# XIII. APPENDIX A – DATA COLLECTION

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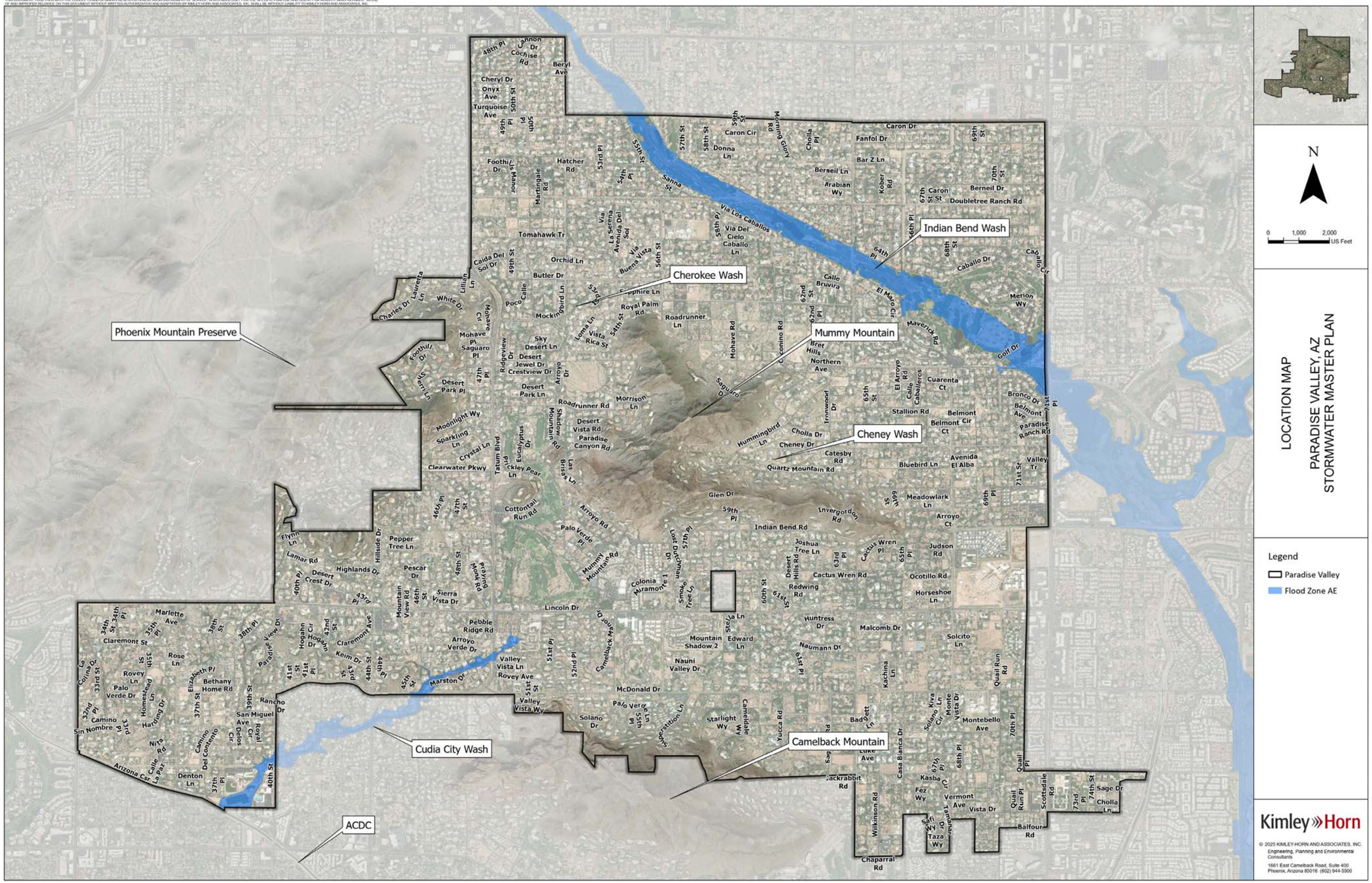

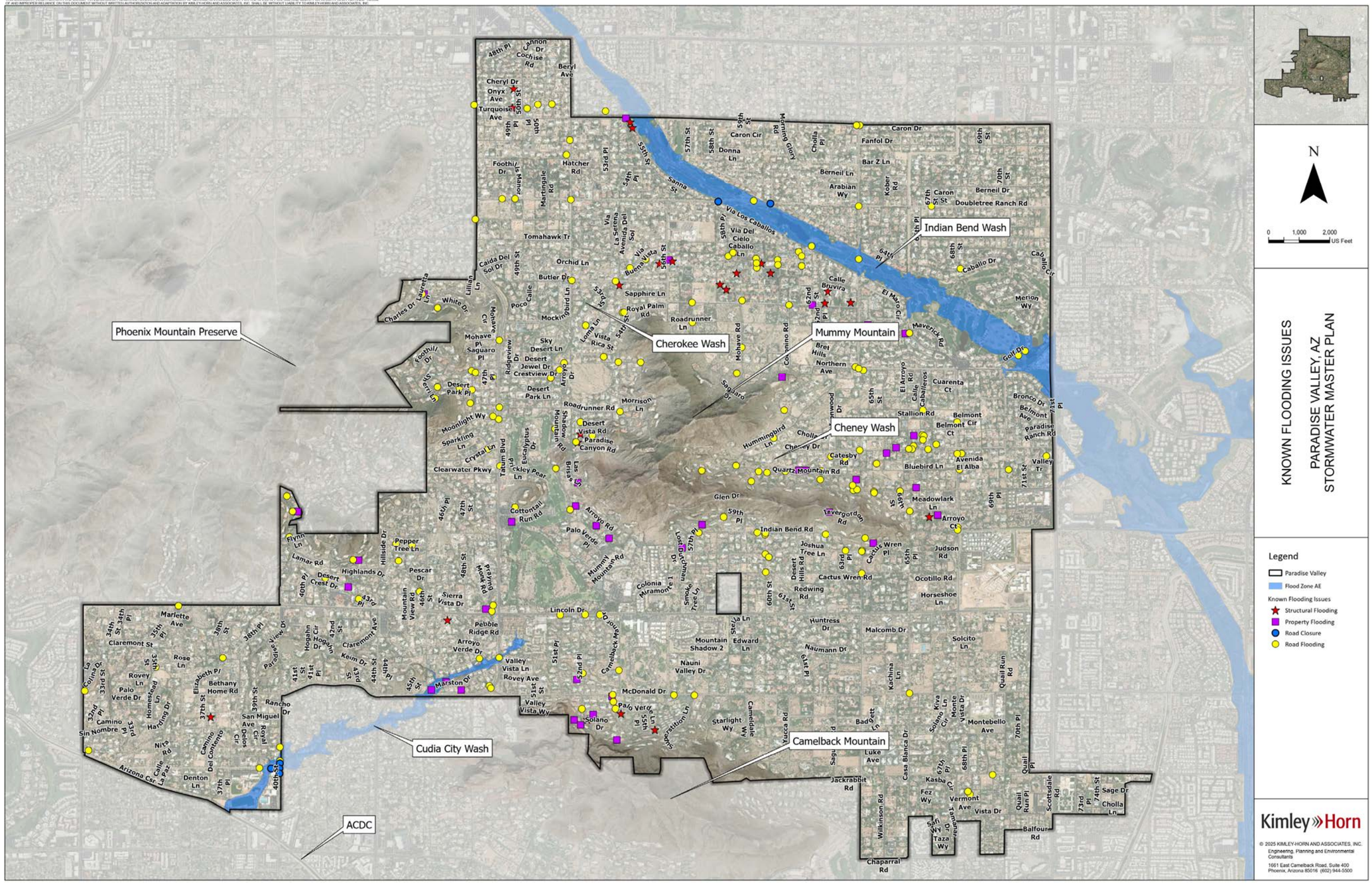
Phoenix Mountain Preserve
Cherokee Wash
Indian Bend Wash
Mummy Mountain
Cheney Wash
Camelback Mountain
Cudia City Wash
ACDC
N
0 1,000 2,000 US Feet
KNOWN FLOODING ISSUES
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Paradise Valley
Flood Zone AE
Known Flooding Issues
Structural Flooding
Property Flooding
Road Closure
Road Flooding
Kimley»Horn
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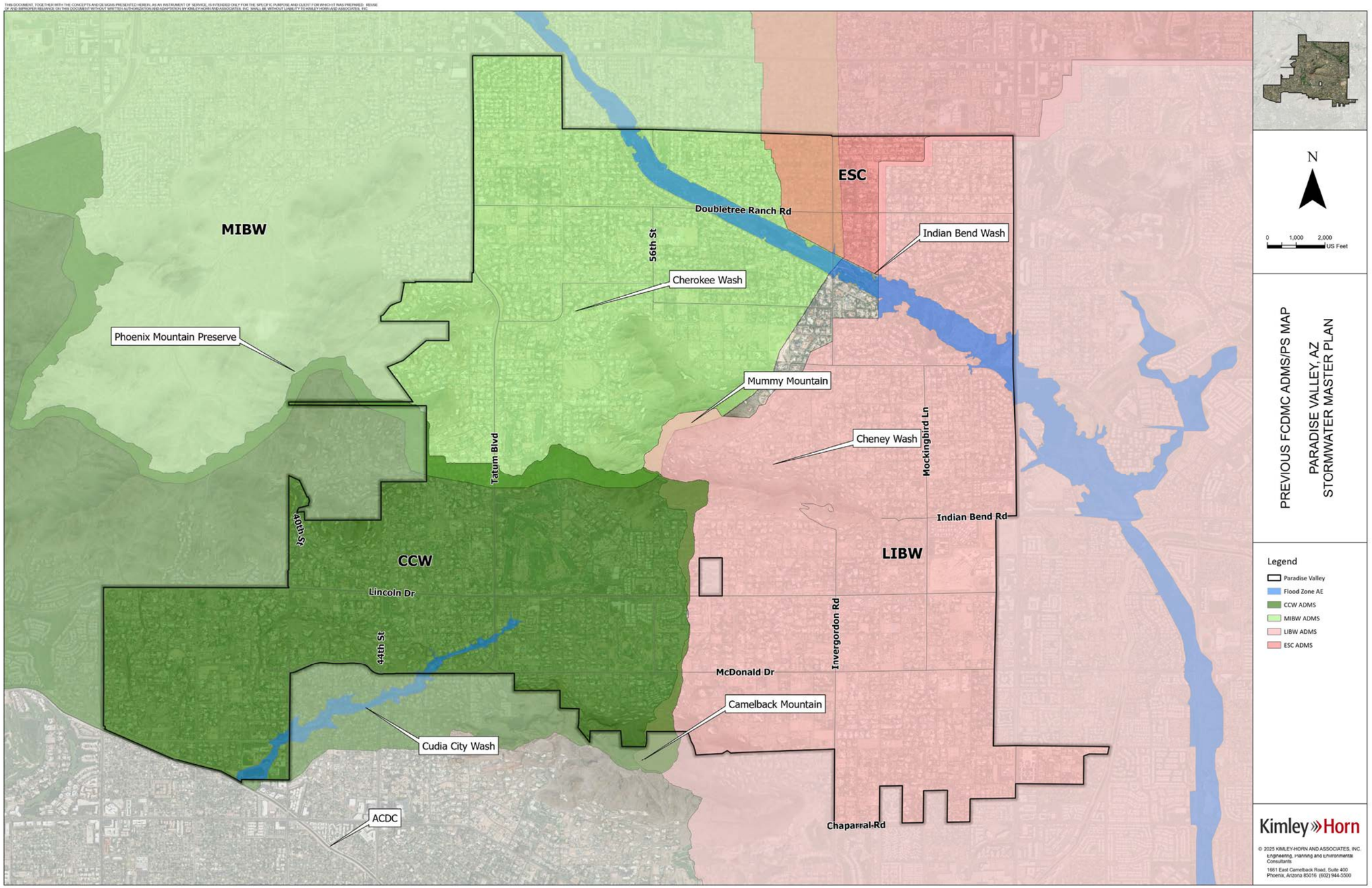
MIBW
ESC
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LIBW
Doubletree Ranch Rd
56th St
Indian Bend Wash
Cherokee Wash
Phoenix Mountain Preserve
Mummy Mountain
Cheney Wash
Tatum Blvd
Mockingbird Ln
Indian Bend Rd
40th St
Lincoln Dr
44th St
Invergordon Rd
McDonald Dr
Camelback Mountain
Cudia City Wash
ACDC
Chaparral Rd
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PREVIOUS FCDMC ADMS/PS MAP
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Paradise Valley
Flood Zone AE
CCW ADMS
MIBW ADMS
LIBW ADMS
ESC ADMS
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**Flooding Issue Tracker**

| ID | Flooding Issue | Source | Origin | Location | Notes from Source |
|---|---|---|---|---|---|
| 1 | Structural Flooding | Civics Plus - Resident Request | Resident | 3711 E. Rancho Dr | Erosion to their landscaping and flooding into driveway and garage |
| 2 | Structural Flooding | Hillside Meeting | Resident | 6641 E Meadow Lark Lane | Flooding in front yard and in-house flooding |
| 3 | Structural Flooding | Cheney Watershed Analysis Report | Resident | 6641 E Meadowlark Ln | No additional data included |
| 4 | Road Flooding | Hillside Meeting | Resident | 5302 N 68th Place | Flooding at N/W Corner of 68th Place and Vermont |
| 5 | Road Flooding | Hillside Meeting | Resident | 69th Place and Jackrabbit (N/E corner) | Flooding at 69th Place and Jackrabbit (N/E) |
| 6 | Road Flooding | Hillside Meeting | Town Staff | 67th and Doubletree Ranch | 67th and Doubletree Ranch - Severe roadway flooding |
| 7 | Road Flooding | Hillside Meeting | Resident | Quartz Mountain Road from La Place Du Sommet to 64th Place | Site conditions for the areas in La Place restrict retention upgrades, offsite flows lead to flood risks on the lower sections of Quartz Mountain Rd |
| 8 | Road Flooding | Hillside Meeting | Resident | Hummingbird Lane from 58th Place to 64th place | Offsite flows coming from Quartz Mountain leads to flooding |
| 9 | Road Flooding | Hillside Meeting | Resident | 7011 N Invergordon Road | Flood Risk to Invergordon Rd. and Joshua Tree Ln. |
| 10 | Road Flooding | Road Closure by Town Staff | Town Staff | the Intersection of 40th St and Stanford Dr | Culvert under bridge likely the source of flooding, also noted as 8A in ADMP Cudia City Wash (ongoing) |
| 11 | Road Flooding | Road Closure by Town Staff | Town Staff | Doubletree Ranch Rd closed from Via Los Caballos to 60th Street | Located in the Indian Bend Wash Area |
| 12 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Stanford Dr and 40th Street | Cudia Wash Crossing on 40th Street. Debris gets stuck in barricade poles |
| 13 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Golf Drive at Indian Bend Wash Crossing | Road Inundation/Debris |
| 14 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Invergordon Rd at Indian Bend Wash Crossing | Road Inundation/Debris |
| 15 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Morning Glory & E Caballo Drive | Road Inundation/Debris |
| 16 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | N Lauretta Lane and E Charles Drive | Road Inundation/Debris |
| 17 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | E Quartz Mountain Rd | Road Inundation/Debris |
| 18 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | N Mohave Road | Road Inundation/Debris |
| 19 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Foothills Dr and 47th St | Road Inundation/Debris. Also noted as #7 in ADMP Middle Indian Bend Wash (Ongoing) and Cherokee Wash |
| 20 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | E Desert Park Place from 47th St to N Sherri Lane | Road Inundation/Debris |
| 21 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | 54th Street and Desert Jewel | Road Inundation/Debris |
| 22 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Invergordon Rd and Joshua Tree Lane | Road Inundation/Debris |
| 23 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | 60th Street and Indian Bend Road | Road Inundation/Debris |

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| 24 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | 6533 N Praying Monk Road | Road Inundation/Debris |
| 25 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Hummingbird Lane and N 66th St | Road Inundation/Debris |
| 26 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | E Crestview Dr | Road Inundation/Debris. Also noted as 4B in ADMP Middle Indian Bend Wash (Ongoing) and Cherokee Wash |
| 27 | Road Flooding | Public Works Storm Cleanup Priority List | Town Staff | Doubletree Ranch Rd and 52nd Street | Road Inundation/Debris |
| 28 | Road Flooding | Civics Plus - Resident Request | Resident | 6354 E Hummingbird Lane | Edge of street washed out by erosion |
| 29 | Road Flooding | Civics Plus - Resident Request | Resident | 5024 E Turquoise Ave | 8/4/2022 (same place on another date) requested street cleaner |
| 30 | Road Flooding | Civics Plus - Resident Request | Resident | 5300 Mountain View | Requested street cleaner |
| 31 | Road Flooding | Civics Plus - Resident Request | Resident | 5024 E Turquoise Ave | 9/6/2022 (same place on another date)requested street cleaner |
| 32 | Road Flooding | Civics Plus - Resident Request | Resident | 6534 N 46th St | Requested street cleaner |
| 33 | Road Flooding | Civics Plus - Resident Request | Resident | 3201 San Miguel Pl | Requested street cleaner |
| 34 | Road Flooding | Civics Plus - Resident Request | Resident | 3511 East Rose Lane | Noted water ponding on road in front of house |
| 35 | Road Flooding | Civics Plus - Resident Request | Resident | 3201 E San Miguel | Requested street cleaner |
| 36 | Road Flooding | Civics Plus - Resident Request | Resident | Hummingbird Lane and Quartz Mountain (near the entrance of Le Summit) | Storm drain clogged. Stormwater Runoff from Mummy mountain to the east collects at the intersection. Runoff has eroded the road embankment on the downstream side of Hummingbird Ln. Road Damage has occured along the the shoulder and will continue to cut into the road section. The roadway embankment consists of unprotected native material. |
| 37 | Road Flooding | Civics Plus - Resident Request | Resident | 8100 N Tatum Blvd | Blocked storm drain grate |
| 38 | Road Flooding | Civics Plus - Resident Request | Resident | 6217 E. Quartz Mountain Rd | Storm Drain in front of house is clogged |
| 39 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Quartz Mountain Road from Hummingbird to Hummingbird | Additional information not included |
| 40 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Hummingbird from Quartz Mountain Rd to Quartz Mountain Rd | Additional information not included |
| 41 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 64th Place and Hummingbird | Additional information not included |
| 42 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Catesby Rd off of Cheney Dr | Additional information not included |
| 43 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 66th St off of Cheney Dr. | Additional information not included |
| 44 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Mohave off of Mockingbird | Additional information not included |
| 45 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Coconino off of Mockingbird | Additional information not included |
| 46 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Mummy Mountain Rd off of Mockingbird | Additional information not included |
| 47 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Mummy Mountain Rd and Roadrunner | Additional information not included |
| 48 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Royal Palm and 54th St | Additional information not included |
| 49 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 54th St from Royal Palm to Mockingbird | Additional information not included |

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| 50 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 61st St and Caballo | Additional information not included |
| 51 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 59th Place and Caballo | Additional information not included |
| 52 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Charles & Lauretta | Additional information not included |
| 53 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 54th St and Desert Jewel. | Additional information not included |
| 54 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 54th St and Roadrunner Rd. | Additional information not included |
| 55 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 55th St and Desert Jewel. | Additional information not included |
| 56 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Desert Fairways and Shadow Mountain Rd. | Additional information not included |
| 57 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Desert Fairways and Arroyo Rd. | Additional information not included |
| 58 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Desert Fairways from Lincoln Dr to Tatum Blvd. | Additional information not included |
| 59 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Roadrunner Rd from 54th St to Tatum Blvd. | Additional information not included |
| 60 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 7837 N 47th St. | Additional information not included |
| 61 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 7701 N Moonlight Ln. | Additional information not included |
| 62 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Desert Park Pl from 47th St to Sherri Ln. | Additional information not included |
| 63 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 6533 N Praying Monk | Additional information not included |
| 64 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Invergordon and Cactus Wren | Additional information not included |
| 65 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Invergordon and Joshua Tree Ln. | Additional information not included |
| 66 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Joshua Tree Ln and N 63rd Pl. | Additional information not included |
| 67 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Cactus Wren from Invergordon to 60th St. | Additional information not included |
| 68 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 60th St and Indian Bend Rd. | Additional information not included |
| 69 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Joshua Tree Ln and 60th St. | Additional information not included |
| 70 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Indian Bend Rd from 60th St to Dead End. | Additional information not included |
| 71 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 59th Pl and Indian Bend | Additional information not included |
| 72 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 57th Pl and Indian Bend. | Additional information not included |
| 73 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | McDonald Dr from Scottsdale Rd to Tatum Blvd. | Additional information not included |
| 74 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 54th St. from McDonald Dr. to San Miguel Ave. | Additional information not included |
| 75 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | San Miguel Ave. from 54th St to Solano Dr. | Additional information not included |
| 76 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Solano Dr from San Miguel Ave to 54th St. | Additional information not included |
| 77 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | Camelback Manor Drive from Lincoln to McDonald | Additional information not included |
| 78 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 52nd Place from McDonald to Lincoln | Additional information not included |
| 79 | Road Flooding | Staff Documented Storm Cleanup Locations | Town Staff | 51st Place from McDonald to Lincoln | Additional information not included |

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| 80 | Road Flooding | Work Order Listing By Street Report | Town Staff | Mcdonald Dr from Nauni Valley to the roundabout by Tatum Blvd | Storm clean up required |
| 81 | Road Flooding | Work Order Listing By Street Report | Town Staff | Invergordon Rd and Mountain View Rd | Cleaned out storm drain trash rack |
| 82 | Road Flooding | Work Order Listing By Street Report | Town Staff | 7629 Foothill Dr | Filled and compacted erosion |
| 83 | Road Flooding | Work Order Listing By Street Report | Town Staff | Tatum and Mcdonald Rd | Filled in erosion by guard rail |
| 84 | Road Flooding | Work Order Listing By Street Report | Town Staff | White Dr | Erosion repair |
| 85 | Road Flooding | Work Order Listing By Street Report | Town Staff | 5913 N La Colina Dr | Storm clean up, erosion repair |
| 86 | Road Flooding | Work Order Listing By Street Report | Town Staff | 6015 E Joshua Tree | Storm clean up |
| 87 | Road Flooding | Work Order Listing By Street Report | Town Staff | 4050 E Desert Crest Dr | Storm clean up |
| 88 | Road Flooding | Work Order Listing By Street Report | Town Staff | Caballos and 68th St | Cleared debris from wash |
| 89 | Road Flooding | Work Order Listing By Street Report | Town Staff | On Mcdonald Rd, east of Casa Blanca | Concrete spill cleaned up |
| 90 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | E. Quartz Mountain Rd South of Cheney Wash | Road receives shallow flows with high velocity that cause erosion and sediment transport/deposits. Repetitive roadway Maintenance issues and public safety complaints. |
| 91 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 7555 N. Hummingbird Ln | Existing low water crossing east of Mummy Mountain that has repetitive maintenance issues and public complaints. Stormwater runoff crosses ove Hummingbird Ln. from south to north and deposits sediment in the roadway. |
| 92 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 5959 E. Hummingbird Ln | Existing low water crossing east of mummy mountain where high velocity flows cross Hummingbird Ln. Road damage has occurred due to the under cutting of the roadway embankment which has caused a dip east of the driveway of 5959 E. Hummingbird Ln. demonstrated in the field observations. The roadway embankment consists of unprotected native material. |
| 93 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 6324 E. Quartz Mountain Rd | Overland sheet flow from the southwest and roadway drainage along Quartz Mountain Rd. combine at this location and are routed to the northwest adjacent to 6324 E. Quartz Mountain Rd by a drainage swale. After a storm event, sediment deposits have to be removed from Quartz Mountain Rd. This is a repetitive maintenance location. |
| 94 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 58th Pl. South of Caballo Ln. | Existing low water crossing near the confluence with Indian Bend Wash that has repretitive maintenance issues. |

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| 95 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 59th Pl. South of Caballo Ln. | Existing low water crossing near the confluence with Indian Bend Wash that has repretitive maintenance issues. |
| 96 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | Caballo Ln east of Morning Glory Rd | Existing low water crossing near the confluence with Indian Bend Wash that has repretitive maintenance issues. |
| 97 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | E Desert Jewel Dr and N Arroyo Dr | Low water crossing along Cherokee Wash. Repetitive maintenance issues. |
| 98 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | N Arroyo Dr | Low water crossing along Cherokee Wash. Repetitive maintenance issues. |
| 99 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | N 57th Pl and E Glen Dr | High velocity flows that cause erosion, and sediment deposition. Runoff flows south through private property and public roads |
| 100 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 9438 N. 52nd St | Low point on the west side of the road that collects nuisance flows |
| 101 | Road Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 3800 E. Berridge Ln. west of N. 38th Pl. | Berridge Ln road is super elevated along the horizontal roadway curve where the eastbound lane is higher than the westbound lane, trapping water from draining into the adjacent wash to the southwest, and causing nuisance ponding and roadway maintenance issues. |
| 102 | Road Flooding | Cudia City Wash ADMS | Town Staff | Solano Dr. | Low water crossing causes routine debris and obstructions |
| 103 | Road Flooding | Cheney Watershed Analysis Report | Resident | E Mcdonald Dr & N 56th St | Sediment left on road after storm |
| 104 | Road Flooding | Cheney Watershed Analysis Report | Resident | E Lincoln Dr & N 51st Pl | Sediment left on road after storm |
| 105 | Road Flooding | Cheney Watershed Analysis Report | Resident | E Stanford Dr & Cudia City Wash | Sediment left on road after storm |
| 106 | Road Flooding | Cheney Watershed Analysis Report | Resident | Invergordon and Cheney Rd | Additional information not included |
| 107 | Road Flooding | Cheney Watershed Analysis Report | Resident | N 66th St and E Cholla Dr | Additional information not included |
| 108 | Road Flooding | Cheney Watershed Analysis Report | Resident | N 66th St & E Meadowlark Ln | Additional information not included |
| 109 | Road Flooding | Cheney Watershed Analysis Report | Resident | N 68th St & E Bluebird Ln | Additional information not included |
| 110 | Road Flooding | Cheney Watershed Analysis Report | Resident | N 68th St & E Cheney Dr | Additional information not included |
| 111 | Road Flooding | Cheney Watershed Analysis Report | Resident | N 70th St and E Ave ElAlba | Additional information not included |
| 112 | Road Flooding | Cheney Watershed Analysis Report | Resident | N 71st Pl & E Valley Trail | Additional information not included |
| 113 | Road Flooding | Cheney Watershed Analysis Report | Resident | E Maverick Rd & N 68th St | Additional information not included |
| 114 | Property Flooding | Hillside Meeting | Resident | 6659 E Meadow Lark Lane | Flooding in front yard |
| 115 | Property Flooding | Hillside Meeting | Resident | 7401 N Las Brisas to 7404 N Las Brisas | Flooding Risk from 7401 N Las Brisas |
| 116 | Property Flooding | Hillside Meeting | Resident | 6006 and 6001E Foothill Dr. | Flood risk to 6006 and 6001E Foothill Dr |

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| 117 | Property Flooding | Hillside Meeting | Resident | 6418 E Joshua Tree Lane | Flooding risk from 7011 N Invergordon and flows west down Joshua Tree onto Invergordon |
| 118 | Property Flooding | Hillside Meeting | Resident | 7045 N Invergordon Road | Flood risk to Joshua Tree Lane and any homes south on Invergordon |
| 119 | Property Flooding | Public Works Storm Cleanup Priority List | Town Staff | 54th Street from Mcdonald Drive to San Miguel / San Miguel Ave from 54th St to Solano Drive / Solano Dr from San Miguel to 54th St | Road Inundation/Debris |
| 120 | Property Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | 7002 N 57th Pl | High velocity flows that cause erosion, and sediment deoposition. Runoff Flows South Through Private Property and public roads |
| 121 | Property Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | N 56th St and E Caballo Dr | Existing box culvert crossing at 56th st and cherokee wash and a catch basin inlet at 56th St and Caballo Dr. The roadway drainage along 56th St has overtopped the vertical curb and damaged the adjacent properties. |
| 122 | Property Flooding | Drainage Improvement Areas - Technical Memo | Town Staff | Mockingbird Ln and 62nd St | Offsite runoff cascades through properties before reaching the Indian Bend Wash to the north east |
| 123 | Property Flooding | Cudia City Wash ADMS | Resident | 4741 E Marston Dr | Offsite Flows from the channel impact these homes |
| 124 | Property Flooding | Cudia City Wash ADMS | Resident | 4700 E Marston Dr | Offsite Flows from the channel impact these homes |
| 125 | Property Flooding | Cudia City Wash ADMS | Resident | 4730 E Marston Dr | Offsite Flows from the channel impact these homes |
| 126 | Property Flooding | Cudia City Wash ADMS | Resident | 5501 E San Miguel Ave | Mountain Run-off |
| 127 | Property Flooding | Cudia City Wash ADMS | Resident | 5200 E Solano Dr | Mountain Run-off |
| 128 | Property Flooding | Cudia City Wash ADMS | Resident | 5228 E Solano Dr | Mountain Run-off |
| 129 | Property Flooding | Cudia City Wash ADMS | Resident | 5301 E Palo Verde Dr | Mountain Run-off |
| 130 | Property Flooding | Cudia City Wash ADMS | Resident | 5401 E Palo Verde Dr | Mountain Run-off |
| 131 | Property Flooding | Cudia City Wash ADMS | Resident | E San Miguel Ave | Mountain Run-off |
| 132 | Property Flooding | Cudia City Wash ADMS | Resident | E Solano Dr | Mountain Run-off |
| 133 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6515 E Cheney Dr | Additional information not included |
| 134 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6520 E Cheney Dr | Additional information not included |
| 135 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6602 E Cholla Dr | Additional information not included |
| 136 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6340 E Quartz Mountain Rd | Additional information not included |
| 137 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6612 E Hummingbird Ln | Additional information not included |
| 138 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6112 E Quartz Mountain Rd | Additional information not included |
| 139 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6122 E Quartz Mountain Rd | Additional information not included |
| 140 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6659 E Meadowlark Ln | Additional information not included |
| 141 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6451 E El Maro Cir | Additional information not included |
| 142 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6424 E Maverick Rd | Additional information not included |

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| 143 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6460 E Maverick Rd | Additional information not included |
| 144 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6532 E Maverick Rd | Additional information not included |
| 145 | Property Flooding | Cheney Watershed Analysis Report | Resident | 6001 E Foothill Dr N | Additional information not included |
| 146 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Mountain View Rd and IBW | Flooding in house before trash rack removed |
| 147 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Mountain View Rd and IBW | Flooding in house before trash rack removed |
| 148 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Mountain View Rd and IBW | Maintenance yard frequently has debris on property. Local trash rack is clogged |
| 149 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Turquoise Ave and 52nd St | Flooding in Home |
| 150 | Property Flooding | Middle Indian Bend Wash | Town Staff | Turquoise Ave Cul De Sac | Flooding in Garages in nearby homes |
| 151 | Structural Flooding | Middle Indian Bend Wash | Town Staff | 49th Pl and Turquoise Ave | Flooding in Home |
| 152 | Structural Flooding | Middle Indian Bend Wash | Town Staff | 49th Pl and Cheryl Dr | Flooding in Home |
| 153 | Road Flooding | Middle Indian Bend Wash | Town Staff | Mockingbird Lane and Mummy Mountain Road | Debris in intersection |
| 154 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Cherokee Wash and 55th Pl | Flooding in Home |
| 155 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Cherokee Wash and 56th Street | Flooding in Home |
| 156 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Mockingbird Lane and 54th Street | Flooding in Home |
| 157 | Road Flooding | Middle Indian Bend Wash | Town Staff | Mockingbird Lane and 54th Street | Heavy debris crossing street during storm events |
| 158 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Senderostres M and Mockingbird Lane | Flooding in homes |
| 159 | Road Flooding | Middle Indian Bend Wash | Town Staff | 62nd Street and Inidan Bend Wash | Raised golf cart path creates bowl for flooding |
| 160 | Road Flooding | Middle Indian Bend Wash | Town Staff | Morning Glory Rd and Caballo Dr | Major flooding with debris. Car has been stuck here in the past |
| 161 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Morning Glory Rd and Caballo Dr | Flooding in homes |
| 162 | Structural Flooding | Middle Indian Bend Wash | Town Staff | 59th Pl and Caballo Dr | Flooding in homes |
| 163 | Road Flooding | Middle Indian Bend Wash | Town Staff | 59th Pl and Cherokee Wash | Significant mud and debris during common events |
| 164 | Structural Flooding | Middle Indian Bend Wash | Town Staff | 58th Pl and Caballo Dr | Flooding in homes |
| 165 | Road Flooding | Middle Indian Bend Wash | Town Staff | 58th Pl and Cherokee Wash | Significant mud and debris during common events |
| 166 | Structural Flooding | Middle Indian Bend Wash | Town Staff | 58th Pl and Cherokee Wash | Flooding in homes |
| 167 | Road Flooding | Middle Indian Bend Wash | Town Staff | Doubletree Ranch Rd and Indian Bend Wash | Reported flood depths larger than four feet |
| 168 | Road Flooding | Middle Indian Bend Wash | Town Staff | Wash Crossing Desert Vista Rd | Debris causing flooding |
| 169 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Paradise Canyon Rd and Las Brisas Ln | Flooding in homes |
| 170 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Desert Vista Rd and Las Brisas Ln | Flooding in homes |
| 171 | Road Flooding | Middle Indian Bend Wash | Town Staff | Desert Vista Rd and Las Brisas Ln | Significant mud and debris during common events |
| 172 | Road Flooding | Middle Indian Bend Wash | Town Staff | Invergordon Road and Indian Bend Wash | Roadway overtopping |
| 173 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Canta Redondo and Mockingbird Lane | Flooding in homes |
| 174 | Road Flooding | Middle Indian Bend Wash | Town Staff | Morning Glory Rd and Caballo Dr | Significant mud and debris are common during storm events |
| 175 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Senderostres M and Calle Bruvira | Flooding in homes |

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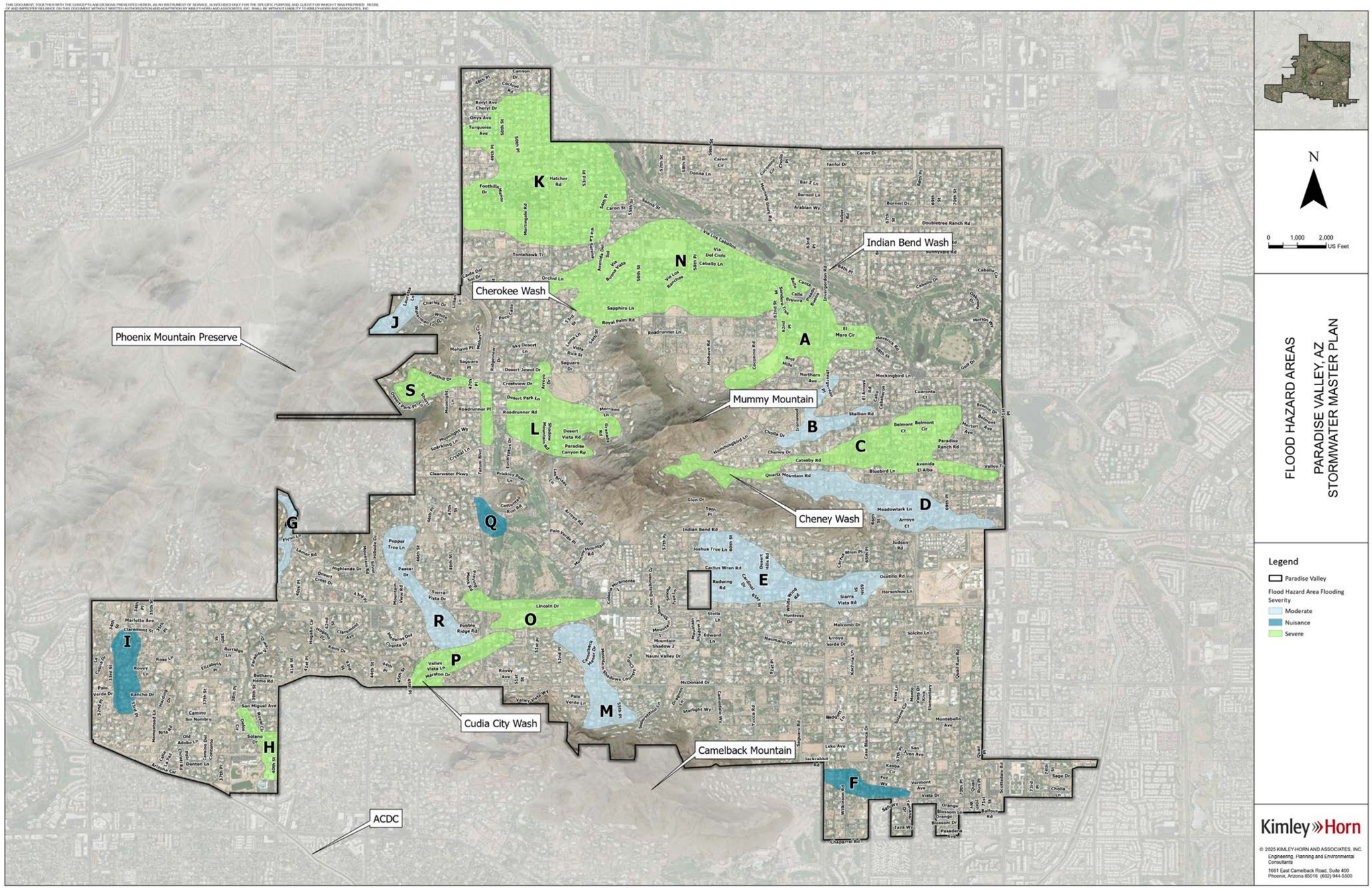
| 176 | Structural Flooding | Middle Indian Bend Wash | Town Staff | Mockingbird Lane and 54th Street | Flooding in homes |
| 177 | Road Flooding | Middle Indian Bend Wash | Town Staff | 53rd Pl and Grovers Ave | Sediment and Debris |
| 178 | Road Flooding | Middle Indian Bend Wash | Town Staff | 56th Street and Via Buena Vista | Sediment and Debris |
| 179 | Road Flooding | Middle Indian Bend Wash | Town Staff | Las Brisas Lane and Paradise Canyon Road | Sediment and Debris |
| 180 | Road Flooding | Middle Indian Bend Wash | Town Staff | Tatum Blvd and Foothill Drive | Sediment and Debris |
| 181 | Road Flooding | Middle Indian Bend Wash | Town Staff | 52nd Street and Berniel Drive | Sediment and Debris |
| 182 | Road Flooding | Middle Indian Bend Wash | Town Staff | 59th Street and Foothill Drive | Sediment and Debris |
| 183 | Road Flooding | Middle Indian Bend Wash | Town Staff | Crystal Ln and Sparkling Ln | Sediment and Debris |
| 184 | Road Flooding | Middle Indian Bend Wash | Town Staff | Via Buena Vista and 55th Pl | Sediment and Debris |
| 185 | Road Flooding | Middle Indian Bend Wash | Town Staff | Caballo Ln and 58th Pl | Sediment and Debris |
| 186 | Road Flooding | Middle Indian Bend Wash | Town Staff | Ave Del Sol and Via Buena Vista | Sediment and Debris |
| 187 | Road Flooding | Middle Indian Bend Wash | Town Staff | Mockingbird Lane and 52nd Pl | Sediment and Debris |
| 188 | Road Flooding | Middle Indian Bend Wash | Town Staff | 59th Pl and Caballo Dr | Sediment and Debris |
| 189 | Road Flooding | Middle Indian Bend Wash | Town Staff | Shadow Mountain Rd and Roadrunner Rd | Sediment and Debris |
| 190 | Road Flooding | Middle Indian Bend Wash | Town Staff | 53rd Street and Loma Ln | Sediment and Debris |
| 191 | Road Flooding | Middle Indian Bend Wash | Town Staff | Sherri Lane and Desert Park Pl | Sediment and Debris |
| 192 | Road Flooding | Middle Indian Bend Wash | Town Staff | Tatum Blvd and Moonlight Way | Sediment and Debris |
| 193 | Road Flooding | Middle Indian Bend Wash | Town Staff | 50th St and Mountain View Rd | Sediment and Debris |
| 194 | Road Flooding | Public Works Storm Cleanup Priority List | Resident | 7039 E Fanfol Dr | Road Inundation/Debris |
| 195 | Road Flooding | Reported by Resident | Resident | 68th and Vermont | Road Inundation/Debris |
| 196 | Road Flooding | Reported by Resident | Resident | 69th and Jackrabbit | Road Inundation/Debris |


Phoenix Mountain Preserve
Cherokee Wash
Indian Bend Wash
Mummy Mountain
Cheney Wash
Cudia City Wash
Camelback Mountain
ACDC
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0 1,000 2,000 US Feet
FLOOD HAZARD AREAS
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Paradise Valley
Flood Hazard Area Flooding Severity
Moderate
Nuisance
Severe
Kimley»Horn
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Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

# XIV. APPENDIX B – EXISTING INFRASTRUCTURE

## EXISTING CULVERT IDENTIFICATION, STORM LEVEL PROTECTION, AND POTENTIAL IMPACTS TO EMERGENCY VEHICLE ACCESS

N
0 500 1,000 US Feet
EXISTING CULVERT SIZE
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 091054031
SCALE: 1"= 850'
DATE: DEC 2024
Legend
Paradise Valley
Culvert Size (in)
Box Culvert
12"-24"
27"-36"
38" - 42"
48"-60"
66" - 72"
120"
100-Year Maximum Flow Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
Kimley»Horn
Engineering, Planning and Environmental Consultants
1001 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
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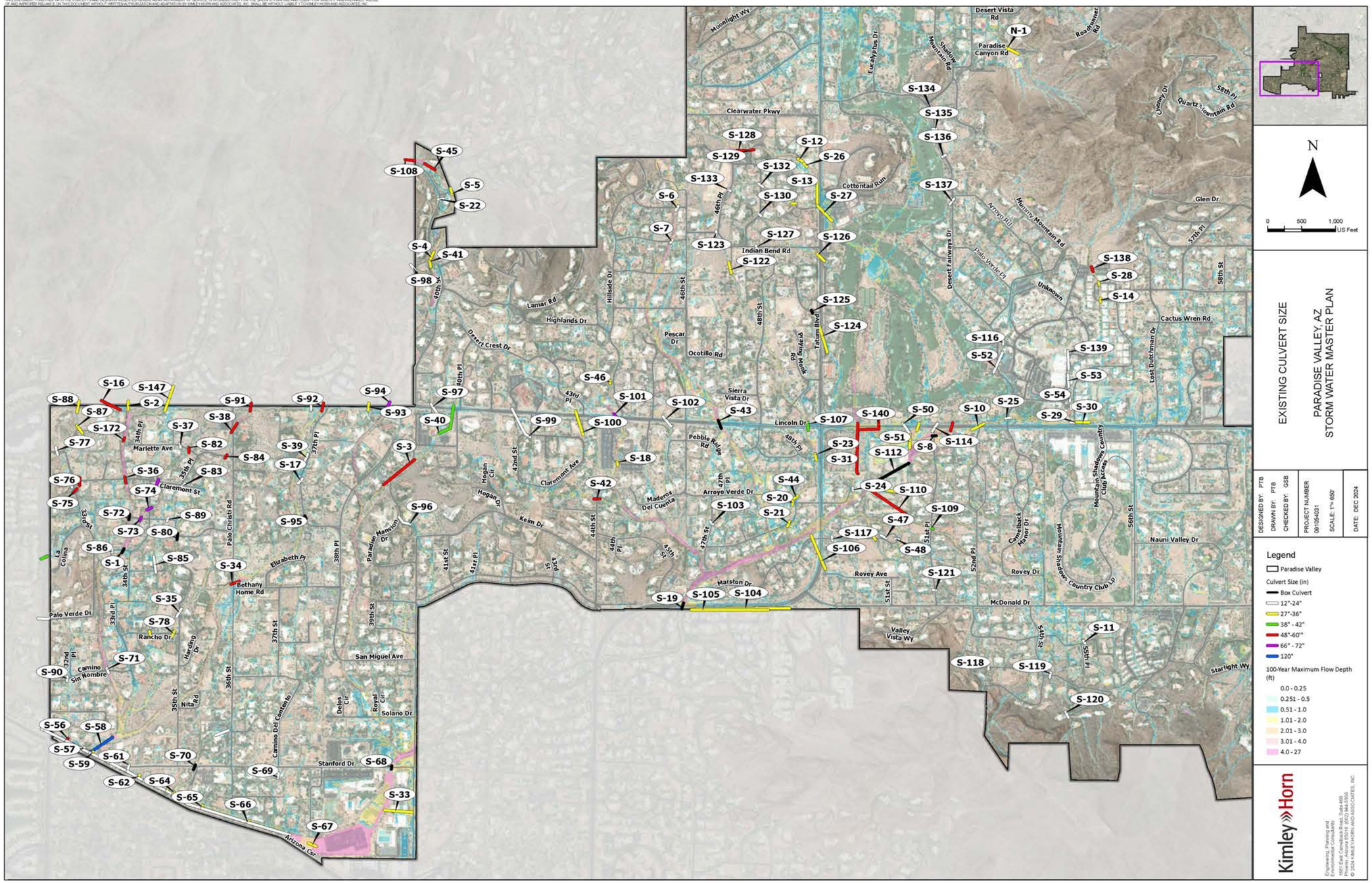
N-21
N-22
N-23
N-26
Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Gold Dust Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
50th Pl
Hatcher Rd
53rd Pl
52nd Pl
52nd St
Martingale Rd
Foothills Manor Dr
54th Pl
Caron St
Sanna St
Doubletree Ranch Rd
57th St
58th St
Caron Cir
Morning Glory Rd
Cholla Pl
Caron Dr
Fanfol Dr
Arabian Wy
Kober Rd
68th Pl
69th St
Berneil Dr
67th St
60th St
Via Los Caballos
Via Del Cielo
63rd Pl
Invergordon Rd
66th Pl
Horseshoe Rd
Sunnyvale Rd
Tomahawk Tr
Via La Sonora
Avenida Del Sol
55th Pl
Via Buena Vista
58th Pl
Via Los Rancheros
59th Pl
61st Pl
64th Pl
Caballo Dr
Caballo Cir
Caide Del Sol Dr
49th St
Butler Dr
56th St
62nd St
Sendero Tres
Canta Bello
Pasado Rueno
Canta Redondo
Elnaro Cir
Golf Dr
Oakmont Dr
Merion Wy
Charles Dr
White Dr
Unknown
53rd St
Royal Palm Rd
Mummy Mountain Rd
59th St
Coconino Rd
Bret Hills
62nd Pl
Mesquite Rd
68th St
Vista Rica St
54th St
Mohave Pl
47th St
Saguaro Pl
Tatum Blvd
Ridgeview Dr
Saguaro Dr
Desert Jewel Dr
Foothill Dr
Arroyo Dr
Crestview Dr
47th Pl
Desert Park Pl
Mohave Rd
Invergordon Pl
El Arroyo Rd
Northern Ave
Cuarenta Ct
65th St
Stallion Rd
Ironwood Dr
Roadrunner Pl
Roadrunner Rd
Desert Vista Rd
Granada Rd
Shadow Mountain Rd
Eucalyptus Dr
Moonlight Wy
Paradise Canyon Rd
Cholla Dr
Cheney Dr
66th St
61st St
Belmont Ct
69th Pl
70th St
71st St
Morten Ave
Bronte Dr
Belmont Ave
Paradise Ranch Rd
71st Pl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EXISTING CULVERT SIZE
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 091054031
SCALE: 1"= 600'
DATE: DEC 2024
Legend
Paradise Valley
Culvert Size (in)
Box Culvert
12"-24"
27"-36"
38" - 42"
48"-60"
66" - 72"
120"
100-Year Maximum Flow Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
Kimley»Horn
Engineering, Planning and Environmental Consultants
2601 East Camelback Rd., Suite 430
Phoenix, Arizona 85016 (602) 944-5050
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
Desert Vista Rd
Paradise Canyon Rd
Roadrunner Rd
Moonlight Wy
Eucalyptus Dr
Shadow Mountain Rd
Clearwater Pkwy
Cottontail Run
Indian Bend Rd
Arroyo Rd
Munity Mountain Rd
Glen Dr
Quartz Mountain Rd
Desert Fairways Dr
Palo Verde Pl
Unknown
Cactus Wren Rd
Lost Dutchman Dr
Lamar Rd
Highlands Dr
Hillside Dr
Pescar Dr
Ocotillo Rd
Desert Crest Dr
Tatum Blvd
Sierra Vista Dr
Lincoln Dr
Pebble Beach Rd
Arroyo Verde Dr
Madeira Del Cuenta
Claremont Ave
Hogan Cir
Hogan Dr
Kelin Dr
Marston Dr
Rovey Ave
Rovey Dr
McDonald Dr
Mountain Shadows Country Club Lp
Mountain Shadows Country Club Access
Cactus Back Manor Dr
Nauni Valley Dr
Valley Vista Wy
Starlight Wy
Marlette Ave
Claremont St
Palo Christi Rd
Elizabeth Pl
Bethany Home Rd
Palo Verde Dr
Rancho Dr
Camino Sin Nombre
San Miguel Ave
Nita Rd
Camino Del Contento
Solano Dr
Stanford Dr
Arizona Cir
Paradise Mansion Dr
Harding Dr
La Colina
Delos Cir
Royal Cir
34th St
34th Pl
35th Pl
33rd Pl
32nd Pl
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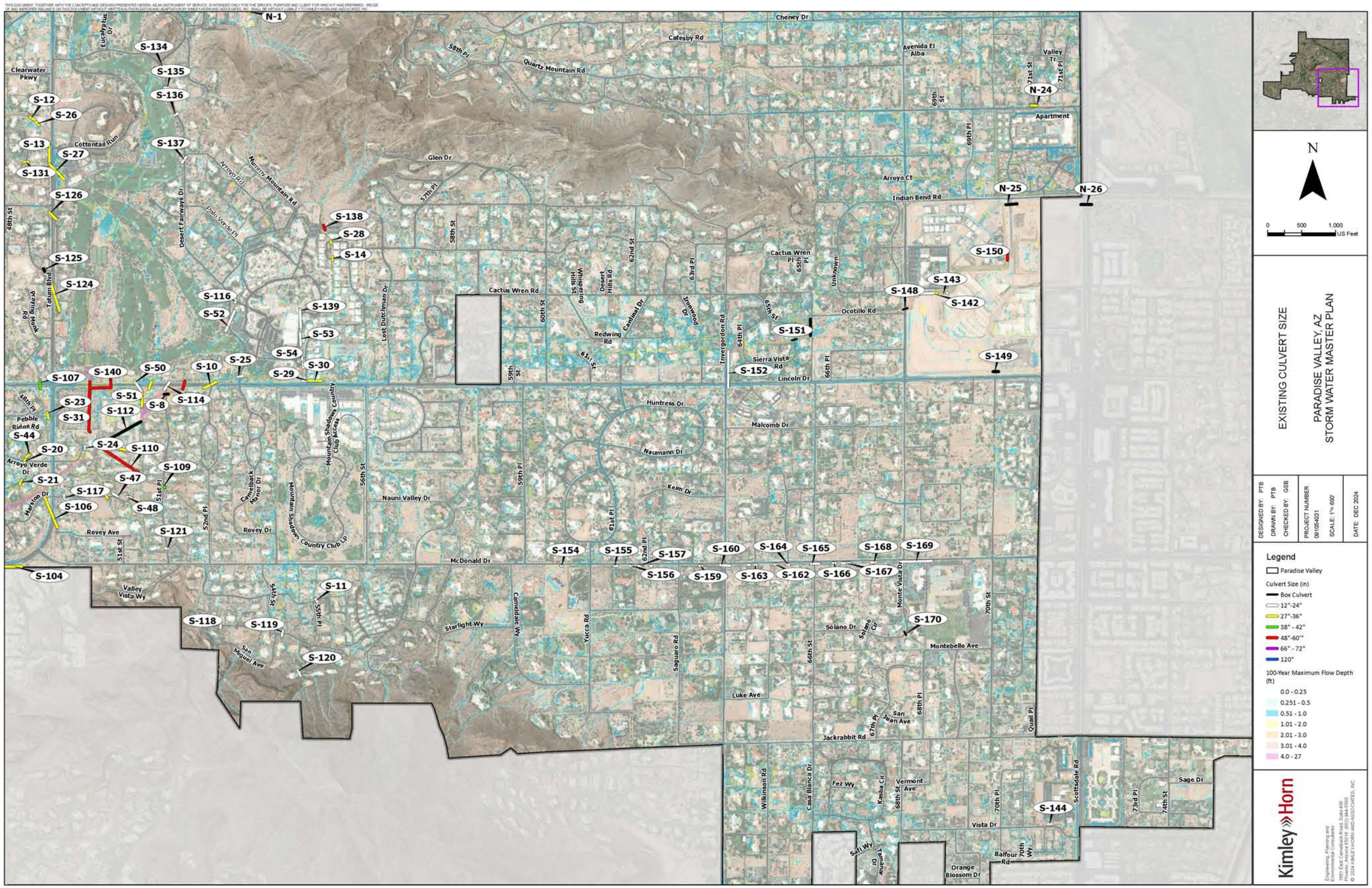
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0 500 1,000 US Feet
EXISTING CULVERT SIZE
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 061054031
SCALE: 1"= 600'
DATE: DEC 2024
Legend
Paradise Valley
Culvert Size (in)
Box Culvert
12"-24"
27"-36"
38" - 42"
48"-60"
66" - 72"
120"
100-Year Maximum Flow Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
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7878 East Camelback Road, Suite 030
Phoenix, Arizona 85251 (602) 944-5500
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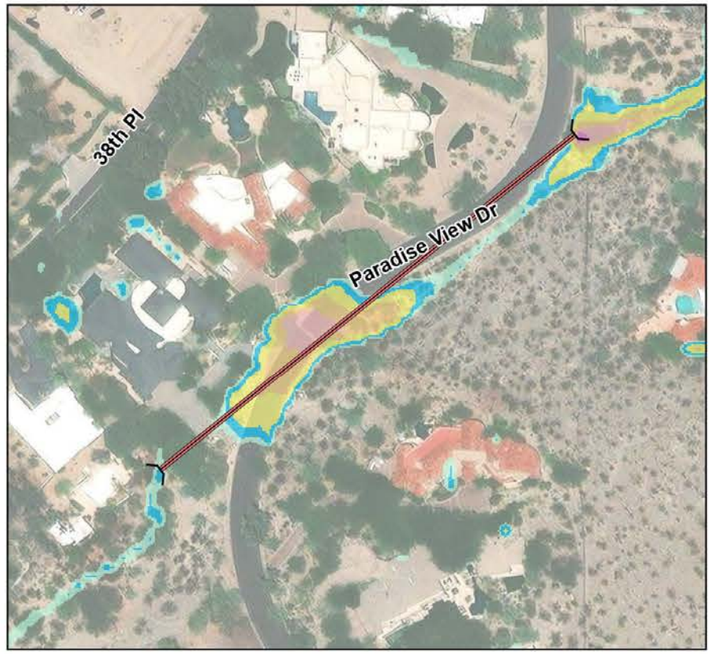
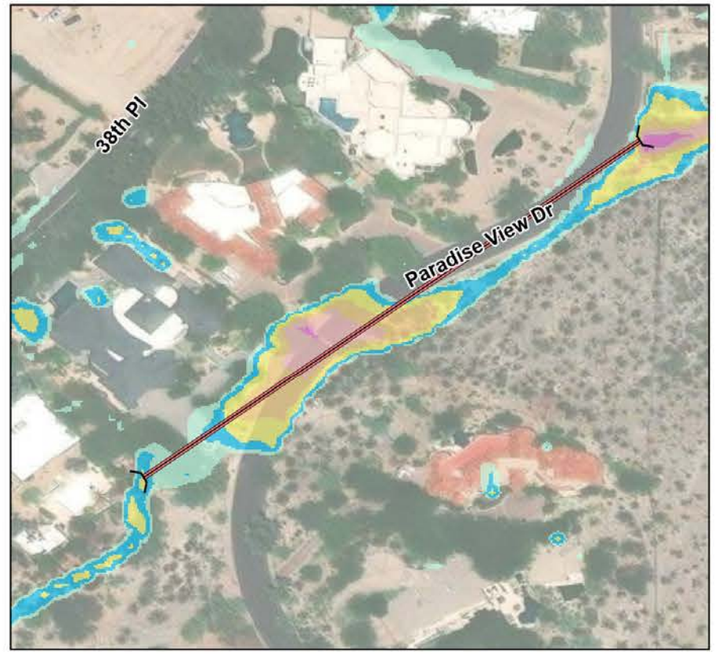
Cheney Dr
Catesby Rd
Quartz Mountain Rd
Avenida El Alba
Valley Tr
Apartment
Glen Dr
Arroyo Ct
Indian Bend Rd
Cactus Wren Rd
Ocotillo Rd
Redwing Rd
Sierra Vista Rd
Lincoln Dr
Huntress Dr
Malcomb Dr
Naumann Dr
Keim Dr
Nauni Valley Dr
McDonald Dr
Rovey Ave
Rovey Dr
Starlight Wy
Solano Dr
Montebello Ave
Luke Ave
Jackrabbit Rd
Vista Dr
Orange Blossom Dr
Balfour Rd
Sage Dr
Clearwater Pkwy
Cottontail Run
Arroyo Rd
Mummy Mountain Rd
Palo Verde Pl
Desert Fairways Dr
Tatum Blvd
Pebble Ridge Rd
Arroyo Verde Dr
Marston Dr
Valley Vista Wy
San Juanal Ave
Camelback Manor Dr
Mountain Shadows Country Club Dr
Mountain Shadows Country Club Area
Lost Dutchman Dr
Cactus Wren Pl
Unknown
Deset Hills Rd
Cantinal Dr
Invergordon Rd
Ironwood Dr
Wilkinson Rd
Casa Blanca Dr
Fez Wy
Vermont Ave
Scottsdale Rd
Quail Pl
Yucca Rd
Saguaro Rd
Camelback Rd
Monte Vista Dr
Salano Cir
Huntsman Dr
Safi Wy

## Possible Emergency Vehicle Access Restriction Areas: S-3

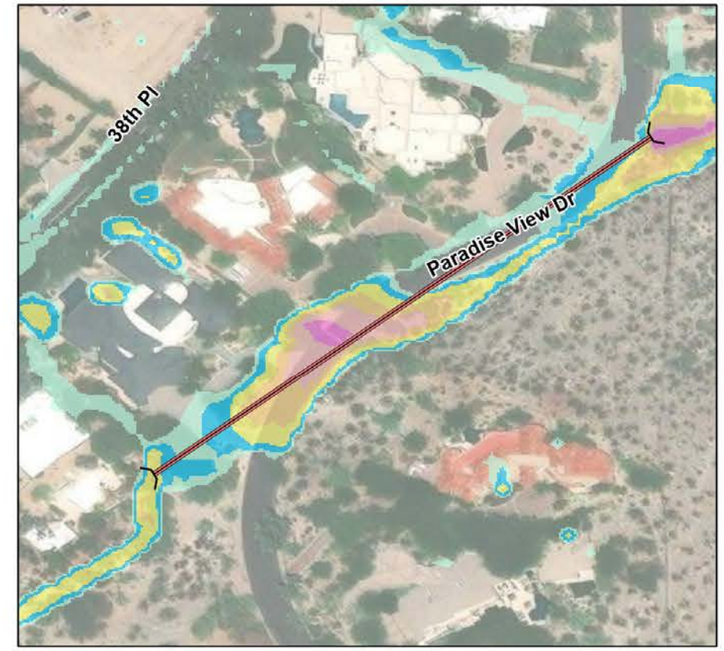
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 4.3 ft

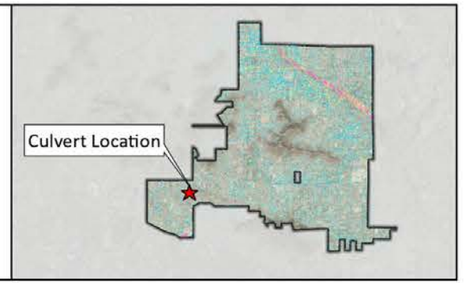
N

0 75 150 300 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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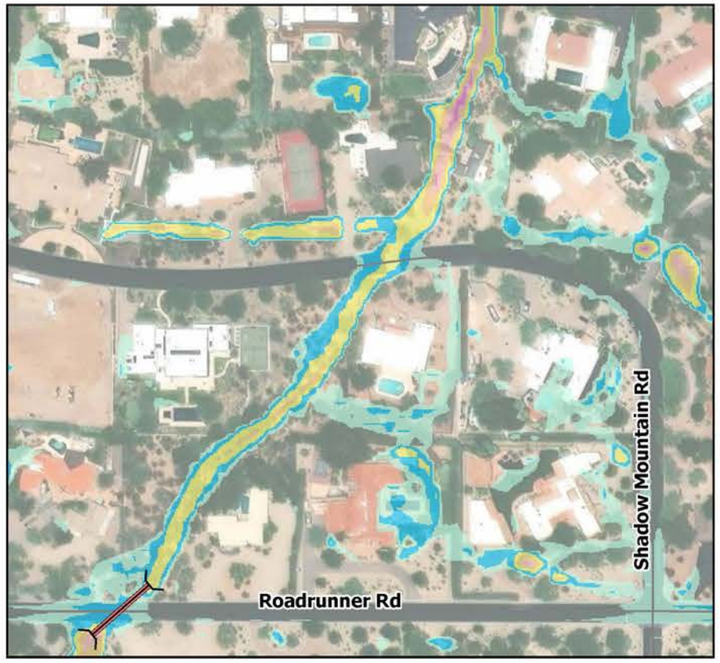
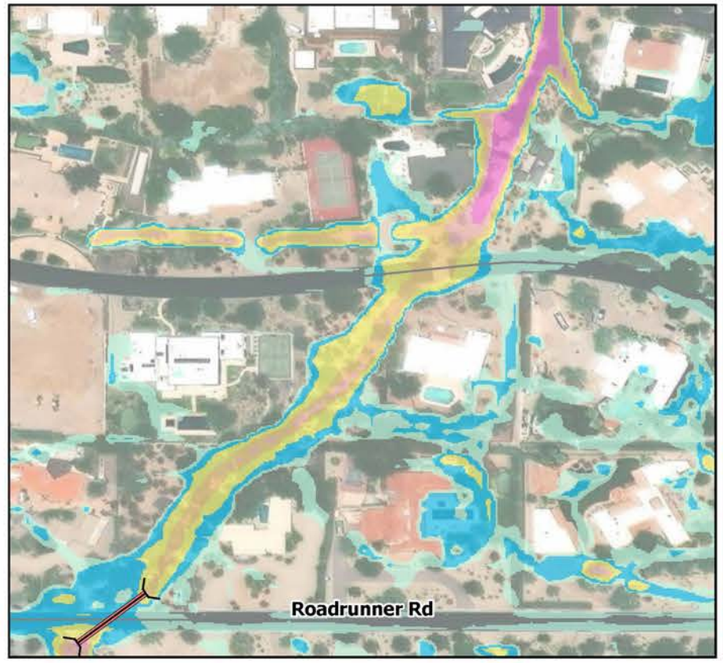
## Possible Emergency Vehicle Access Restriction Areas: Shadow Mountain Rd Low Water Crossing

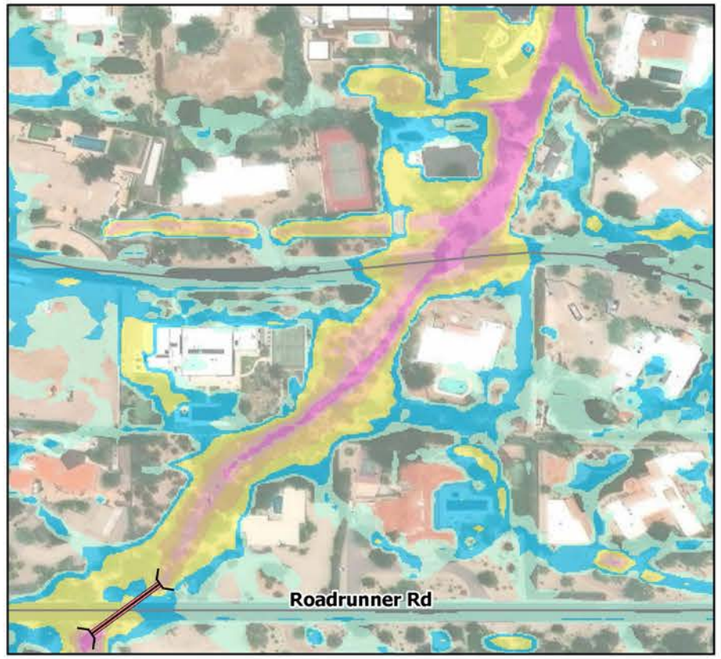
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 5.1 ft

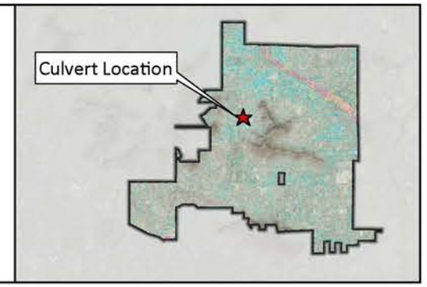
N

0 100 200 400 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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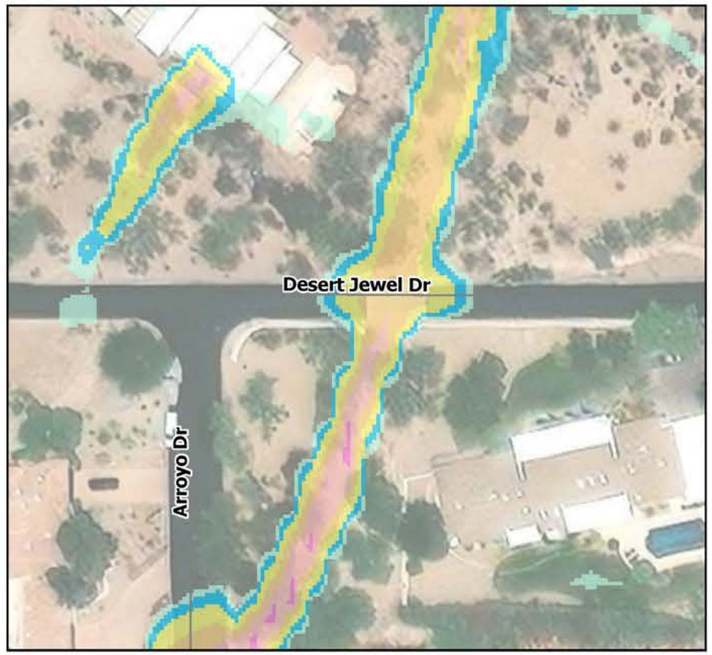
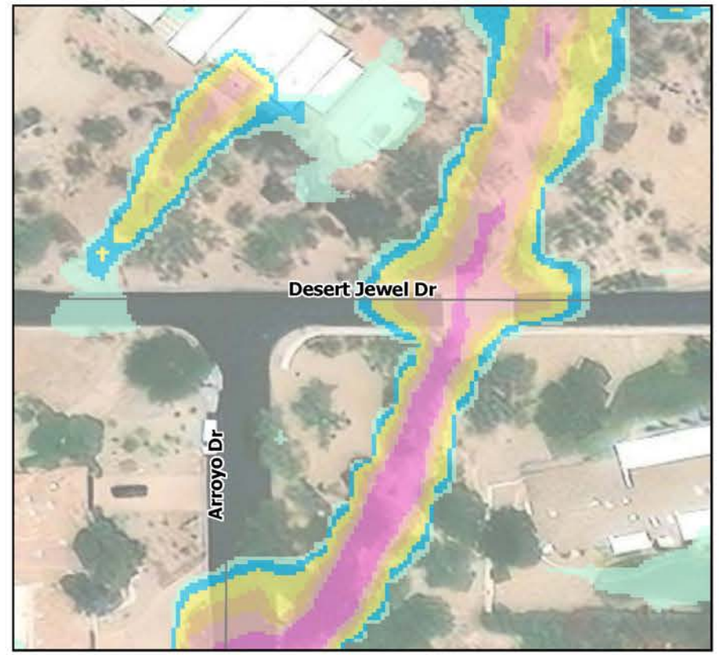
## Possible Emergency Vehicle Access Restriction Areas: Desert Jewel Dr Low Water Crossing

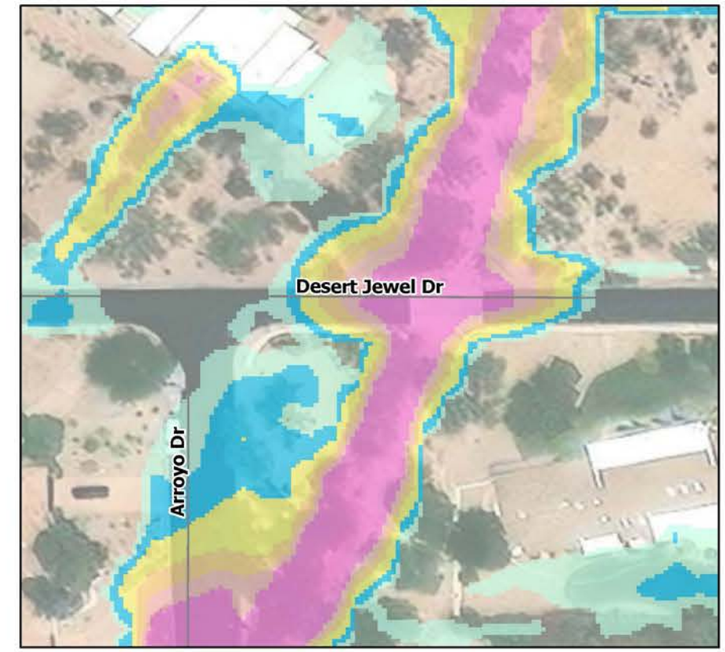
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 6.1 ft

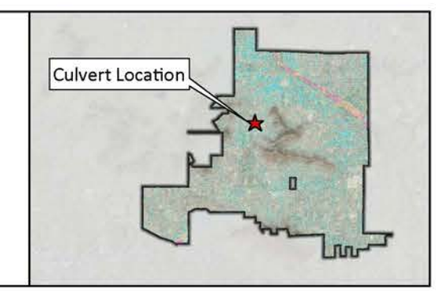
N

0 37.5 75 150 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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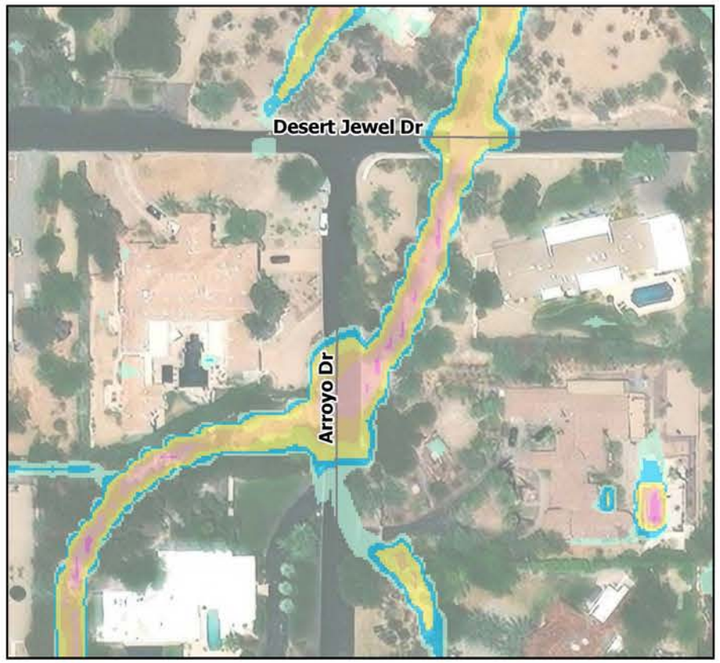
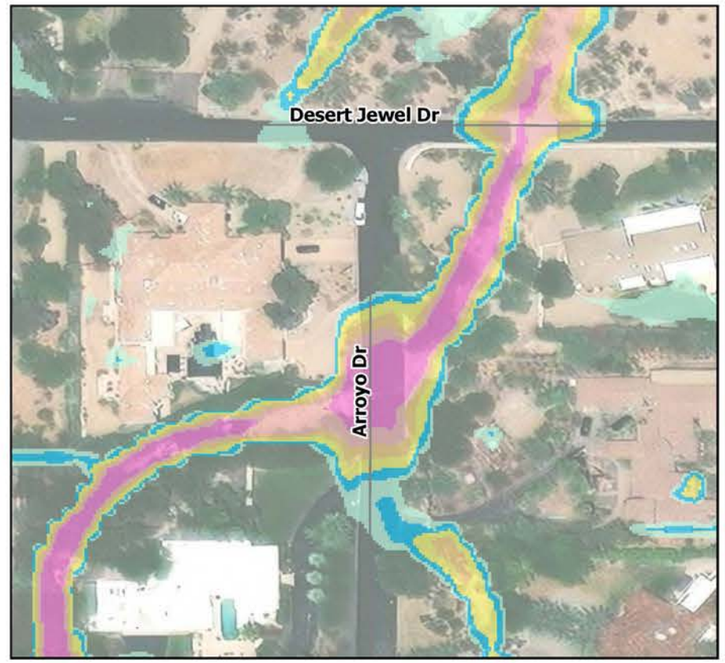
Engineering, Planning and Environmental Consultants

## Possible Emergency Vehicle Access Restriction Areas: Arroyo Dr Low Water Crossing

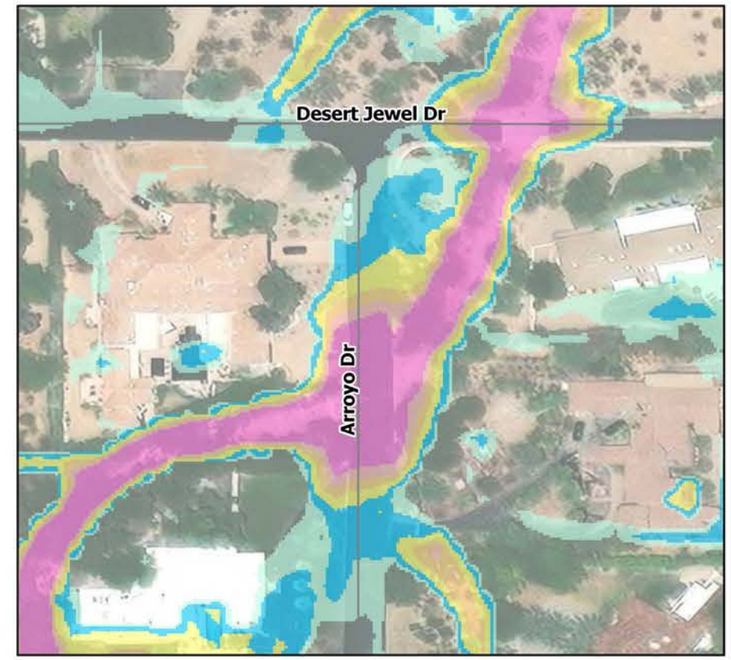
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 8.0 ft

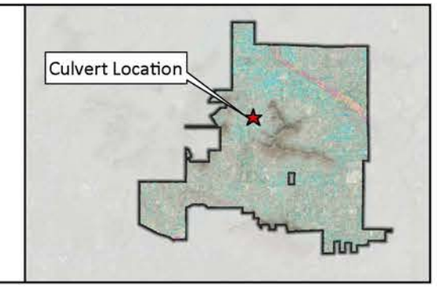
N

0 50 100 200 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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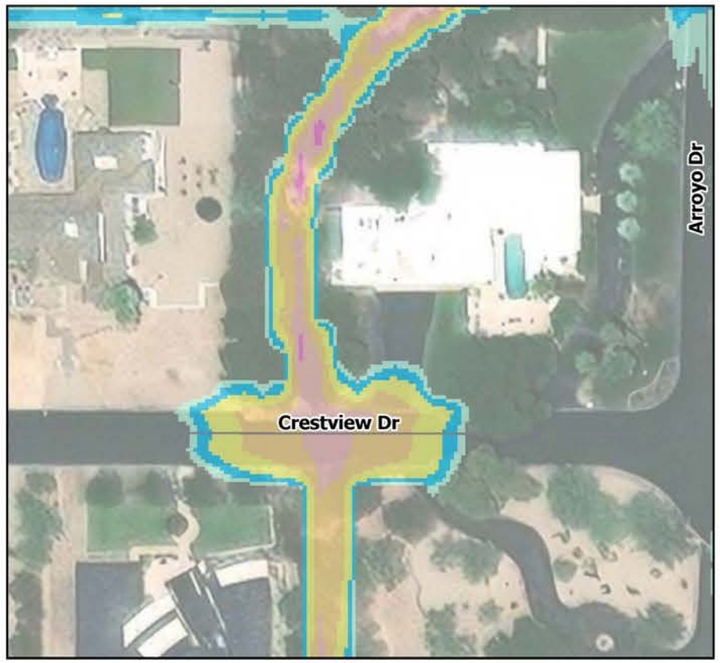
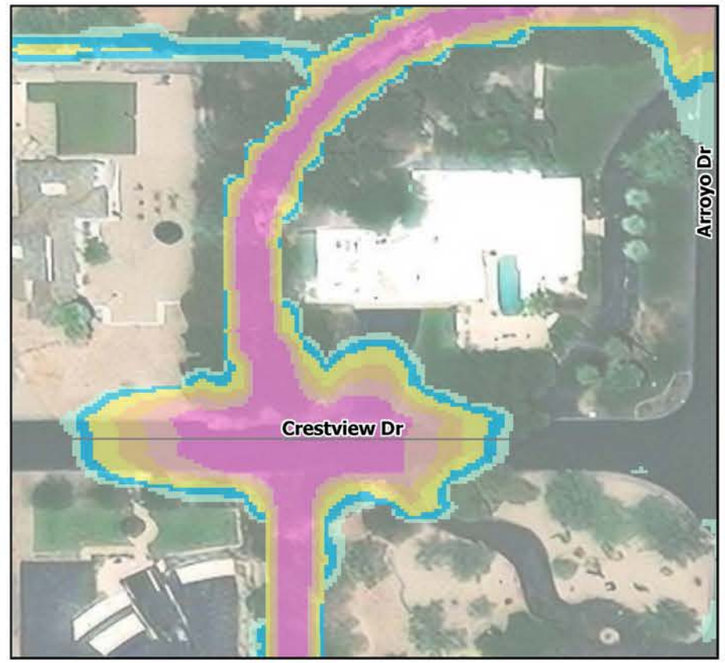
## Possible Emergency Vehicle Access Restriction Areas: Crestview Dr Low Water Crossing

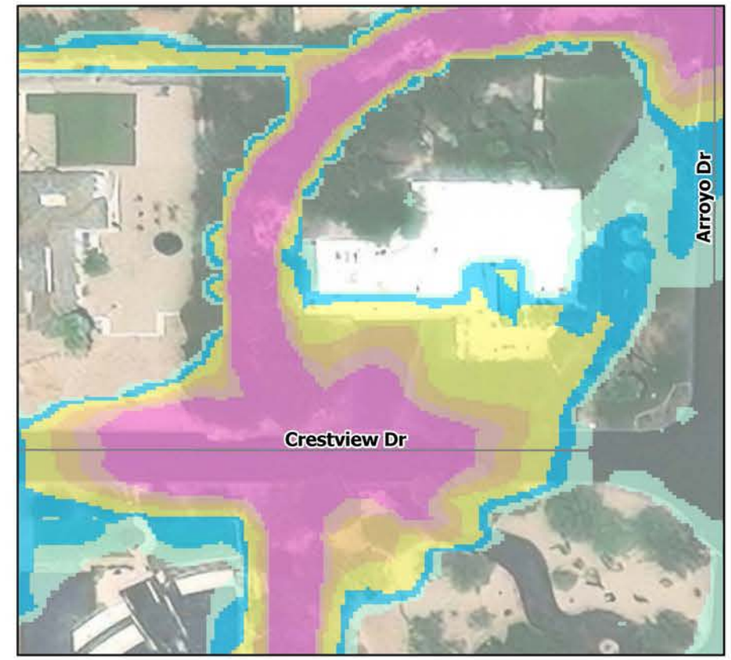
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 8.4 ft

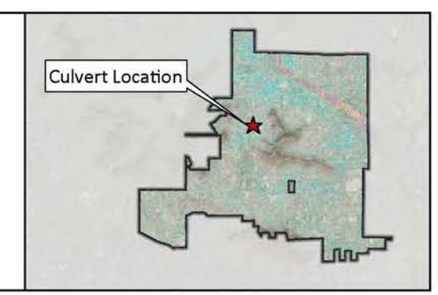
N

0 37.5 75 150 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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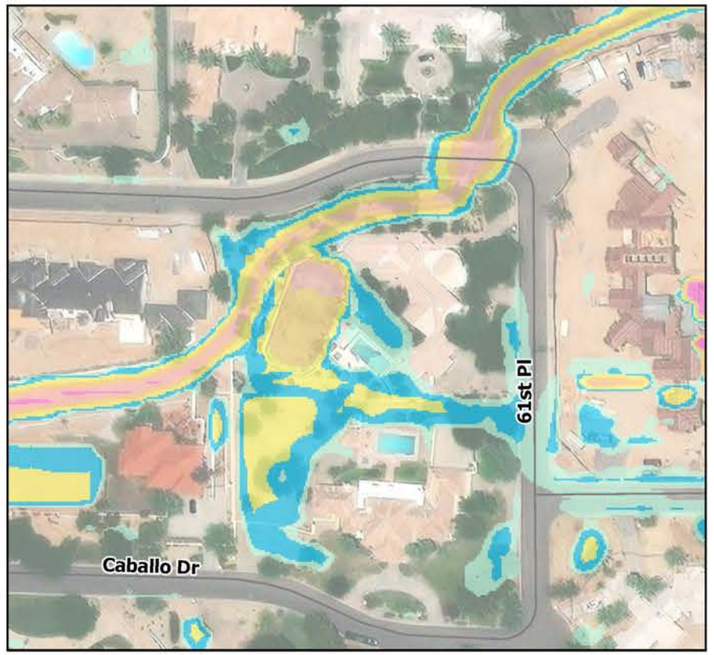
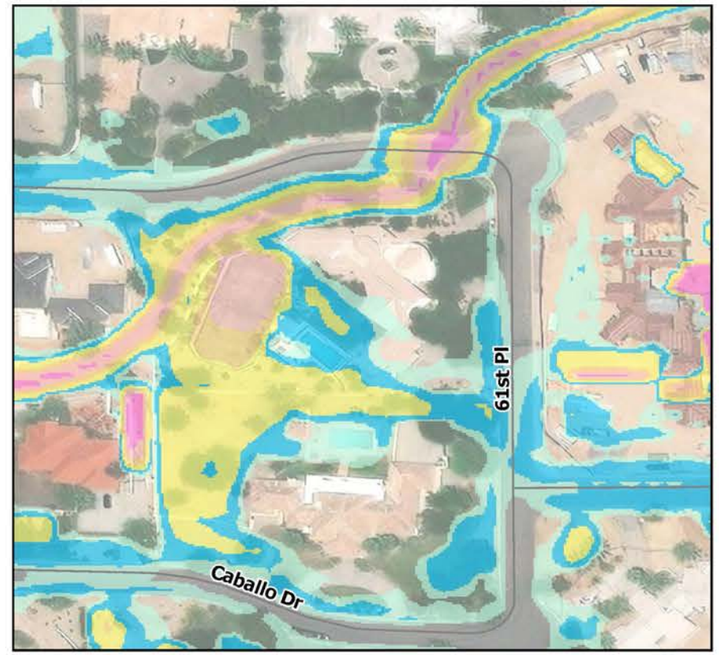
## Possible Emergency Vehicle Access Restriction Areas: Caballo Ln

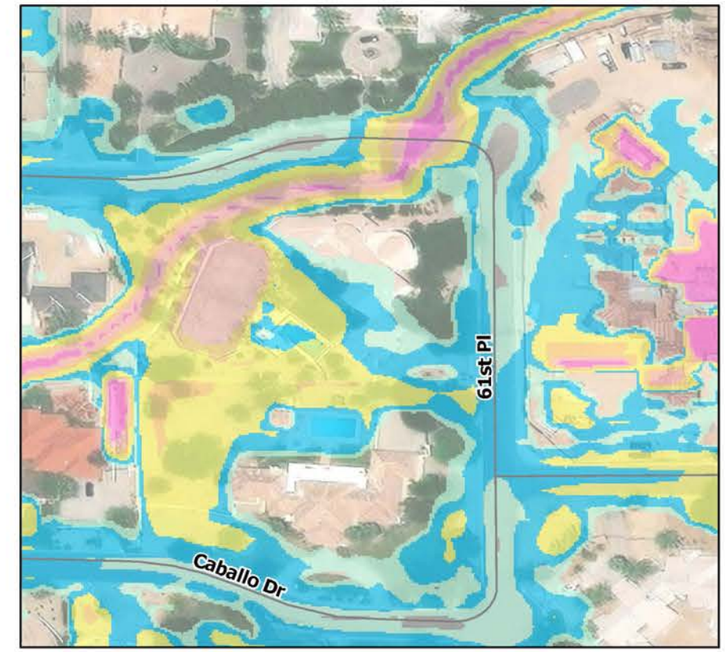
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 4.7 ft

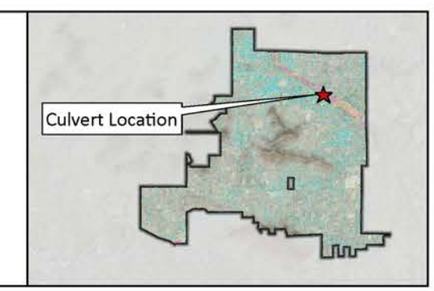
N

0 75 150 300 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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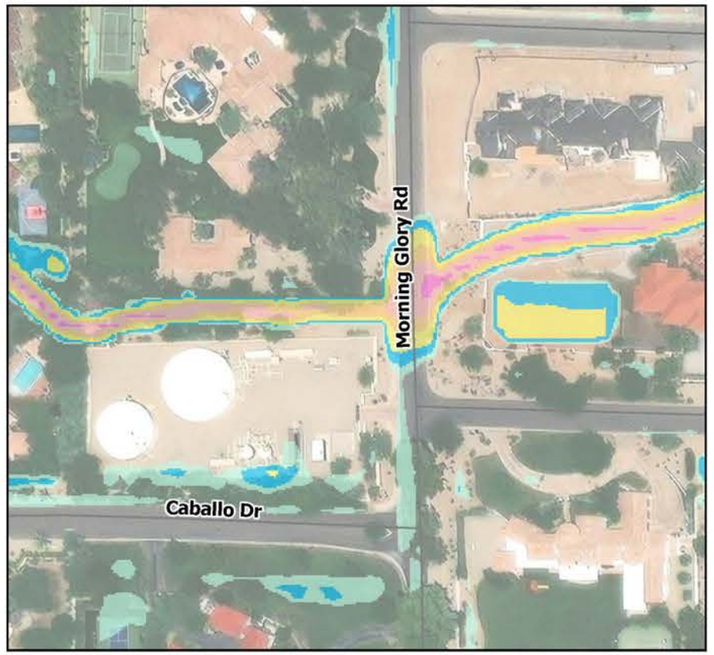
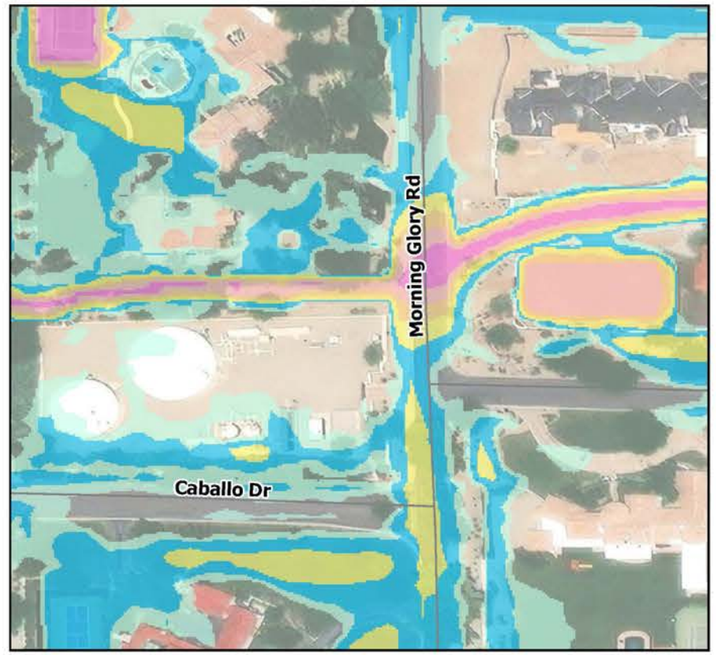
## Possible Emergency Vehicle Access Restriction Areas: Morning Glory Rd Low Water Crossing

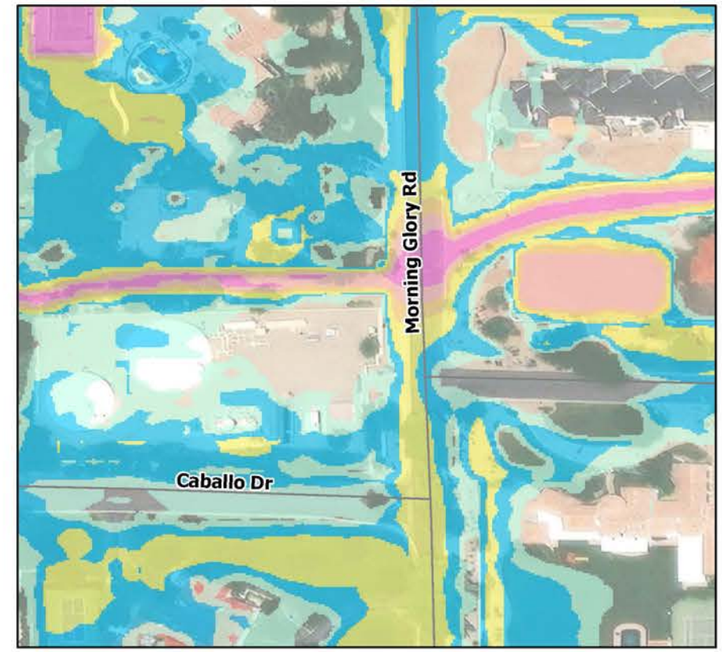
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 5.3 ft

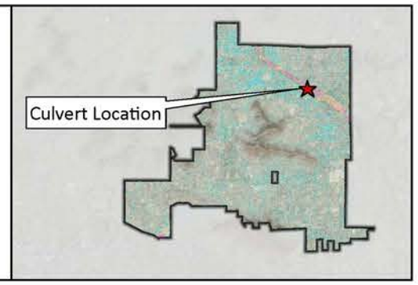
N

0 75 150 300 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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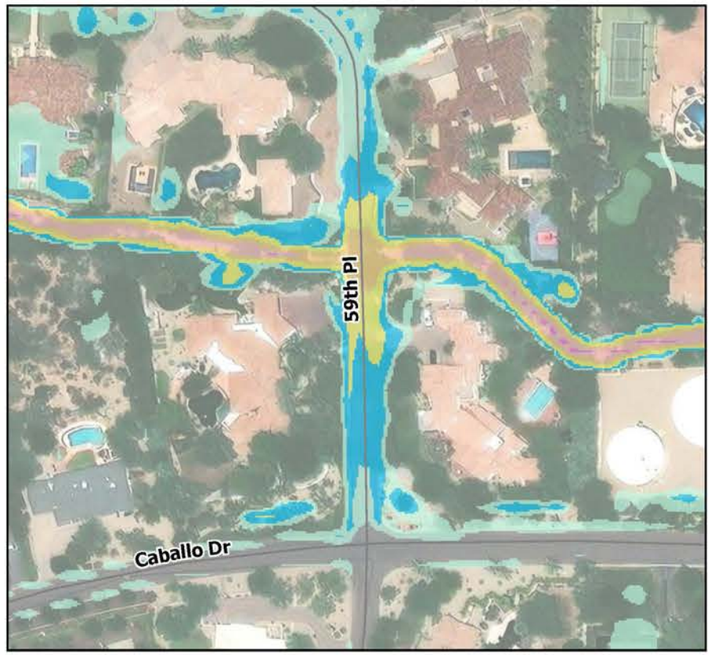
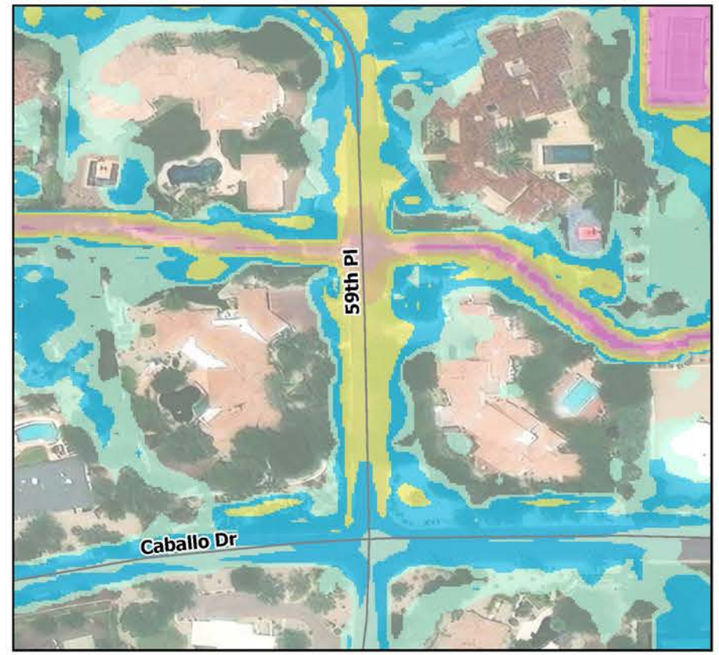
## Possible Emergency Vehicle Access Restriction Areas: 59th Pl Low Water Crossing

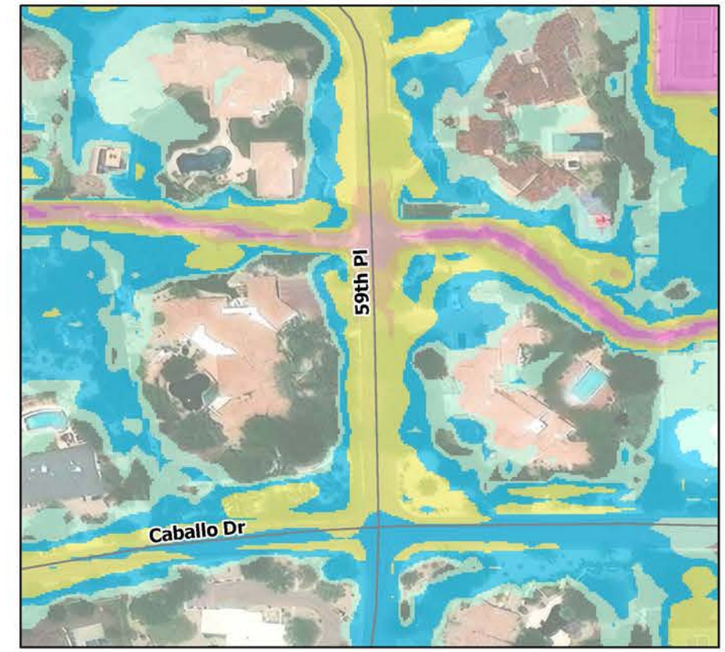
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 3.8 ft

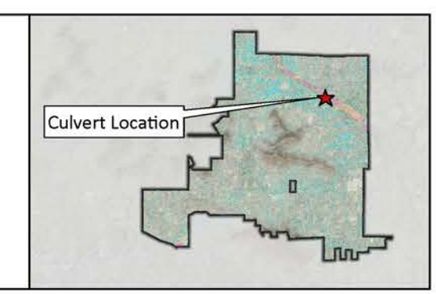
N

0 75 150 300 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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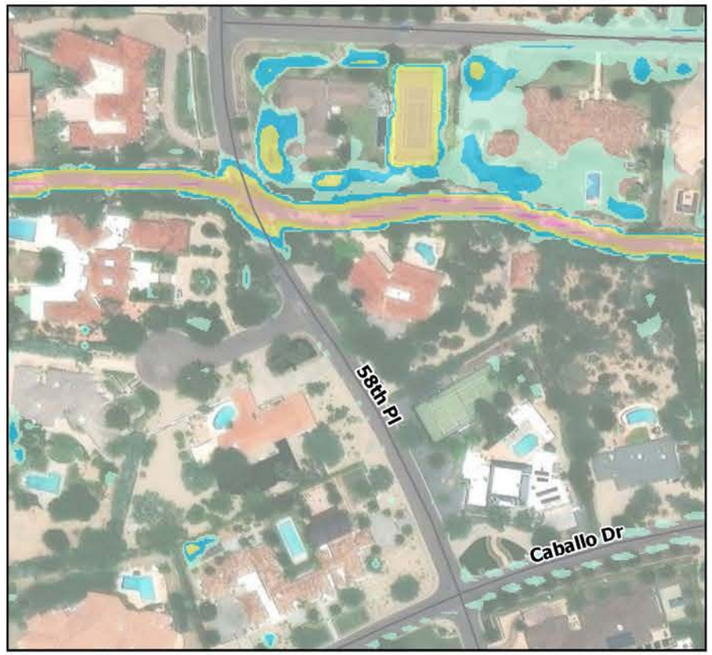
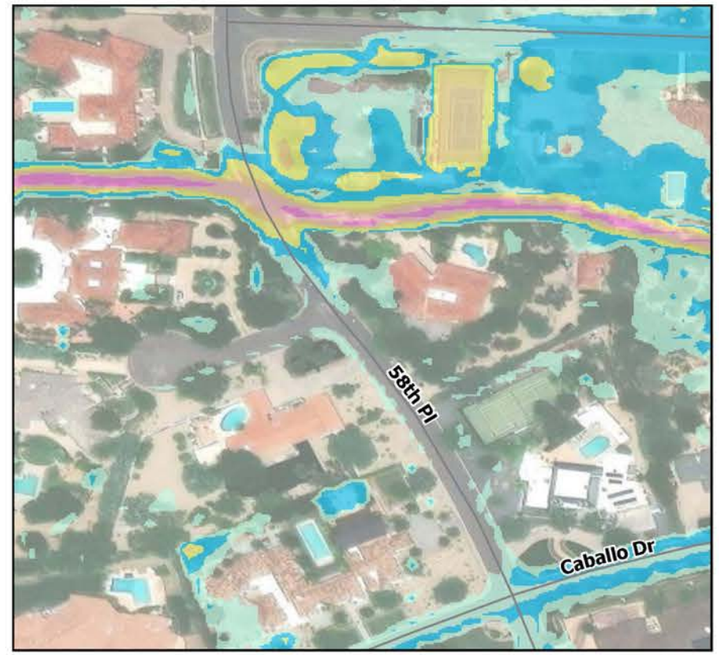
## Possible Emergency Vehicle Access Restriction Areas: 58th Pl Low Water Crossing

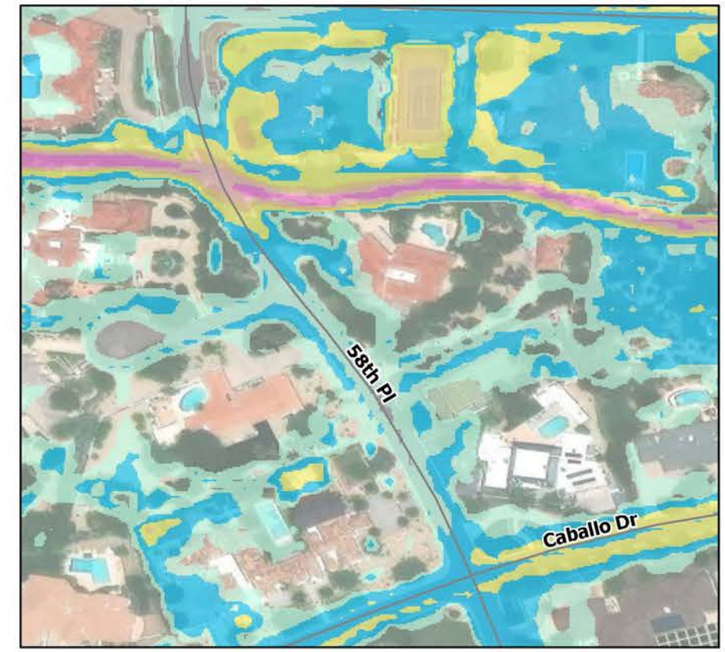
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 4.2 ft

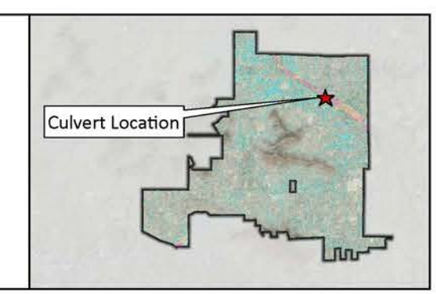
N

0 75 150 300 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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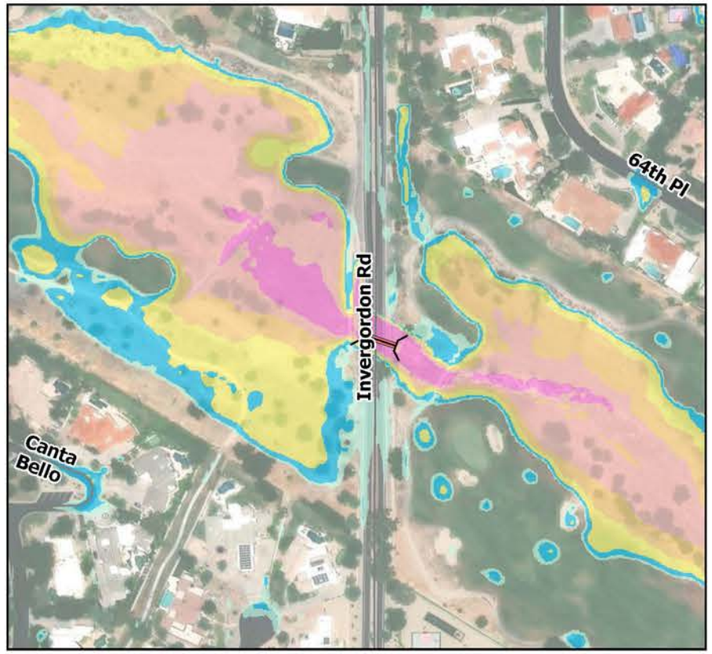
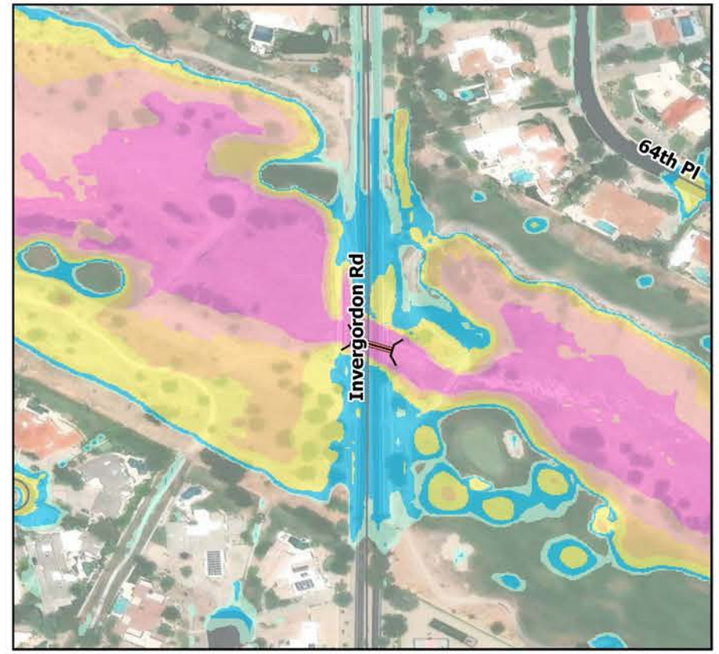
## Possible Emergency Vehicle Access Restriction Areas: N-21

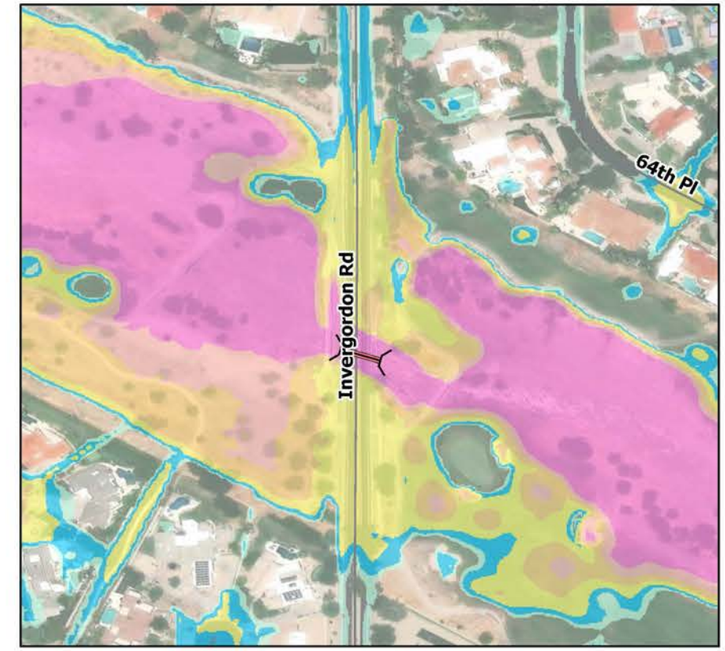
2-Year, 6-Hour




10-Year, 6-Hour




100-Year, 6-Hour




100-Year Maximum Depth Overtopping the Road : 11 ft

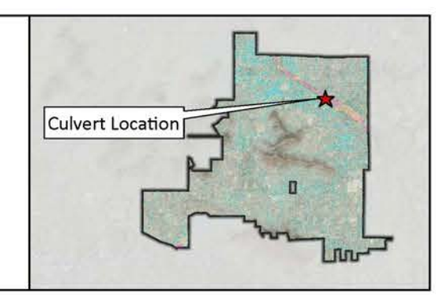
N

0 75 150 300 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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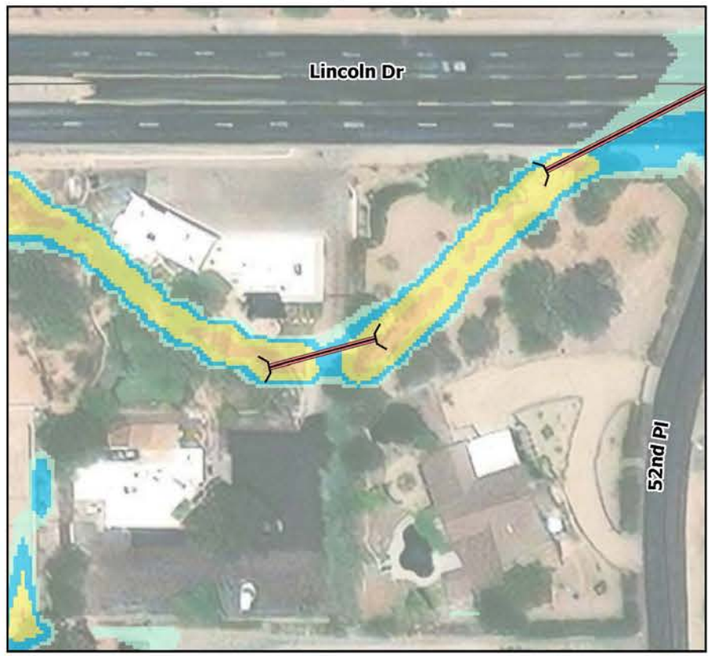
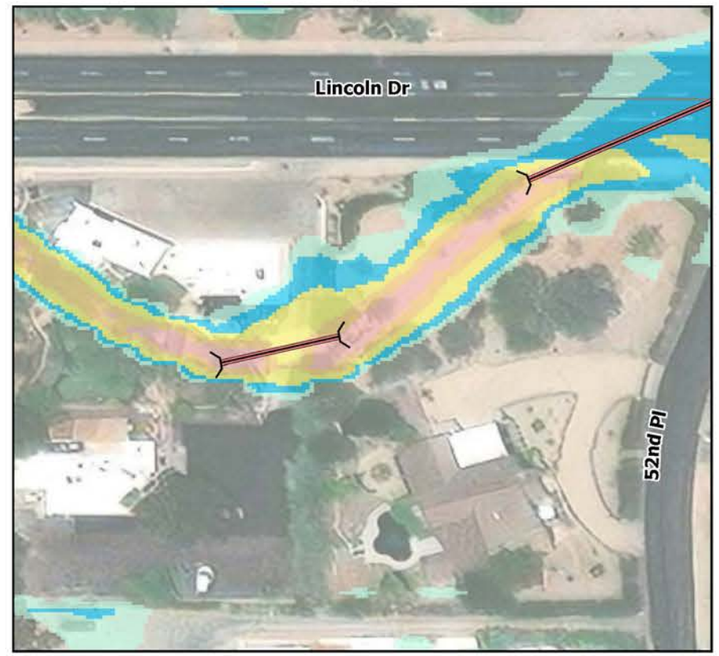
## Possible Emergency Vehicle Access Restriction Areas: S-9

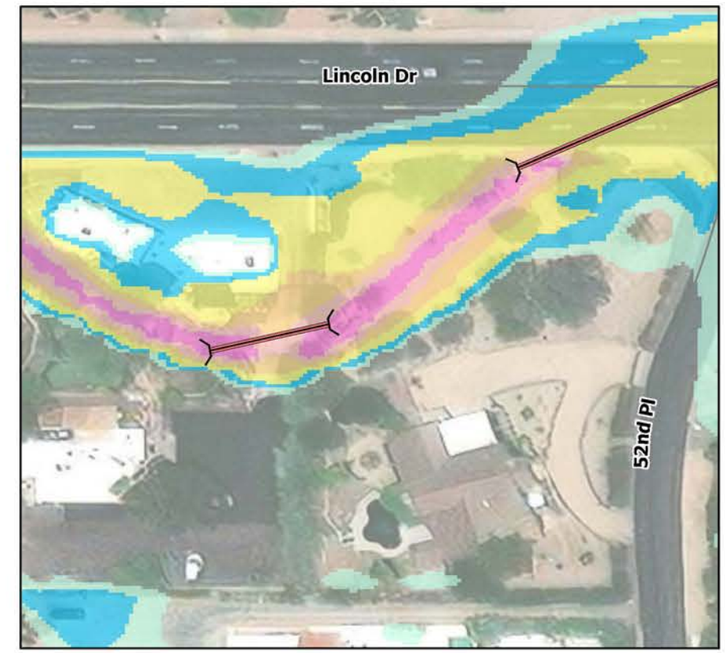
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 3.6

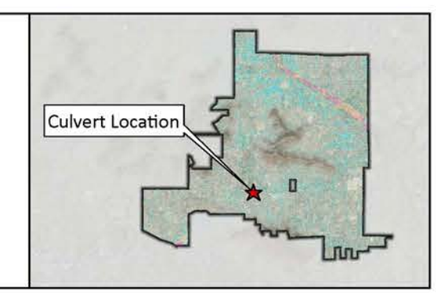
N

0 37.5 75 150 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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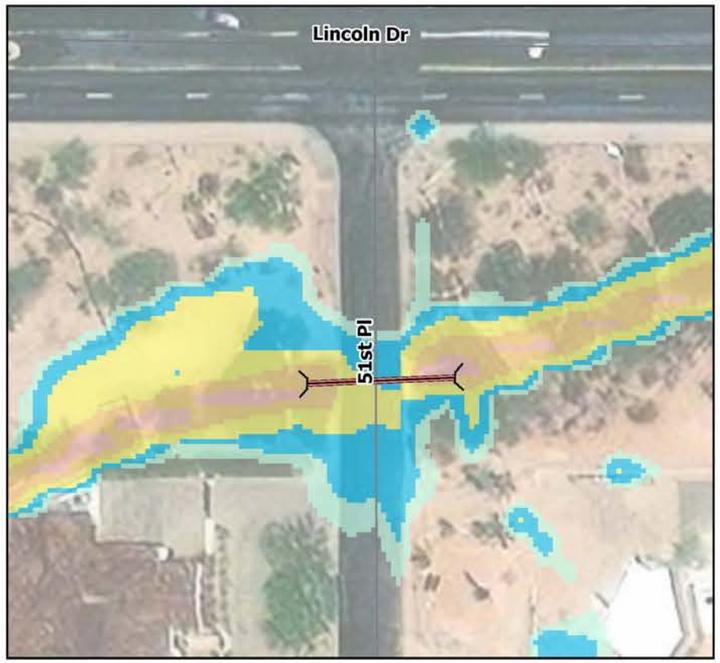
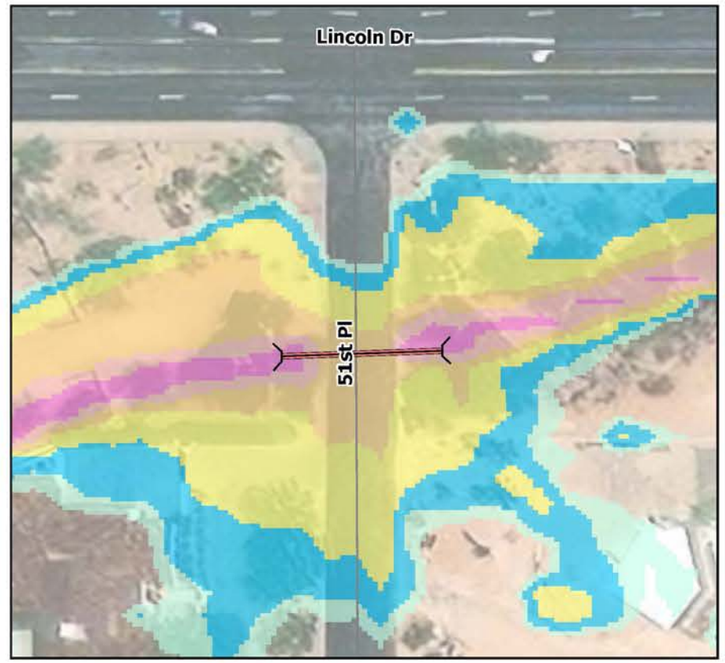
## Possible Emergency Vehicle Access Restriction Areas: S-8

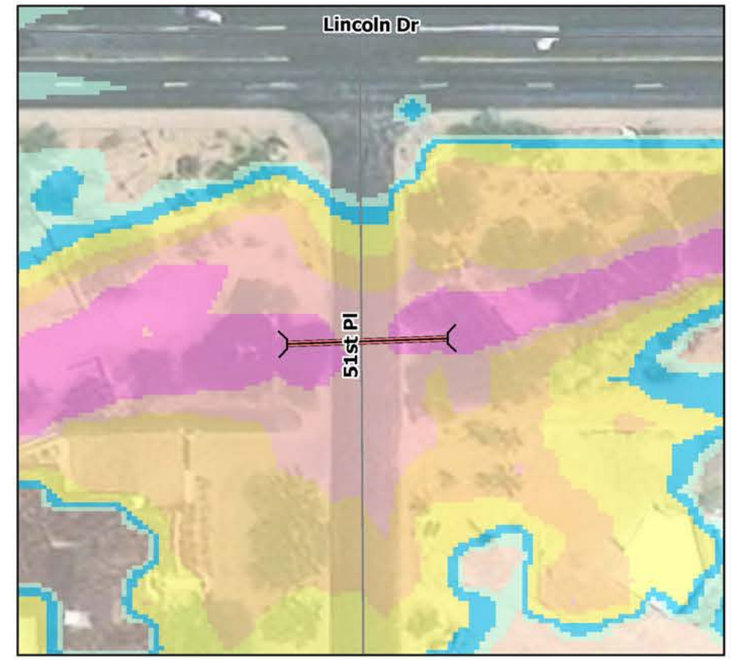
2-Year, 6-Hour




10-Year, 6-Hour




100-Year, 6-Hour




100-Year Maximum Depth Overtopping the Road : 4.8 ft

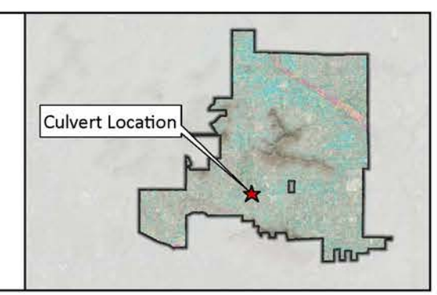
N

0 50 100 200 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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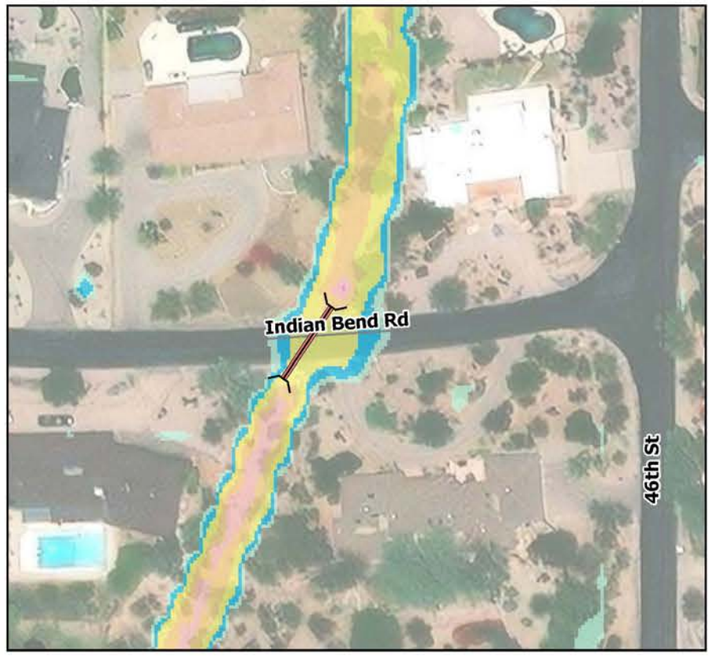
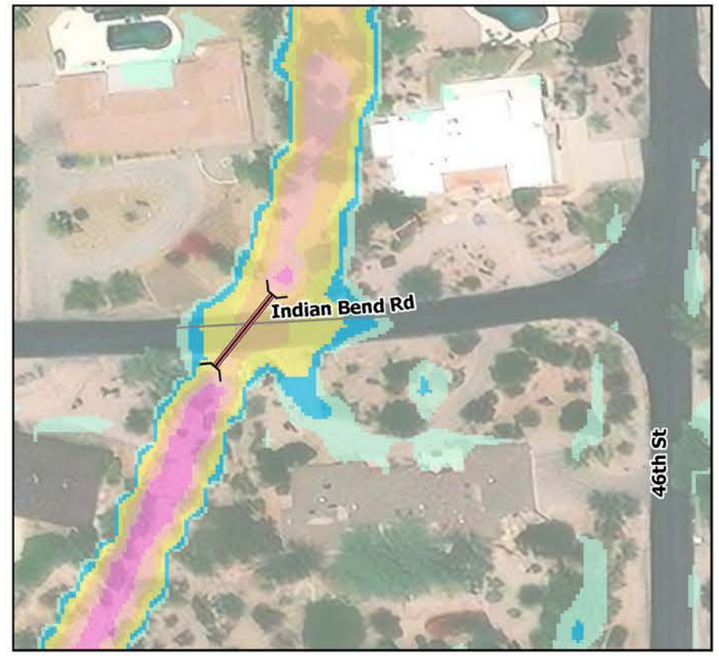
## Possible Emergency Vehicle Access Restriction Areas: S-7

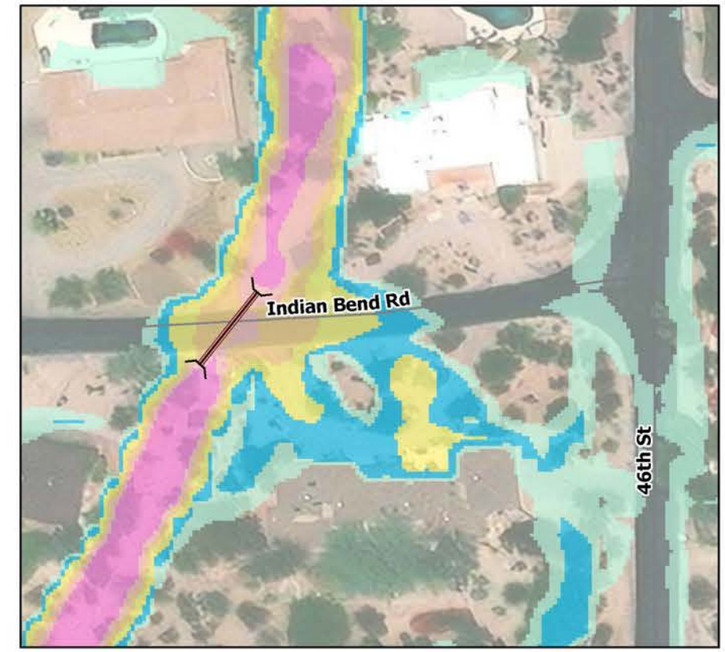
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 3.6 ft

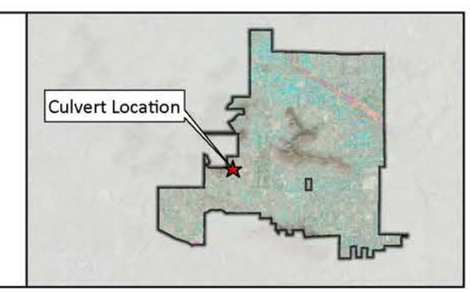
N

0 37.5 75 150 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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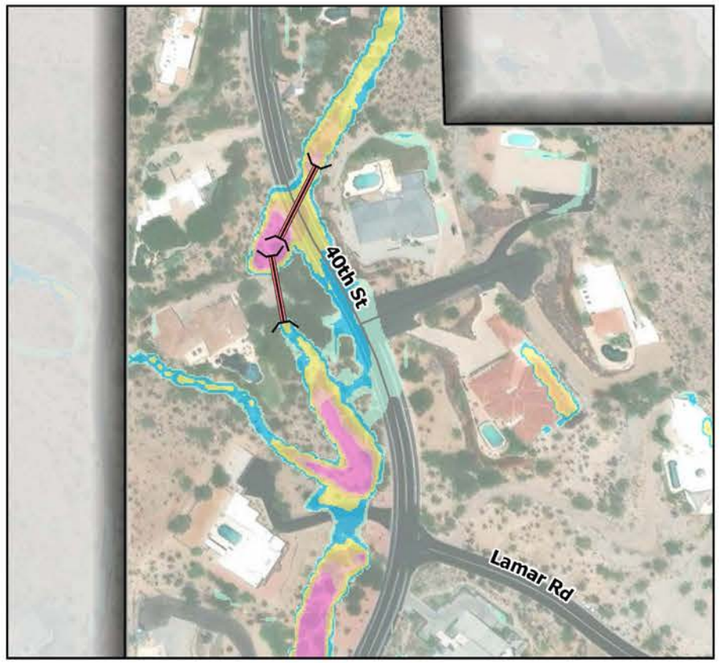
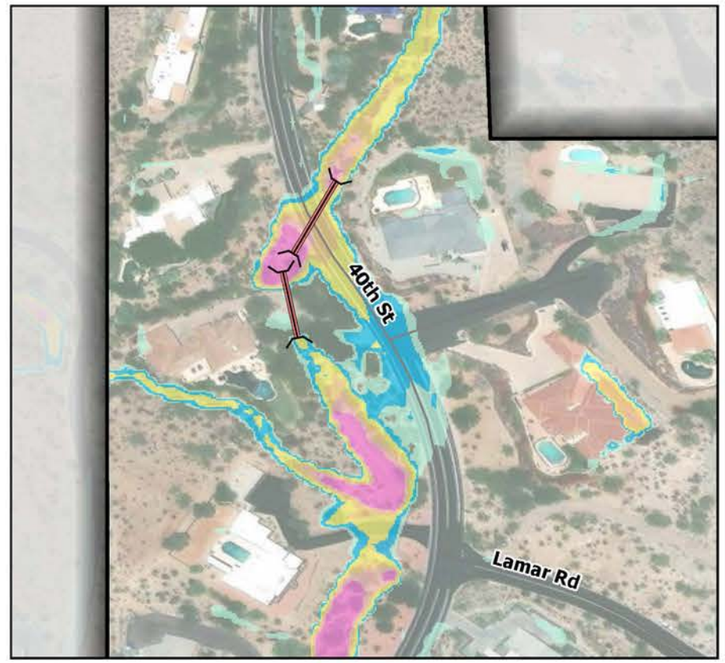
## Possible Emergency Vehicle Access Restriction Areas: S-3

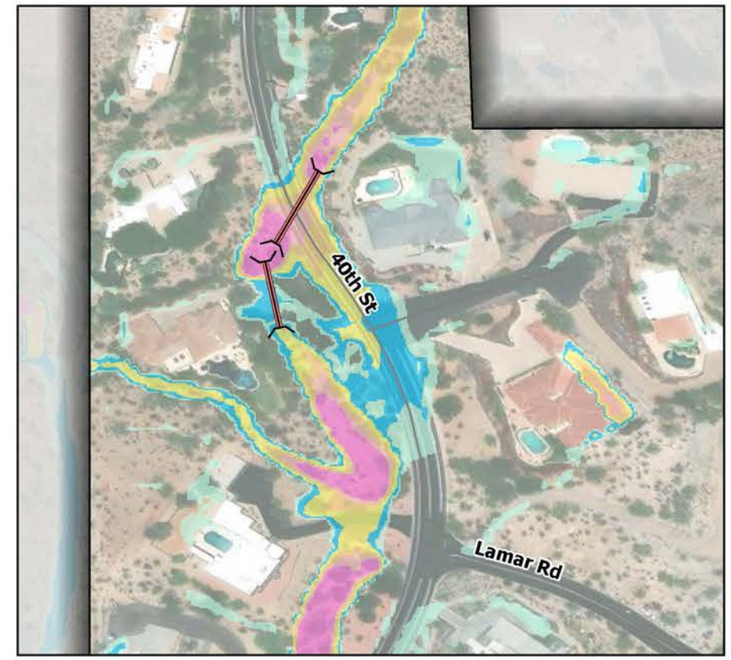
**2-Year, 6-Hour**




**10-Year, 6-Hour**




**100-Year, 6-Hour**




100-Year Maximum Depth Overtopping the Road : 3.9 ft

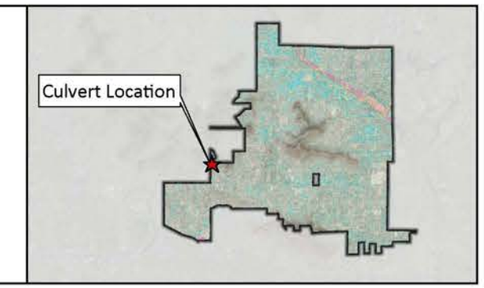
N

0 100 200 400 Feet

**Legend**

Hydraulic Structures
Culvert

Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27

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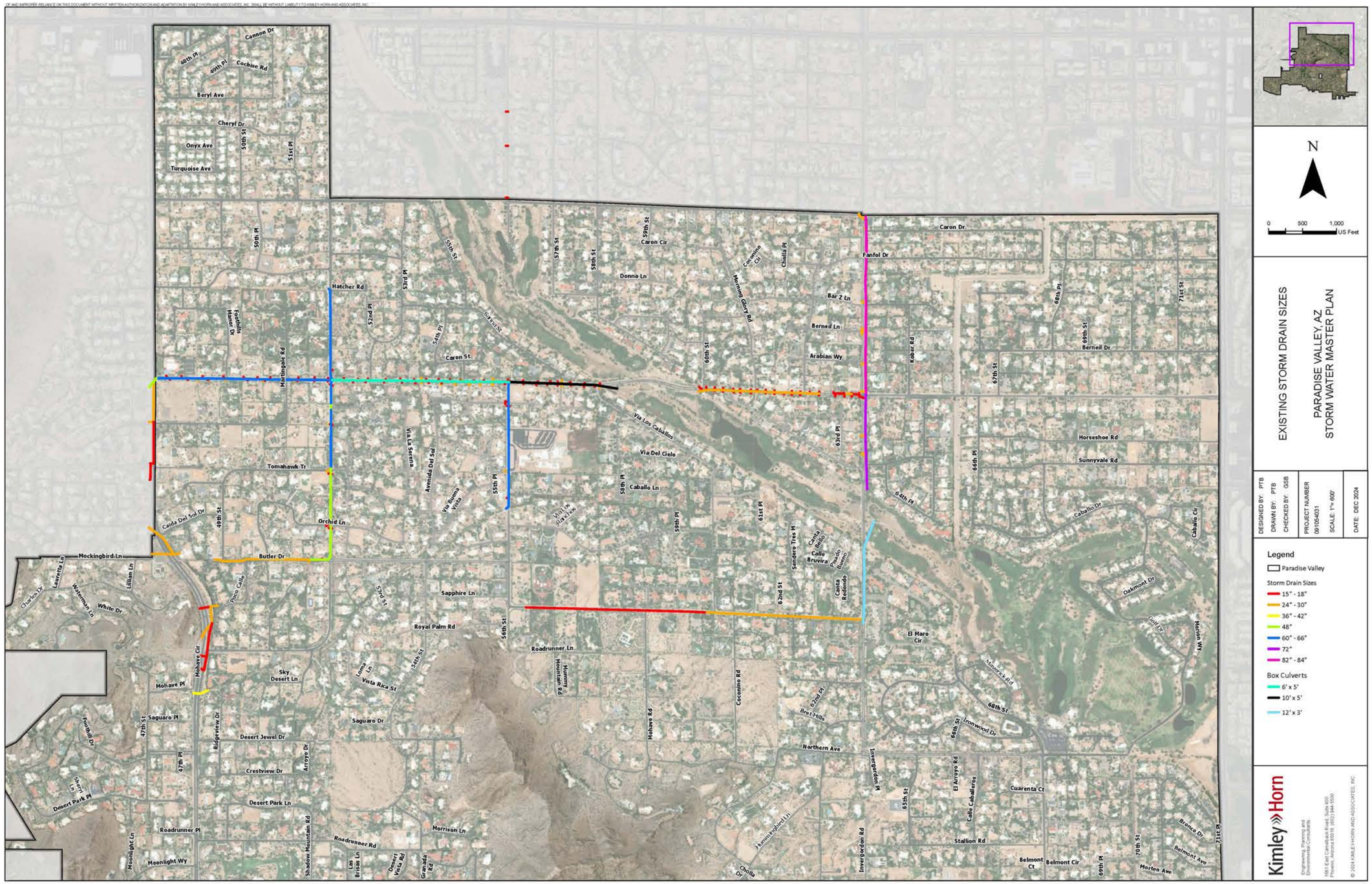
# XIV. APPENDIX B – EXISTING INFRASTRUCTURE

## STORM DRAIN IDENTIFICATION, CAPACITY, AND UNDERSIZED INLETS


N
0 500 1,000 US Feet
EXISTING STORM DRAIN SIZES
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 081054031
SCALE: 1"= 600'
DATE: DEC 2024
Legend
Paradise Valley
Storm Drain Sizes
15" - 18"
24" - 30"
36" - 42"
48"
60" - 66"
72"
82" - 84"
Box Culverts
6' x 5'
10' x 5'
12' x 3'
Kimley»Horn
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500
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Beryl Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
Hatcher Rd
Caron St
Caron Dr
Fanfol Dr
Donna Ln
Bar Z Ln
Berneil Ln
Arabian Wy
Berneil Dr
Horseshoe Rd
Sunnyvale Rd
Caballo Dr
Via Los Caballos
Via Del Cielo
Caballo Ln
Tomahawk Tr
Orchid Ln
Butler Dr
Mockingbird Ln
Sapphire Ln
Royal Palm Rd
Roadrunner Ln
Sky Desert Ln
Vista Rica St
Saguaro Dr
Saguaro Pl
Desert Jewel Dr
Crestview Dr
Desert Park Ln
Roadrunner Pl
Roadrunner Rd
Moonlight Wy
Morrison Ln
Mohave Pl
Northern Ave
Stallion Rd
Cuarenta Ct
Belmont Ct
Belmont Cir
Ironwood Dr
El Maro Cir
Oakmont Dr
Golf Dr
Morten Ave
Belmont Ave
Bronco Dr
Cocomino Rd
Mohave Rd
Invergordon Rd
Hummingbird Ln
Cholla Dr
Caballo Cir
Cuarenta Cir
Calle Caballeros
El Arroyo Rd
Kober Rd
Cocomino Cir
Cholla Pl
Morning Glory Rd
Sandera Tree M
Canta Bello
Calle Bruvira
Paseo Bueno
Canta Redondo
Bre'r Hills
Via Los Caballos
Via Rosa Vista
Avenida Del Sol
Via La Serena
Canta Del Sol Dr
Paso Calle
Laurenta Ln
Charles Dr
Watermain Ln
Lillian Ln
White Dr
Foothills Manor Dr
Maringale Rd
Foothill Dr
Skyline Ln
Desert Park Pl
Ridgeview Dr
Arroyo Dr
Shadow Mountain Rd
Moonlight Ln
Las Brisas Ln
Desert Vista Rd
Granada Rd
Lorna Ln
Hummy Mountain Rd
Mohave Cir
Cannon Dr
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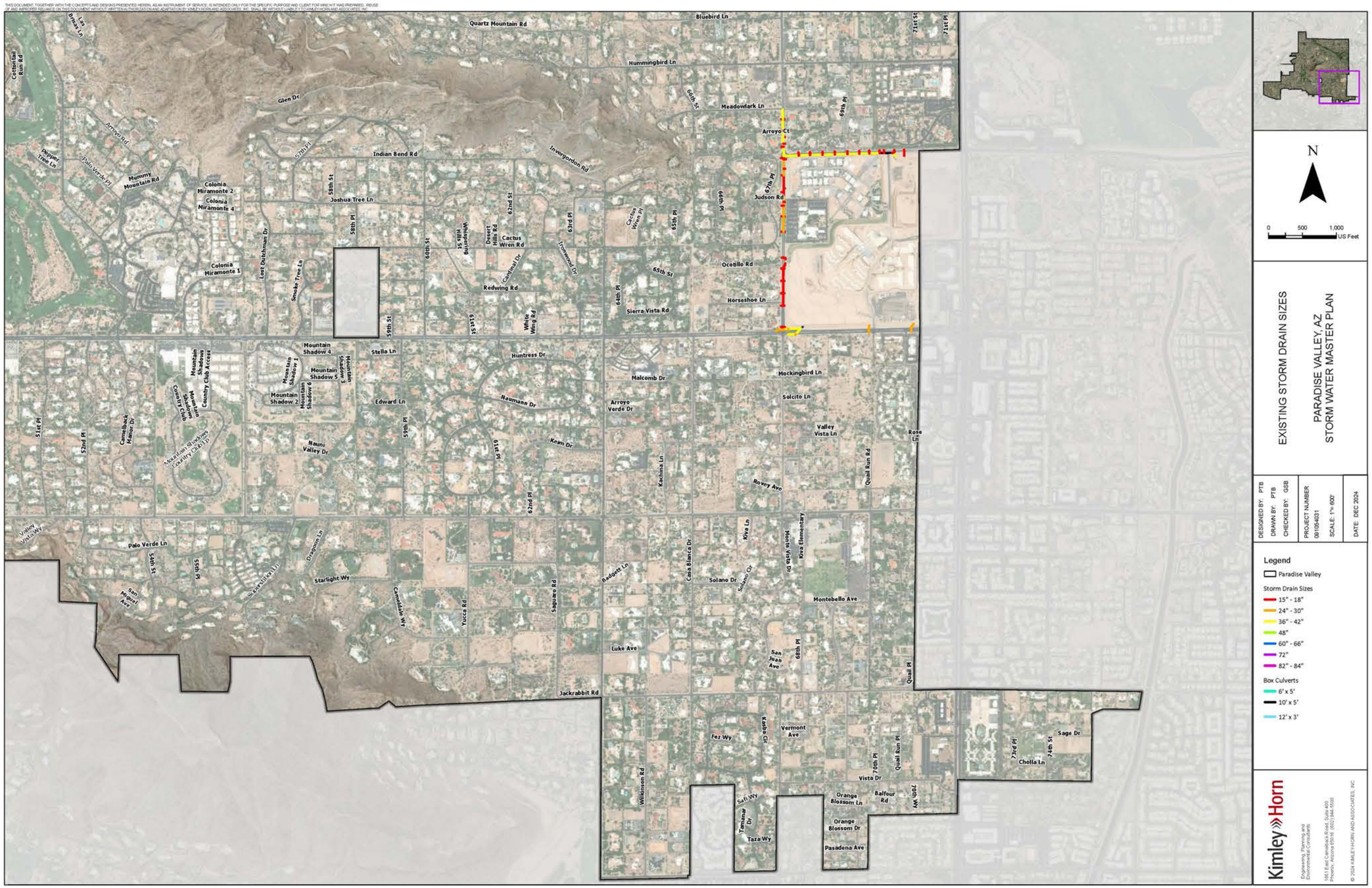
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EXISTING STORM DRAIN SIZES
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 091054031
SCALE: 1"= 600'
DATE: DEC 2024
Legend
Paradise Valley
Storm Drain Sizes
15" - 18"
24" - 30"
36" - 42"
48"
60" - 66"
72"
82" - 84"
Box Culverts
6' x 5'
10' x 5'
12' x 3'
Kimley»Horn
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
Quartz Mountain Rd
Bluebird Ln
Hummingbird Ln
Meadowlark Ln
Arroyo Ct
Judson Rd
Ocotillo Rd
Horseshoe Ln
Sierra Vista Rd
Indian Bend Rd
Invergordon Rd
Joshua Tree Ln
Redwing Rd
Stella Ln
Hintress Dr
Malcomb Dr
Mockingbird Ln
Solcito Ln
Edward Ln
Naumann Dr
Arroyo Verde Dr
Valley Vista Ln
Kean Dr
Rovey Ave
Quail Run Rd
Palo Verde Ln
Starlight Wy
Badgett Ln
Solano Dr
Montebello Ave
Luke Ave
Jackrabbit Rd
Vermont Ave
Fez Wy
Vista Dr
Orange Blossom Ln
Balfour Rd
Orange Blossom Dr
Pasadena Ave
Taza Wy
Sage Dr
Cholla Ln
Glen Dr
Arroyo Rd
Mummy Mountain Rd
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Colonia Miramonte 1
Mountain Shadow 4
Mountain Shadow 5
Mountain Shadow 2
Nauni Valley Dr
Mountain Shadows Country Club
Kiva Elementary
Cactus Wren Rd
Desert Hills Rd
Cottontail Run Rd
Pepper Tree Ln
Palo Verde Pl
Las Brisas Ln
Camelback Manor Dr
Starlight Ln
Dragoon Ln
Camelback Wy
Yucca Rd
Saguaro Rd
Casa Blanca Dr
Kiva Ln
Hohns Vista Dr
San Juan Ave
Quail Pl
Quail Run Pl
Wildinson Rd
Safi Wy
Tamanar Dr
Kasba Cir
Rose Ln
Valley Vista Wy
San Miguel Ave
Smoke Tree Ln
Lost Dutchman Dr
Cactus Wren Pl
Tonkawood Dr
Cantinal Dr
White Wing Rd
Whispering Hills Ln
Sierra Vista Ln
Mountain Shadows Country Club Access
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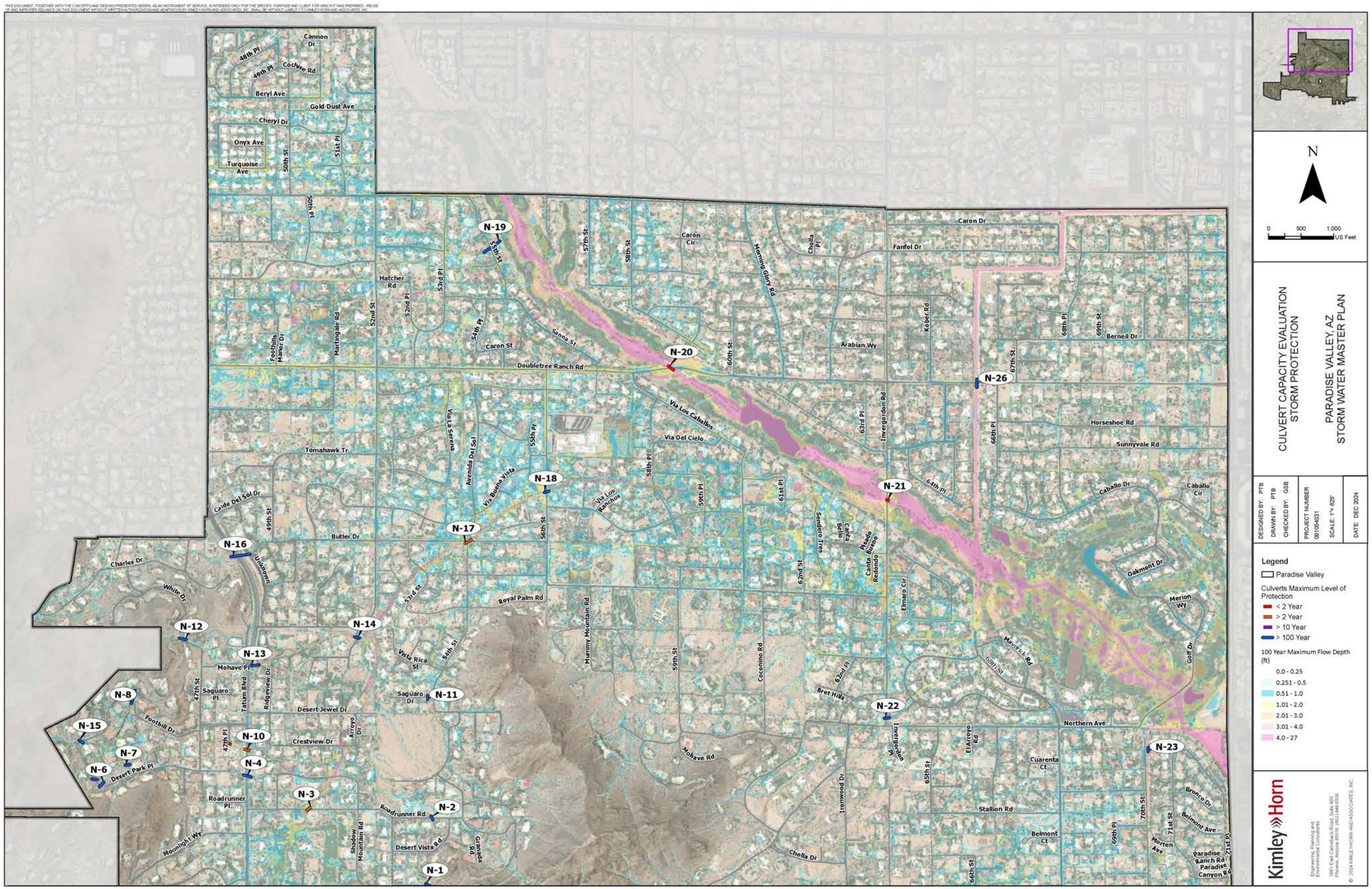
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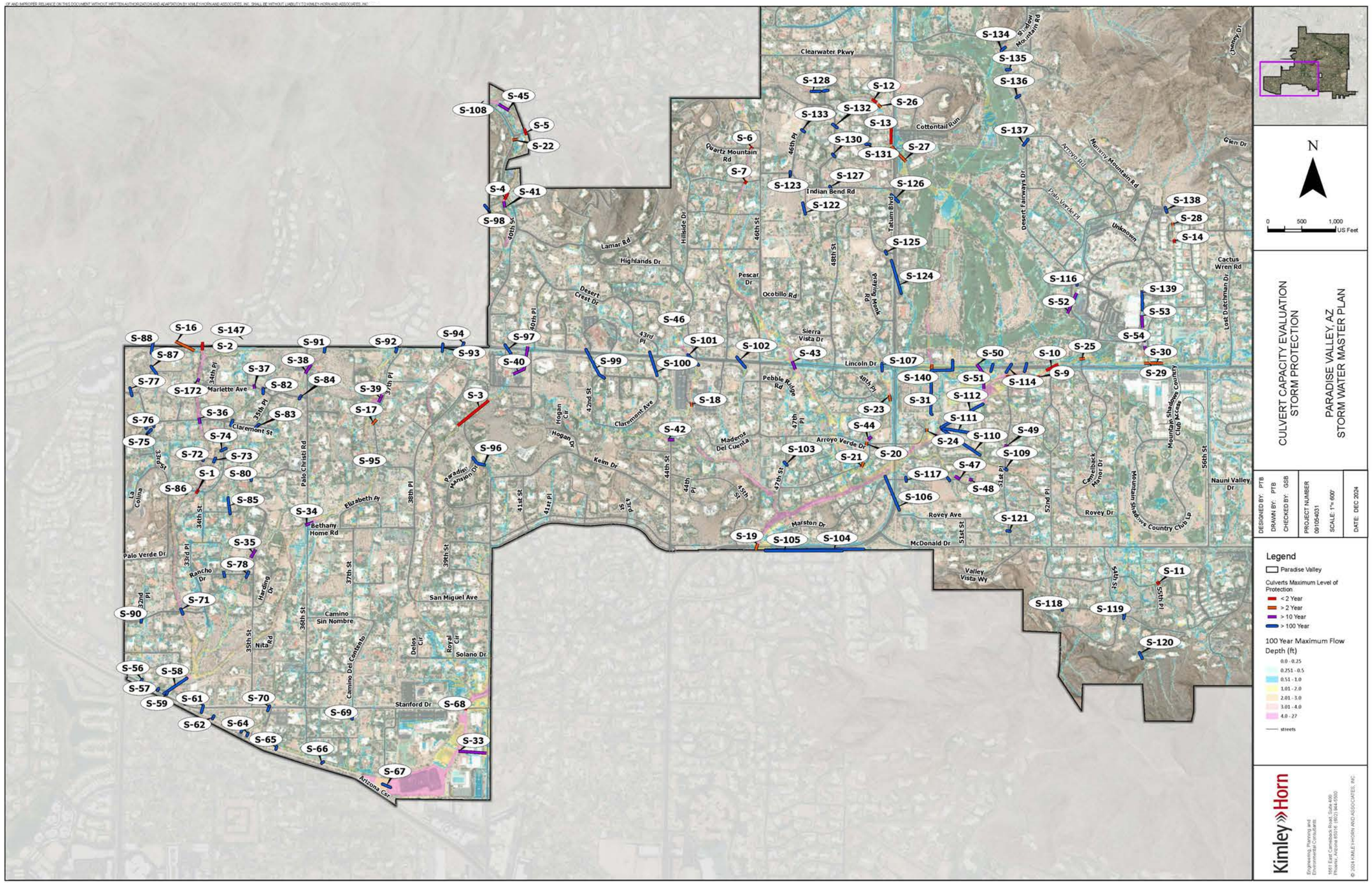
CULVERT CAPACITY EVALUATION
STORM PROTECTION
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 061054031
SCALE: 1"= 625'
DATE: DEC 2024
Legend
Paradise Valley
Culverts Maximum Level of Protection
< 2 Year
> 2 Year
> 10 Year
> 100 Year
100 Year Maximum Flow Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
Kimley»Horn
N-1
N-2
N-3
N-4
N-6
N-7
N-8
N-10
N-11
N-12
N-13
N-14
N-15
N-16
N-17
N-18
N-19
N-20
N-21
N-22
N-23
N-26
Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Gold Dust Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
50th Pl
Hatcher Rd
53rd Pl
52nd Pl
52nd St
54th Pl
Foothills Mesa Dr
Martingale Rd
Caron St
Sanna St
Doubletree Ranch Rd
57th St
58th St
Caron Cir
Morning Glory Rd
Cholla Pl
Caron Dr
Fanfol Dr
Kober Rd
Arabian Wy
60th St
Via Los Caballos
Via Del Cielo
Via La Serena
Avenida Del Sol
55th Pl
Via Buena Vista
Via Los Rancheros
58th Pl
59th Pl
61st Pl
63rd Pl
Invergordon Rd
66th Pl
67th St
68th Pl
69th St
Berneil Dr
Horseshoe Rd
Sunnyvale Rd
64th Pl
Caballo Dr
Caballo Cir
Tomahawk Tr
Caide Del Sol Dr
49th St
Butler Dr
56th St
Sendero Tres
Bellota
Canta Bella
Pasado Canta Alegre
Redondo
Elmaro Cir
Oakmont Dr
Merion Wy
Golf Dr
Charles Dr
White Dr
Uniontown
53rd St
Royal Palm Rd
Hummy Mountain Rd
62nd St
Vista Rica St
54th St
59th St
Coconino Rd
Mayer Lk Rd
68th St
Bret Hills
62nd Pl
Mohave Pl
47th St
Saguaro Pl
Tatum Blvd
Ridgeview Dr
Saguaro Dr
Desert Jewel Dr
Foothill Dr
Arroyo Dr
Crestview Dr
47th Pl
Desert Park Pl
Roadrunner Pl
Roadrunner Rd
Moonlight Wy
Shadow Mountain Rd
Desert Vista Rd
Granada Rd
Mohave Rd
Invergordon Rd
El Arroyo Rd
Northern Ave
Cuarenta Ct
65th St
Lenwood Dr
Stallion Rd
Belmont Ct
Cholla Dr
66th St
70th St
69th Pl
71st St
Bronco Dr
Belmont Ave
Morten Ave
Paradise Ranch Rd
Paradise Canyon Rd
71st Pl


CULVERT CAPACITY EVALUATION
STORM PROTECTION
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
N
0 500 1,000 US Feet
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 091054031
SCALE: 1"= 600'
DATE: DEC 2024
Legend
Paradise Valley
Culverts Maximum Level of Protection
< 2 Year
> 2 Year
> 10 Year
> 100 Year
100 Year Maximum Flow Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
streets
Kimley»Horn
Engineering, Planning and Environmental Consultants
1801 East Camelback Road, Suite 100
Phoenix, Arizona 85016 (602) 944-5500
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
Clearwater Pkwy
Cottontail Run
Indian Bend Rd
Lamar Rd
Highlands Dr
Desert Crest Dr
Ocotillo Rd
Sierra Vista Dr
Lincoln Dr
Pebble Ridge Rd
Arroyo Verde Dr
Madera Del Cuenta
Marston Dr
Rovey Ave
McDonald Dr
Valley Vista Wy
Claremont St
Marlette Ave
Hogan Dr
Kelm Dr
Paradise Mansion Dr
Elizabeth Pl
Bethany Home Rd
Palo Verde Dr
San Miguel Ave
Camino Sin Nombre
Solano Dr
Stanford Dr
Arizona Cir
Rovey Dr
Shadows Country Club Dr
Nauni Valley Dr
Cactus Wren Rd
Lost Dutchman Dr
Glen Dr
Cheney Dr
Mummy Mountain Rd
Arroyo Rd
Palo Verde Pl
Unknown
Desert Fairways Dr
Tatum Blvd
Yawning Rd
Hillside Dr
Pescar Dr
Quartz Mountain Rd
Palo Christi Rd
Rancho Dr
Harding Dr
Nita Rd
Camino Del Contento
Delos Cir
Royal Cir
Hogan Cir
Mountain Shadows Country Club
Camelback Manor Dr
S-1
S-2
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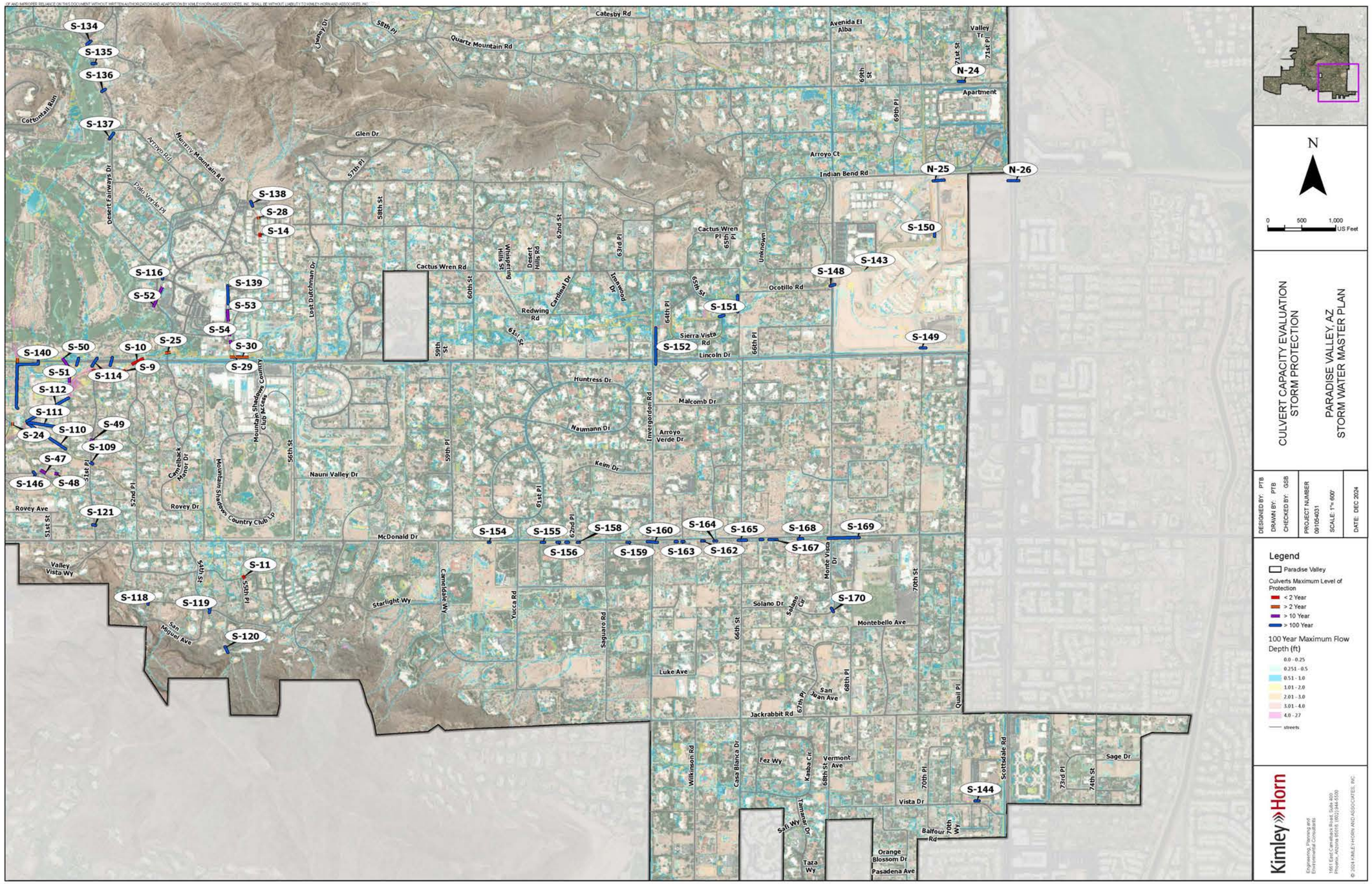
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S-10
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S-109
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S-169
S-170
S-144
S-152
S-151
S-148
S-143
S-150
S-149
N-24
N-25
N-26
Catesby Rd
Quartz Mountain Rd
Avenida El Alba
Valley Tr
Apartment
Glen Dr
Arroyo Ct
Indian Bend Rd
Cactus Wren Rd
Cactus Wren Pl
Ocotillo Rd
Sierra Vista Rd
Lincoln Dr
Huntress Dr
Malcomb Dr
Naumann Dr
Arroyo Verde Dr
Keim Dr
Nauni Valley Dr
McDonald Dr
Rovey Ave
Rovey Dr
Valley Vista Wy
Starlight Wy
San Miguel Ave
Solano Dr
Montebello Ave
Luke Ave
Jackrabbit Rd
Fez Wy
Vermont Ave
Vista Dr
Balfour Rd
Orange Blossom Dr
Pasadena Ave
Sage Dr
Cottonwood Run
Arroyo Rd
Nursery Mountain Rd
Palo Verde Pl
Desert Fairways Dr
Lost Dutchman Dr
Mountain Shadows Country Club Dr
Mountain Shadows Country Club Lp
Camelback Manor Dr
Camelback Way
Yucca Rd
Saguaro Rd
Wilkinson Rd
Casa Blanca Dr
Kasba Cir
Tamarisk Dr
Salt Wy
Taza Wy
Scottsdale Rd
Monte Vista Dr
Quail Pl
Cardinal Dr
Redwing Rd
Desert Hills Rd
Whispering Hills St
Ironwood Dr
Invergordon Rd
Unknown
N
0 500 1,000 US Feet
CULVERT CAPACITY EVALUATION
STORM PROTECTION
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER
091054031
SCALE: 1"= 600'
DATE: DEC 2024
Legend
Paradise Valley
Culverts Maximum Level of Protection
< 2 Year
> 2 Year
> 10 Year
> 100 Year
100 Year Maximum Flow Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
streets
Kimley»Horn
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500
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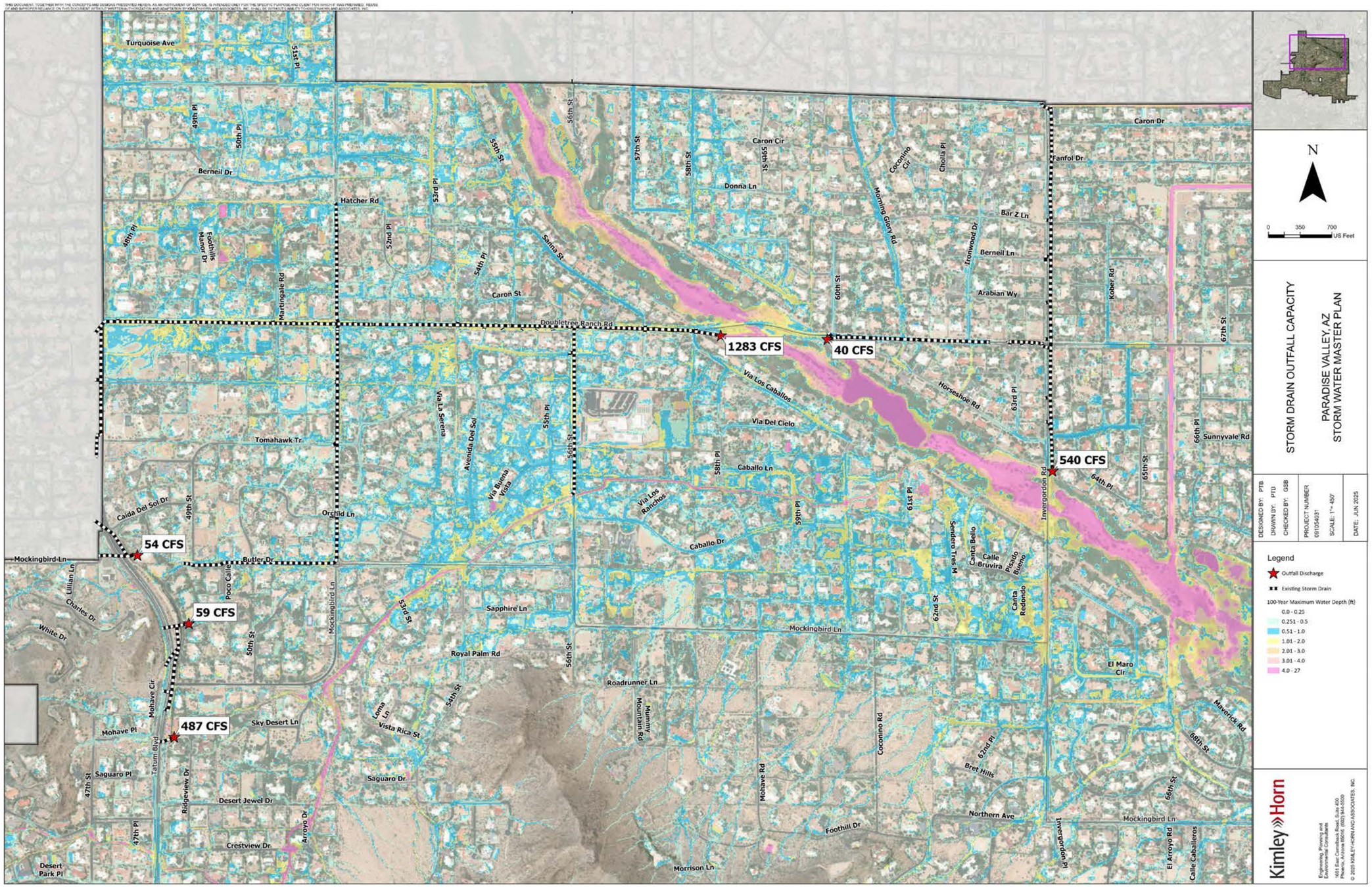
1283 CFS
40 CFS
540 CFS
54 CFS
59 CFS
487 CFS
N
0 350 700 US Feet
STORM DRAIN OUTFALL CAPACITY
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 091054031
SCALE: 1"= 450'
DATE: JUN 2025
Legend
Outfall Discharge
Existing Storm Drain
100-Year Maximum Water Depth (ft)
0.0 - 0.25
0.251 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.0 - 27
Kimley»Horn
Engineering, Planning and Environmental Consultants
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Phoenix, Arizona 85016 (602) 944-5500
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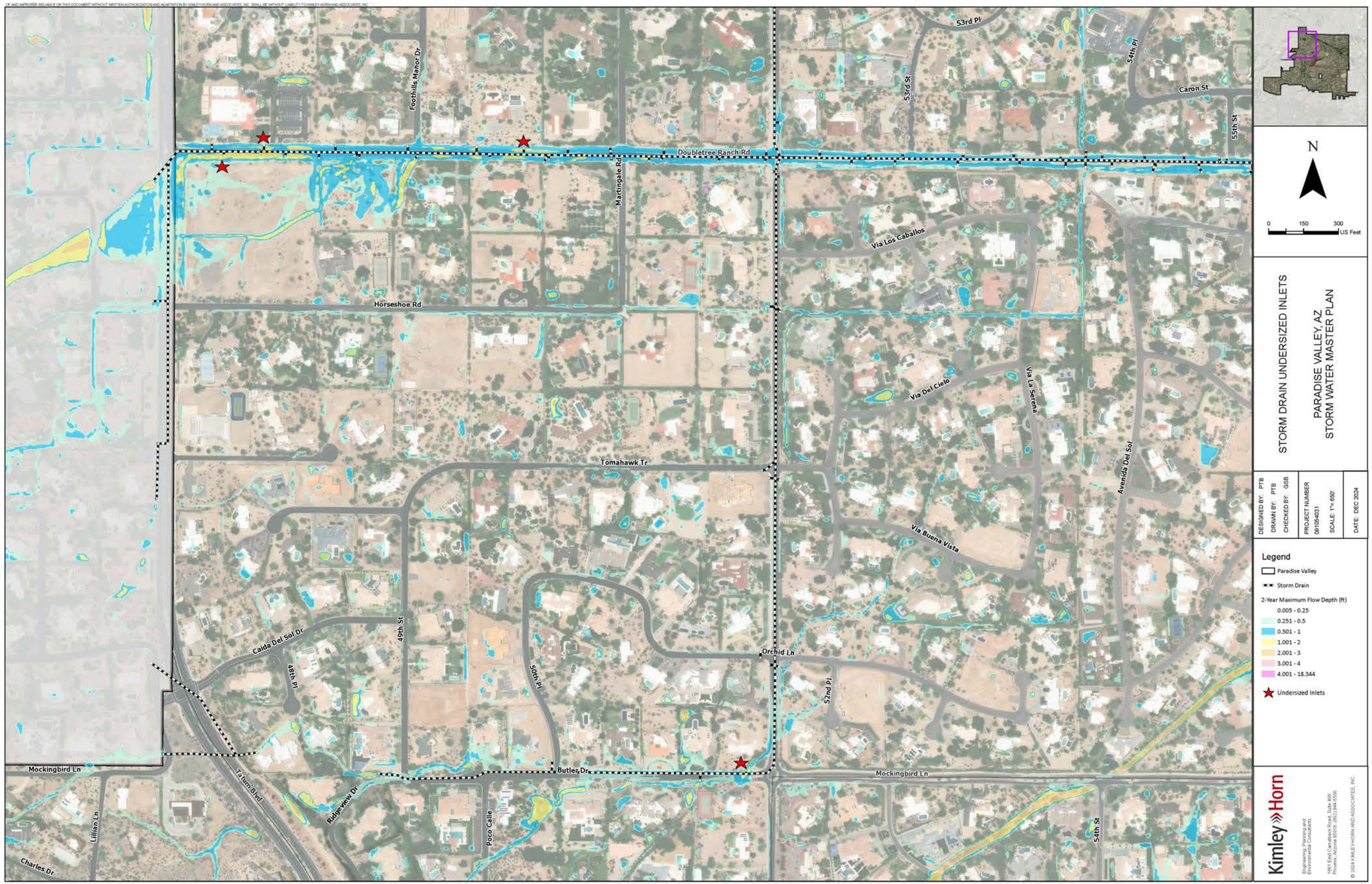
Foothills Manor Dr
Doubletree Ranch Rd
Martingale Rd
53rd Pl
53rd St
54th Pl
Caron St
55th St
Via Los Caballos
Horseshoe Rd
Via Del Cielo
Via La Serena
Avenida Del Sol
Tomahawk Tr
Via Buena Vista
Caida Del Sol Dr
48th Pl
49th St
50th Pl
Orchid Ln
52nd Pl
Mockingbird Ln
Butler Dr
Tatum Blvd
Ridgeview Dr
Poco Calle
Lillian Ln
Charles Dr
54th St
N
0 150 300 US Feet
STORM DRAIN UNDERSIZED INLETS
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER 091054031
SCALE: 1"= 650'
DATE: DEC 2024
Legend
Paradise Valley
Storm Drain
2-Year Maximum Flow Depth (ft)
0.005 - 0.25
0.251 - 0.5
0.501 - 1
1.001 - 2
2.001 - 3
3.001 - 4
4.001 - 18.344
Undersized Inlets
Kimley»Horn
Engineering, Planning and Environmental Consultants
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Phoenix, Arizona 85016 | (602) 944-5500
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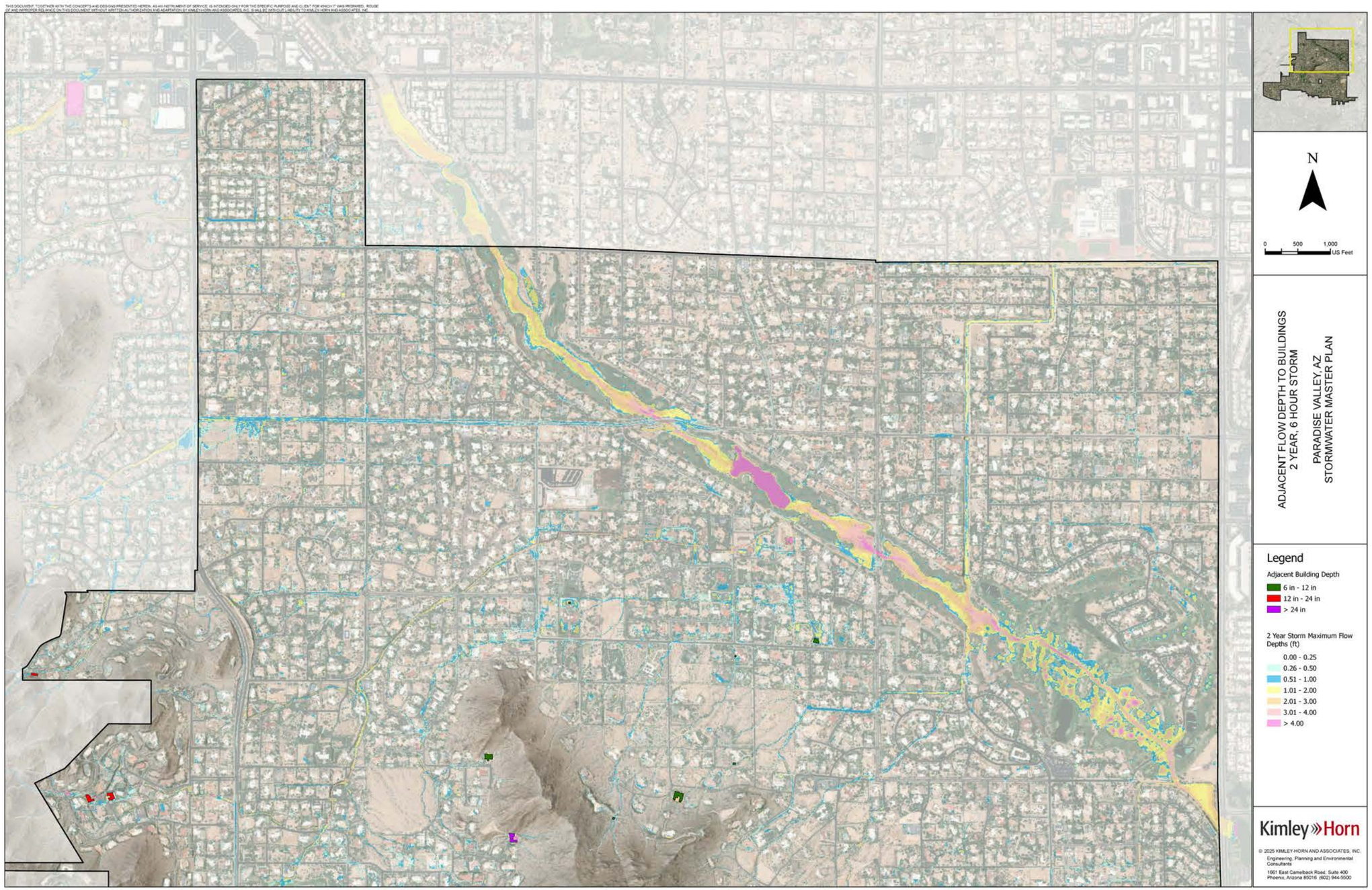
# XV. APPENDIX C – FLOOD HAZARD ANALYSIS

## ADJACENT FLOW DEPTH TO BUILDINGS


N
0 500 1,000
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
2 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
2 Year Storm Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
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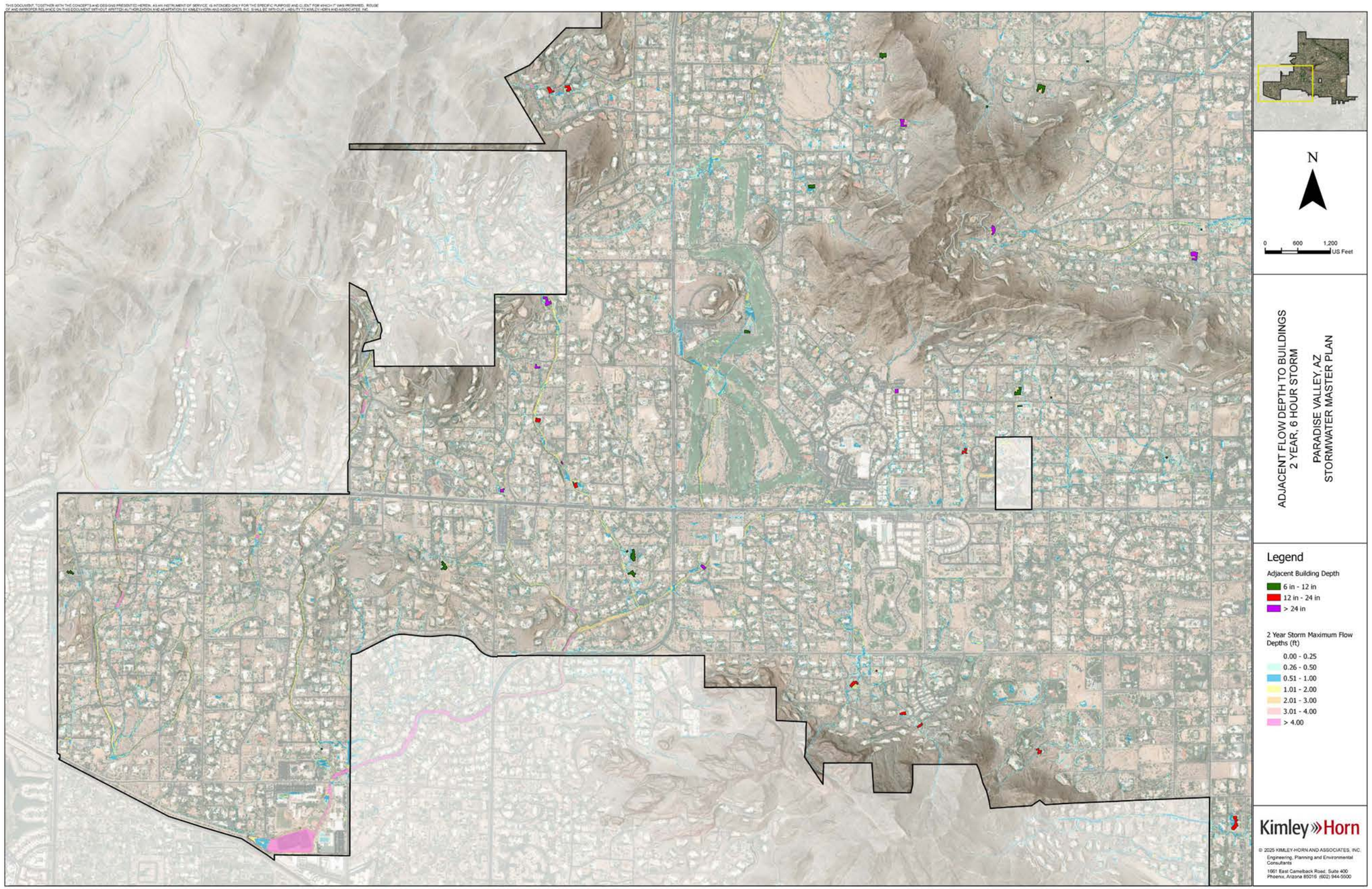
Phoenix, Arizona 85016 (602) 944-5500


N
0 600 1,200
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
2 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
2 Year Storm Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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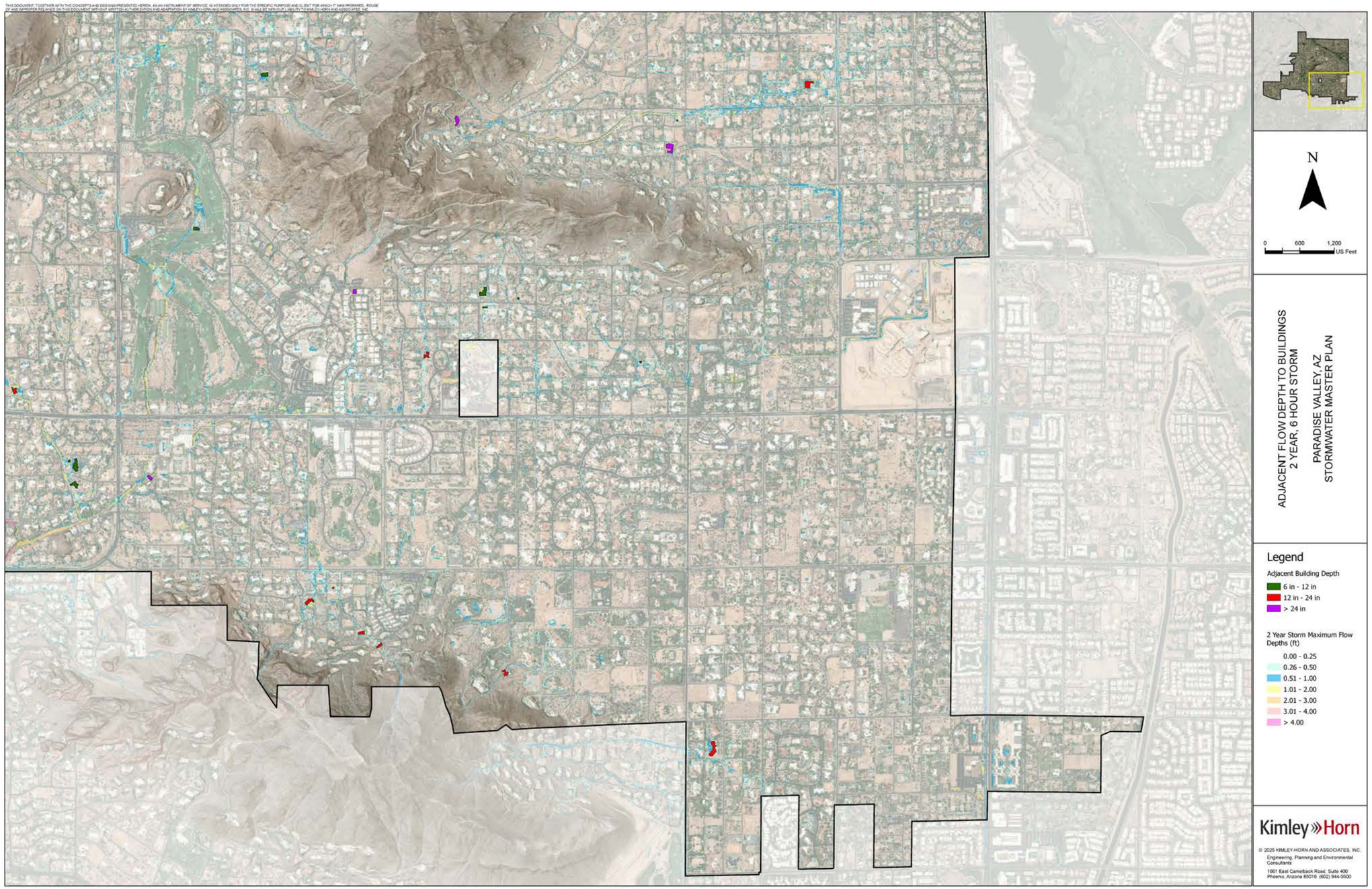
Phoenix, Arizona 85016 (602) 944-5500


N
0
600
1,200
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
2 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
2 Year Storm Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
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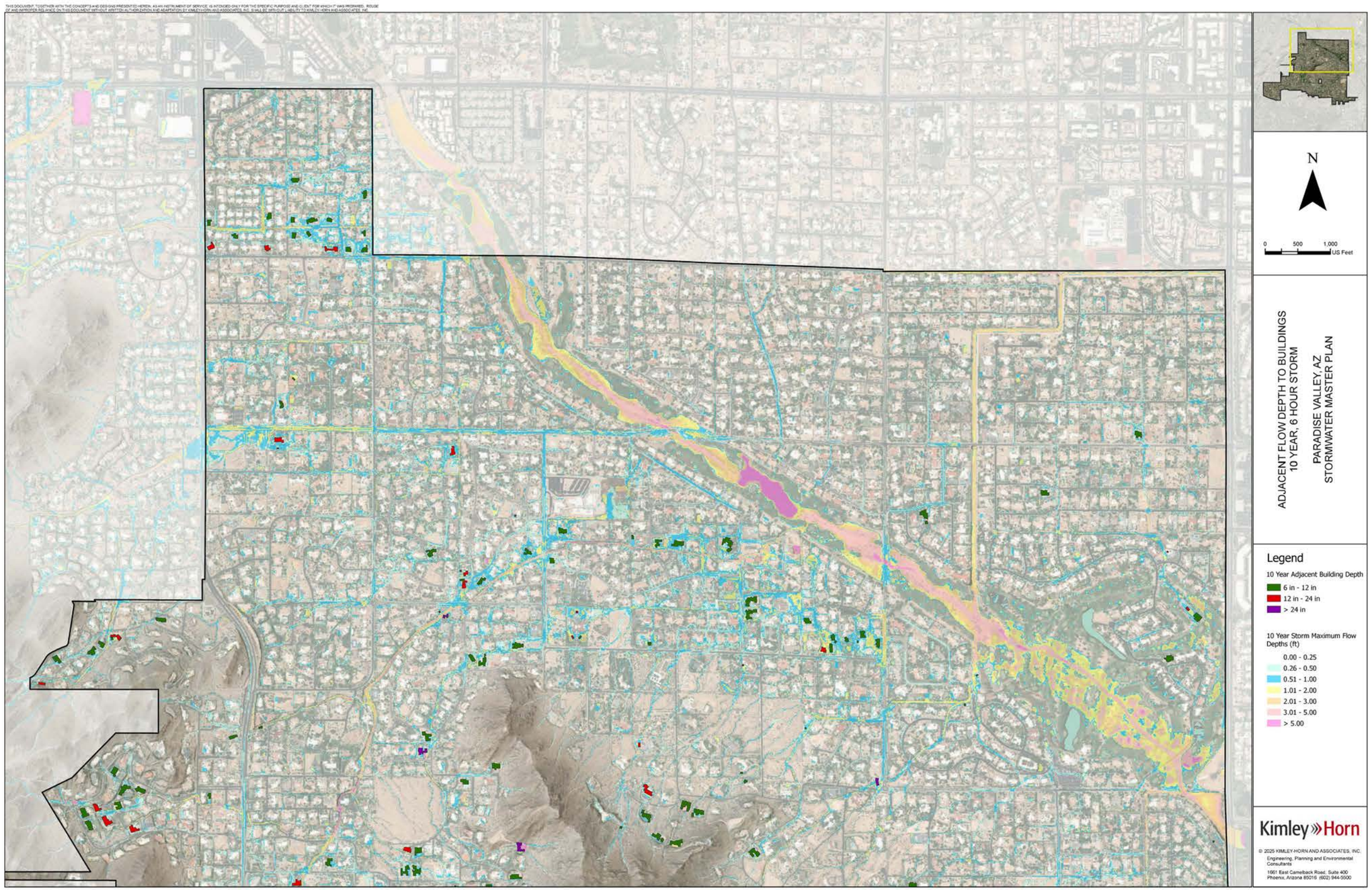
Phoenix, Arizona 85016 (602) 944-5500


N
0 500 1,000
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
10 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
10 Year Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
10 Year Storm Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 5.00
> 5.00
Kimley»Horn
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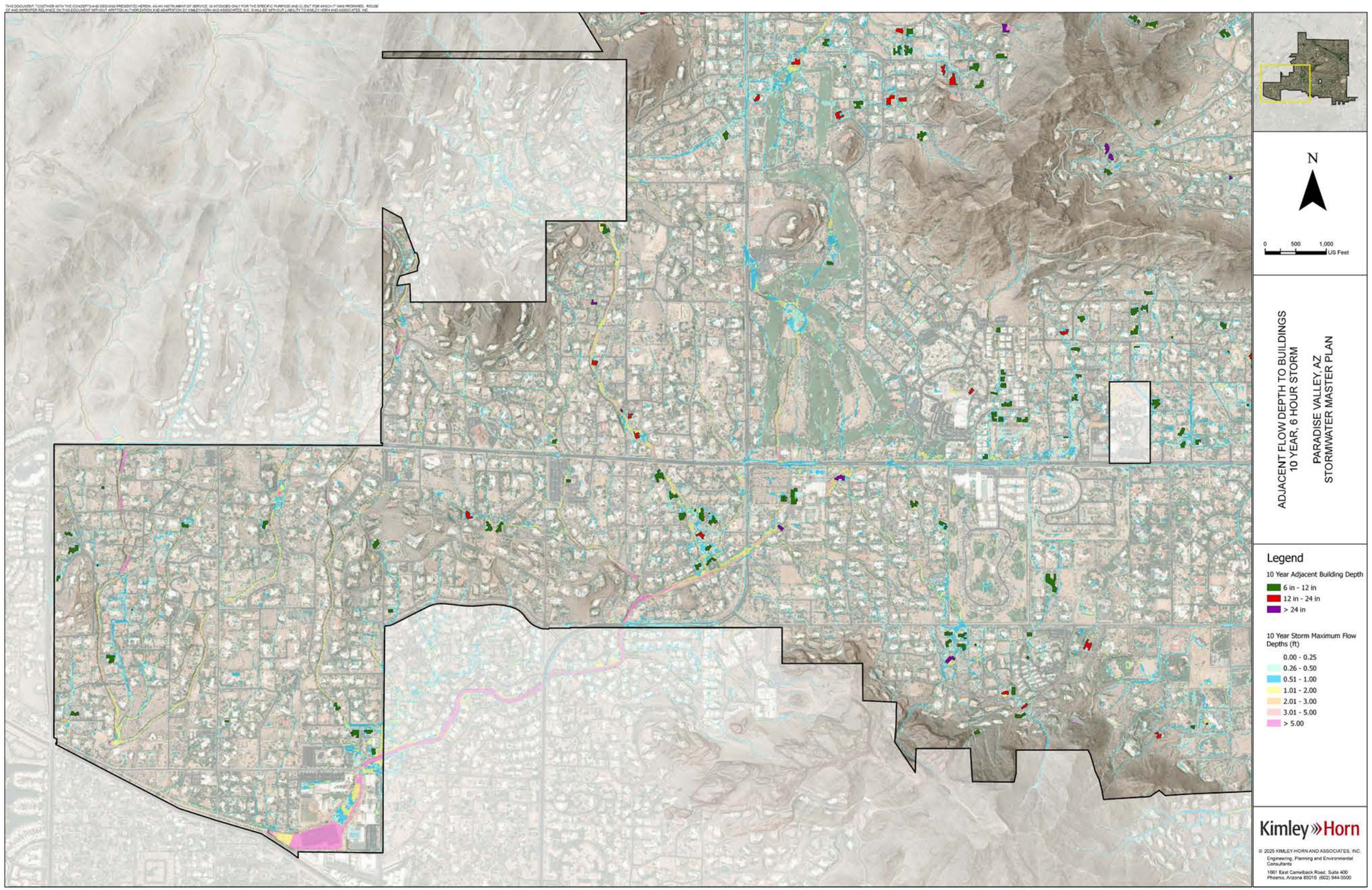
Phoenix, Arizona 85016 (602) 944-5500


N
0 500 1,000
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
10 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
10 Year Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
10 Year Storm Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 5.00
> 5.00
Kimley»Horn
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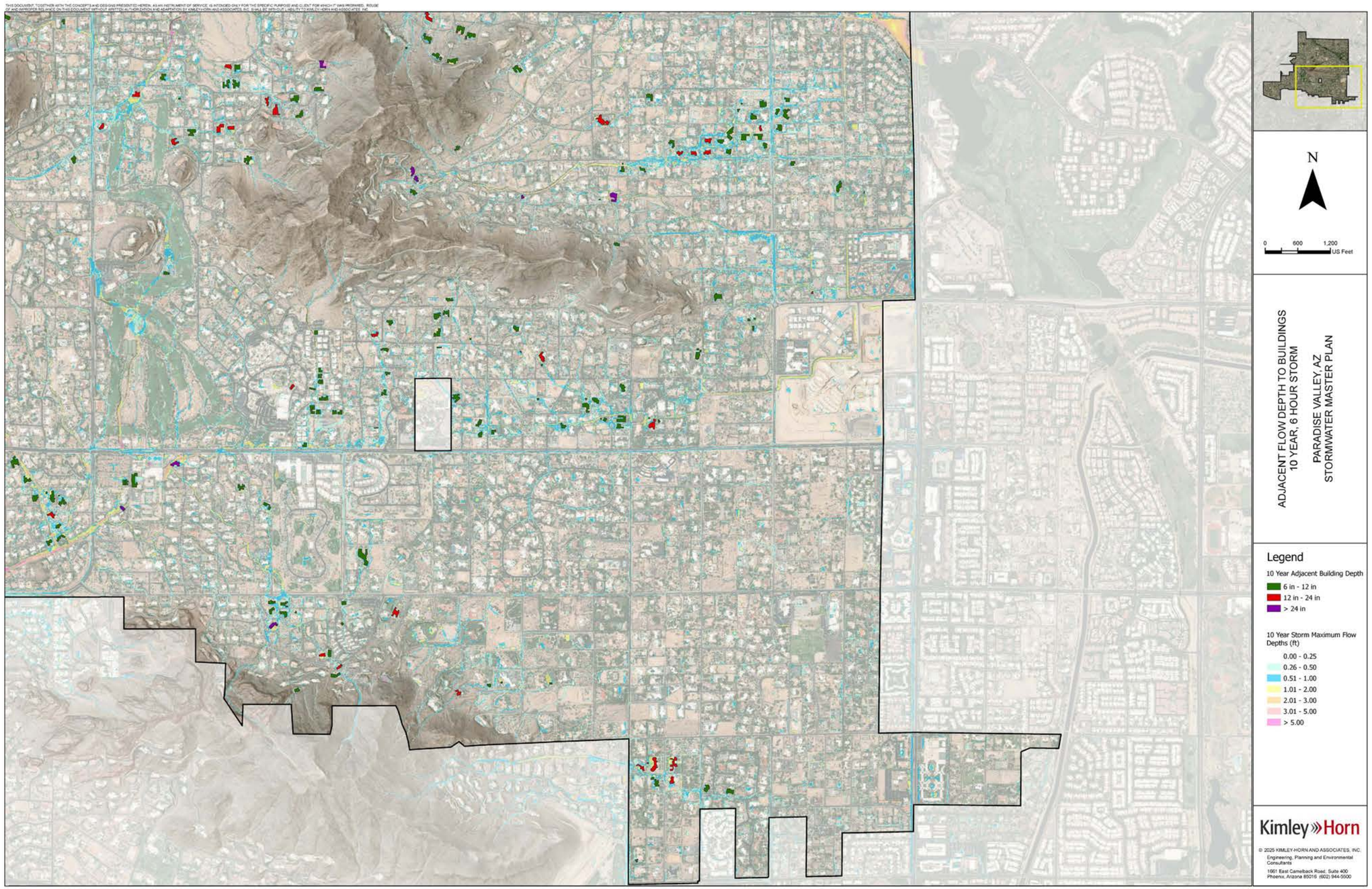
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500


N
0 600 1,200
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
10 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
10 Year Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
10 Year Storm Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 5.00
> 5.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
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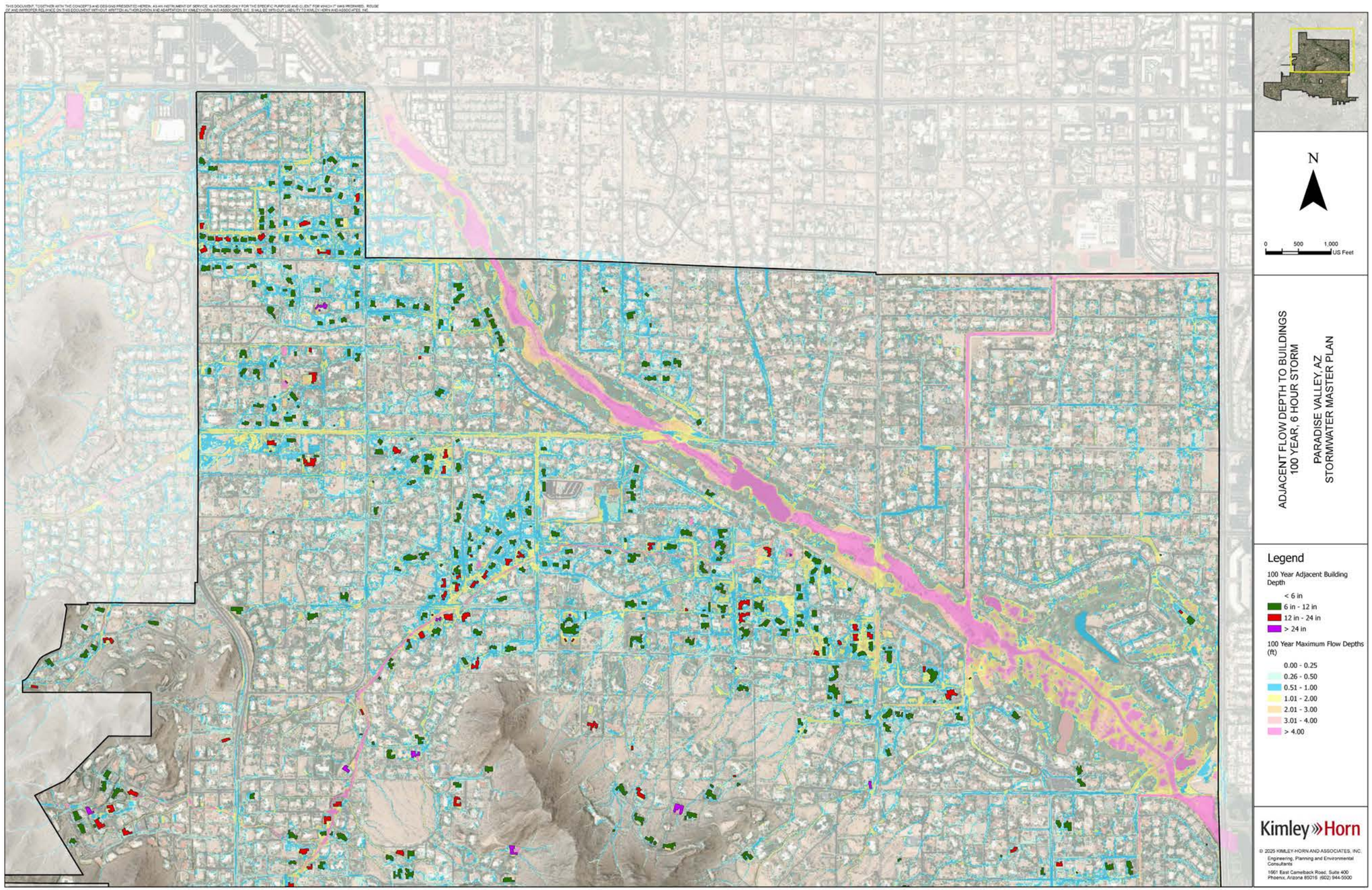
Phoenix, Arizona 85016 (602) 944-5500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US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
100 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
100 Year Adjacent Building Depth
< 6 in
6 in - 12 in
12 in - 24 in
> 24 in
100 Year Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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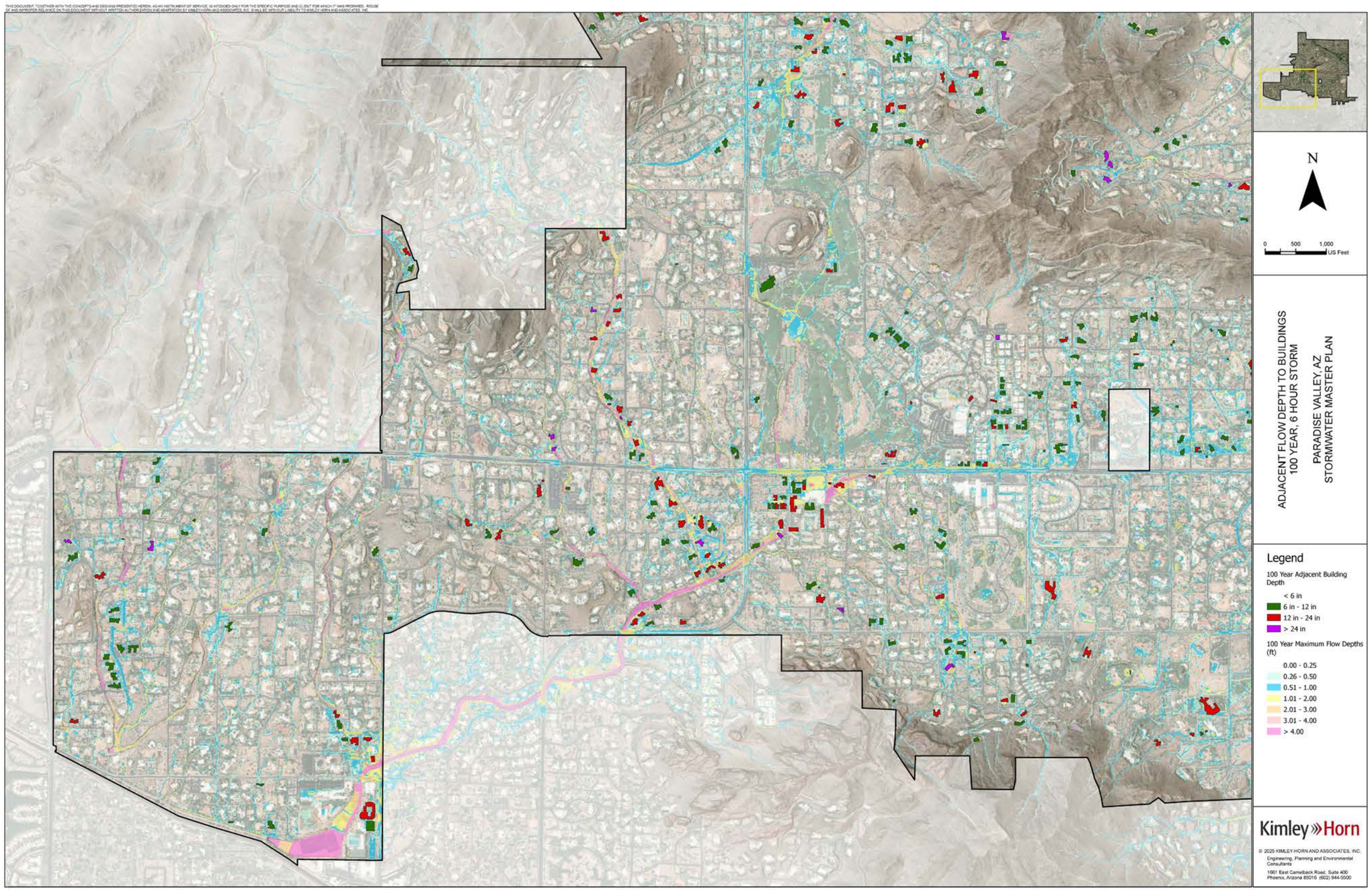
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500


N
0 500 1,000
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
100 YEAR, 6 HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
100 Year Adjacent Building Depth
< 6 in
6 in - 12 in
12 in - 24 in
> 24 in
100 Year Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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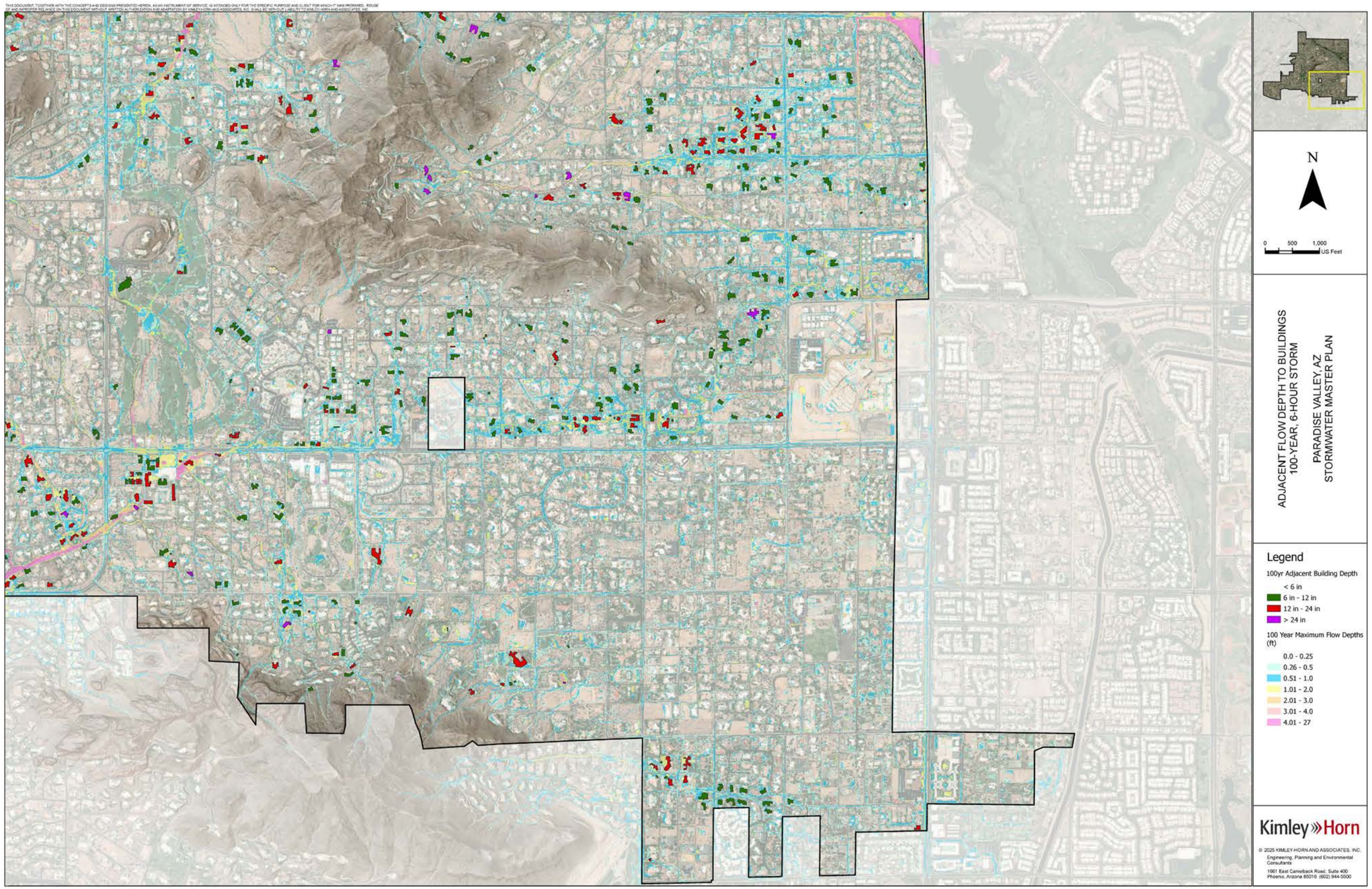
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500


N
0 500 1,000
US Feet
ADJACENT FLOW DEPTH TO BUILDINGS
100-YEAR, 6-HOUR STORM
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
100yr Adjacent Building Depth
< 6 in
6 in - 12 in
12 in - 24 in
> 24 in
100 Year Maximum Flow Depths (ft)
0.0 - 0.25
0.26 - 0.5
0.51 - 1.0
1.01 - 2.0
2.01 - 3.0
3.01 - 4.0
4.01 - 27
Kimley»Horn
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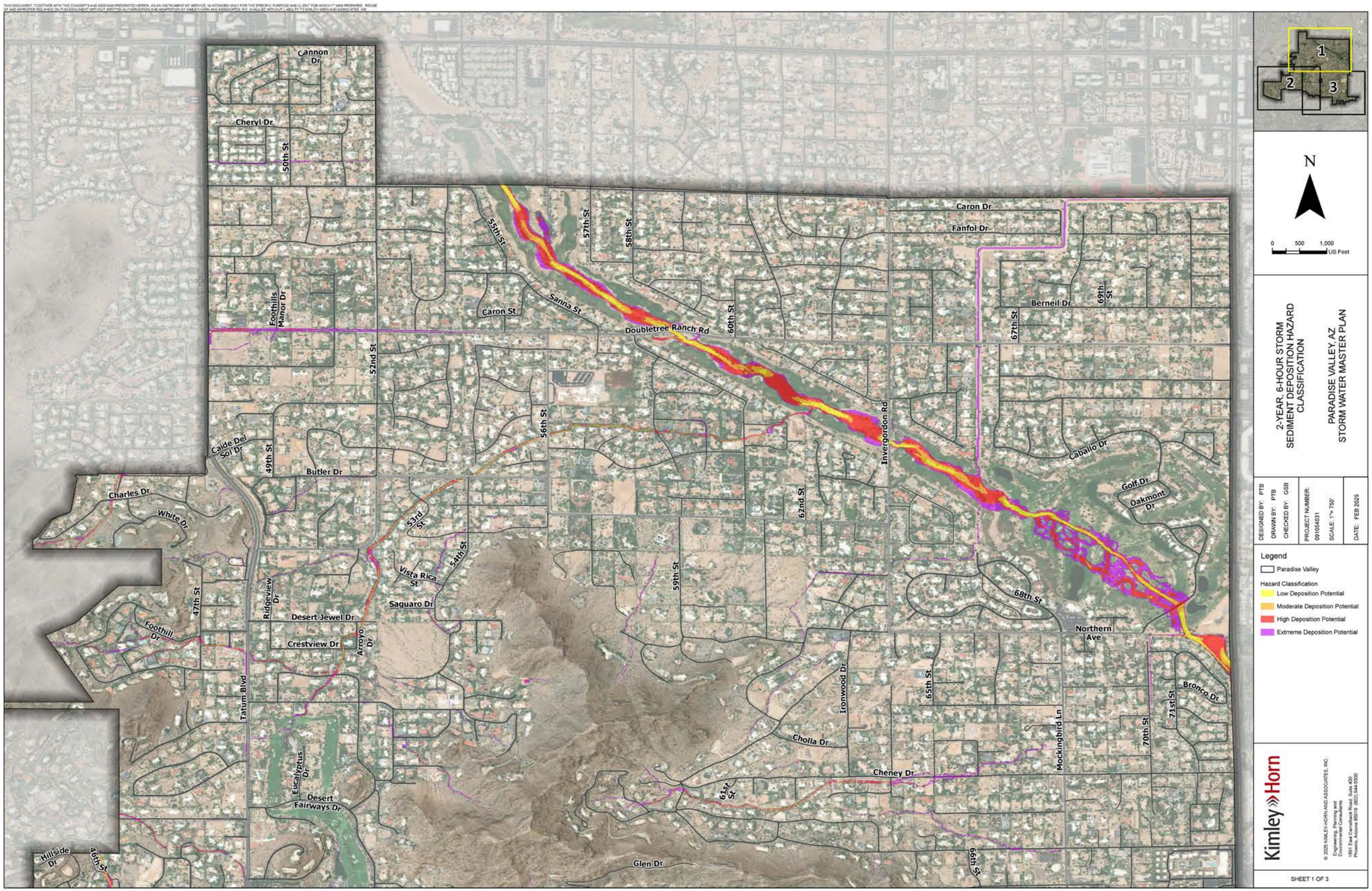
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

# XV. APPENDIX C – FLOOD HAZARD ANALYSIS

## SEDIMENT AND EROSION RISK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Cheryl Dr
50th St
Caron Dr
Fanfol Dr
55th St
57th St
58th St
Foothills Manor Dr
Caron St
Sanna St
Doubletree Ranch Rd
60th St
Berneil Dr
69th St
67th St
52nd St
56th St
Invergordon Rd
Caballo Dr
Caide Del Sol Dr
49th St
Butler Dr
Golf Dr
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2-YEAR, 6-HOUR STORM
SEDIMENT DEPOSITION HAZARD
CLASSIFICATION
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER: 091054031
SCALE: 1"= 750'
DATE: FEB 2025
Legend
Paradise Valley
Hazard Classification
Low Deposition Potential
Moderate Deposition Potential
High Deposition Potential
Extreme Deposition Potential
Kimley»Horn
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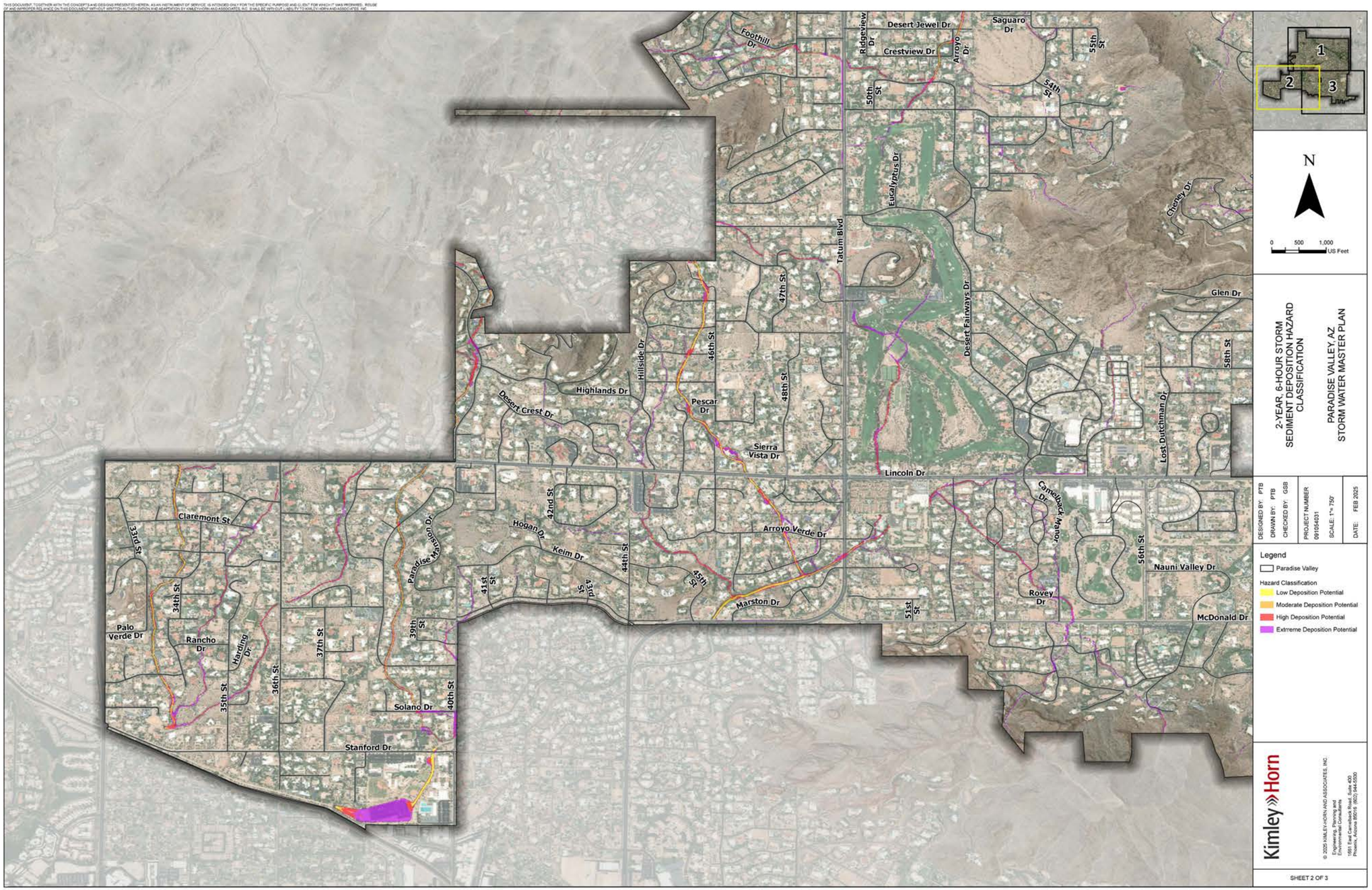
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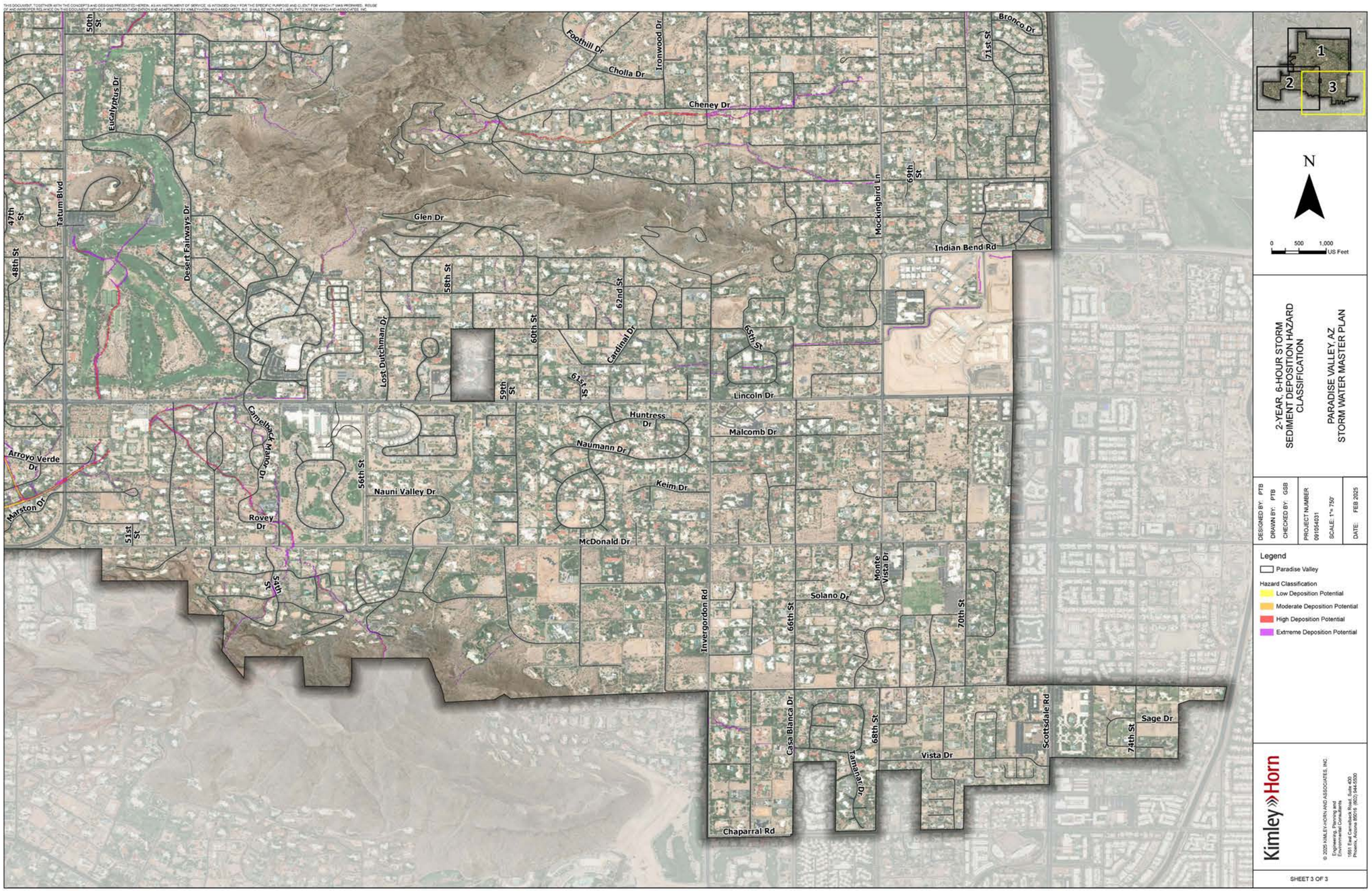
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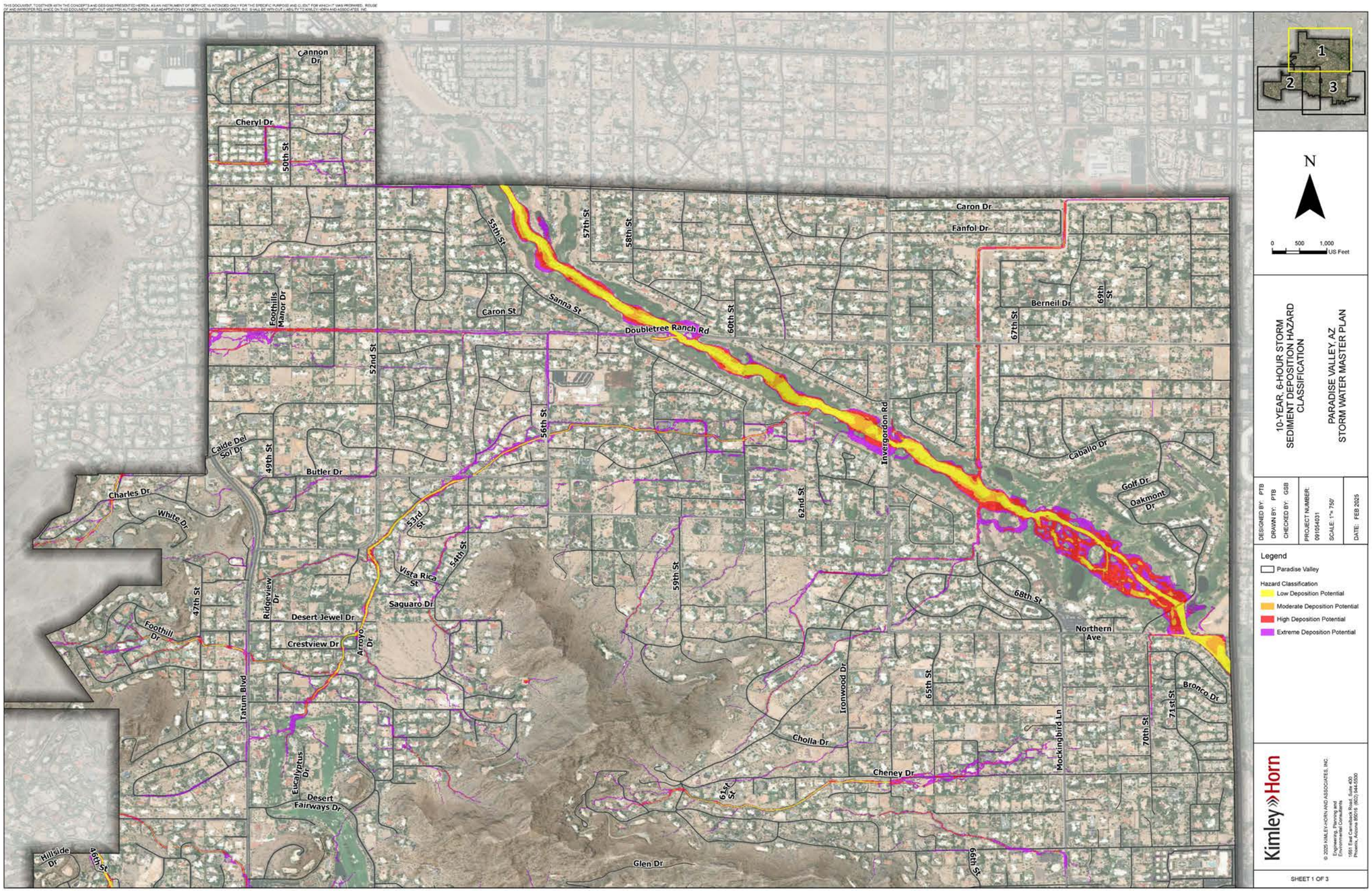
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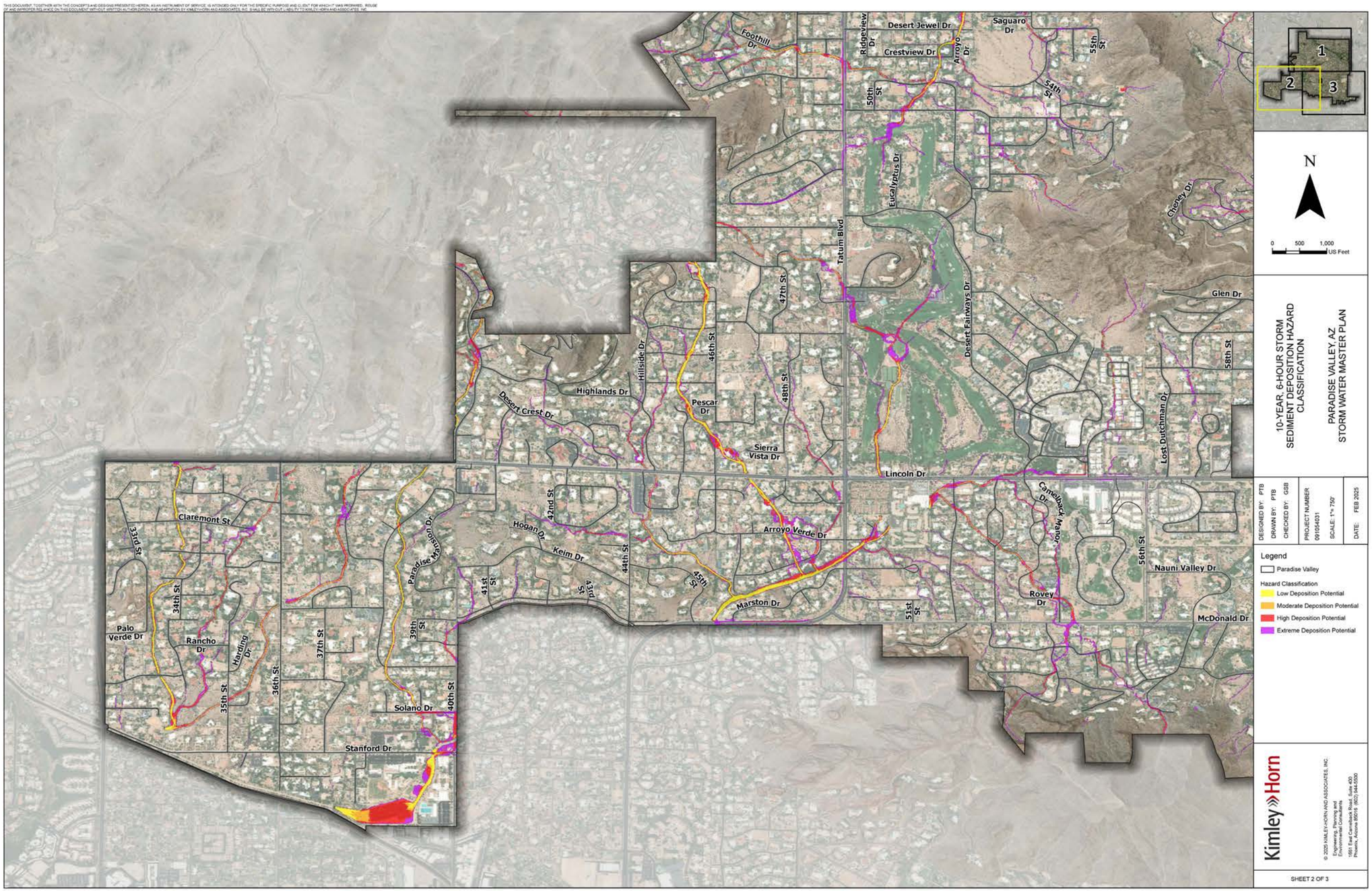
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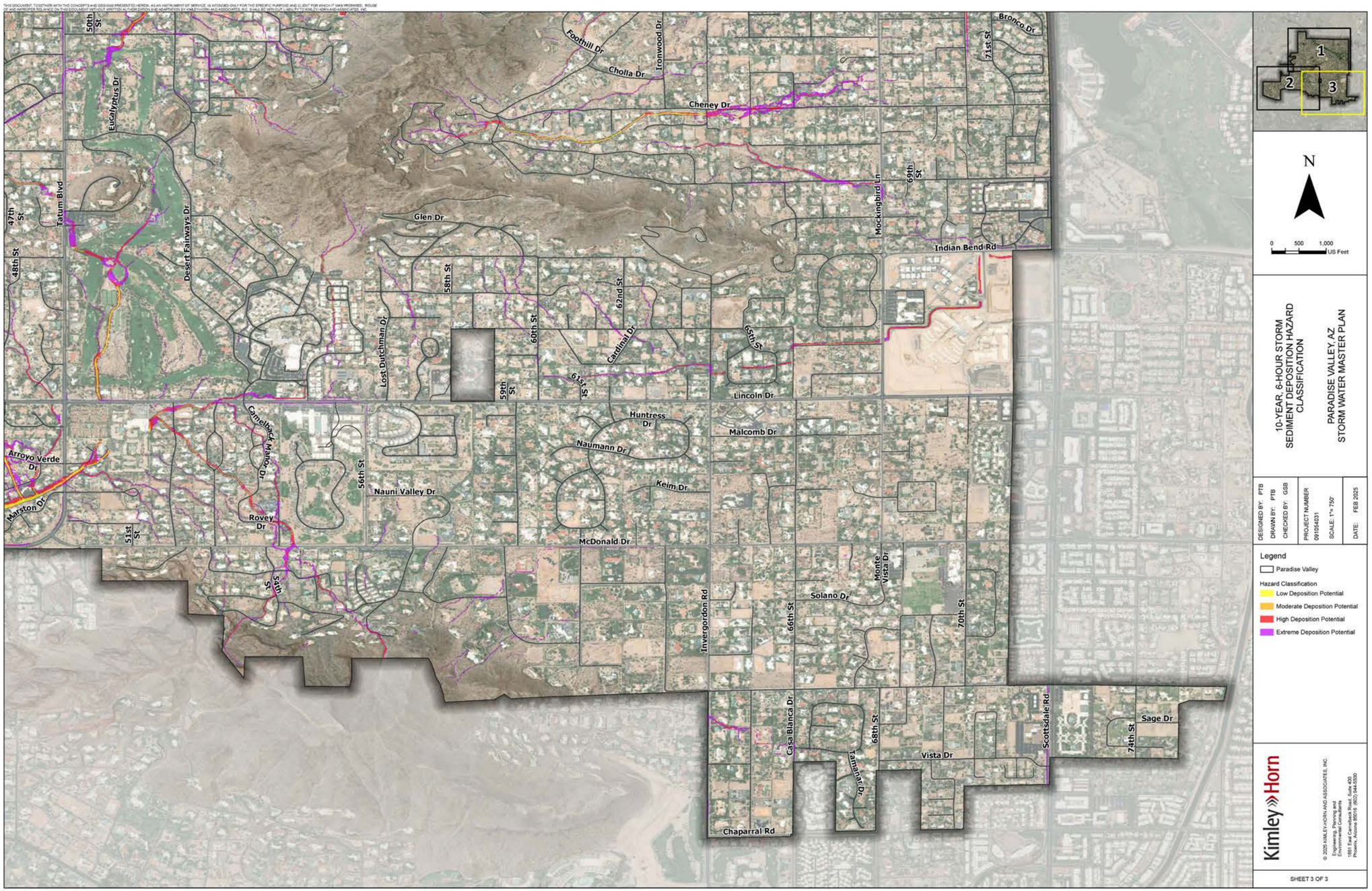
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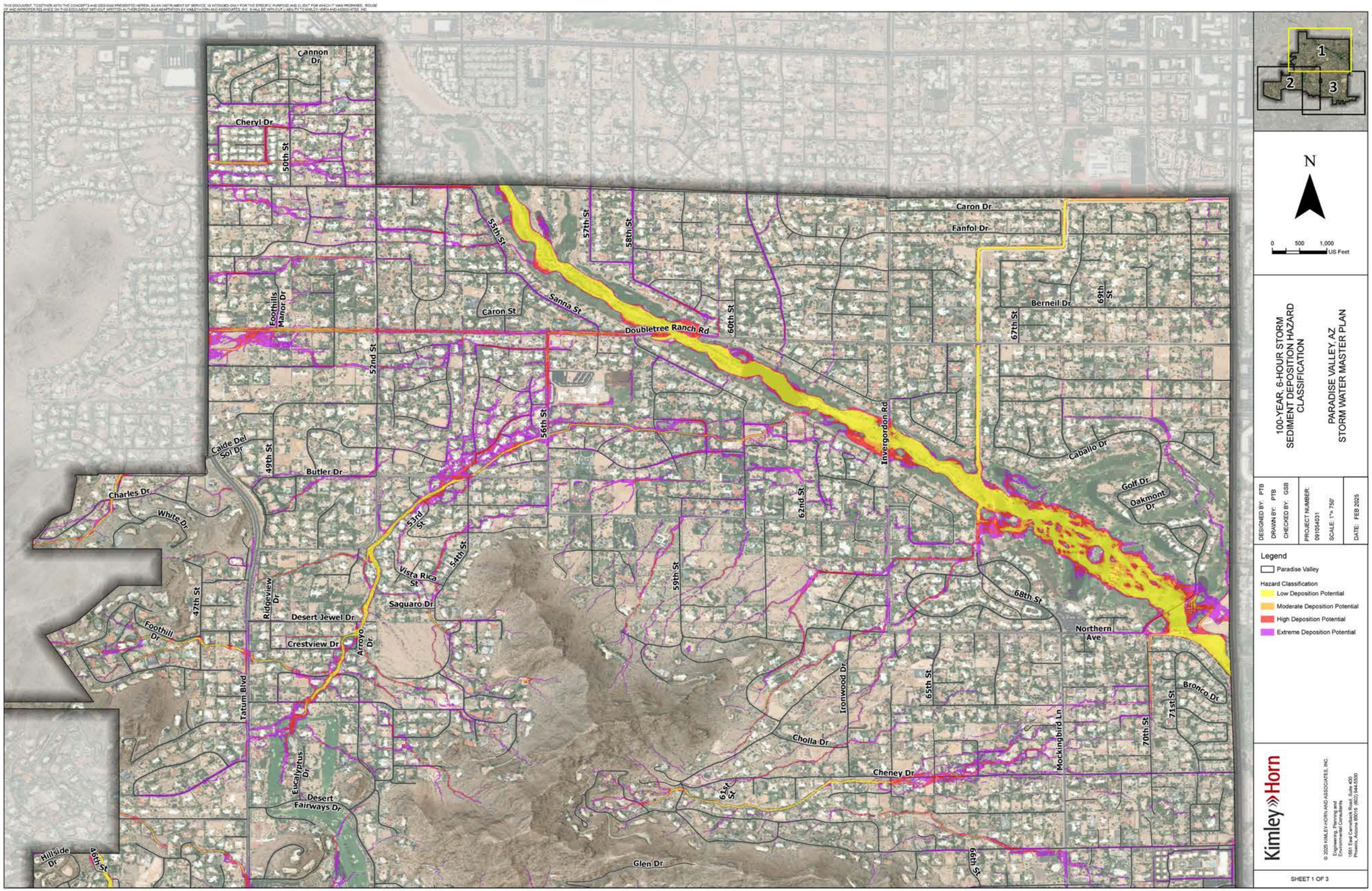
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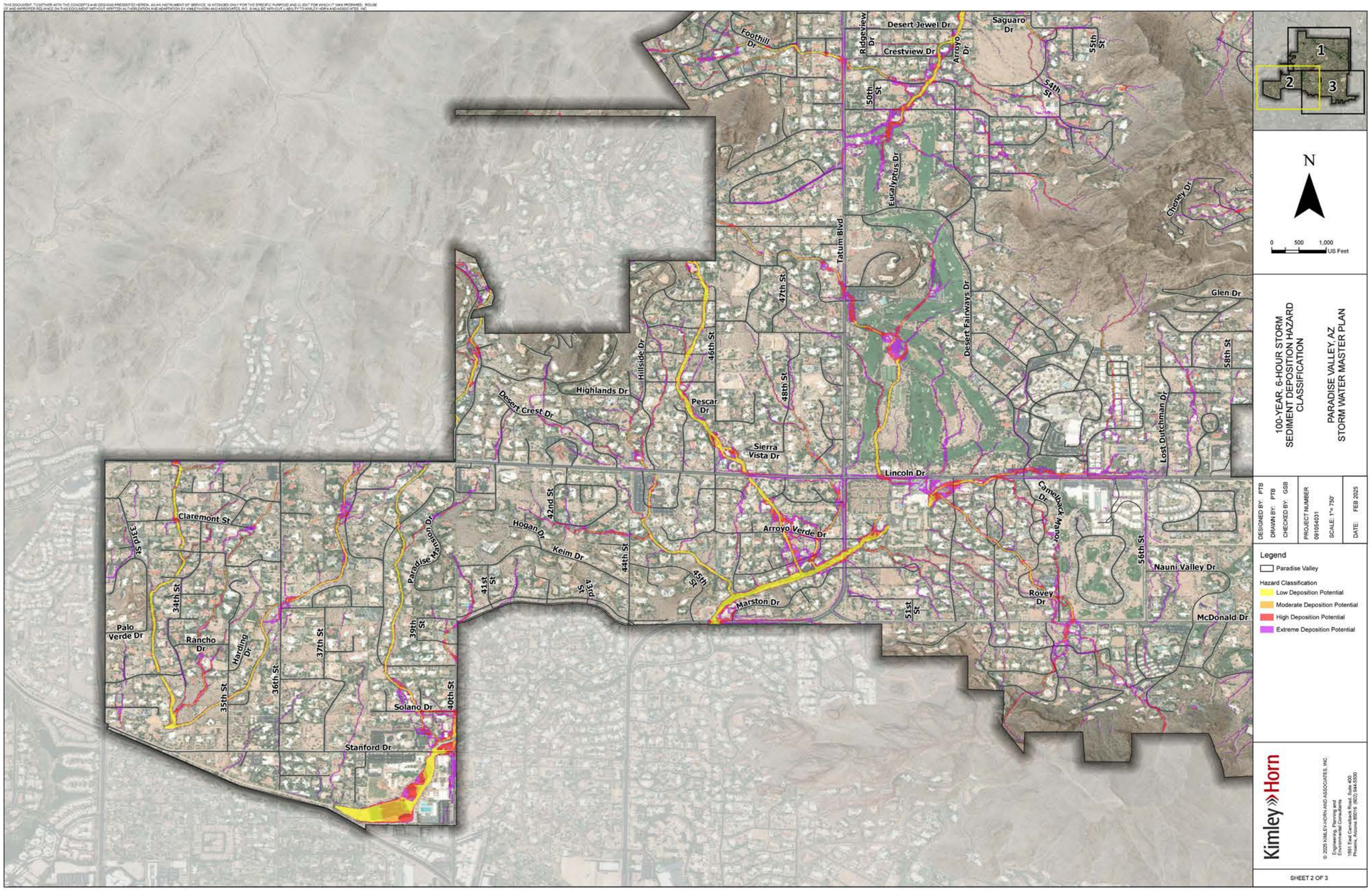
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100-YEAR, 6-HOUR STORM
SEDIMENT DEPOSITION HAZARD
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STORM WATER MASTER PLAN
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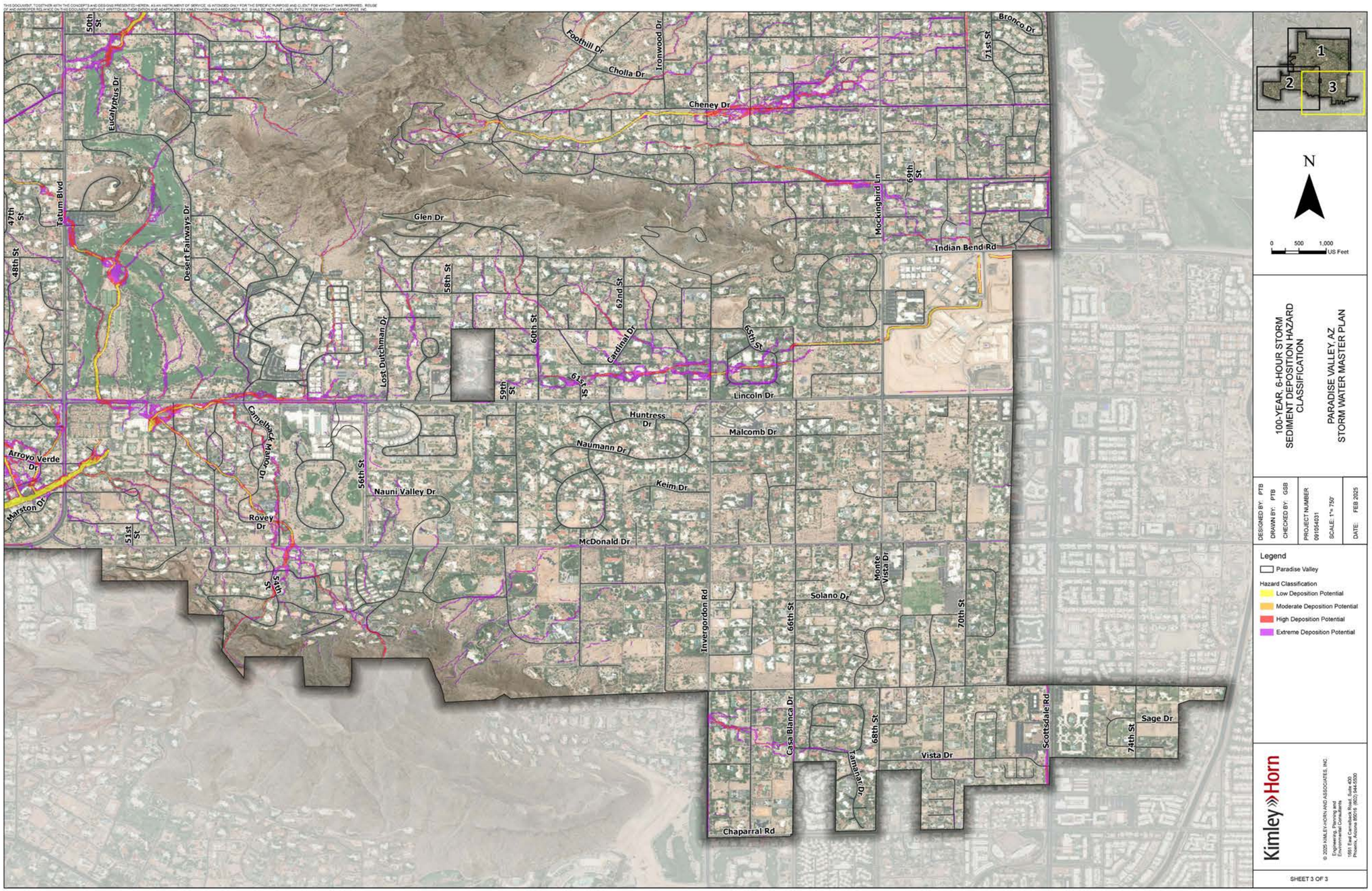
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100-YEAR, 6-HOUR STORM
SEDIMENT DEPOSITION HAZARD
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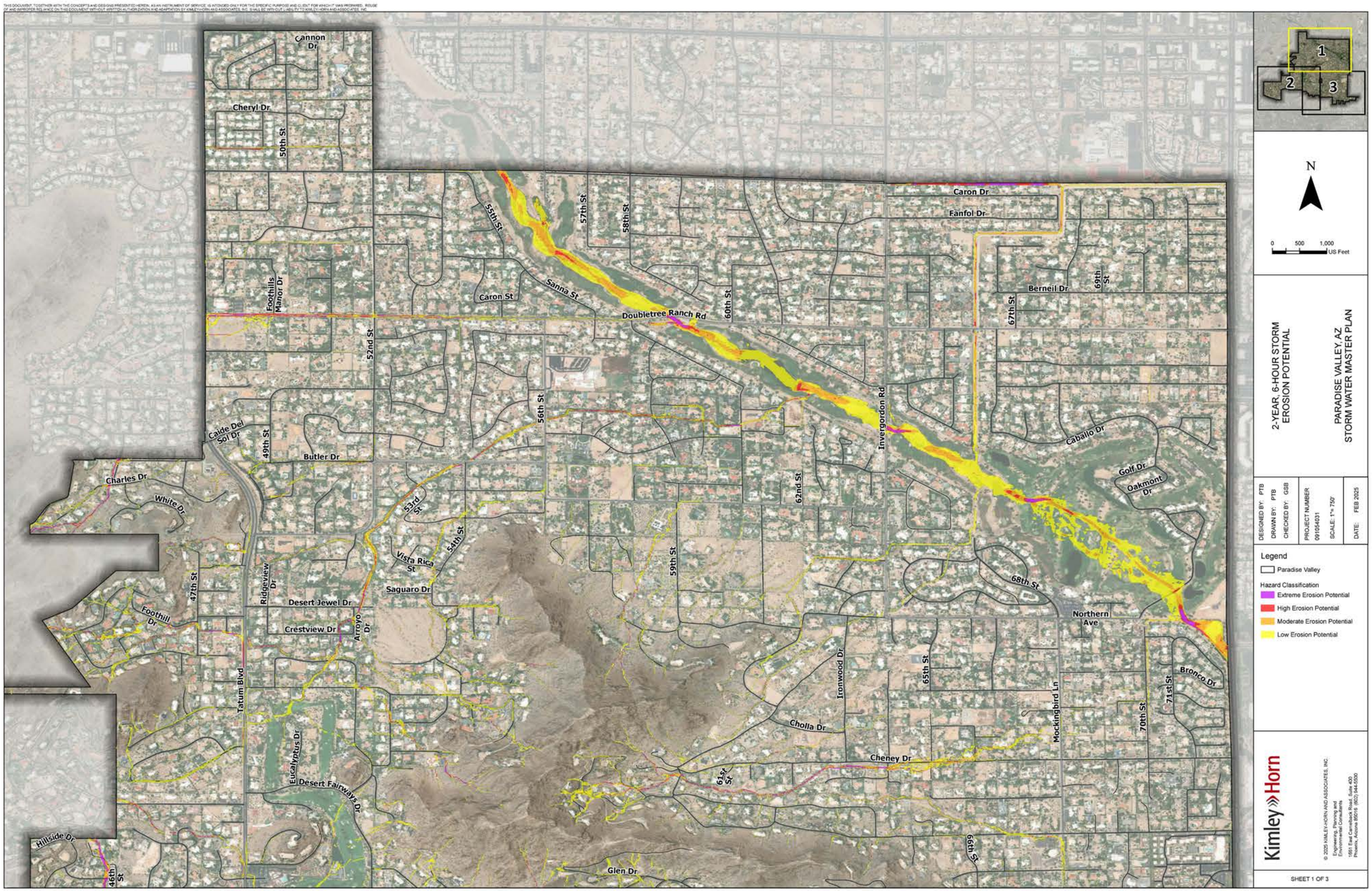
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2-YEAR, 6-HOUR STORM
EROSION POTENTIAL
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STORM WATER MASTER PLAN
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Extreme Erosion Potential
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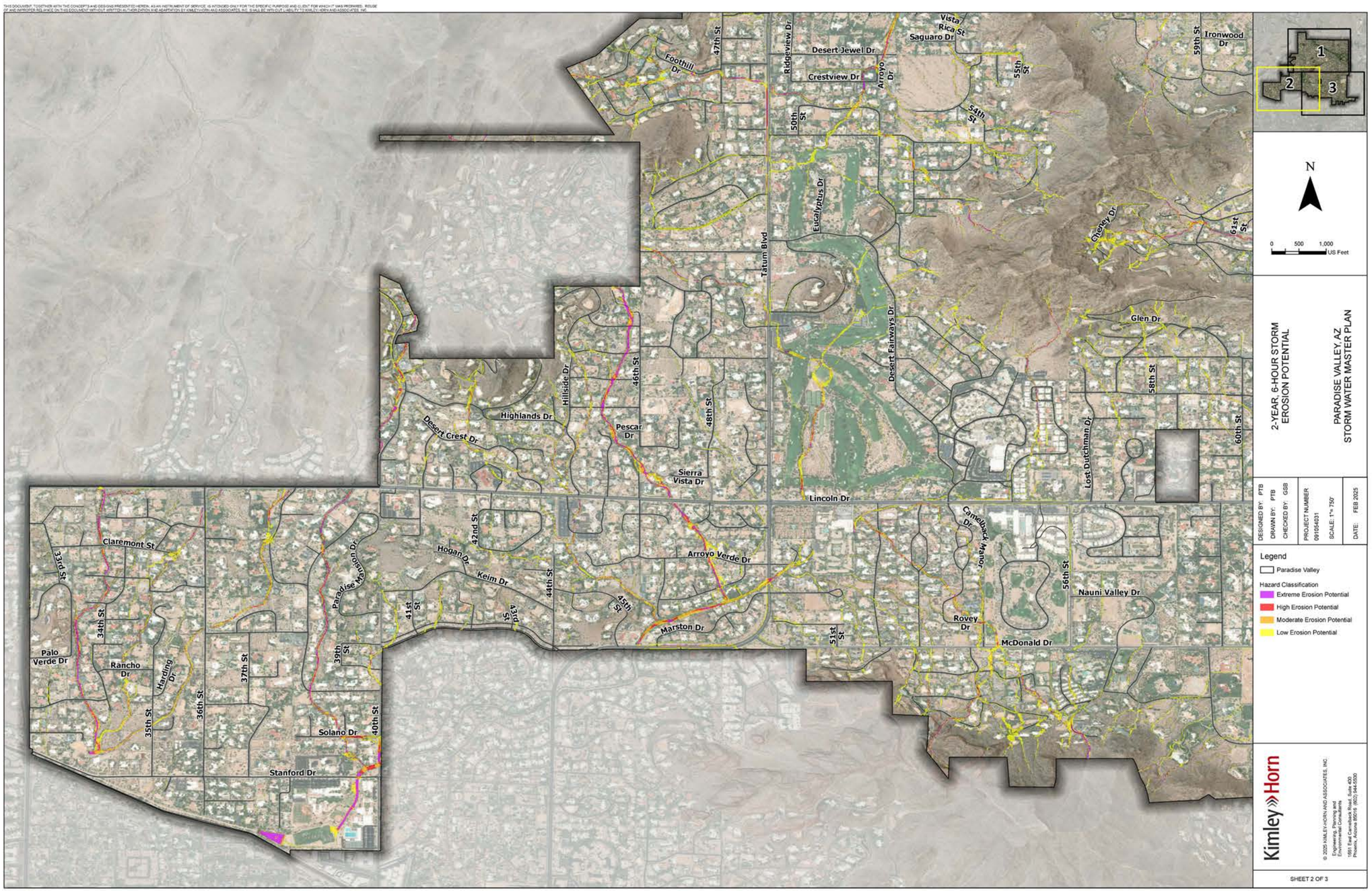
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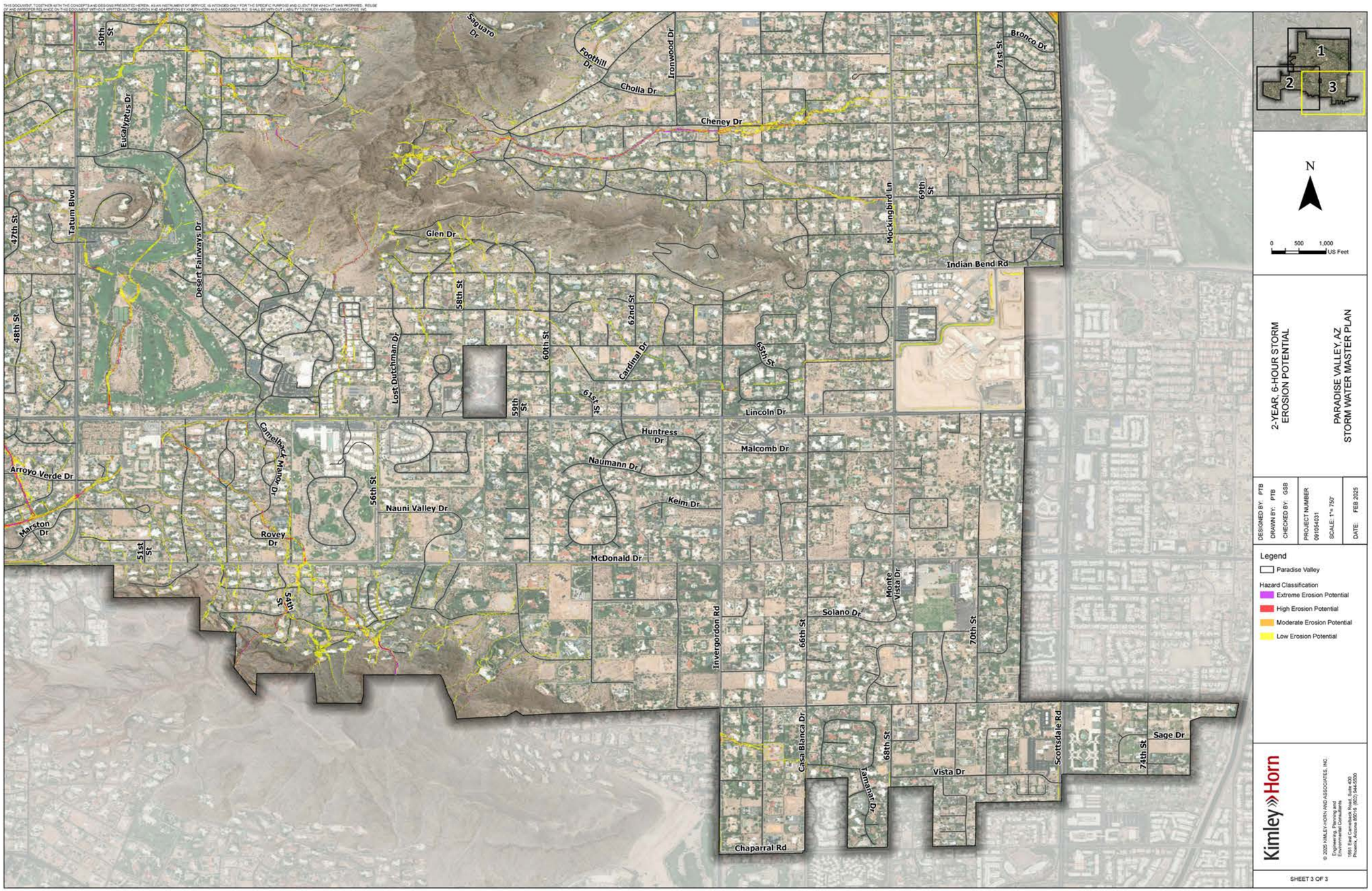
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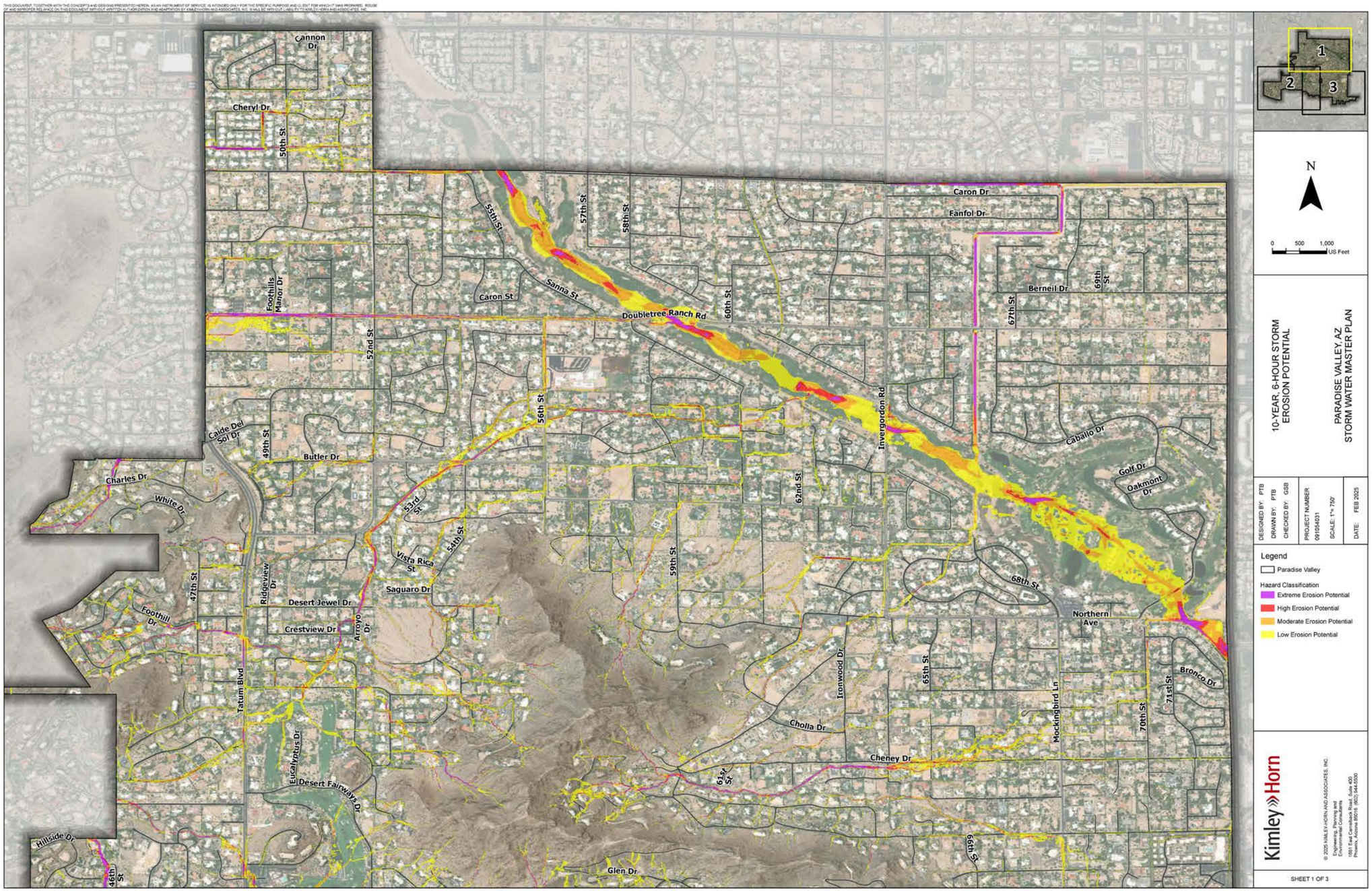
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Golf Dr
Oakmont Dr
Vista Rica St
Saguaro Dr
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Desert Jewel Dr
Foothill Dr
Crestview Dr
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10-YEAR, 6-HOUR STORM
EROSION POTENTIAL
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER
091054031
SCALE: 1"= 750'
DATE: FEB 2025
Legend
Paradise Valley
Hazard Classification
Extreme Erosion Potential
High Erosion Potential
Moderate Erosion Potential
Low Erosion Potential
Kimley»Horn
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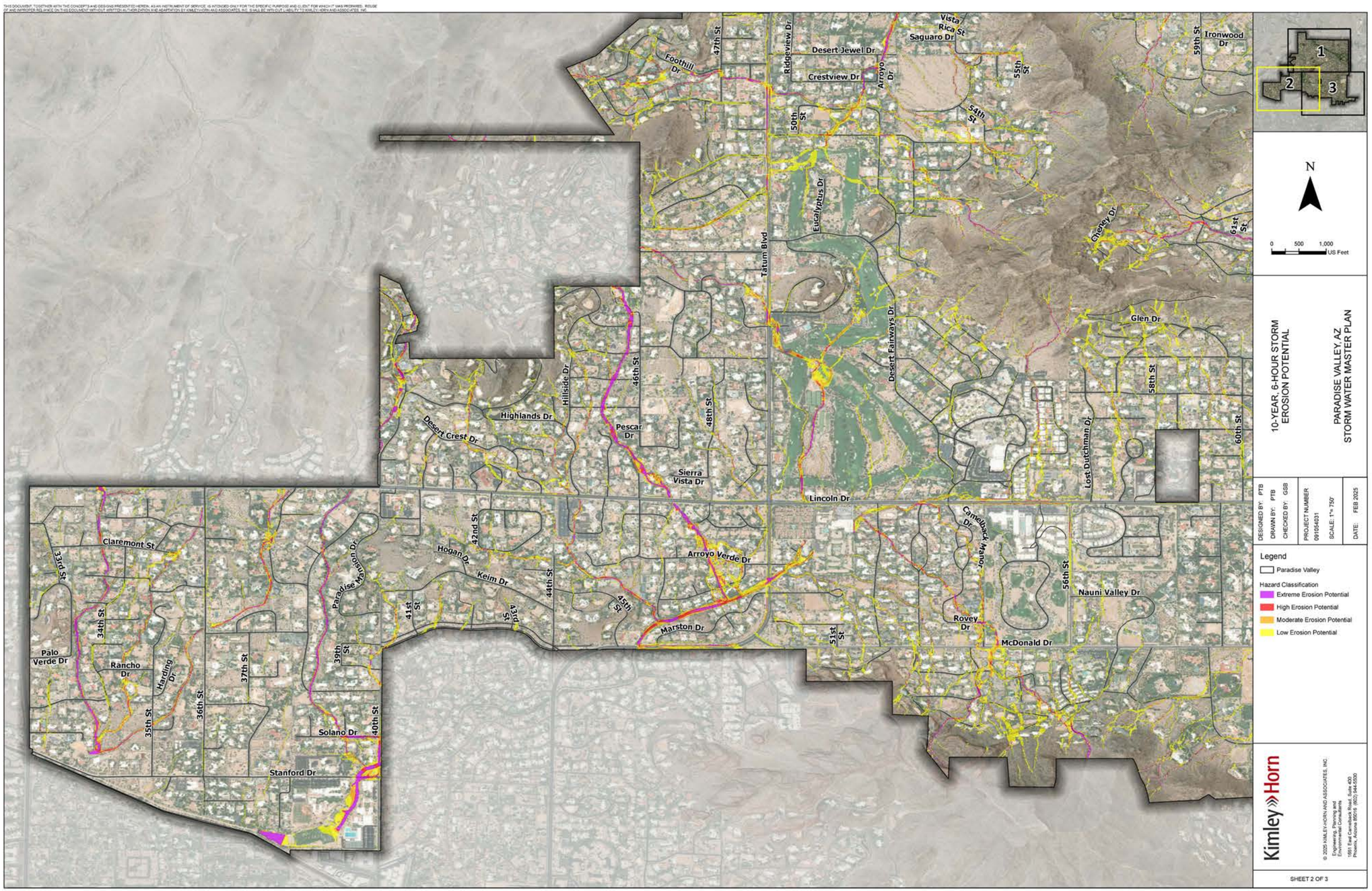
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10-YEAR, 6-HOUR STORM
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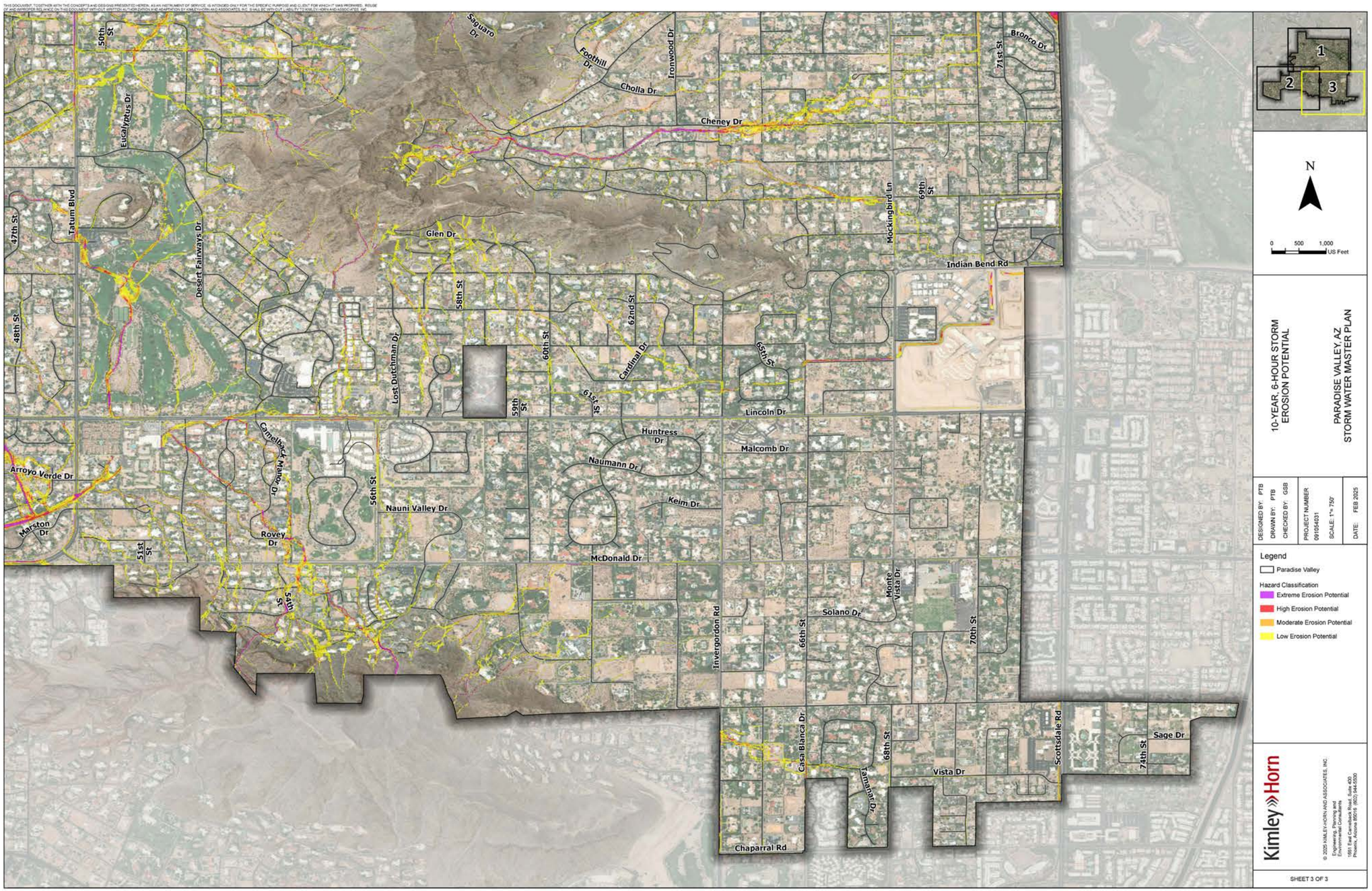
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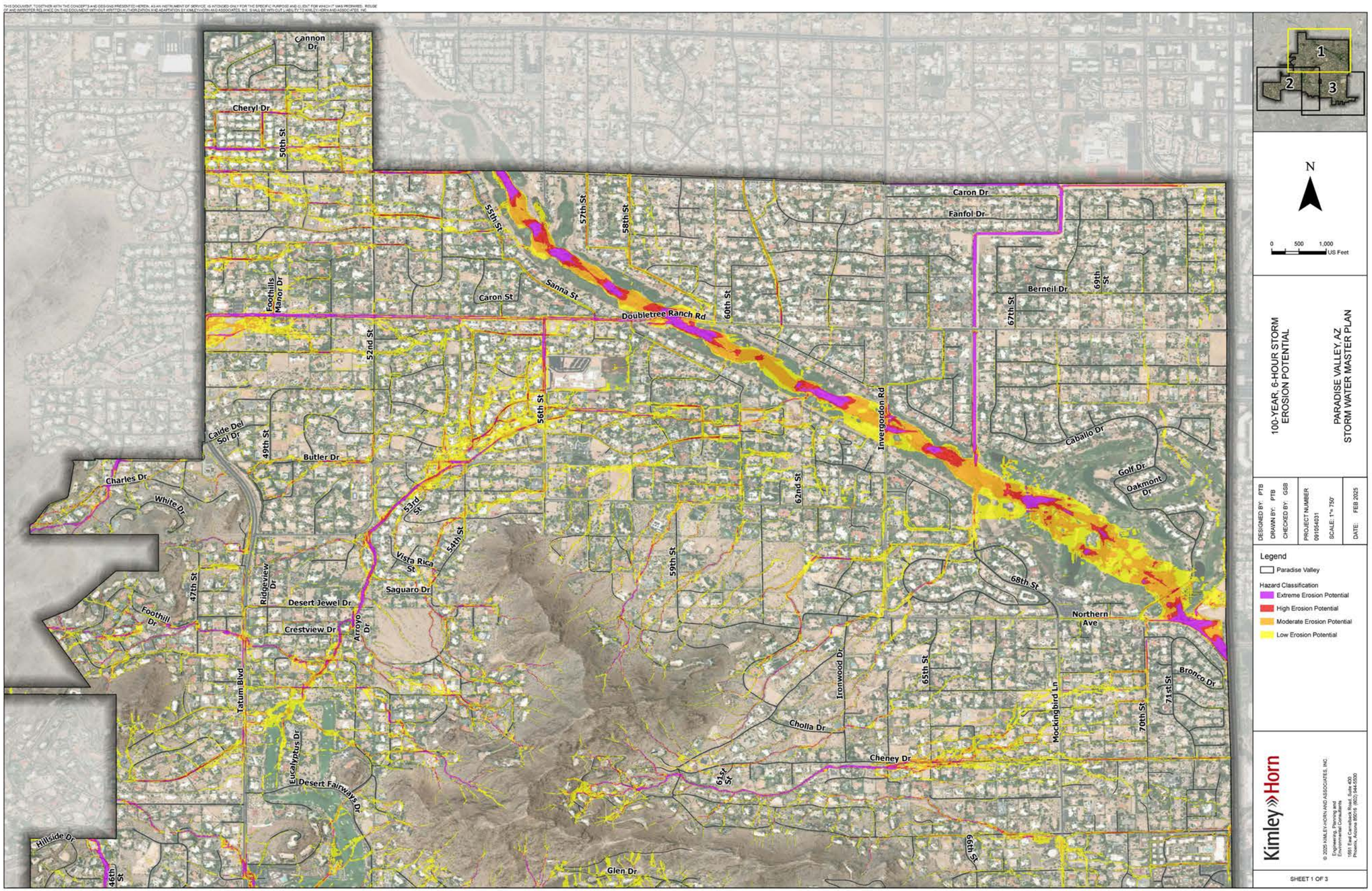
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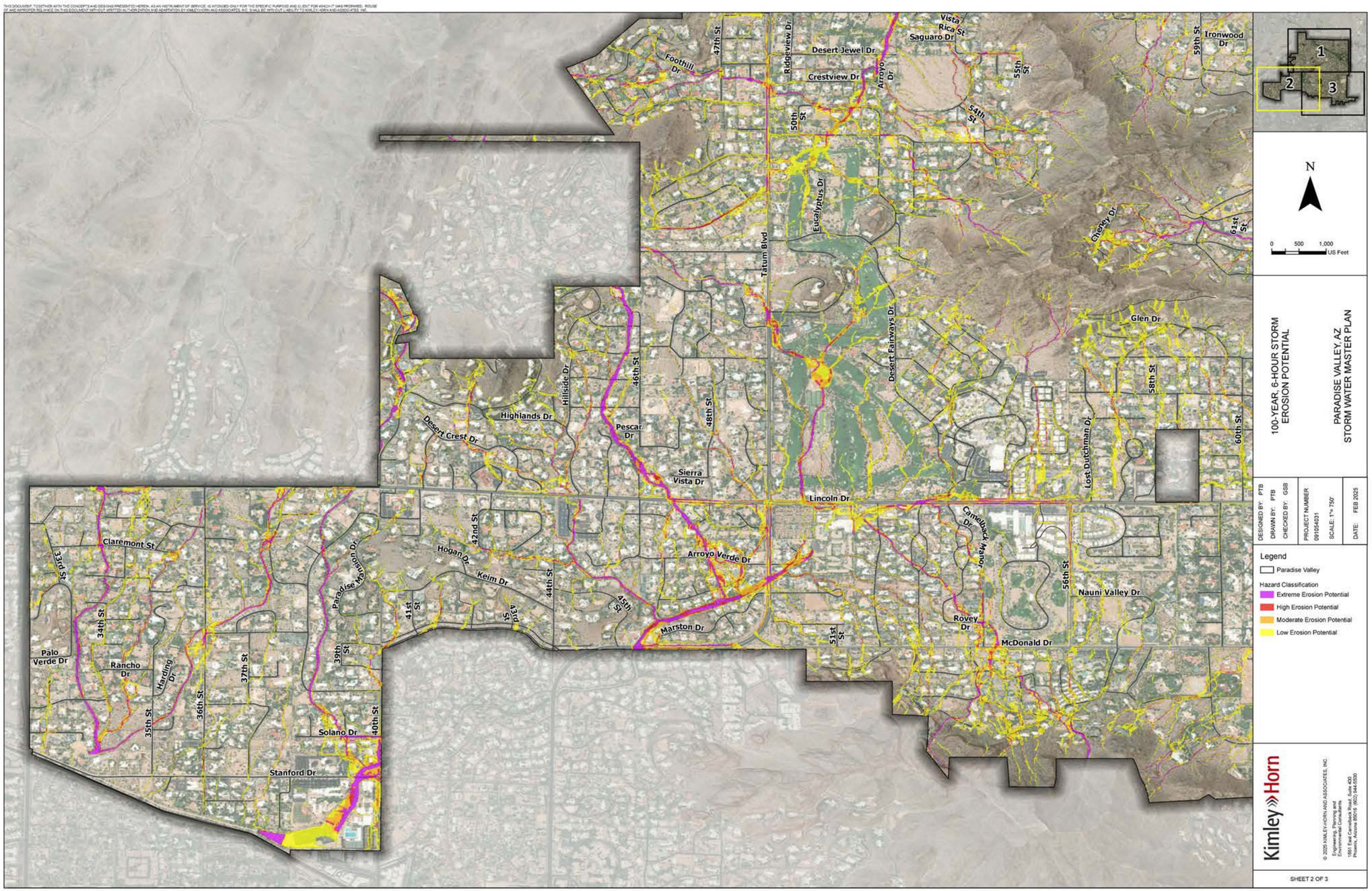
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Keim Dr
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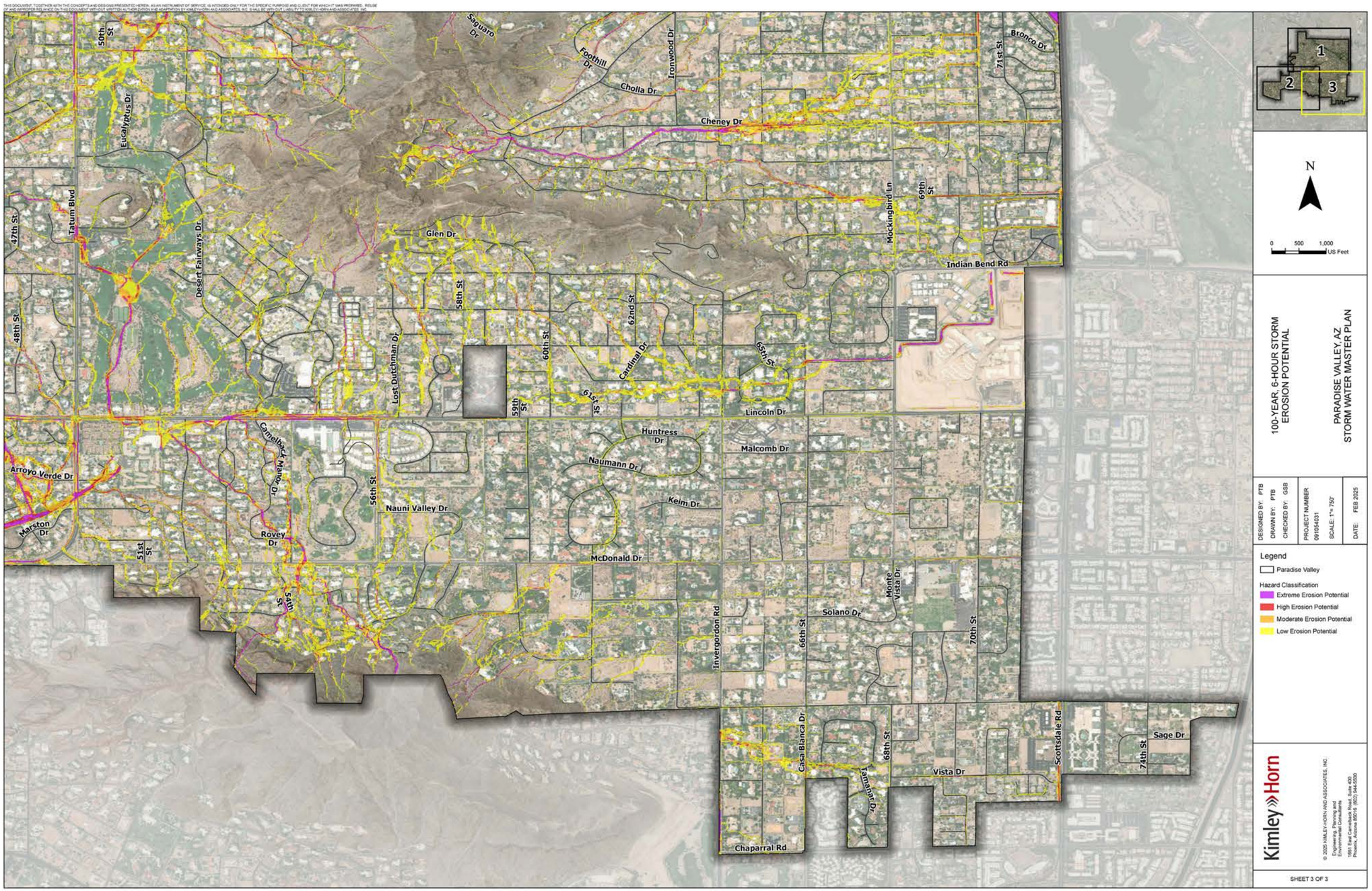
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Solano Dr
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Casa Blanca Dr
68th St
Tamarisk Dr
Vista Dr
Scottsdale Rd
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Sage Dr
Chaparral Rd
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# XV. APPENDIX C – FLOOD HAZARD ANALYSIS

## PASSENGER VEHICLE RISK

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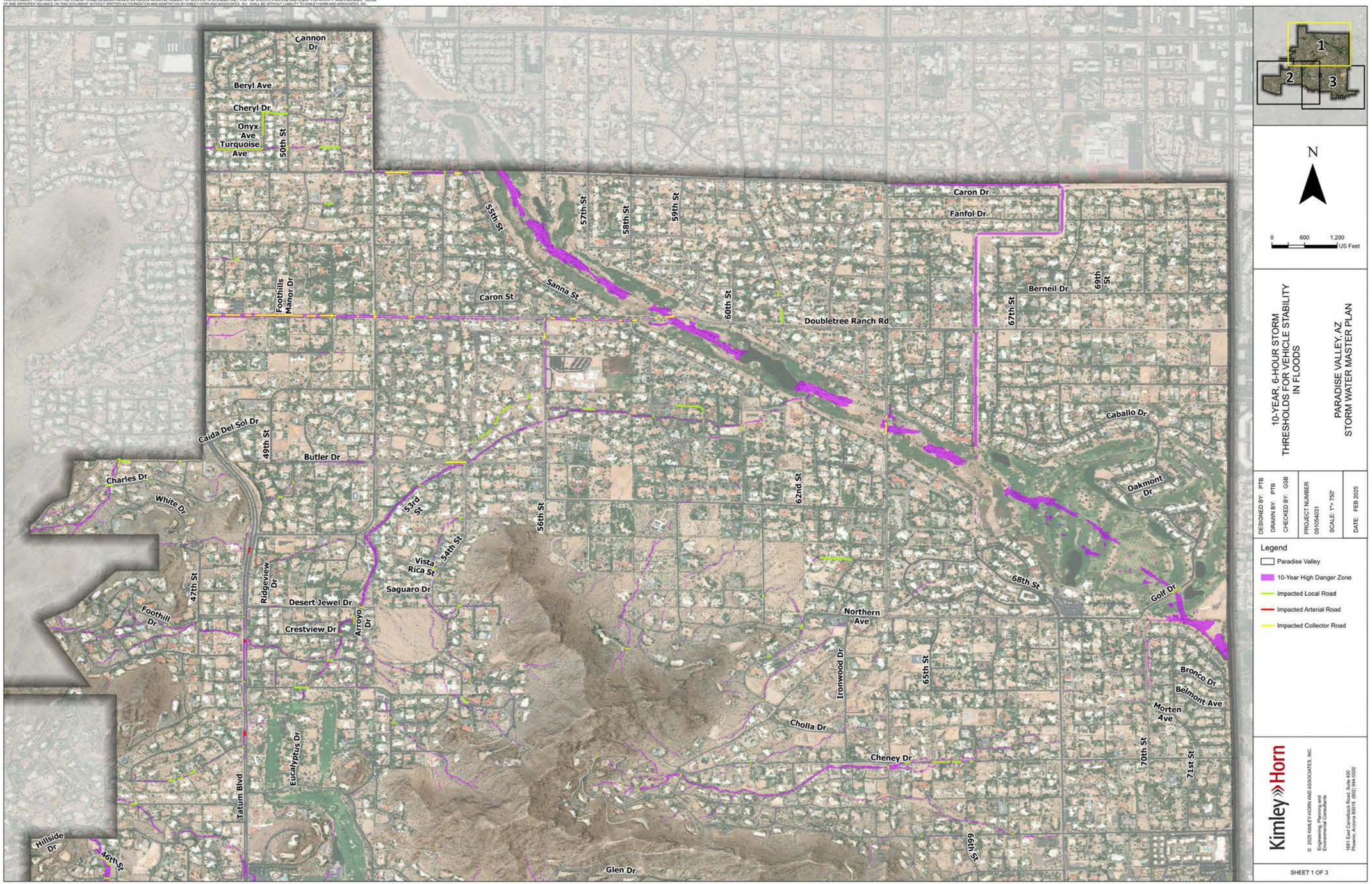

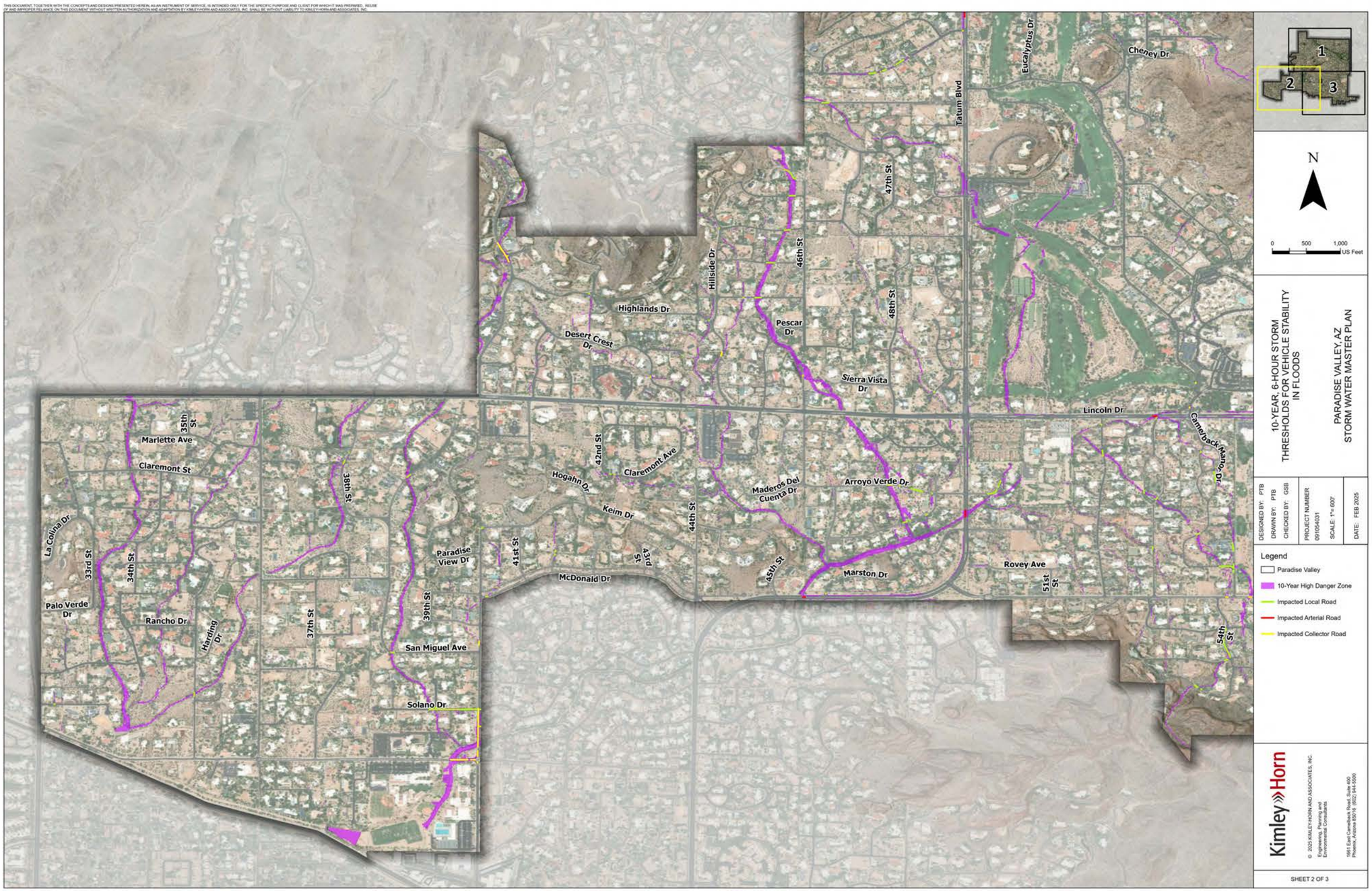
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Lincoln Dr
Camelback Manor Dr
Arroyo Verde Dr
Maderos Del Cuenta Dr
Marston Dr
Rovey Ave
51st St
54th St
45th St
44th St
43rd St
42nd St
41st St
Claremont Ave
Hogahn Dr
Keim Dr
McDonald Dr
Paradise View Dr
39th St
38th St
37th St
35th St
Marlette Ave
Claremont St
33rd St
34th St
La Colina Dr
Palo Verde Dr
Rancho Dr
Harding Dr
San Miguel Ave
Solano Dr
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1,000
US Feet
10-YEAR, 6-HOUR STORM
THRESHOLDS FOR VEHICLE STABILITY
IN FLOODS
PARADISE VALLEY, AZ
STORM WATER MASTER PLAN
DESIGNED BY: PTB
DRAWN BY: PTB
CHECKED BY: GSB
PROJECT NUMBER
091054031
SCALE: 1"= 600'
DATE: FEB 2025
Legend
Paradise Valley
10-Year High Danger Zone
Impacted Local Road
Impacted Arterial Road
Impacted Collector Road
Kimley»Horn
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Engineering, Planning and
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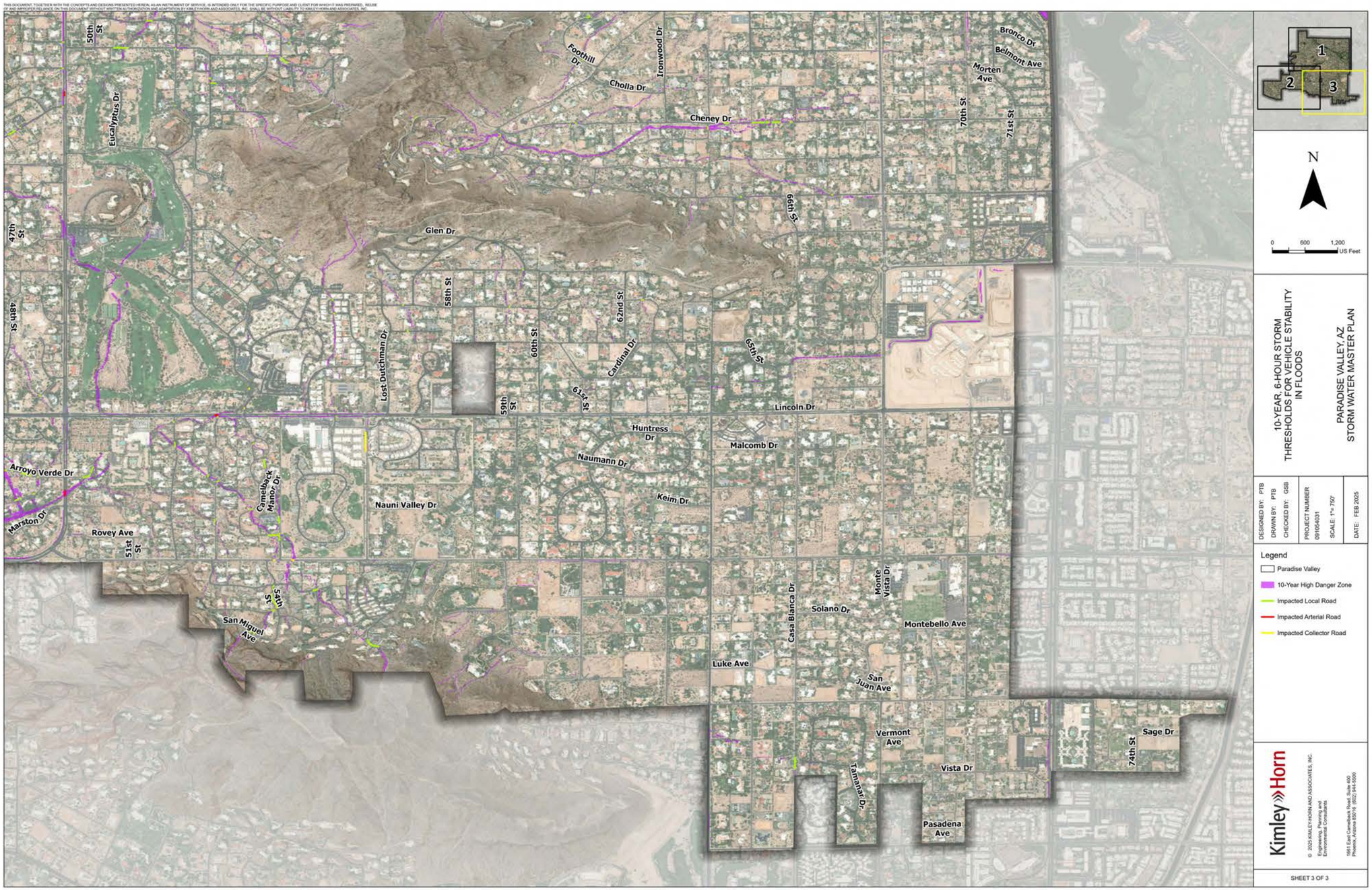
Phoenix, Arizona 85016 (602) 944-5500
SHEET 2 OF 3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50th St
Eucalyptus Dr
Foothill Dr
Cholla Dr
Tronwood Dr
Cheney Dr
Bronco Dr
Belmont Ave
Morten Ave
70th St
71st St
47th St
48th St
Glen Dr
66th St
58th St
62nd St
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Cardinal Dr
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Lost Dutchman Dr
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Lincoln Dr
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Malcomb Dr
Naumann Dr
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Arroyo Verde Dr
Marston Dr
Camelback Manor Dr
Nauni Valley Dr
Rovey Ave
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San Miguel Ave
Casa Blanca Dr
Solano Dr
Monte Vista Dr
Montebello Ave
Luke Ave
San Juan Ave
Vermont Ave
Vista Dr
Tamanar Dr
Pasadena Ave
74th St
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US Feet
10-YEAR, 6-HOUR STORM
THRESHOLDS FOR VEHICLE STABILITY
IN FLOODS
PARADISE VALLEY, AZ
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Impacted Arterial Road
Impacted Collector Road
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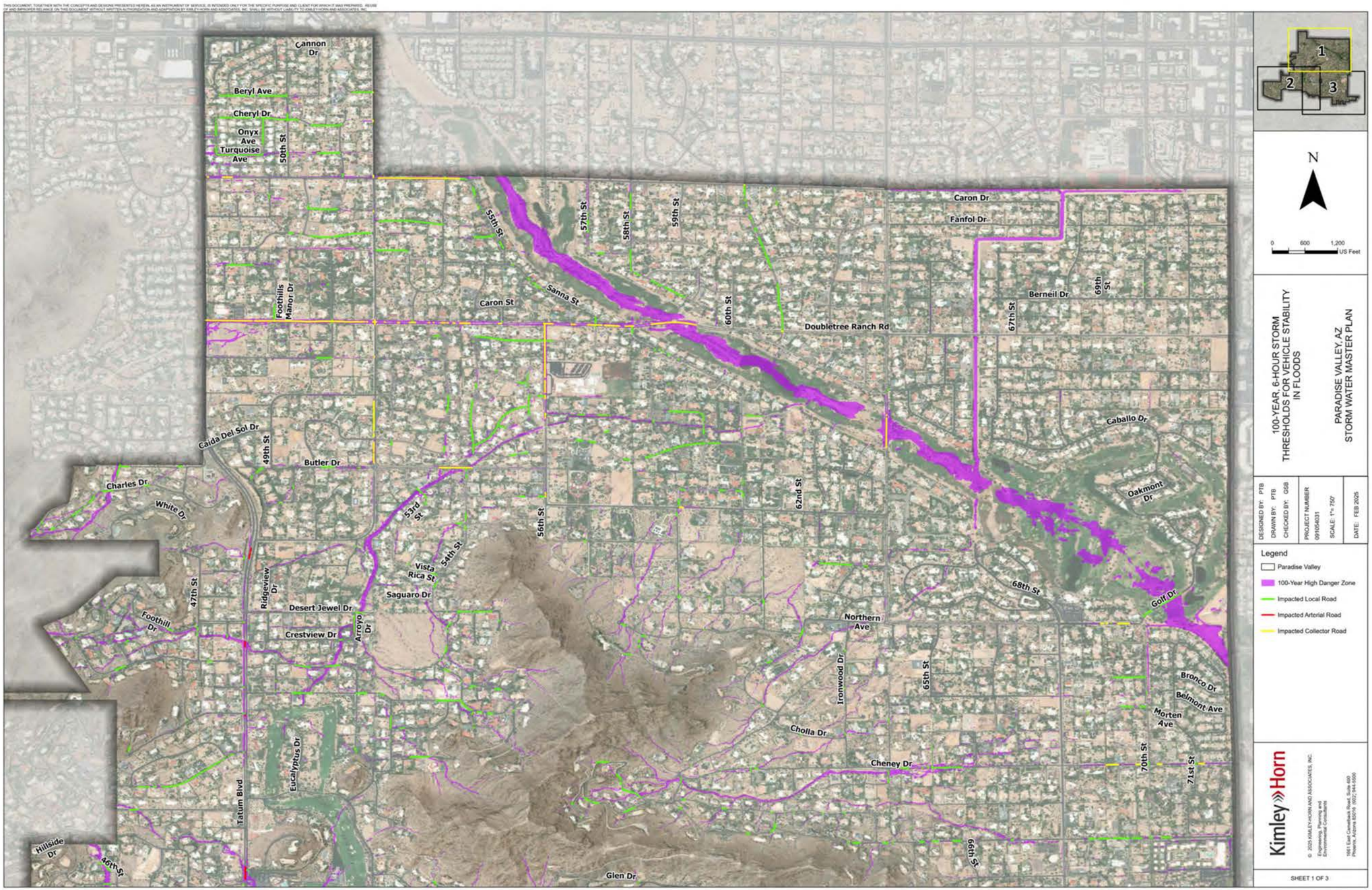
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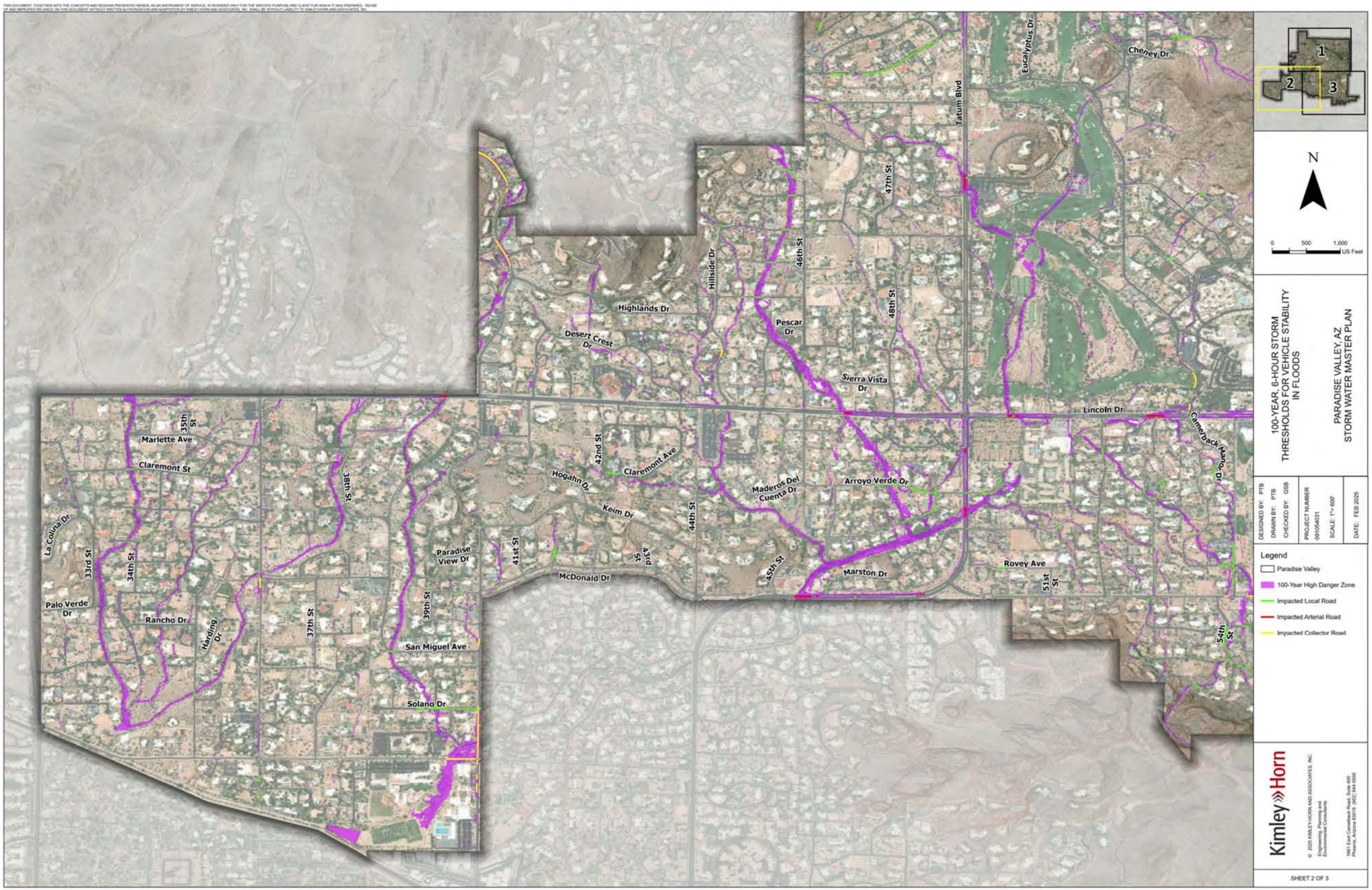
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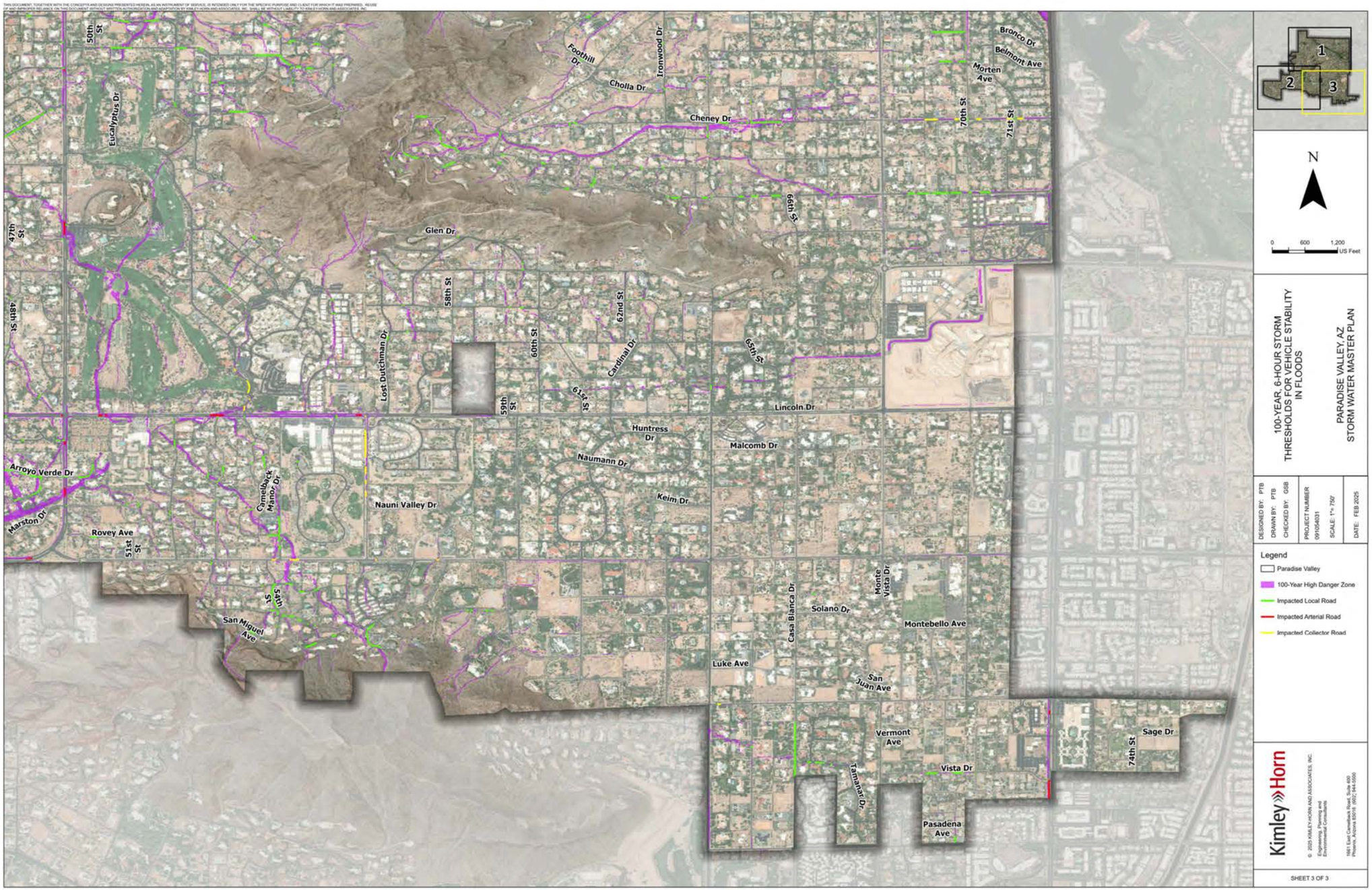
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# XVI. APPENDIX D – FLOOD HAZARD AREAS

## FLOOD HAZARD AREA PRIORITY MATRIX

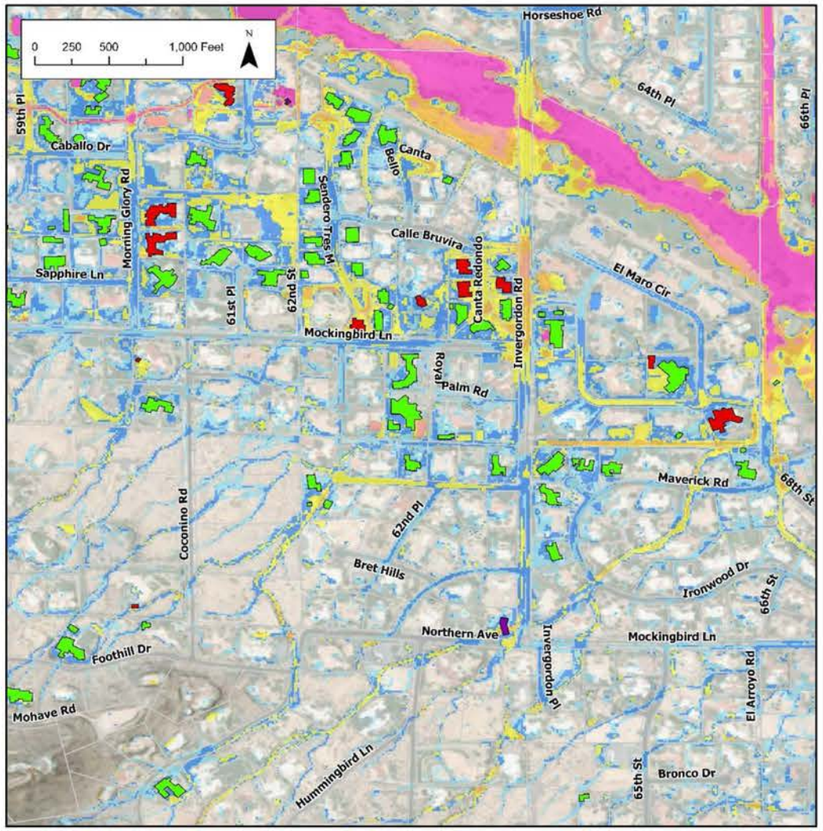
| | Severity of Flooding | Potential Stuctures Protected | Potential Streets Protected | Emergency Access | Multi-use Oppurtunities | Total Raw Score | Total Weighted Score |
|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 3 | 1 | | |
| Area N | 3 | 3 | 3 | 2 | 1 | 12 | 49 |
| Area A | 3 | 2 | 3 | 2 | 2 | 12 | 45 |
| Area O | 3 | 2 | 3 | 2 | 2 | 12 | 45 |
| Area K | 3 | 3 | 3 | 0 | 1 | 10 | 43 |
| Area L | 3 | 2 | 2 | 2 | 2 | 11 | 41 |
| Area H | 3 | 1 | 3 | 2 | 2 | 11 | 40 |
| Area P | 3 | 1 | 3 | 2 | 1 | 10 | 39 |
| Area C | 2 | 3 | 3 | 0 | 2 | 10 | 39 |
| Area E | 2 | 3 | 3 | 0 | 1 | 9 | 38 |
| Area S | 3 | 1 | 2 | 2 | 2 | 10 | 36 |
| Area R | 3 | 1 | 2 | 2 | 2 | 10 | 36 |
| Area D | 2 | 2 | 3 | 0 | 1 | 8 | 33 |
| Area G | 3 | 1 | 1 | 2 | 2 | 9 | 32 |
| Area M | 2 | 1 | 2 | 0 | 2 | 7 | 25 |
| Area B | 2 | 1 | 2 | 0 | 2 | 7 | 25 |
| Area J | 2 | 1 | 1 | 0 | 2 | 6 | 21 |

# XVI. APPENDIX D – FLOOD HAZARD AREAS

## FLOOD HAZARD AREA DATA SHEETS

# PARADISE VALLEY STORM WATER MASTER PLAN

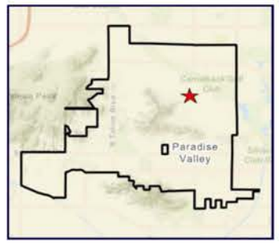
## FLOOD HAZARD AREA: A




| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

***LOCATION:*** *Invergordon Road and Mockingbird Lane*




***PROBLEM DESCRIPTION:***

- *Identified as a problem in the 2017 Cheney Watershed Study and remains a significant flood hazard*
- *Flow breakout with depths over 3 ft at Invergordon Road and Calle Bruvira*

***FLOOD HAZARD IMPACT:*** *Road overtopping, structure/property flooding, potential impact to emergency services*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *Invergordon Road and Mockingbird Lane storm drains/dry utilities*

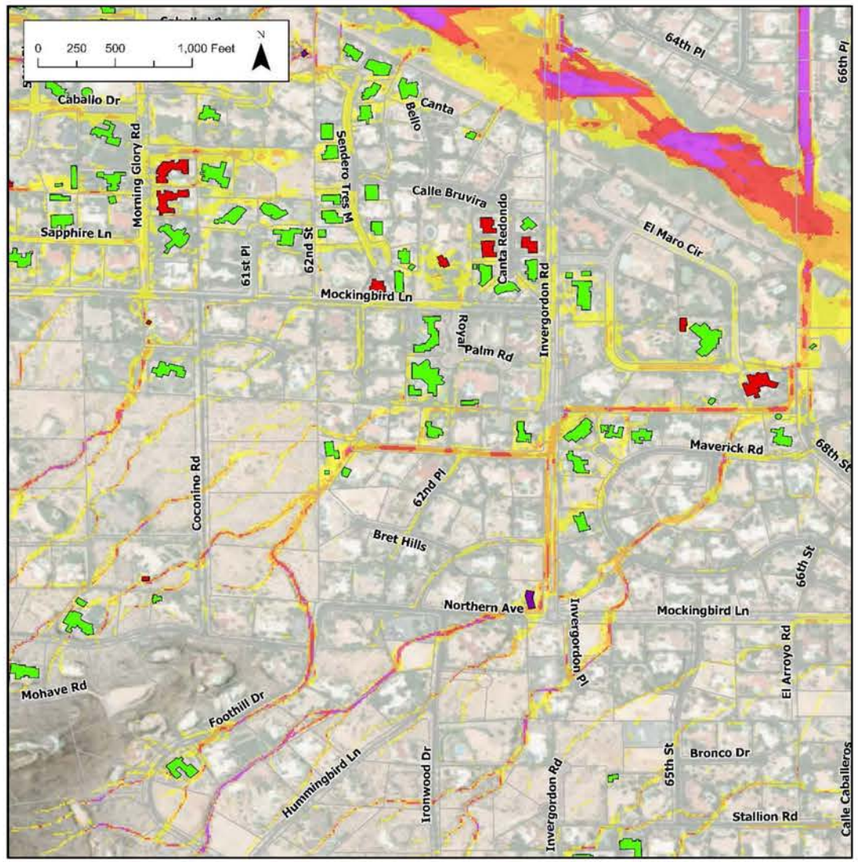
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Sedimentation Basins*
- *Roadside Ditch*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | 43 |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Road*** | 3.67 ft |
| ***Streets Overtopped by > 0.5 ft*** | 6 Local; 2 Collector |
| | |
| ***Potential Impact to Emergency Service Access*** | Yes |
| ***Flood Hazard Designation*** | Severe Flooding |

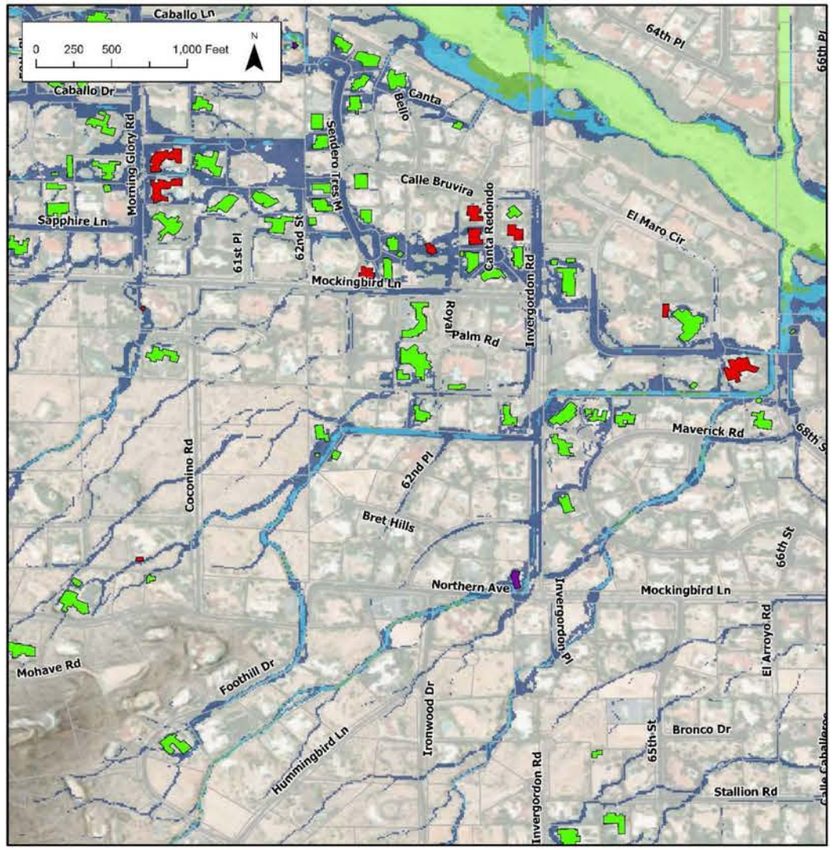
## AREA A EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA A SEDIMENT DEPOSTION POTENTIAL MAP

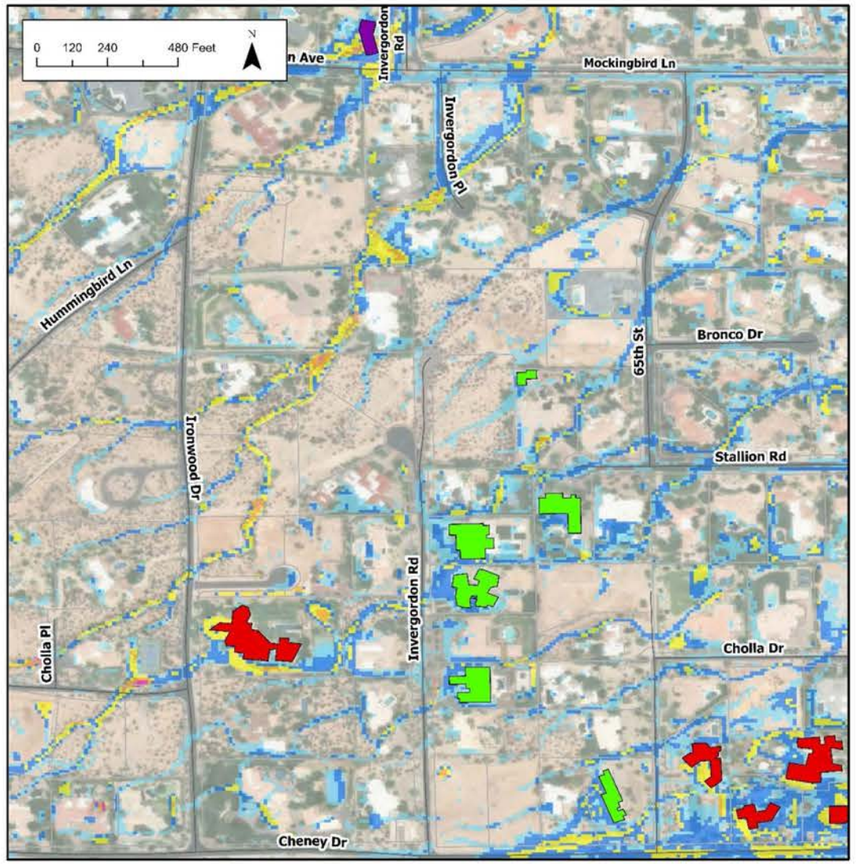



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: B

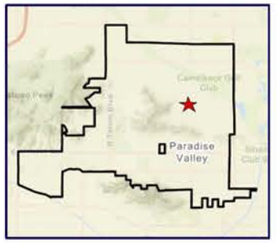



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

***LOCATION:*** *Ironwood Drive and Cholla Place*




***PROBLEM DESCRIPTION:***

- *Identified as a problem in the 2017 Cheney Watershed Study and flooding remains a nuisance to residents*
- *Flows from Mummy Mountain overtop multiple streets and deposit sediment*

***FLOOD HAZARD IMPACT:*** *Road overtopping and post-storm clean up, structure/property flooding*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *Mockingbird Lane storm drains, dry utilities*

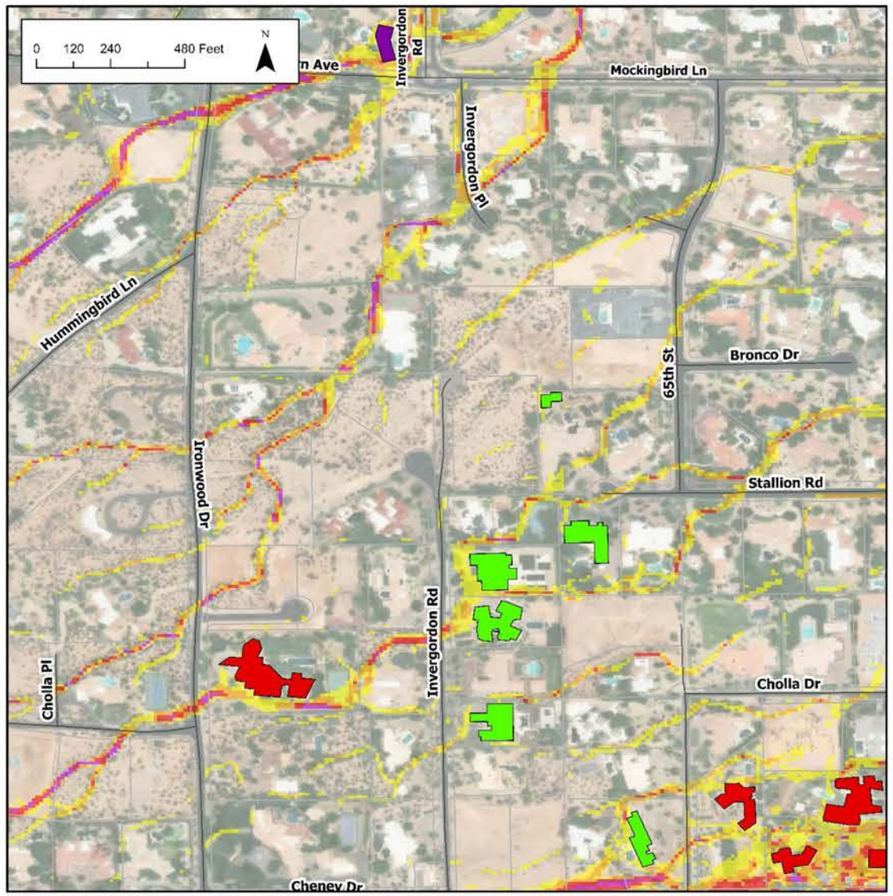
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Sediment Basins*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Potentially Impacted Structures*** | 4 |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Roads*** | 0.71 ft |
| ***Streets Overtopped by > 0.5 ft*** | 2 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

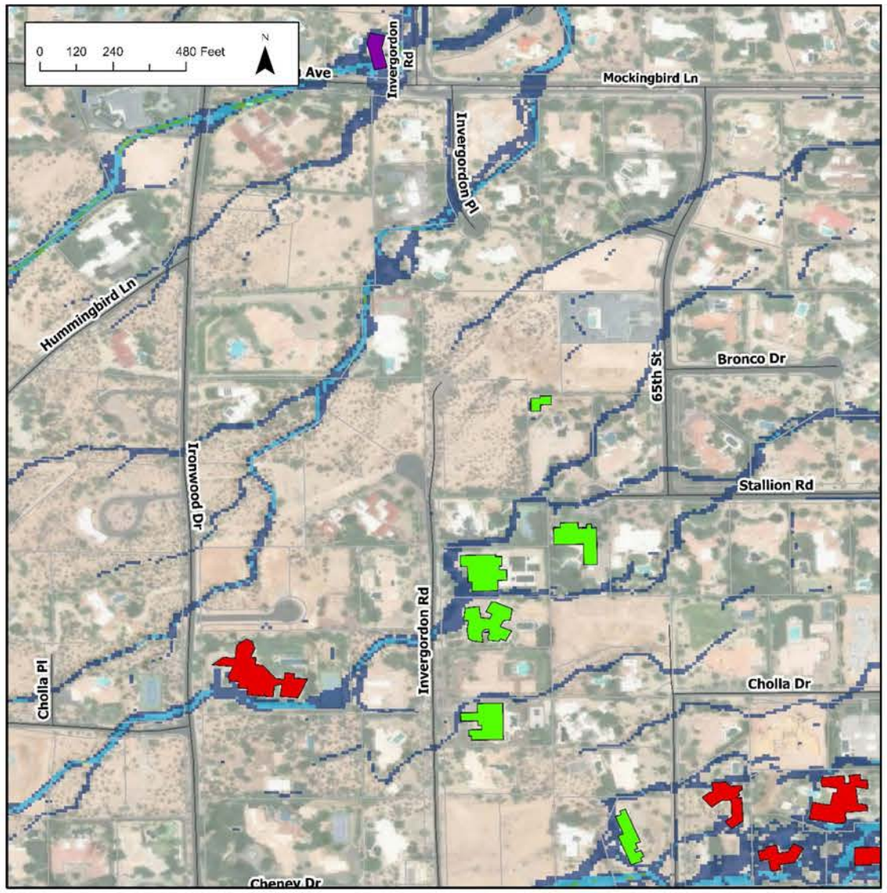
## AREA B EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA B SEDIMENT DEPOSTION POTENTIAL MAP

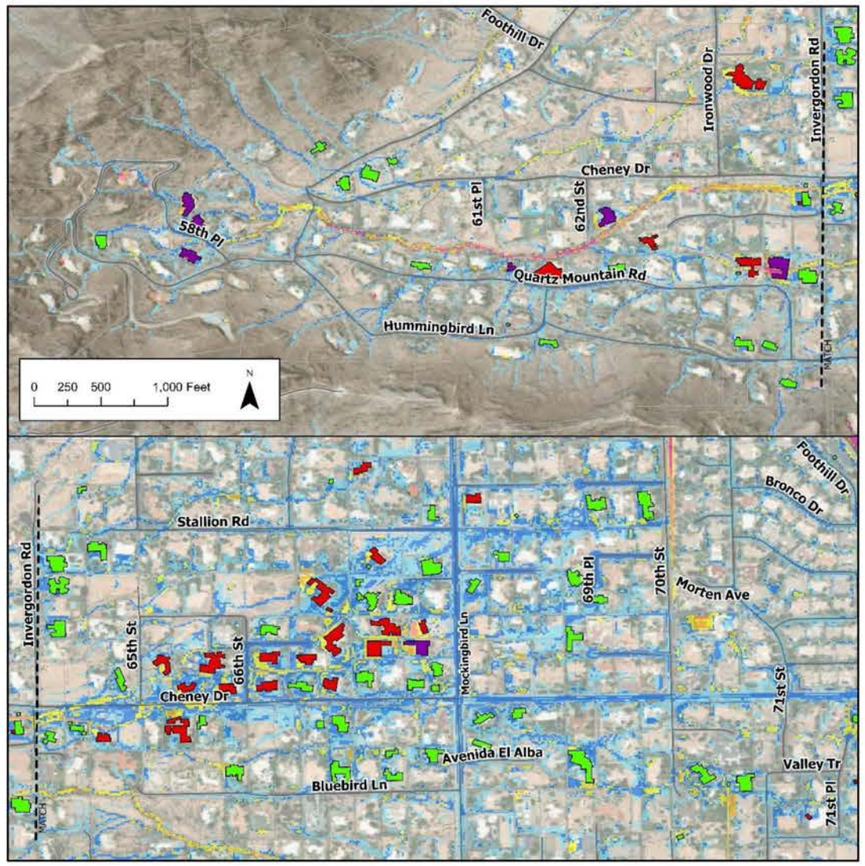



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

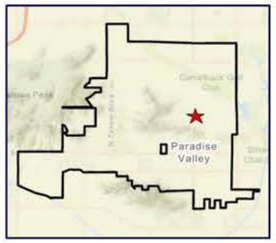
## FLOOD HAZARD AREA: C




| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

**LOCATION:** *Along Cheney Dr from 58th Place to 71st Place*




**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2017 Cheney Watershed Study and in the 2017 LIBW ADMP, it and remains a significant flood hazard*
- *Flows from Cheney Wash break out at Invergordon Road and fan out into the surrounding neighborhood*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Cheney Drive and Mockingbird Lane dry utilities*

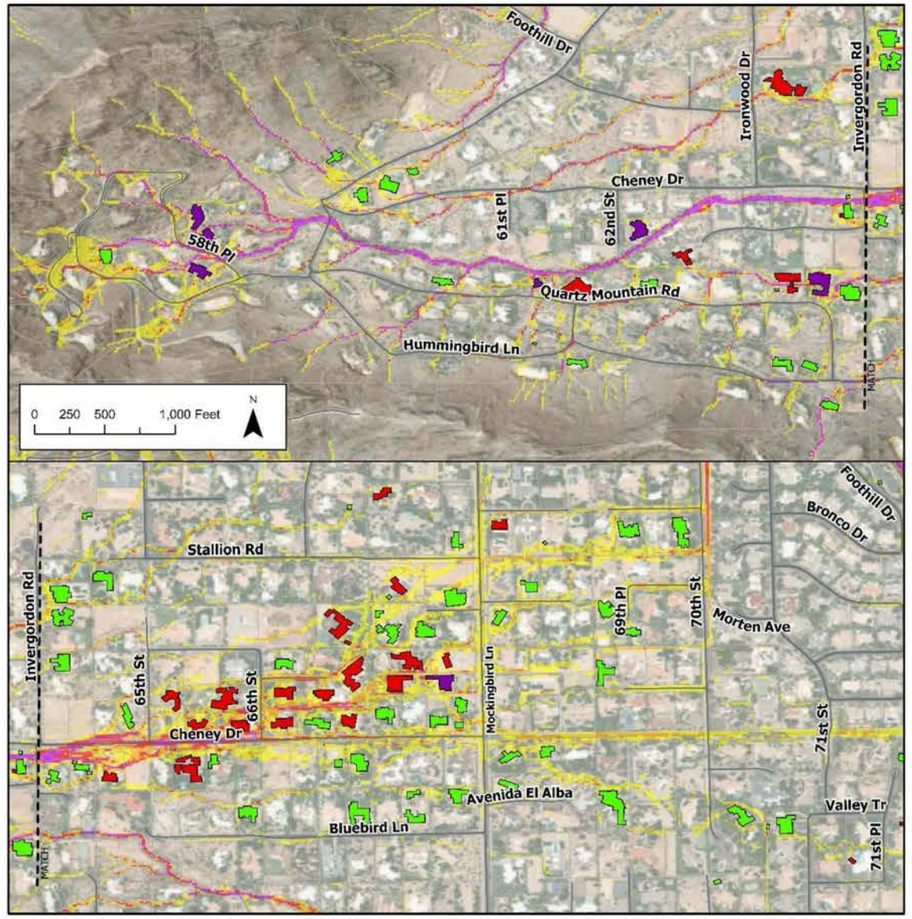
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Channel Embankments*
- *Sediment Basins*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Potentially Impacted Structures*** | 70 |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Roads*** | 1.37 ft |
| ***Streets Overtopped by > 0.5 ft*** | 2 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

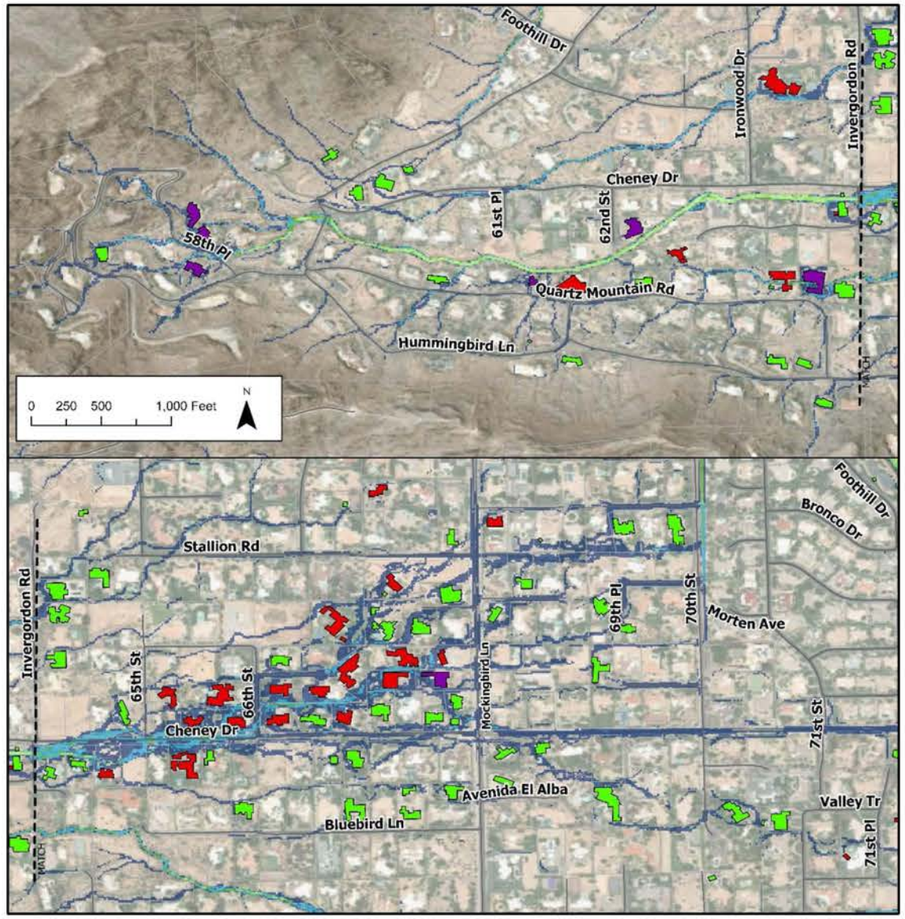
## AREA C EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA C SEDIMENT DEPOSTION POTENTIAL MAP

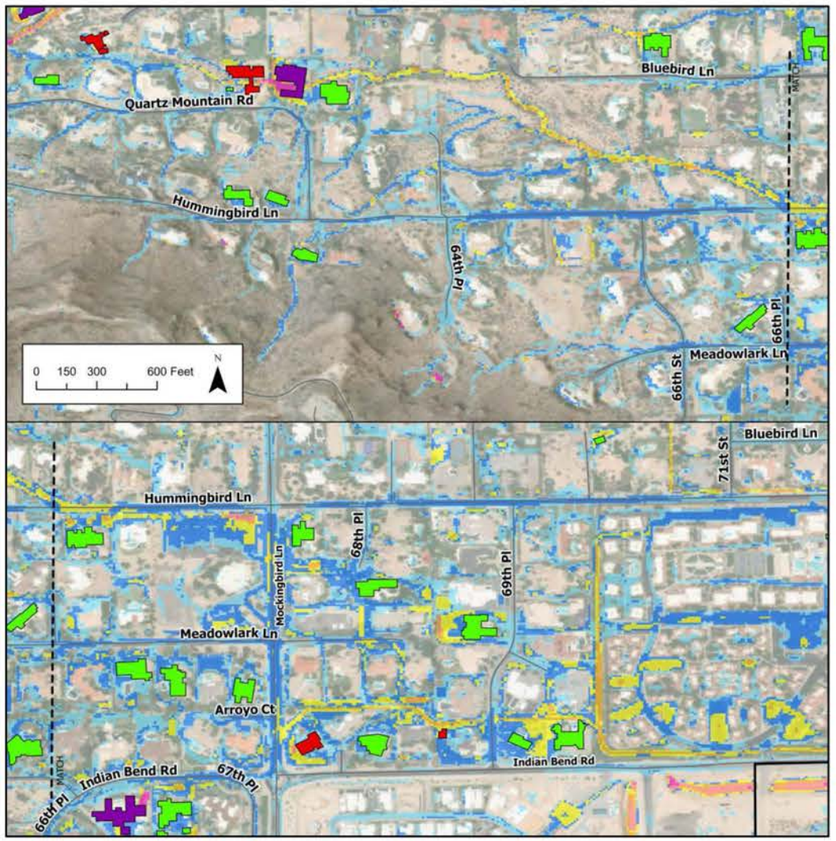



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: D

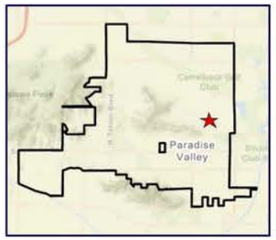



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

**LOCATION:** *Hummingbird Ln and Mockingbird Lane*




**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2017 LIBW ADMP and the 2017 Cheney Watershed Study, remains a flood hazard*
- *Flows from Mummy Mountain breakout with depths of 1 ft at Hummingbird Ln and fans out into the surrounding neighborhood*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Mockingbird storm drains, dry utilities*

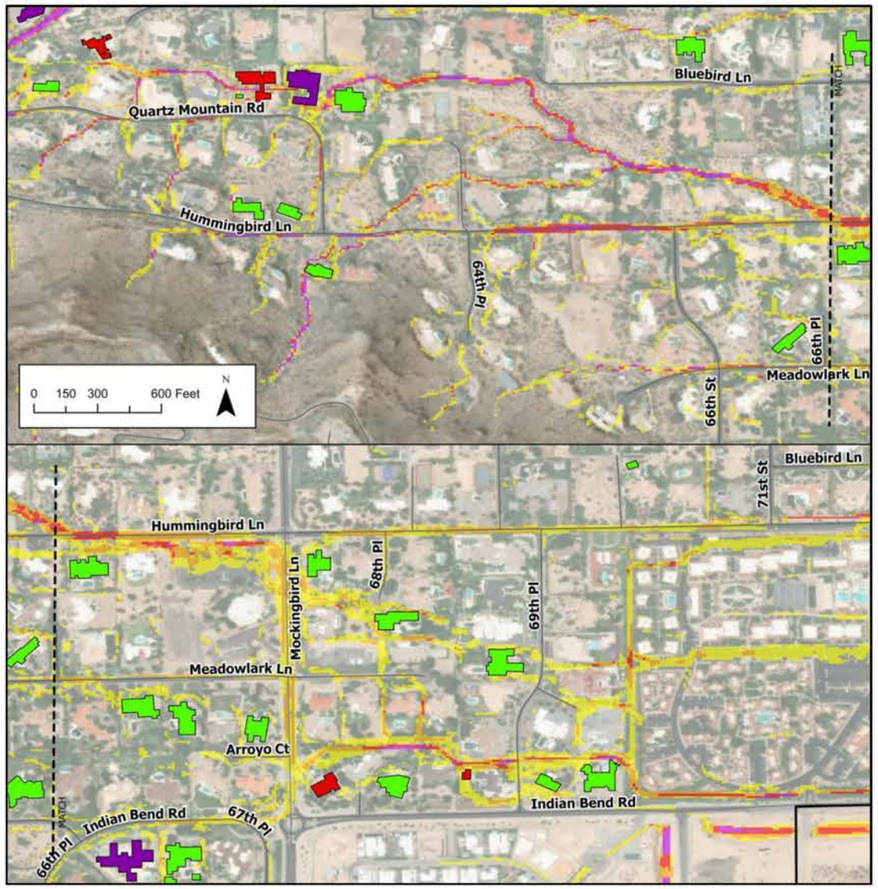
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Sedimentation Basin*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *20* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Roads*** | 1.16 ft |
| ***Streets Overtopped by > 0.5 ft*** | 1 Local; 2 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

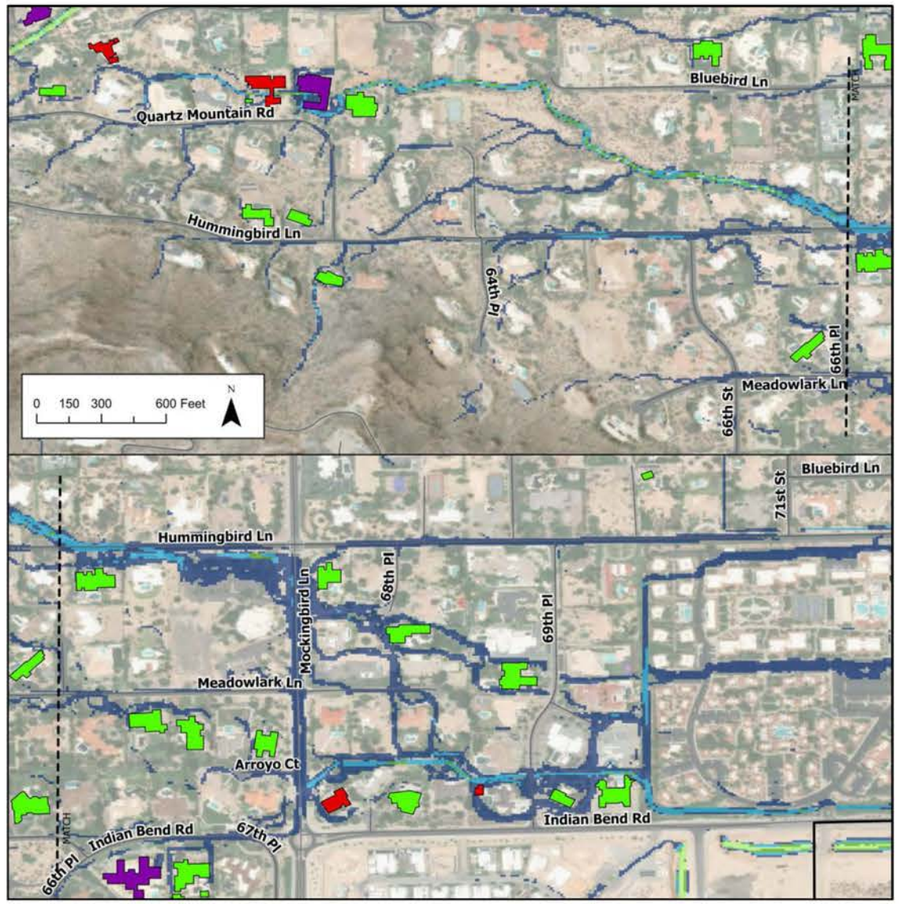
## AREA D EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA D SEDIMENT DEPOSTION POTENTIAL MAP

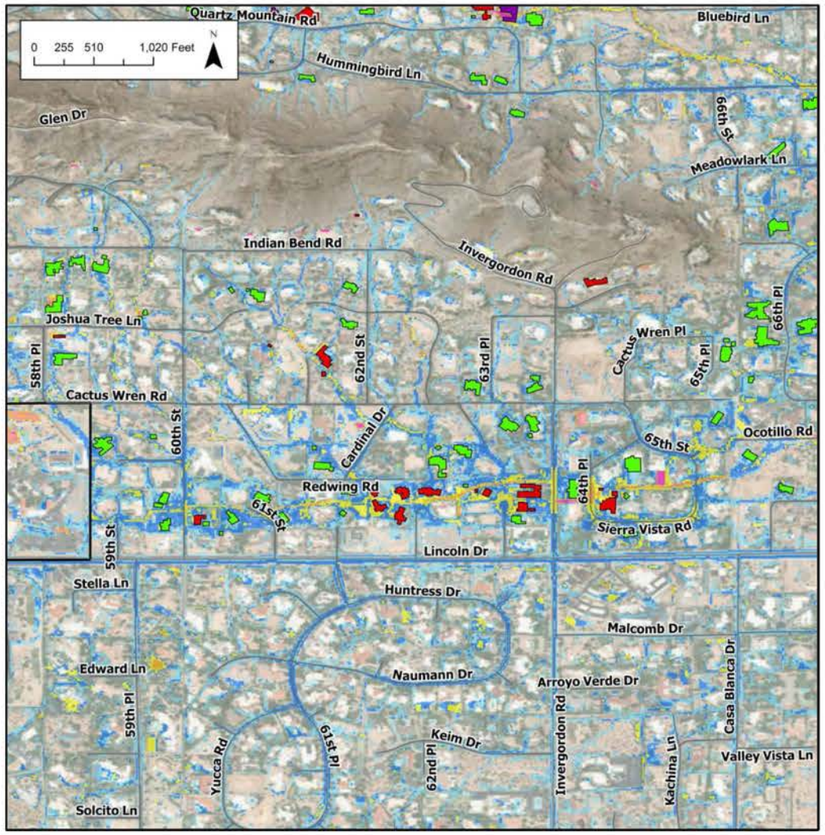



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

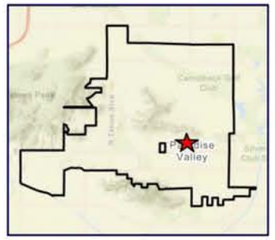
## FLOOD HAZARD AREA: E




| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

**LOCATION:** *Lincoln Drive from 58th Place to 66th Place*



**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2017 LIBW ADMP and remains a flood hazard*
- *Flows from Mummy Mountain collect and travel east through the neighborhood just north of Lincoln Dr. and overtops Invergordon Rd and 60th St by over 1 ft*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Invergordon Rd storm drain/dry utilities, 60th St dry utilities*

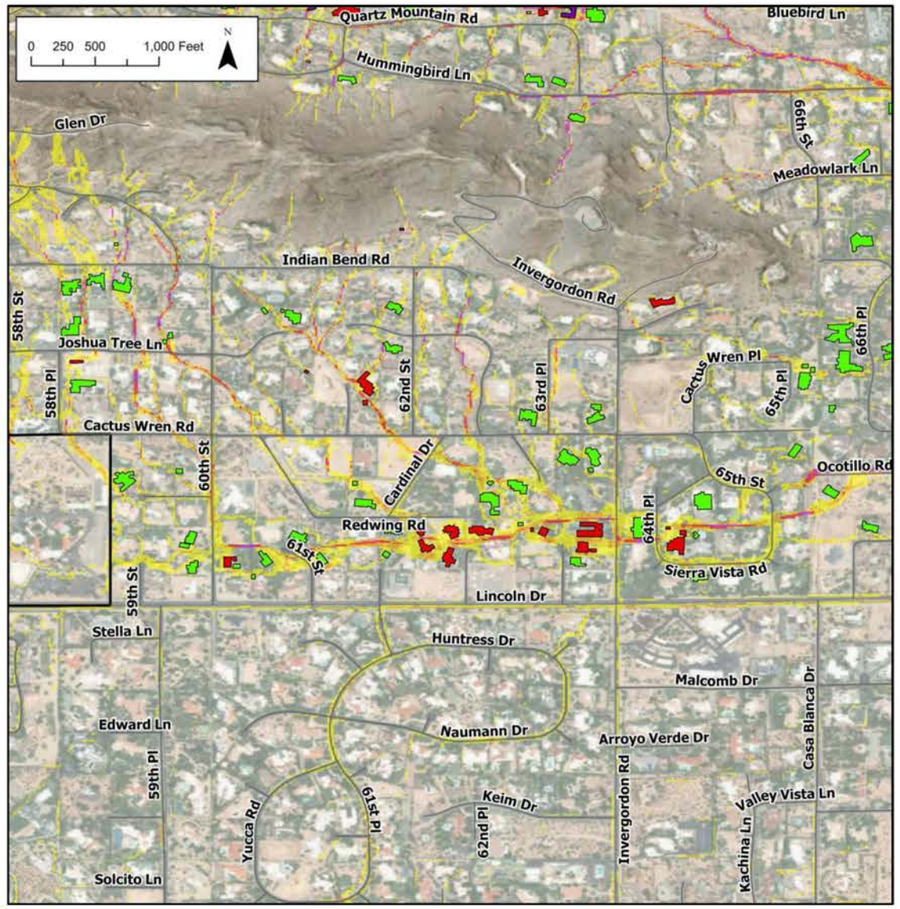
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Permeable Pavement*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *52* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Roads*** | 1.19 ft |
| ***Streets Overtopped by > 0.5 ft*** | 5 Local; 2 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

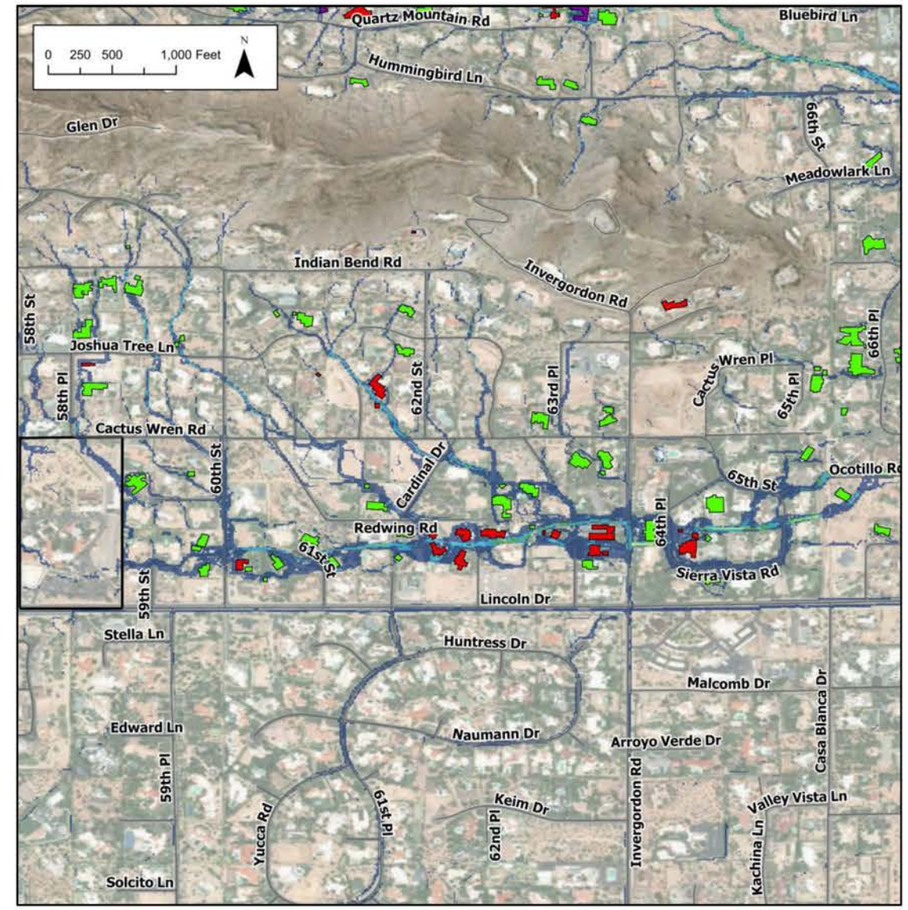
## AREA E EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA E SEDIMENT DEPOSTION POTENTIAL MAP

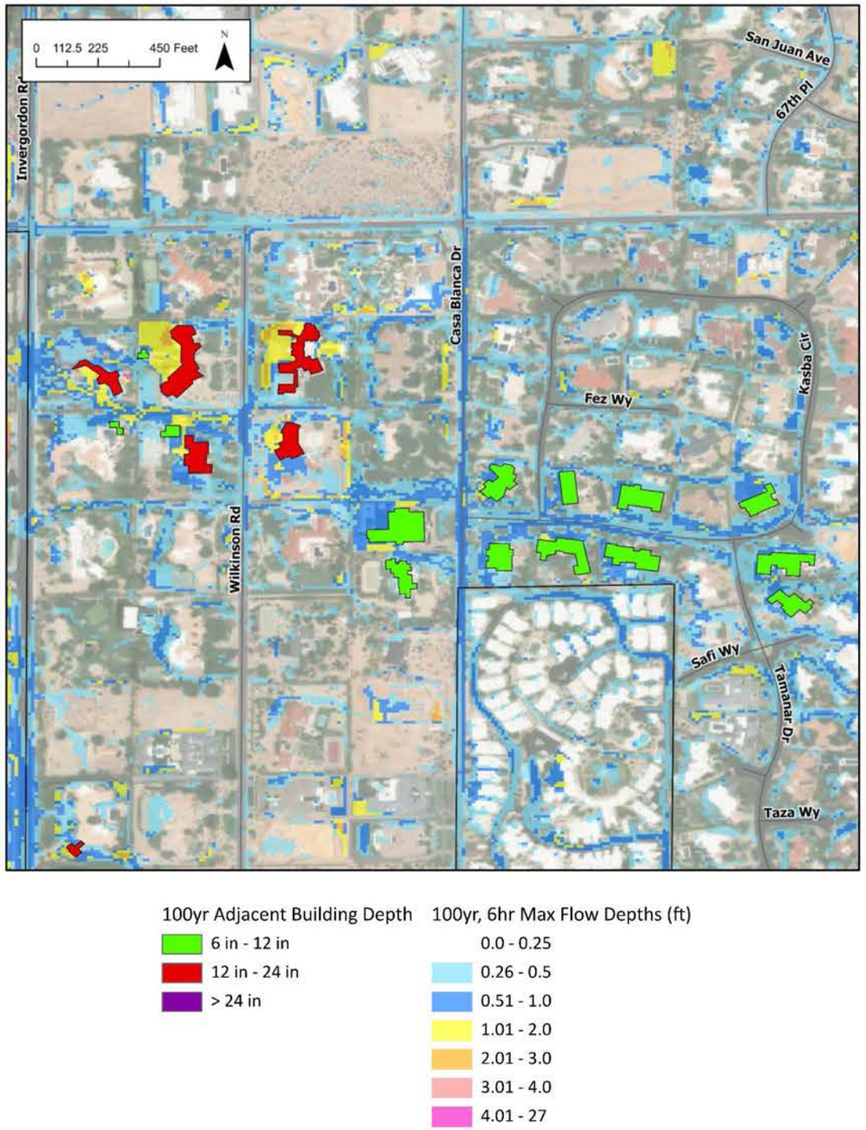



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

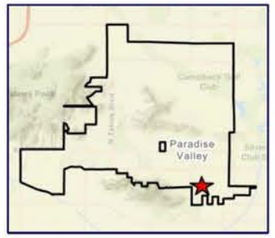
# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: F




## LOCATION DESCRIPTION

**LOCATION:** *Jackrabbit Road from Invergordon Road to 67th Place*




**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2017 LIBW ADMP and remains a flooding nuisance*
- *Flows from Camelback Mountain collect and travel east through the neighborhood just South of Jackrabbit Rd.*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Casa Blanca Dr dry utilities*

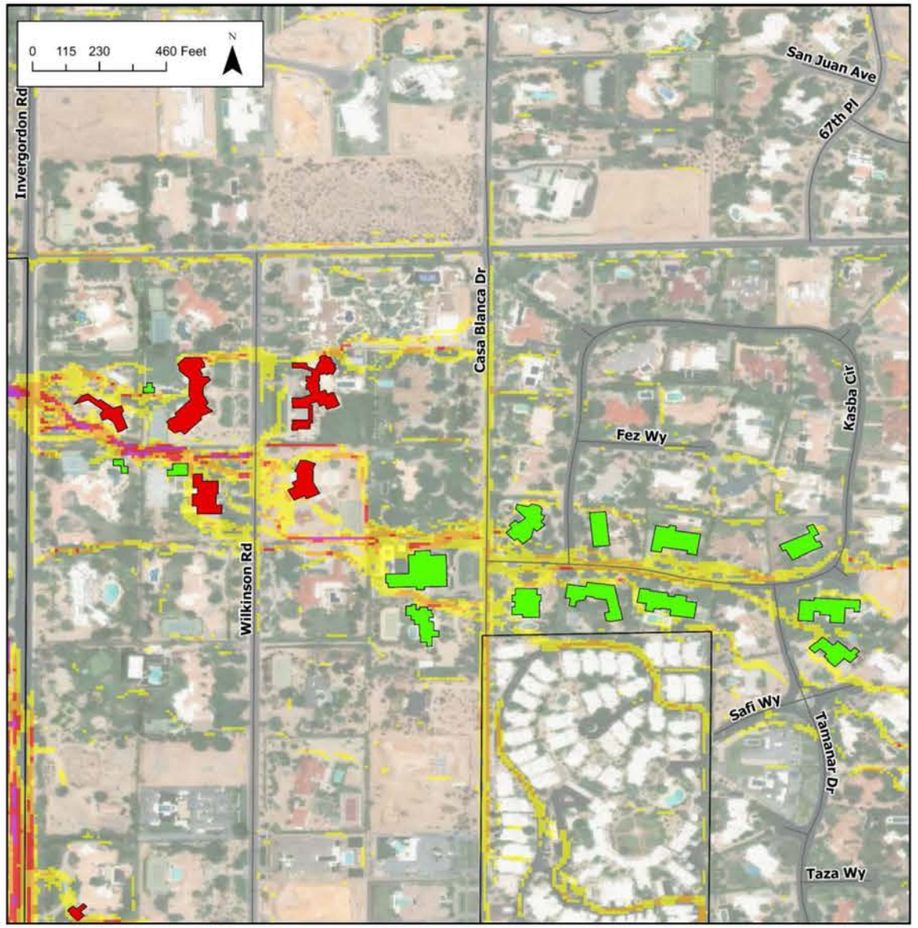
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *15* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Roads*** | 0.8 ft |
| ***Streets Overtopped by > 0.5 ft*** | 5 Local; 0 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Nuisance Flooding |

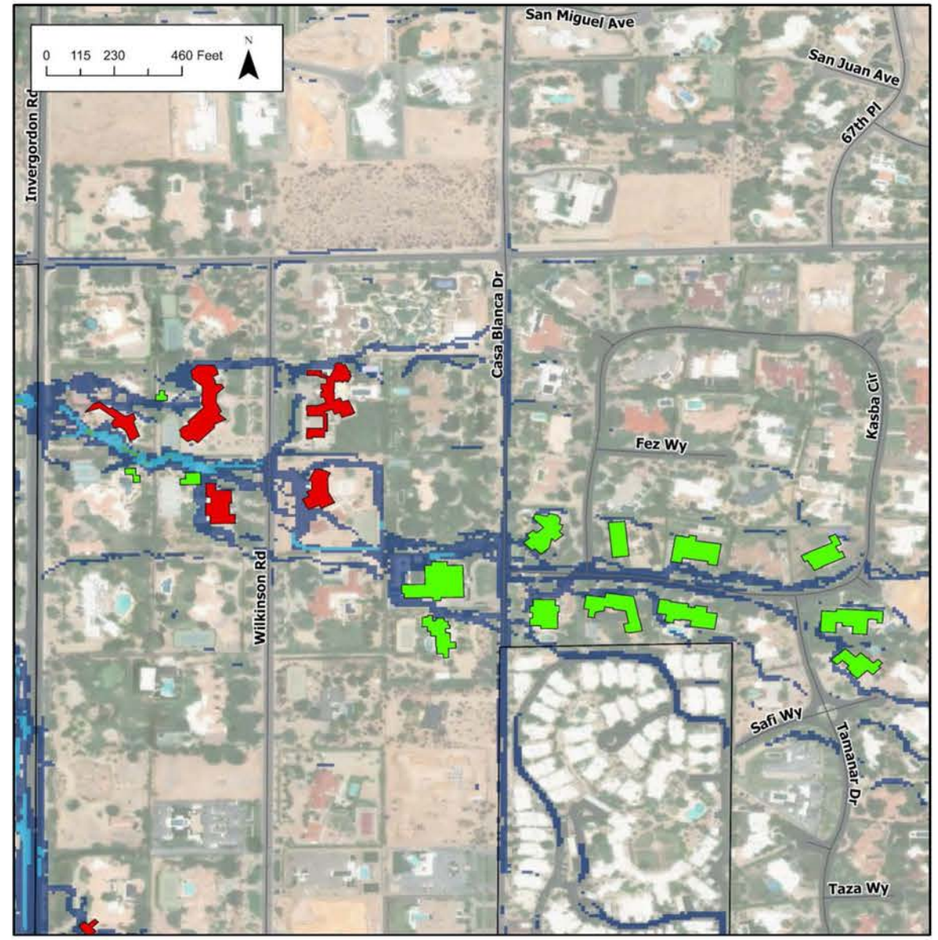
## AREA F EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA F SEDIMENT DEPOSTION POTENTIAL MAP

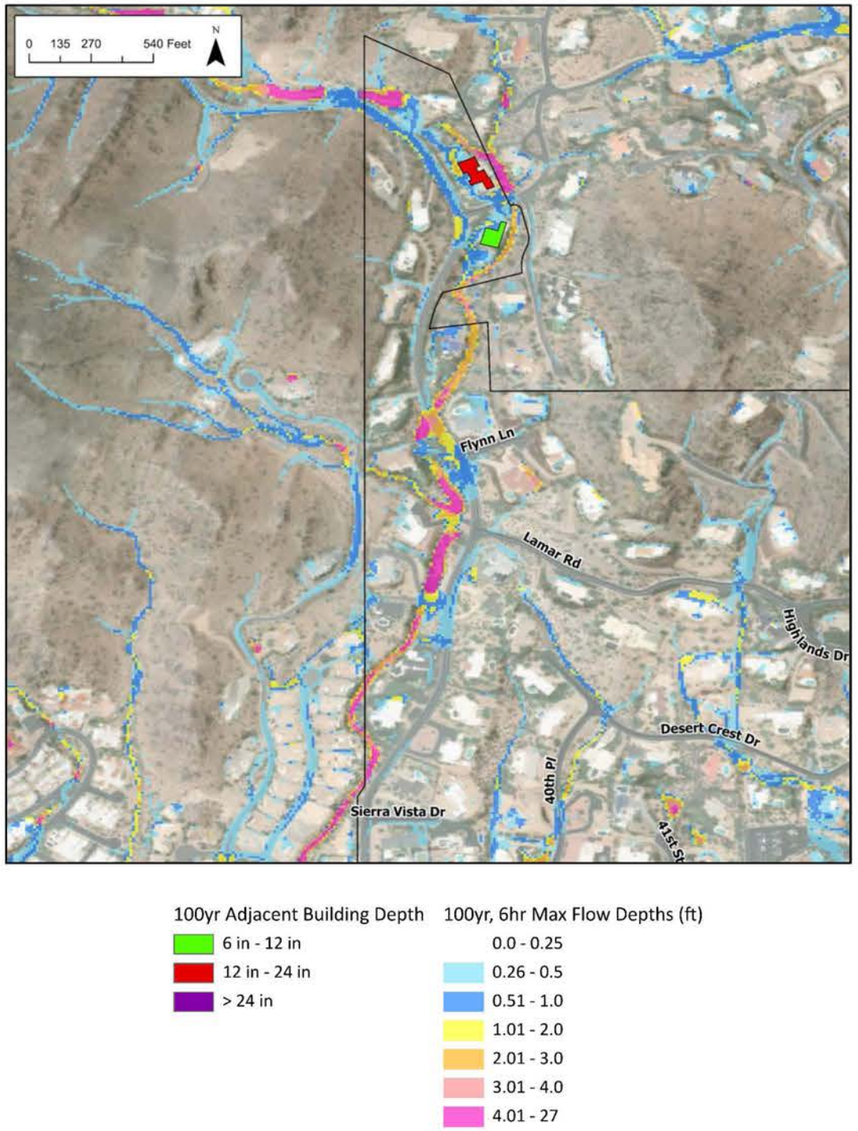



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: G




## LOCATION DESCRIPTION

**LOCATION:** *40th Street and Flynn Lane*

**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a flooding hazard*
- *Flows from Piestewa Mountain overtop 40th St by over 2 ft*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *40th St dry utilities*

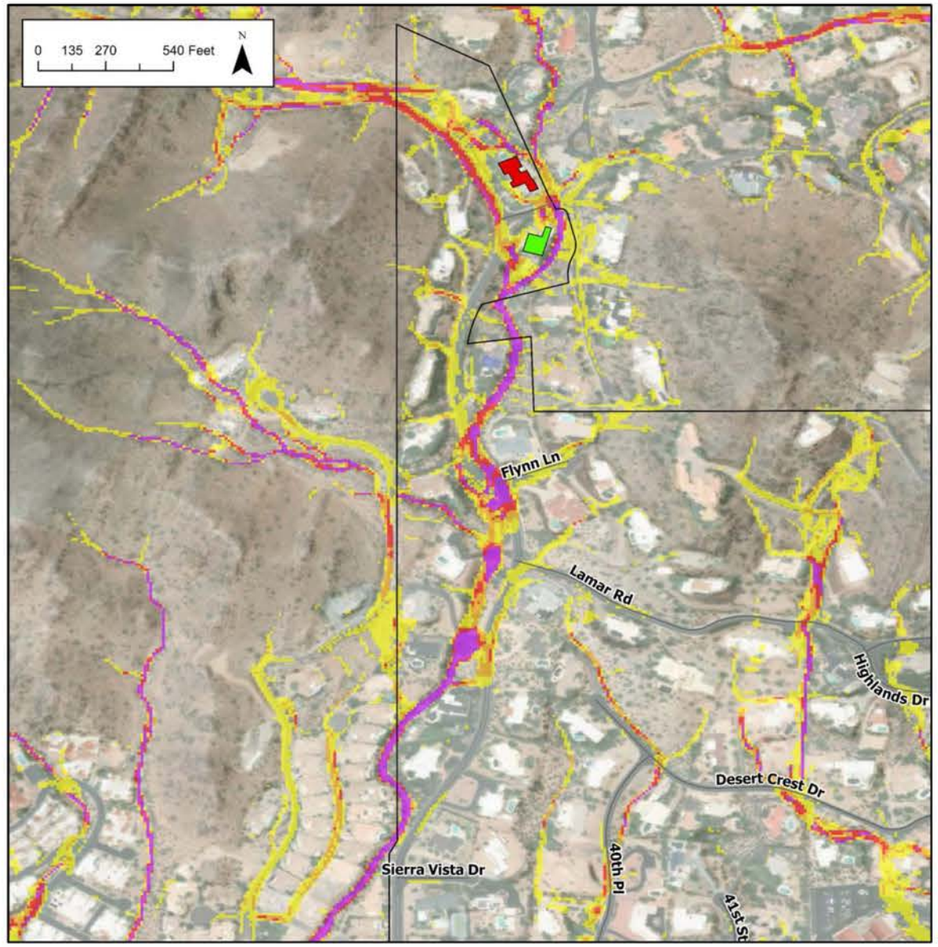
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *2* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 3 |
| ***Maximum Depth on Roads*** | 2.21 ft |
| ***Streets Overtopped by > 0.5 ft*** | 2 Local; 0 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

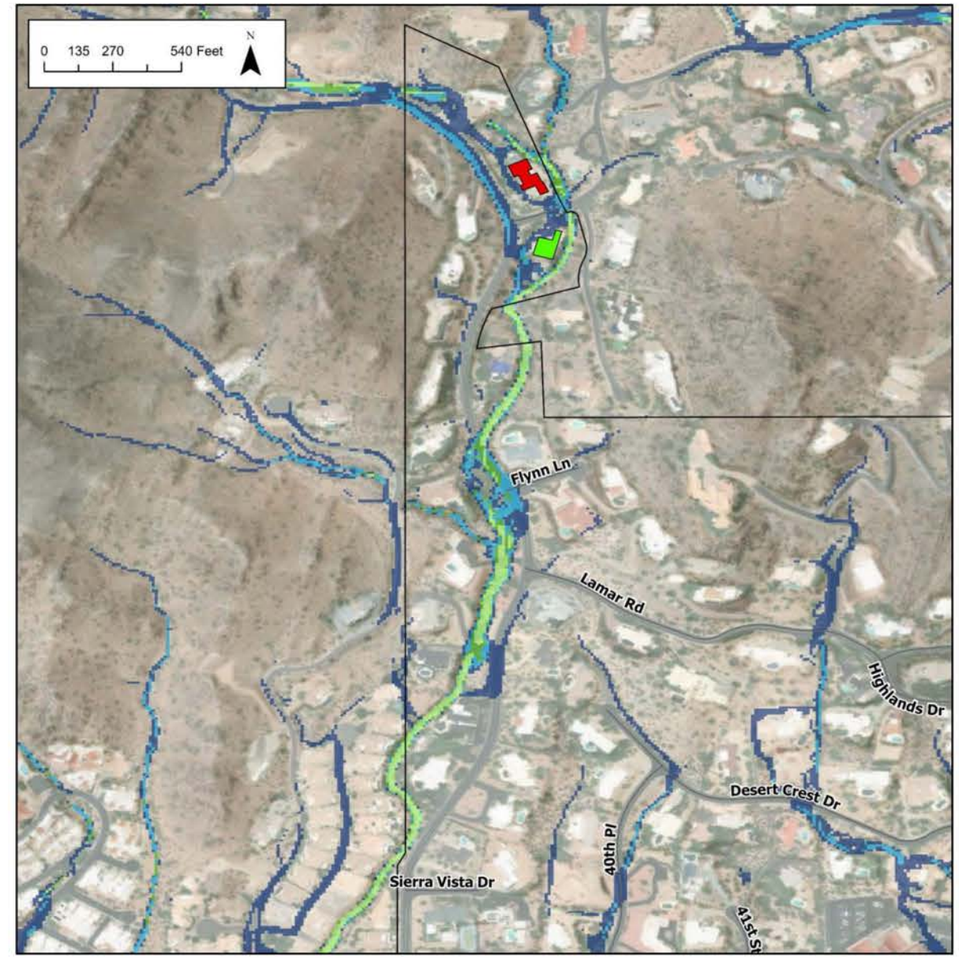
## AREA G EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA G SEDIMENT DEPOSTION POTENTIAL MAP

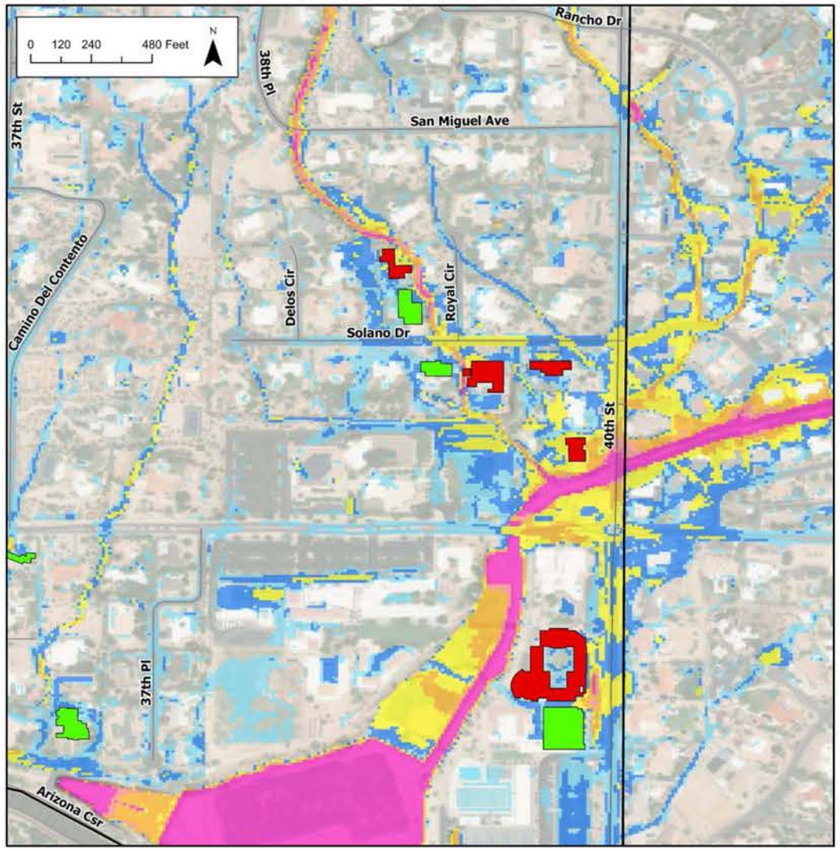



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

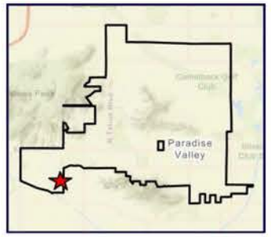
## FLOOD HAZARD AREA: H




| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

***LOCATION:*** *40th Street and Stanford Drive*




***PROBLEM DESCRIPTION:***

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a significant flooding hazard. Vehicles have been stuck in the low water crossing during flooding*
- *Cudia City Wash overtop 40th St by greater than 4 ft*
- *Road closures during major flood events*

***FLOOD HAZARD IMPACT:*** *Road overtopping, structure/property flooding*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *40th St and Stanford Dr dry utilities*

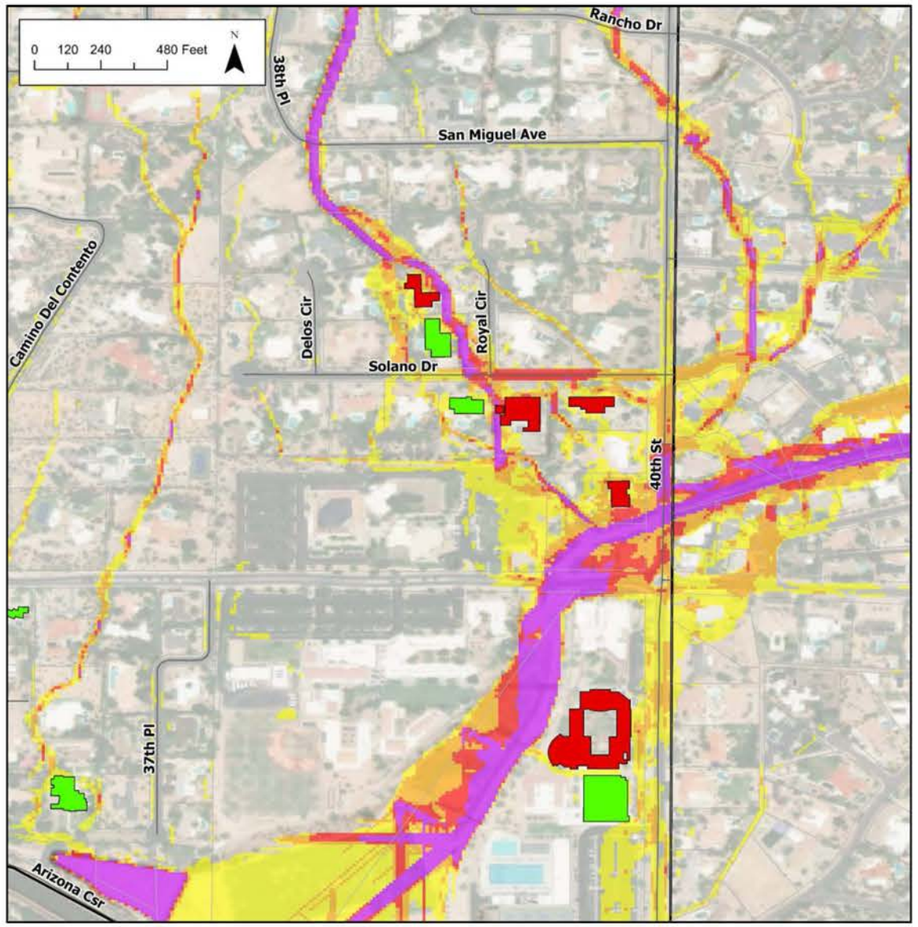
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | 9 |
| ***Number of Hydraulic Structures Identified as Undersized*** | 1 |
| ***Maximum Depth on Roads*** | 5.23 ft |
| ***Streets Overtopped by > 0.5 ft*** | 2 Local; 2 Collector |
| ***Potential to Impact Emergency Service Access*** | Yes |
| ***Flood Hazard Designation*** | Severe Flooding |

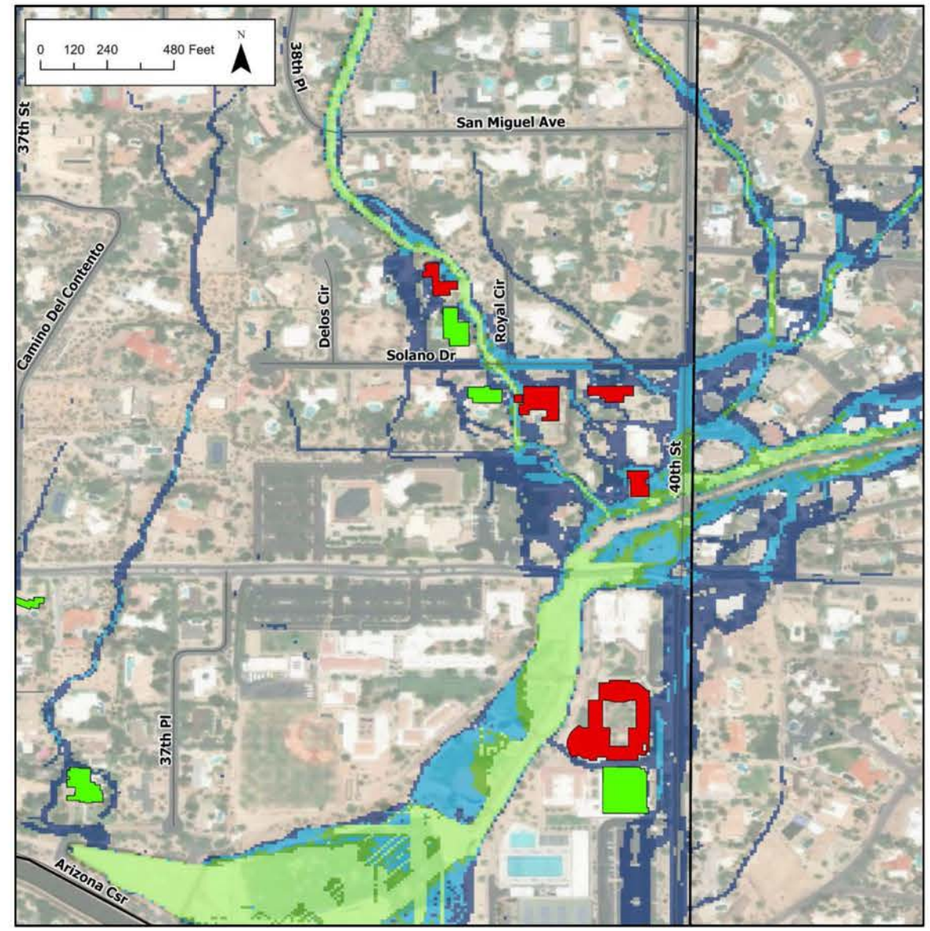
## AREA H EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA H SEDIMENT DEPOSTION POTENTIAL MAP

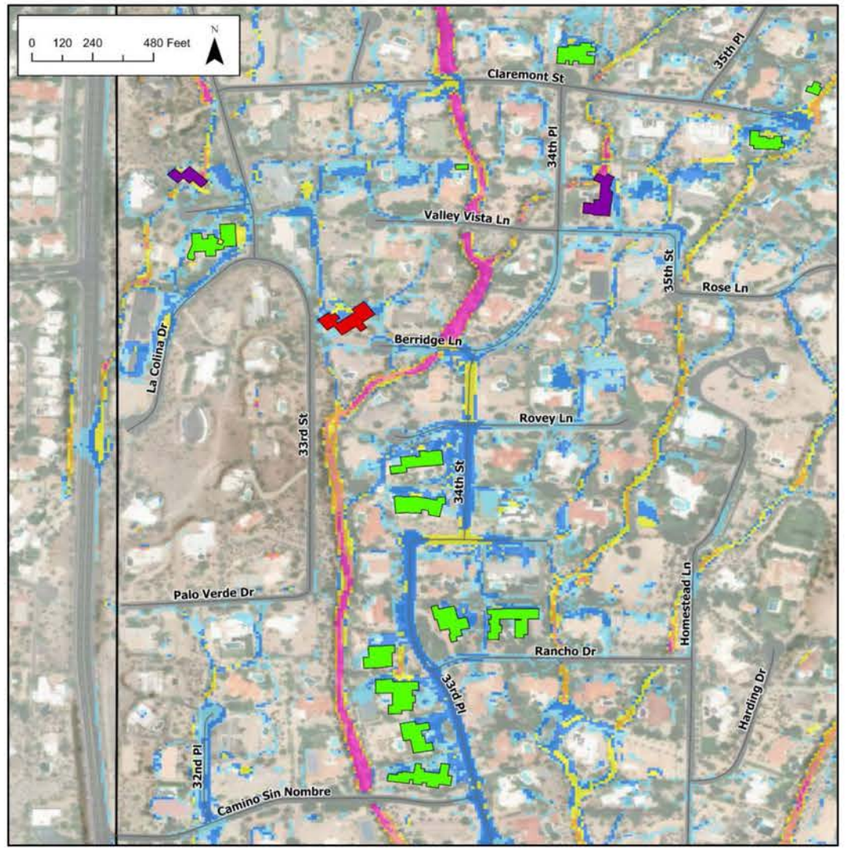



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: I

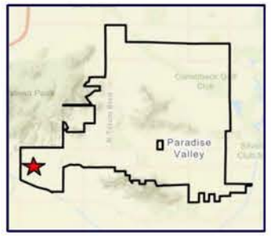



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

**LOCATION:** *Claremont Street and 34th Place*




**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a nuisance flooding hazard.*
- *Undersized existing infrastructure*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Claremont Street dry utilities*

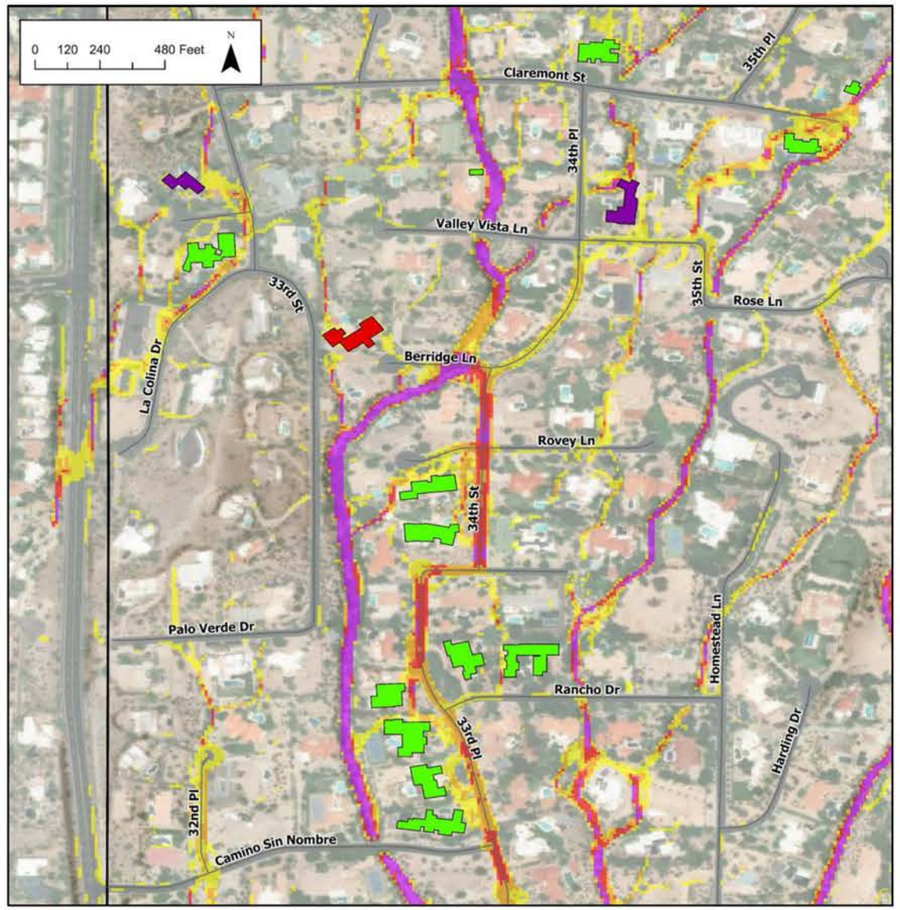
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *10* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 3 |
| ***Maximum Depth on Roads*** | 0.8 ft |
| ***Streets Overtopped by > 0.5 ft*** | 4 Local; 0 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Nuisance Flooding |

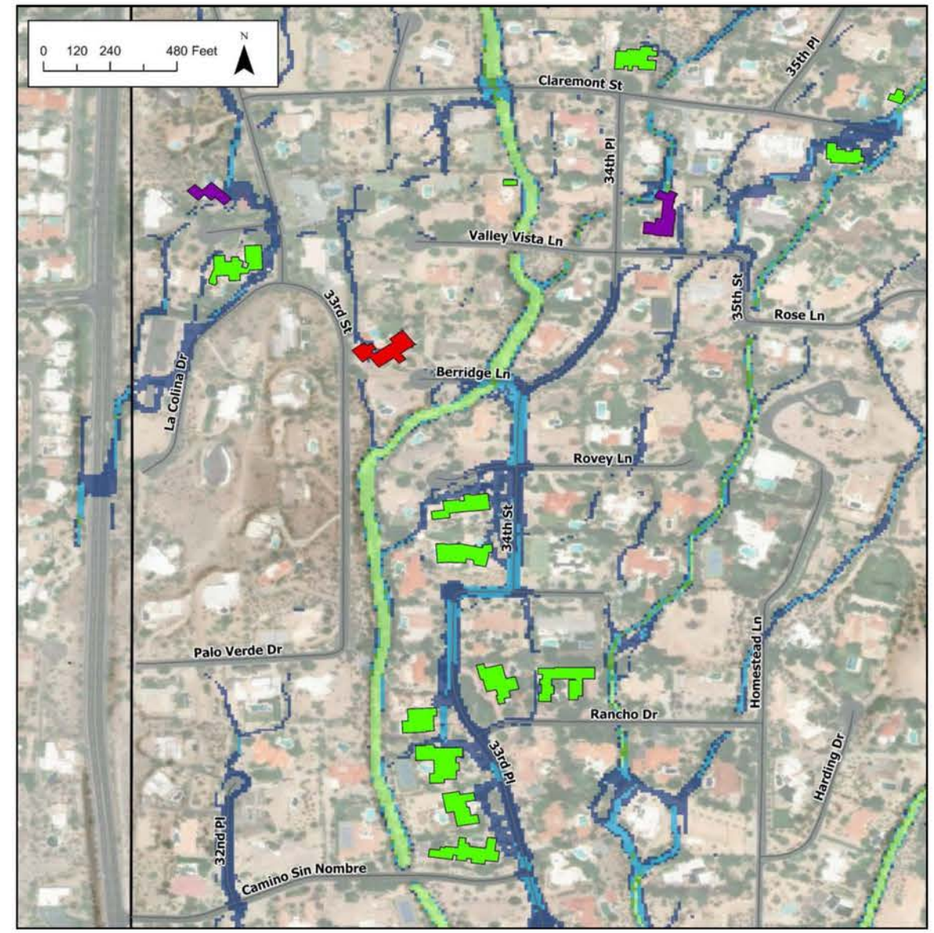
## AREA I EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA I SEDIMENT DEPOSTION POTENTIAL MAP

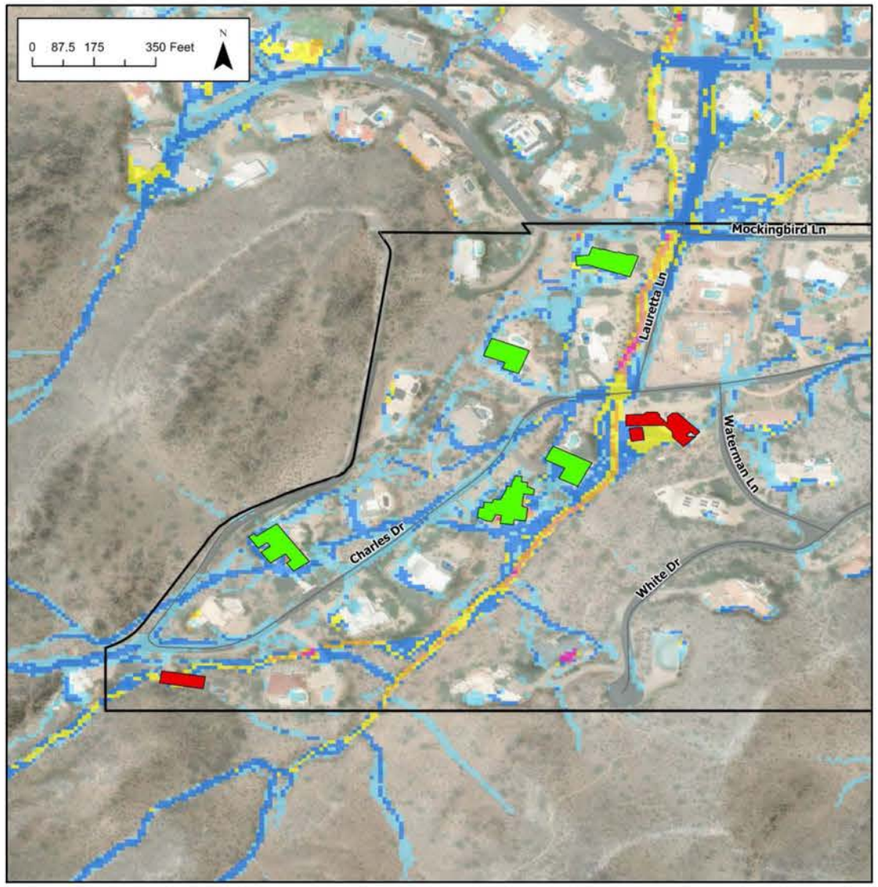



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: J



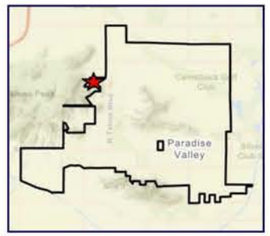

100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

**LOCATION:** *40th Street and Charles Drive and Lauretta Lane*

**PROBLEM DESCRIPTION:**




- *Identified as a problem in the 2019 Drainage Improvement Areas Technical Memorandum*
- *The existing low water crossing conveys runoff from the Phoenix Mountain Preserve. The crossing has led to erosion and sediment deposition that required routine roadway maintenance.*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Charles Drive dry utilities*

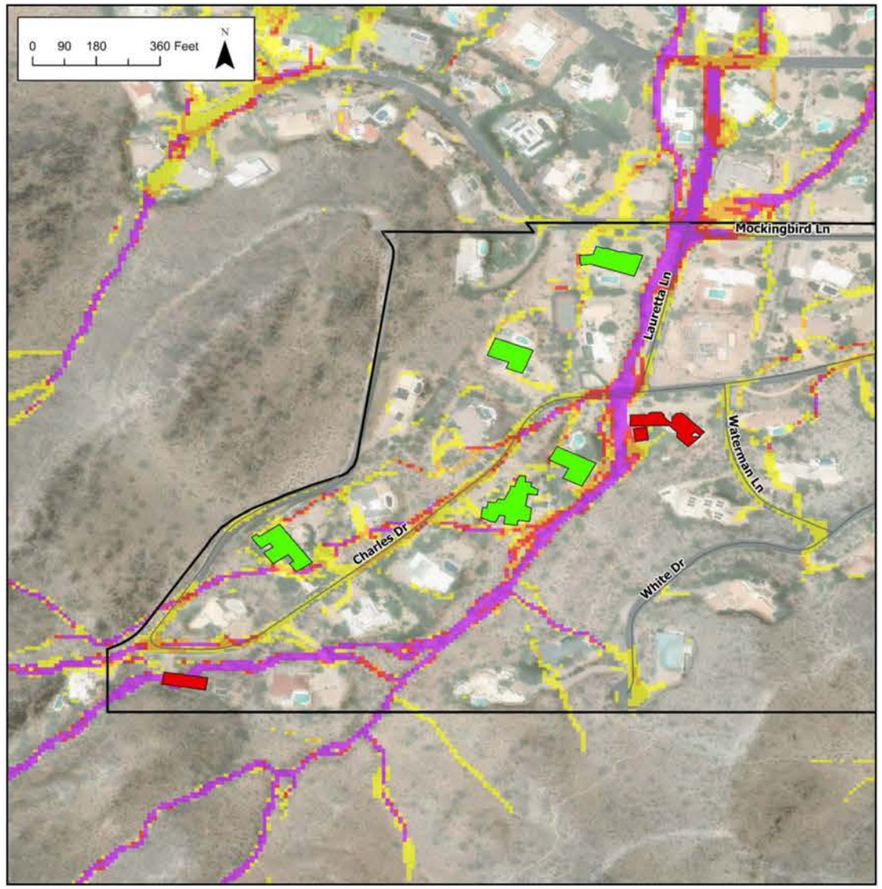
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | 8 |
| ***Number of Hydraulic Structures Identified as Undersized*** | 0 |
| ***Maximum Depth on Roads*** | 1.16 ft |
| ***Streets Overtopped by > 0.5 ft*** | 3 Local; 0 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

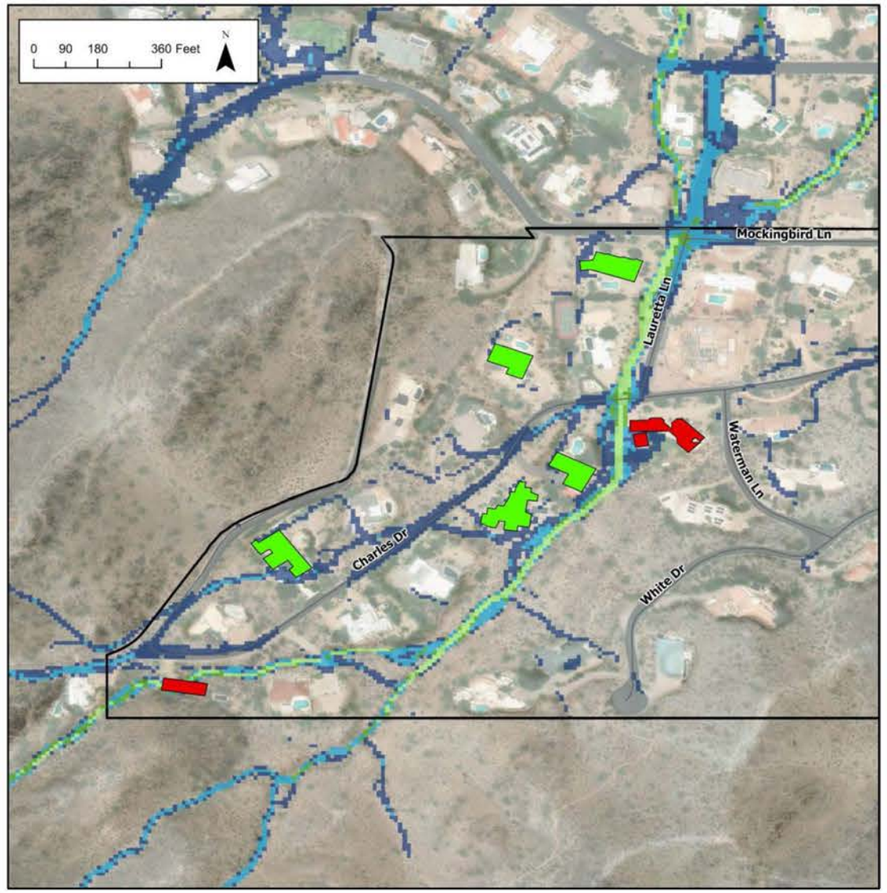
## AREA J EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA J SEDIMENT DEPOSTION POTENTIAL MAP

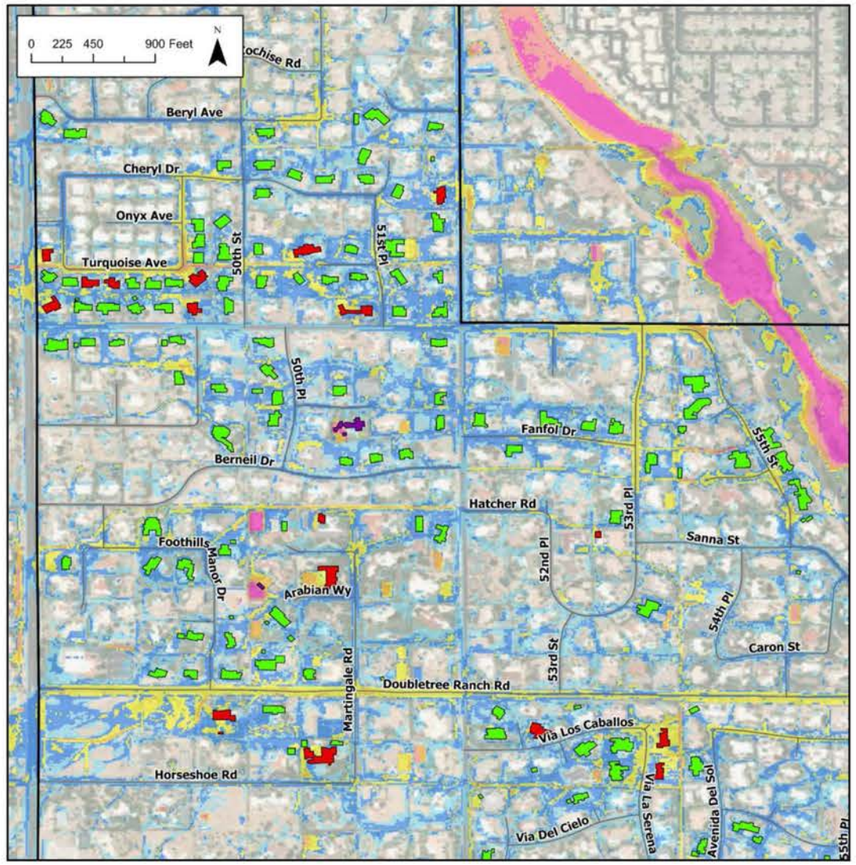



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: K

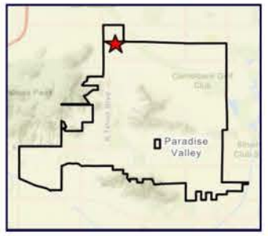



| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

***LOCATION:*** *52nd St and Doubletree Ranch Rd*

***PROBLEM DESCRIPTION:***




- *Significant flows coming from Piestewa Mountain flow through the neighborhood in Northern Paradise Valley, especially along Turquoise Ave. Little existing infrastructure is currently present to relieve the flooding in this area*
- *In the southern section of Area K, Existing storm drain was identified as under sized*

***FLOOD HAZARD IMPACT:*** *Road overtopping, structure/property flooding*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *Doubletree Ranch Rd storm drains, 52nd St dry utilities*

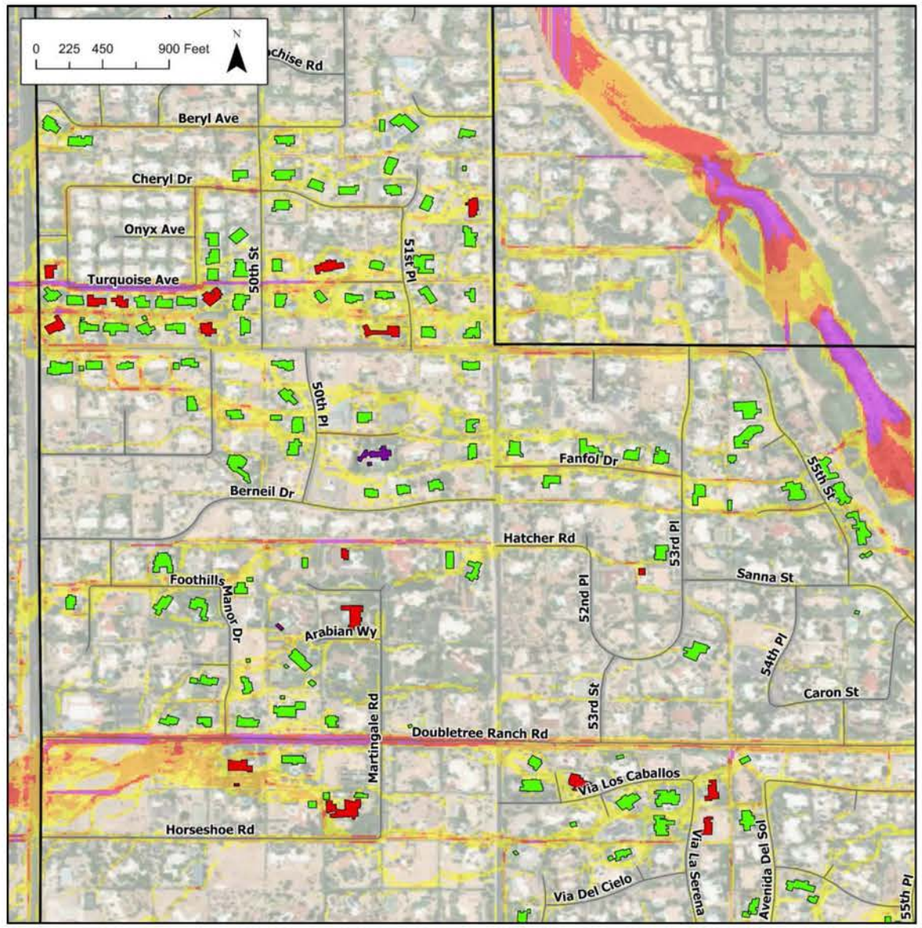
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *141* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 1 |
| ***Maximum Depth on Roads*** | 2.37 ft |
| ***Streets Overtopped by > 0.5 ft*** | 13 Local; 2 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Severe Flooding |

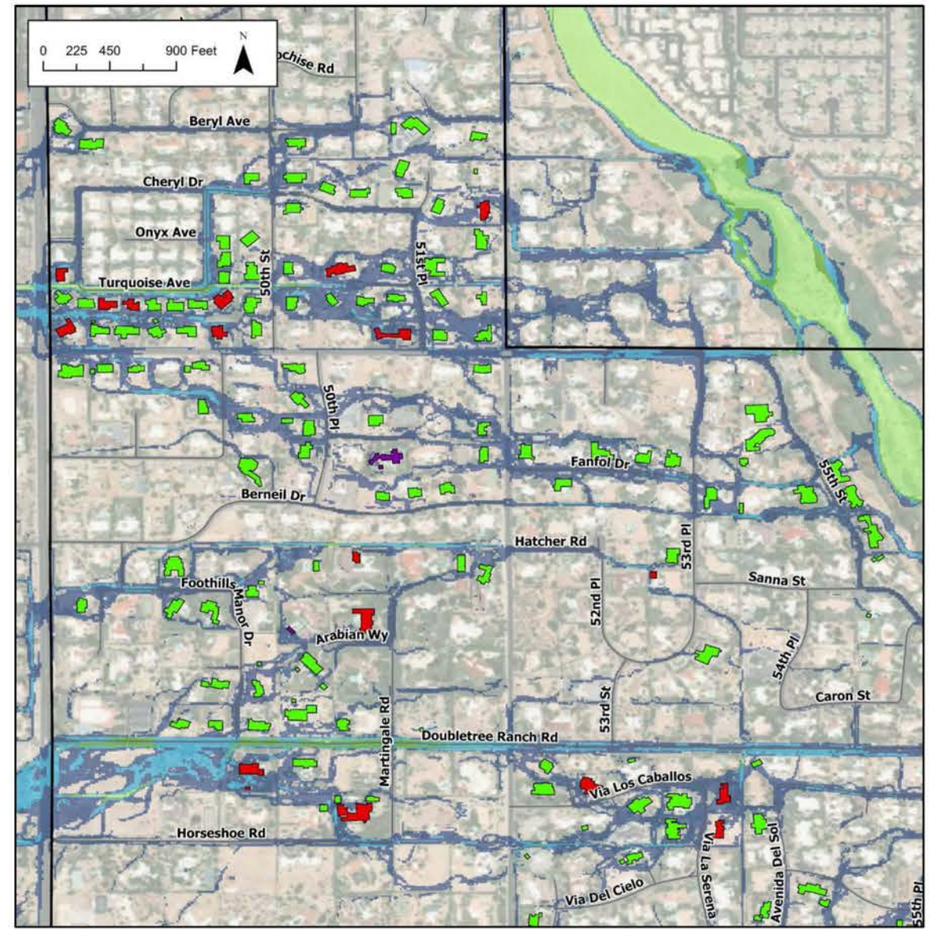
## AREA K EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA K SEDIMENT DEPOSTION POTENTIAL MAP

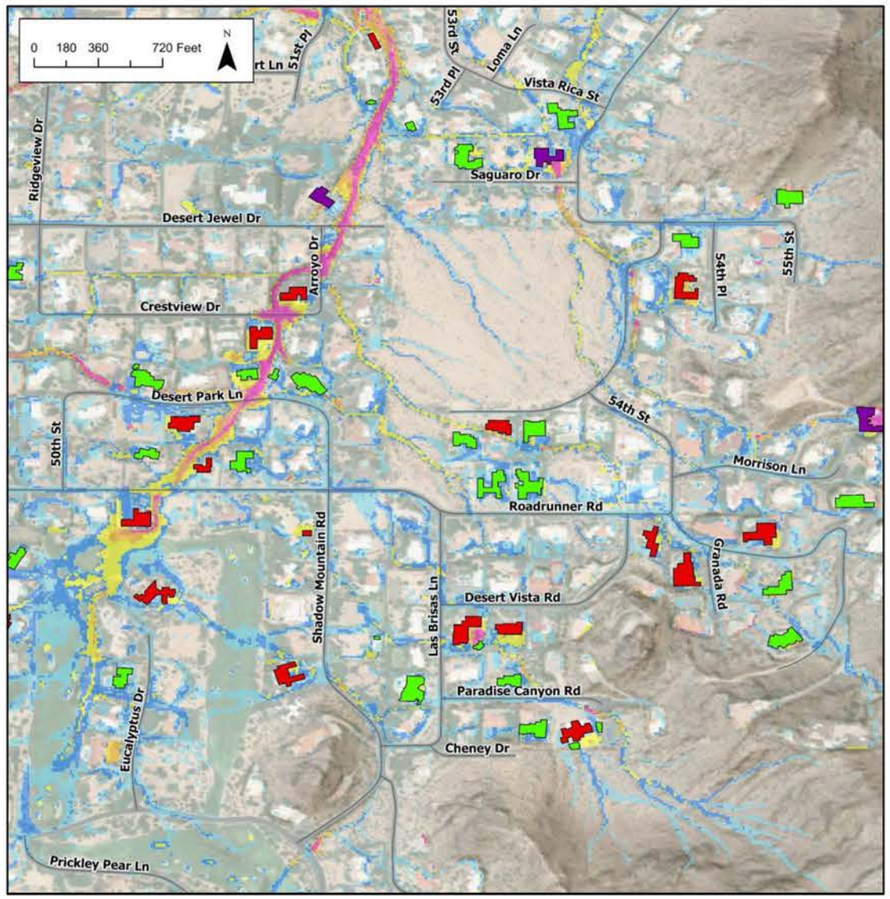



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: L




| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

**LOCATION:** *40th Desert Jewel Dr and Arroyo Dr*

**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2019 Drainage Improvement Area Technical Memorandum*
- *Existing low water crossings are undersized to carry the discharge from Cherokee Wash and lead to frequent road maintenance*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Desert Jewel Dr, Arroyo Dr, and Crestview Dr dry utilities*

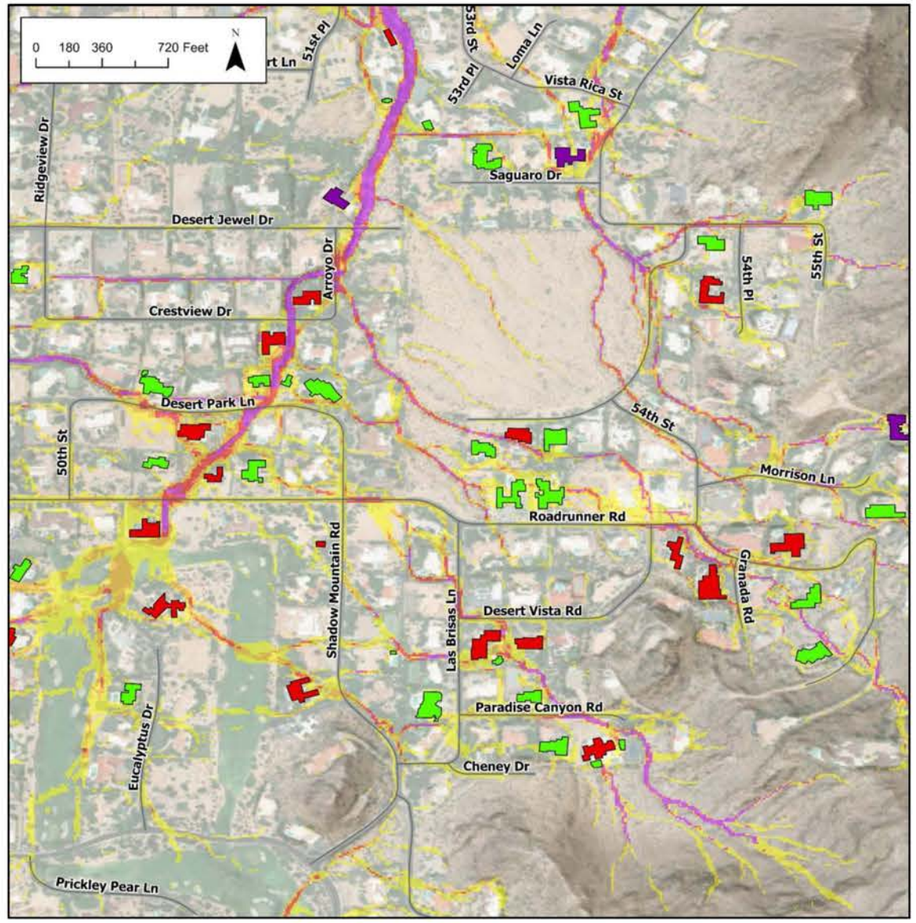
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *35* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 1 |
| ***Maximum Depth on Roads*** | 6.7 ft |
| ***Streets Overtopped by > 0.5 ft*** | 5 Local; 0 Collector |
| ***Potential to Impact Emergency Service Access*** | Yes |
| ***Flood Hazard Designation*** | Severe Flooding |

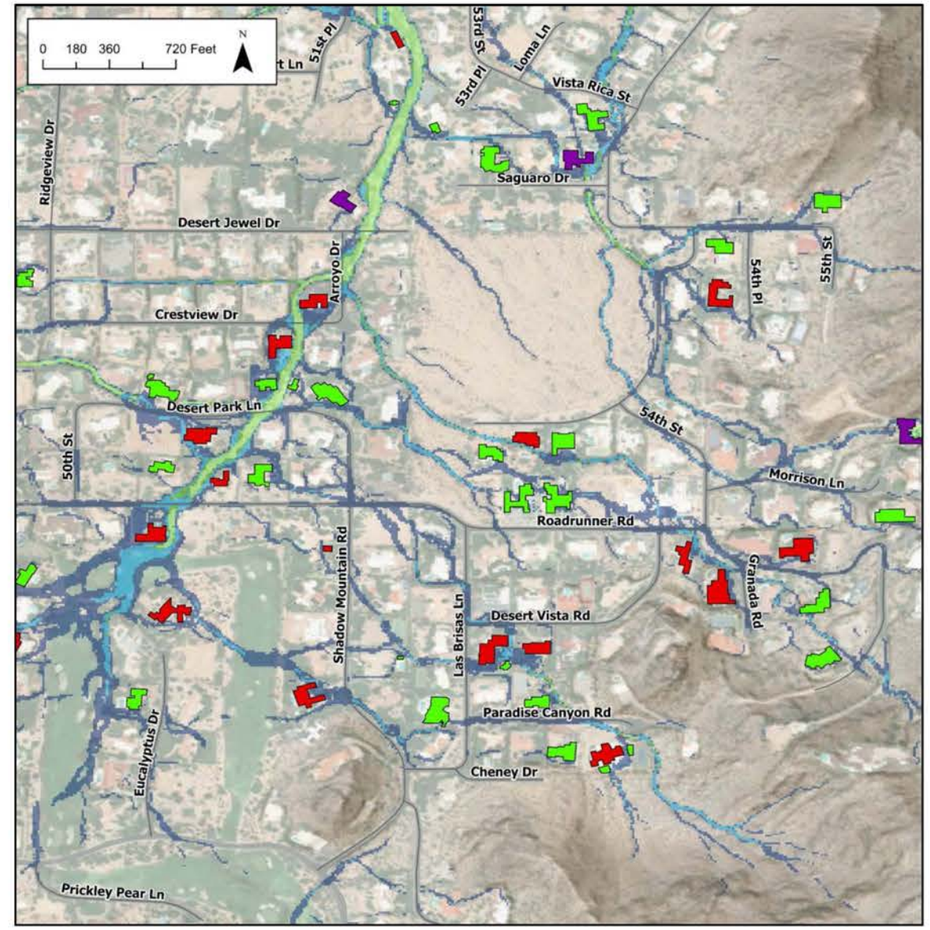
## AREA L EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA L SEDIMENT DEPOSTION POTENTIAL MAP

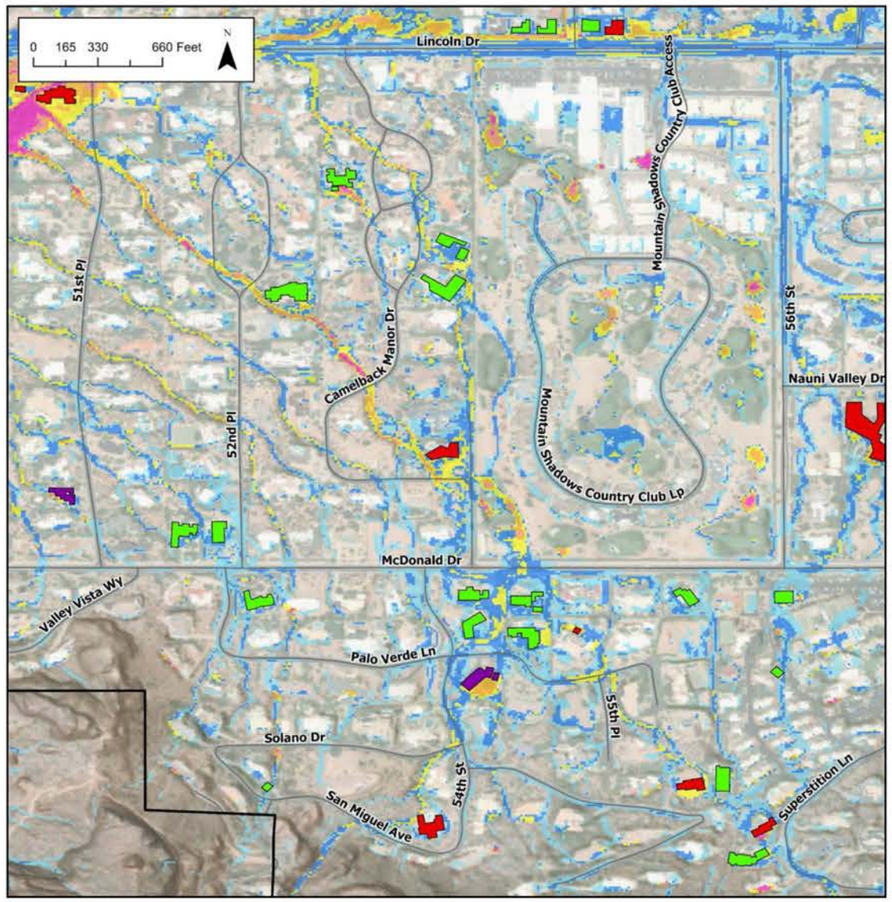



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: M




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

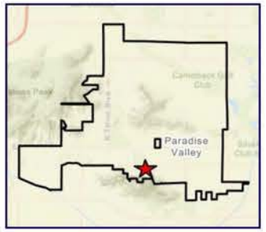
100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

**LOCATION:** *McDonald Drive and 54th Street*

**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2020 Cudia City Wash ADMS and the 2019 Drainage Improvement Areas Technical Memorandum, remains a flooding nuisance*
- *Flows from Camelback Mountain overtop local roads, depositing sediment and debris*




**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *McDonald Dr dry utilities*

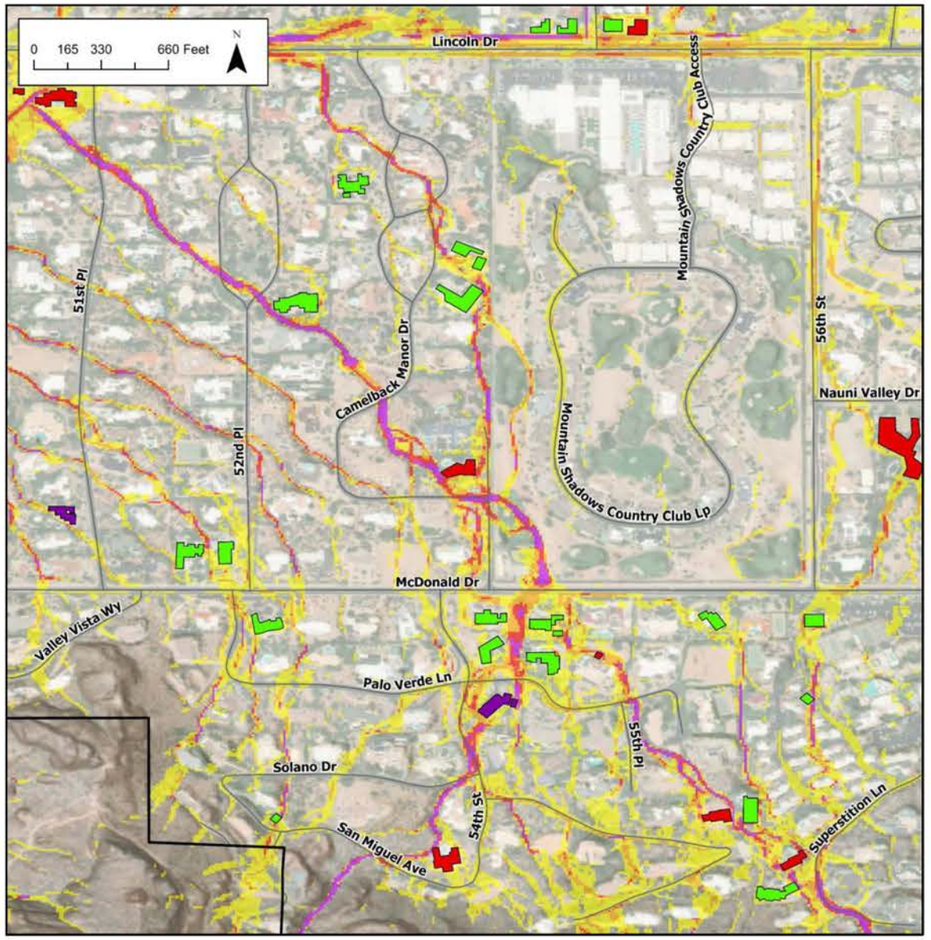
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *19* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 1 |
| ***Maximum Depth on Roads*** | 1.0 ft |
| ***Streets Overtopped by > 0.5 ft*** | 6 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

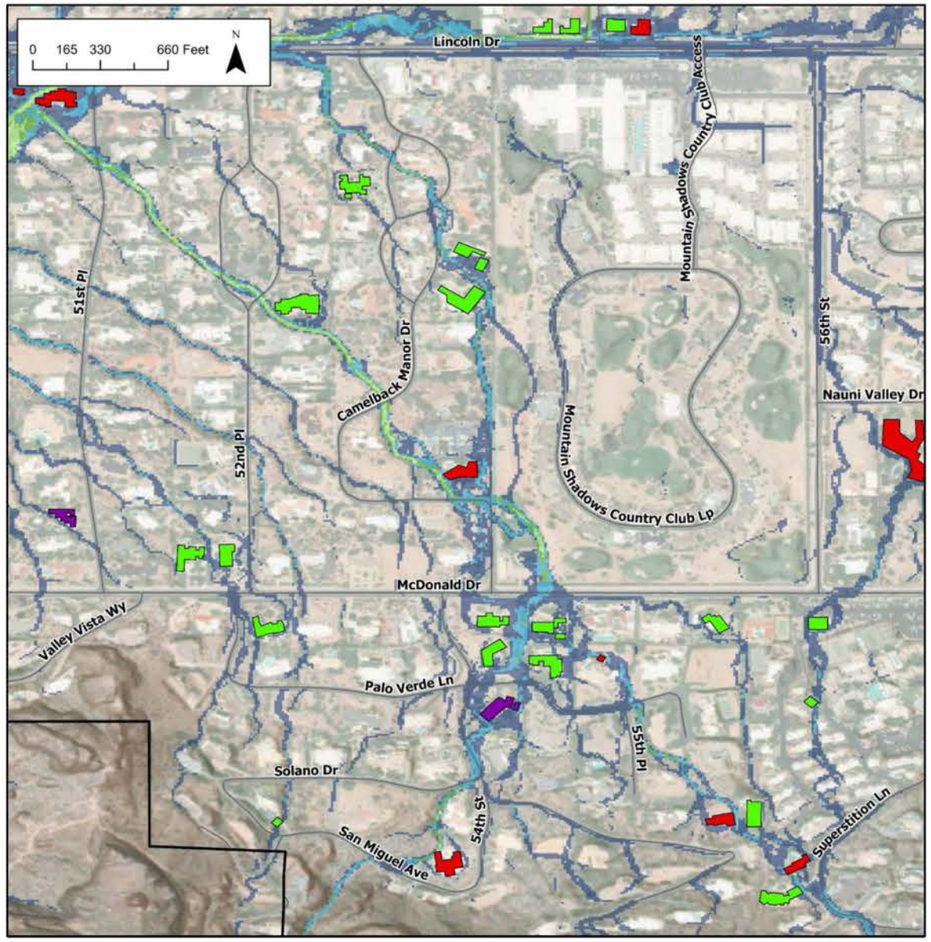
## AREA M EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA M SEDIMENT DEPOSTION POTENTIAL MAP

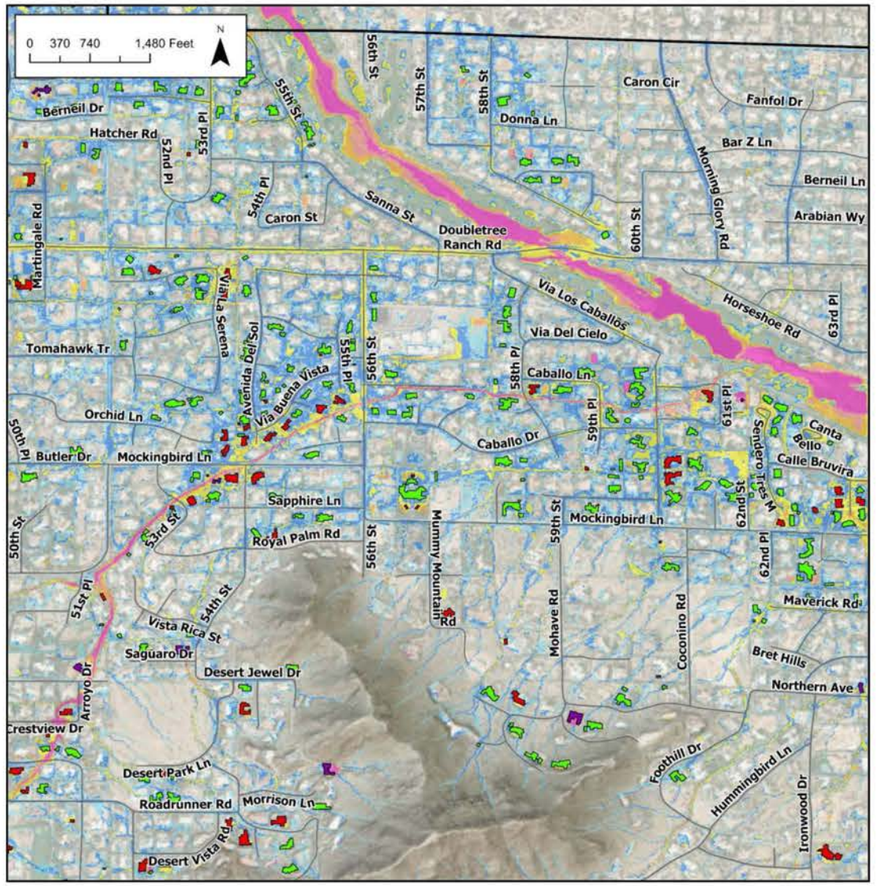



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: N



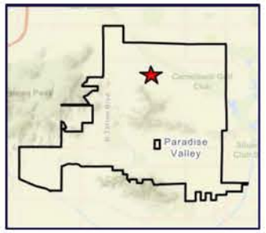

| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

**LOCATION:** *56th Street and Mockingbird Lane*

**PROBLEM DESCRIPTION:**

- *Identified as a problem by residents and town staff. Breakouts from Cherokee Wash flood homes and streets before out falling to Indian Bend Wash*
- *Existing Infrastructure identified as undersized*




**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Mockingbird Lane and 56th Street storm drains, dry utilities*

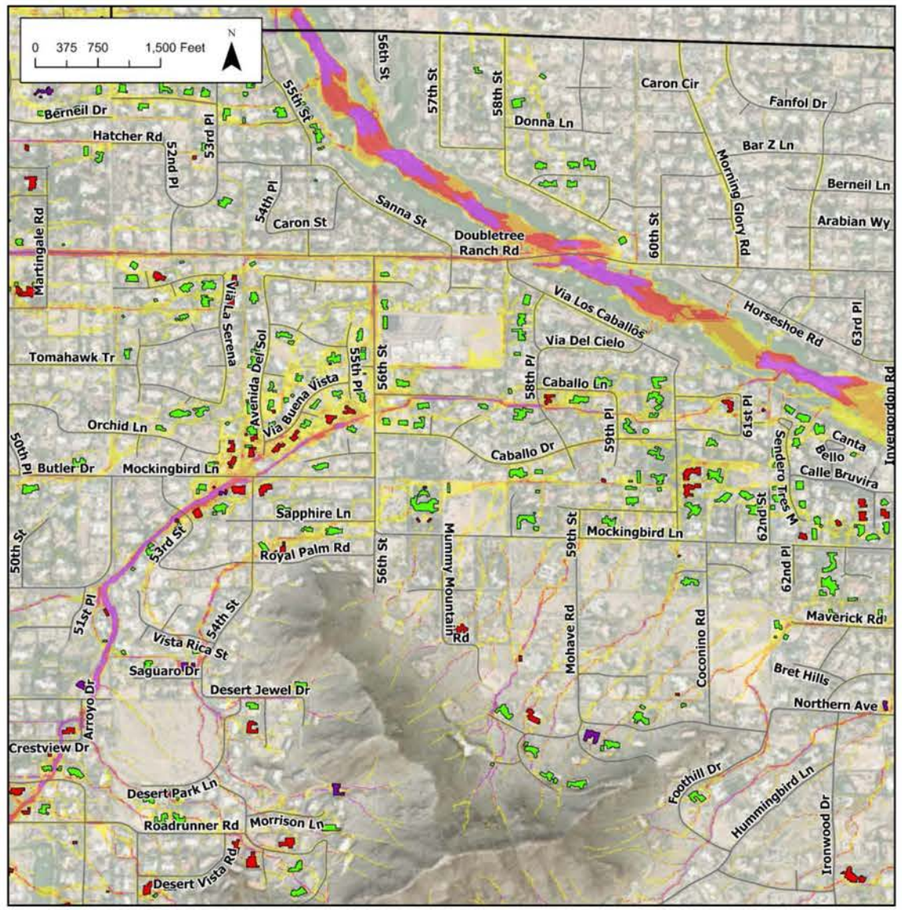
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *123* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 1 |
| ***Maximum Depth on Roads*** | 3.67 ft |
| ***Streets Overtopped by > 0.5 ft*** | 8 Local; 2 Collector |
| ***Potential to Impact Emergency Service Access*** | Yes |
| ***Flood Hazard Designation*** | Severe Flooding |

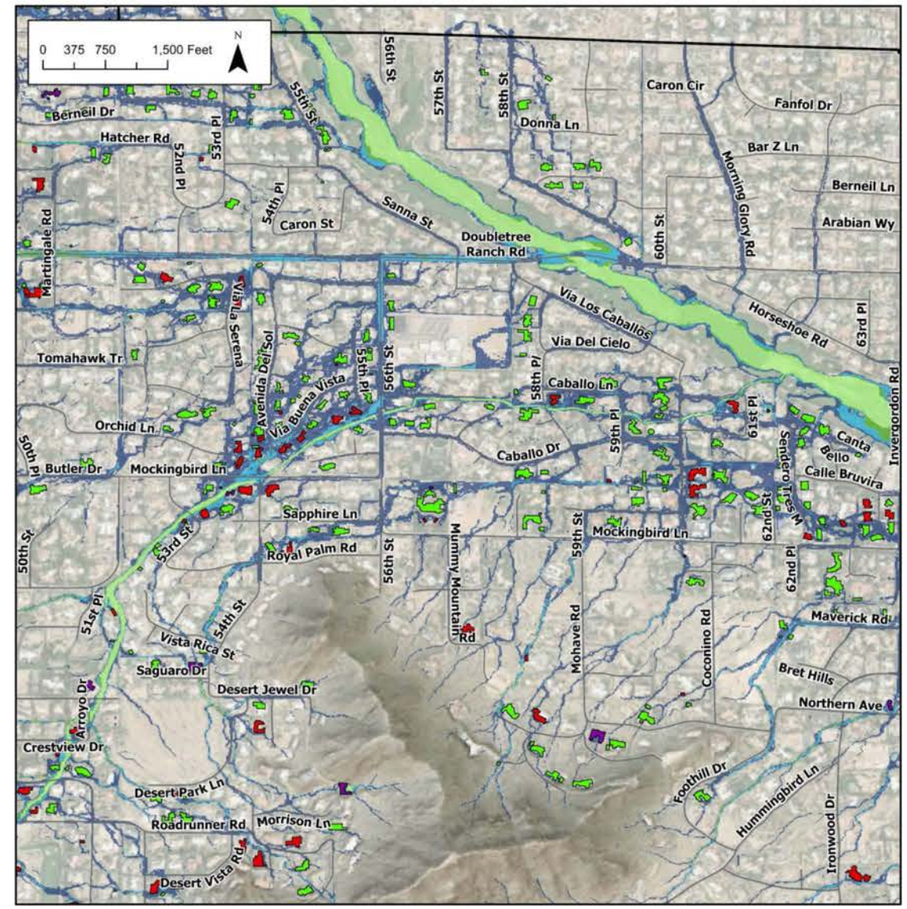
## AREA N EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA N SEDIMENT DEPOSTION POTENTIAL MAP

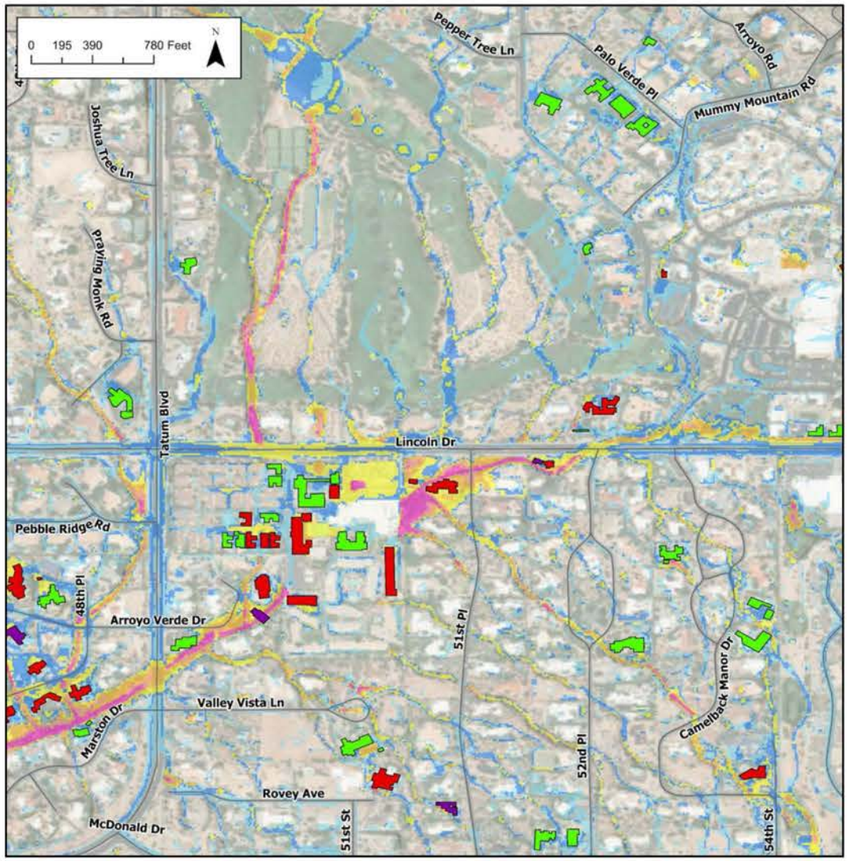



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: O

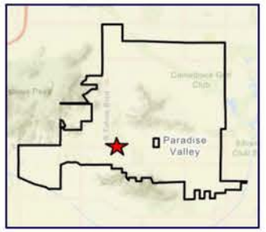



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

**LOCATION:** *Lincoln Drive and 51st Place*




**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a significant flooding hazard. Sediment deposition makes maintenance and cleanup routine after storm events*
- *Cudia City Wash overtop 40th St by greater than 4 ft*

**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Lincoln Dr and Tatum Blvd dry utilities*

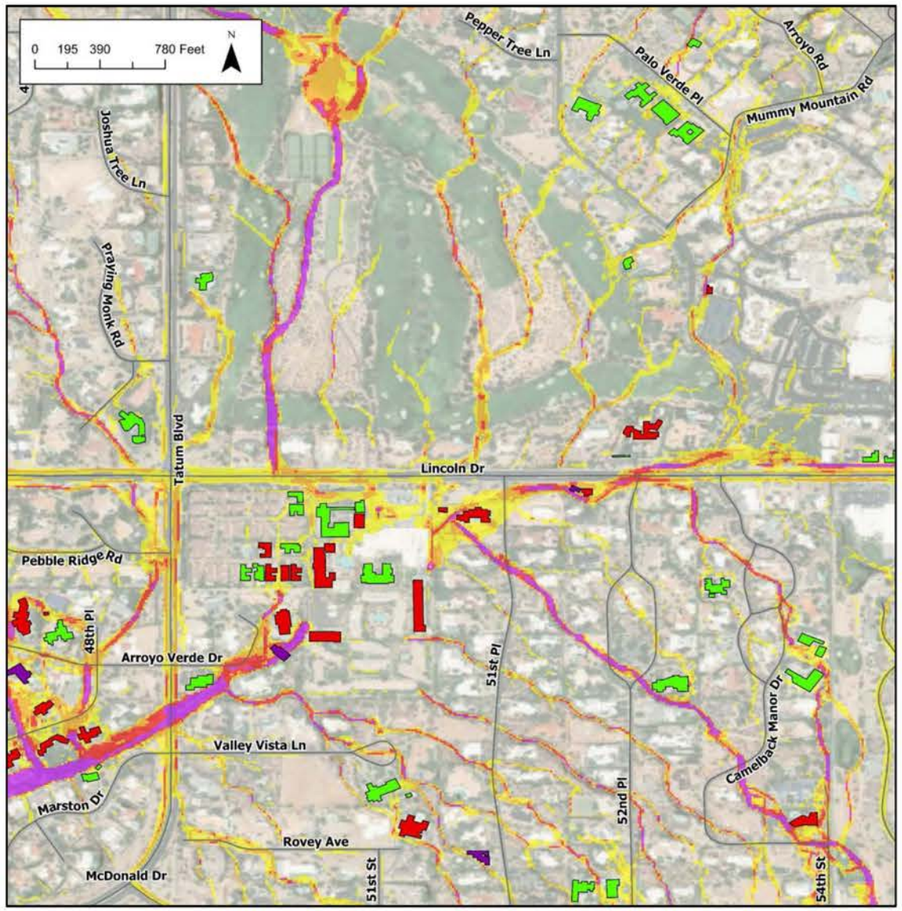
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *22* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 6 |
| ***Maximum Depth on Roads*** | 3.18 ft |
| ***Streets Overtopped by > 0.5 ft*** | 4 Local; 2 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Severe Flooding |

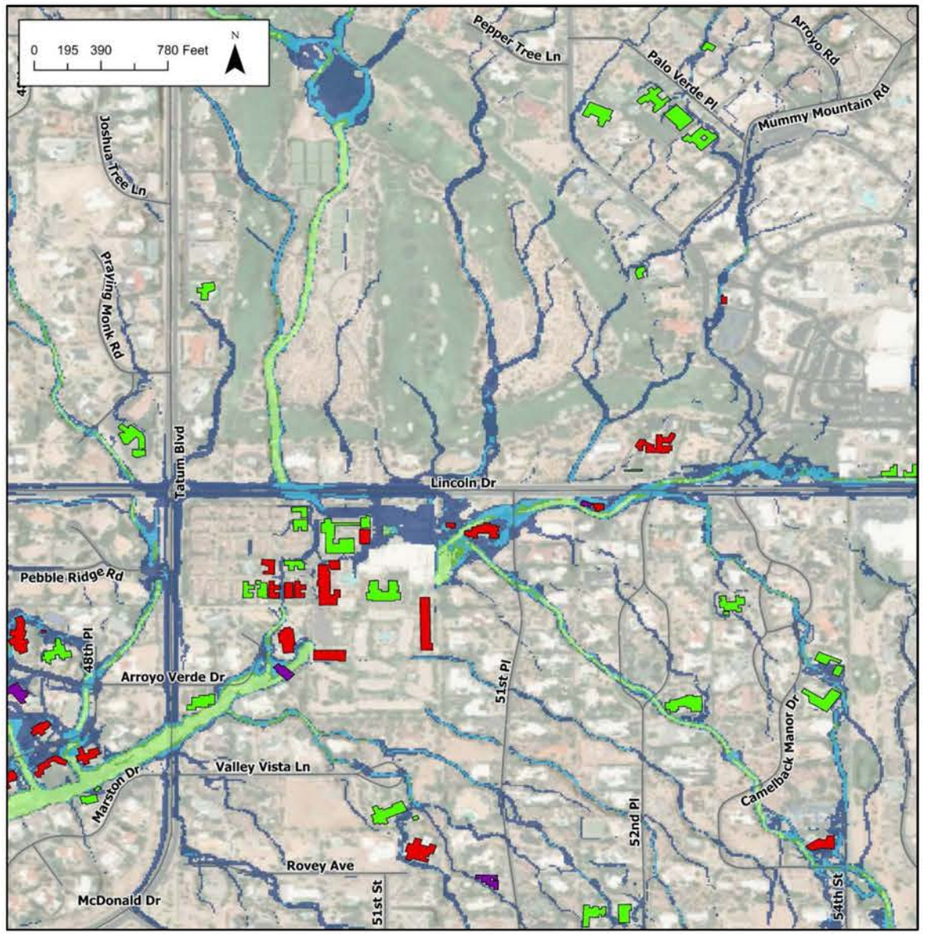
## AREA O EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA O SEDIMENT DEPOSTION POTENTIAL MAP

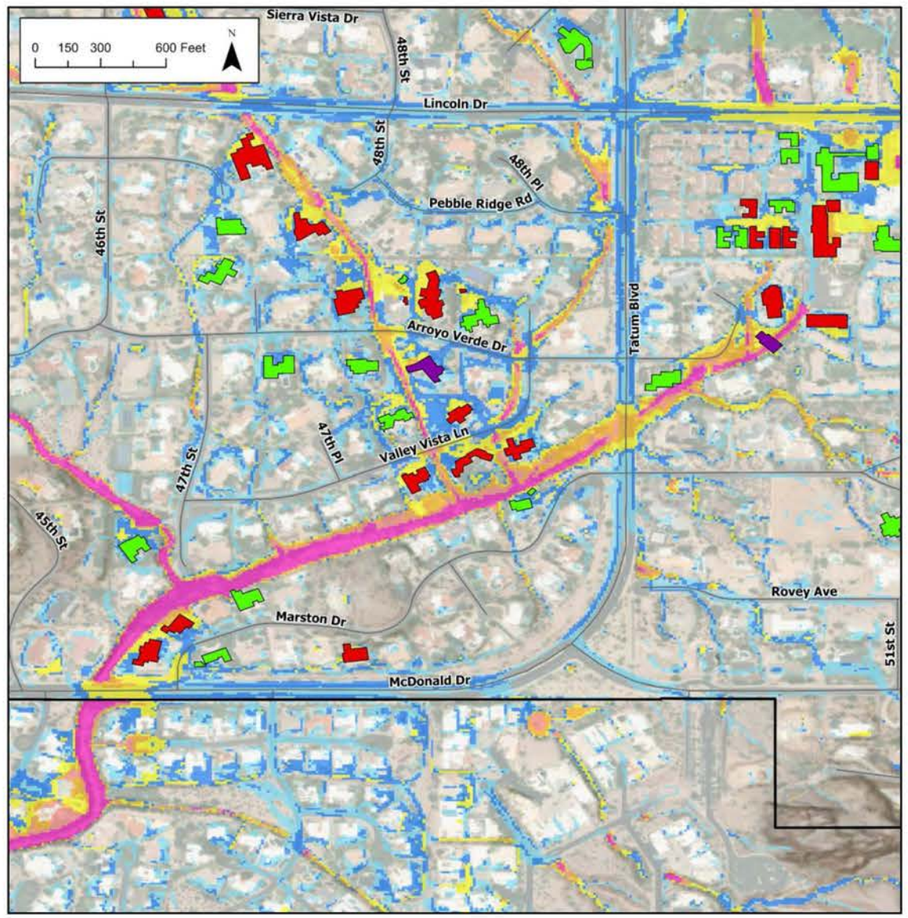



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: P



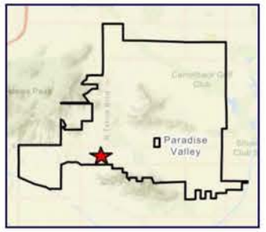

| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

**LOCATION:** *Tatum Blvd and McDonald Dr*

**PROBLEM DESCRIPTION:**

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a significant flooding hazard.*
- *Existing low water crossing at Tatum Blvd becomes inundated with significant sediment deposition. The existing culvert at McDonald Rd identified as undersized*




**FLOOD HAZARD IMPACT:** *Road overtopping, structure/property flooding*

**PROPERTY OWNERSHIP:** *Residential and Town Right of Way*

**POTENTIAL UTILITY CONFLICTS:** *Tatum Blvd and McDonald Dr dry utilities*

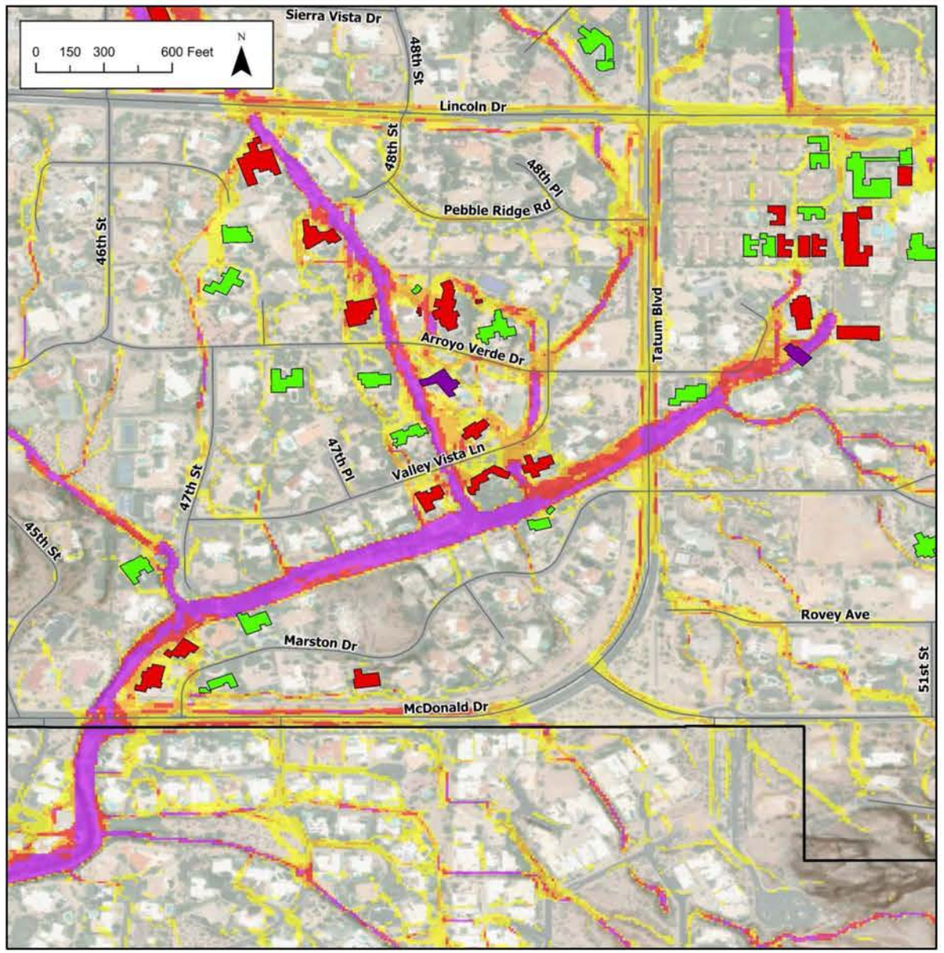
**POTENTIAL MITIGATION ALTERNATIVES**

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *17* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 3 |
| ***Maximum Depth on Roads*** | 2.9 ft |
| ***Streets Overtopped by > 0.5 ft*** | 2 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Severe Flooding |

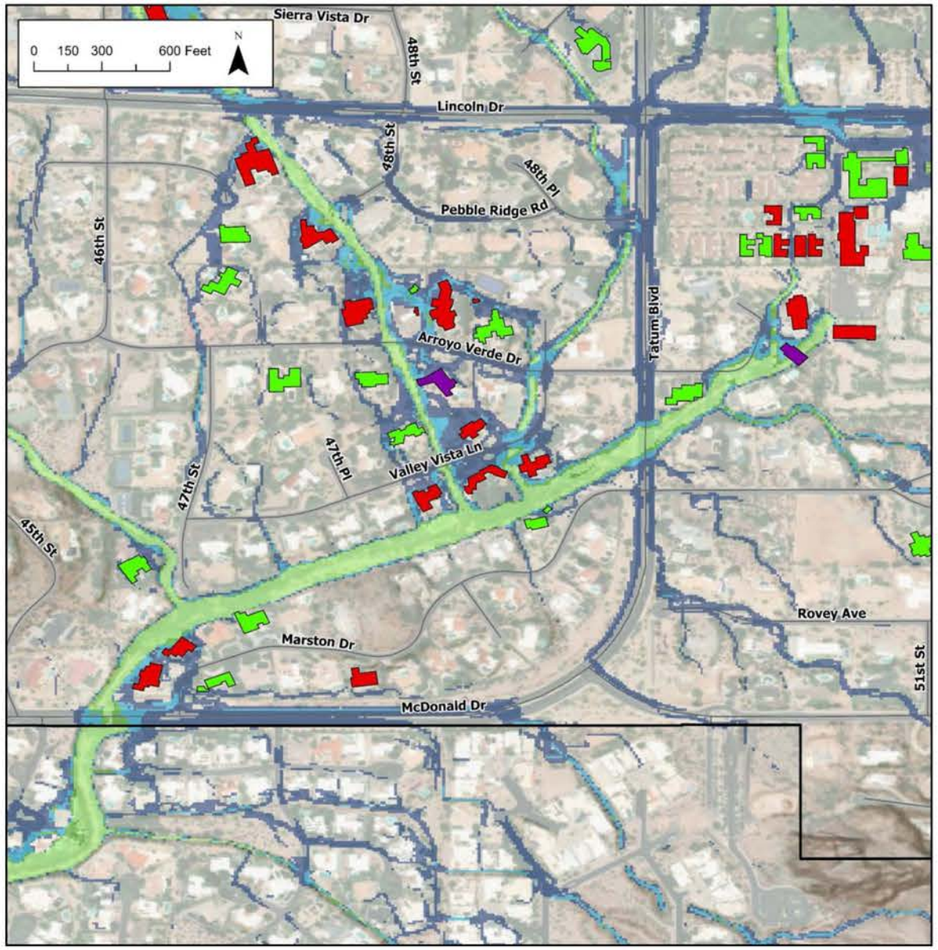
## AREA P EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA P SEDIMENT DEPOSTION POTENTIAL MAP

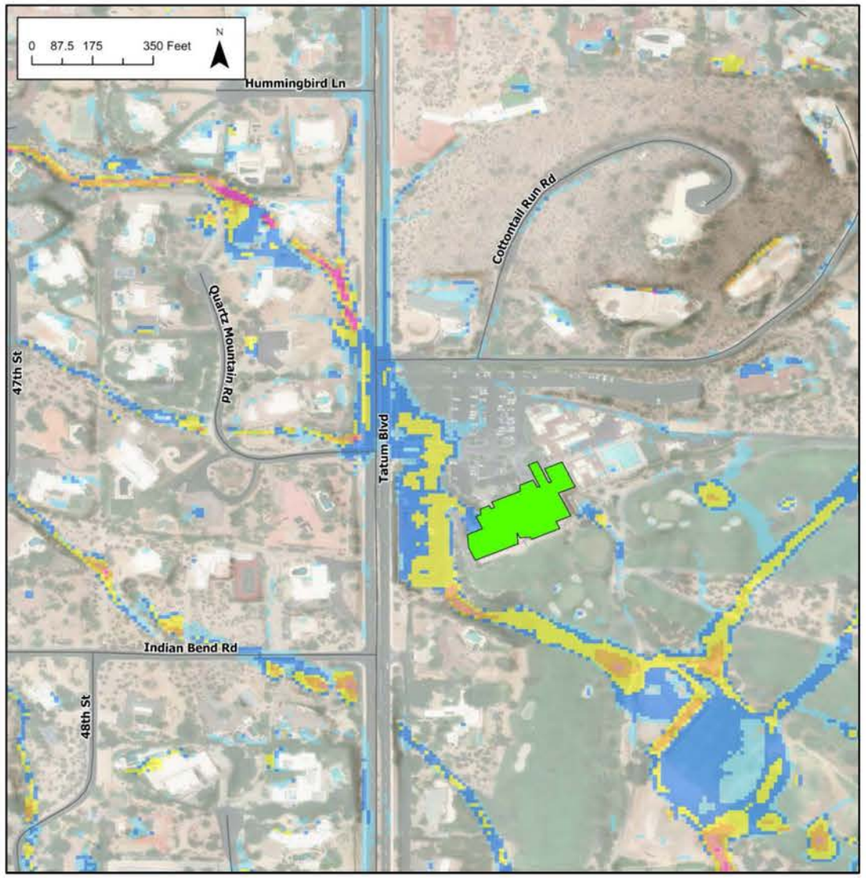



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: Q

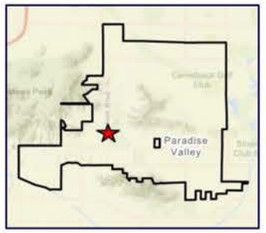



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

***LOCATION:*** *Tatum Blvd and Cottontail Run Rd*




***PROBLEM DESCRIPTION:***

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a significant flooding hazard. Vehicles have been stuck in the low water crossing during flooding*

***FLOOD HAZARD IMPACT:*** *Road overtopping, structure/property flooding*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *Tatum Blvd dry utilities*

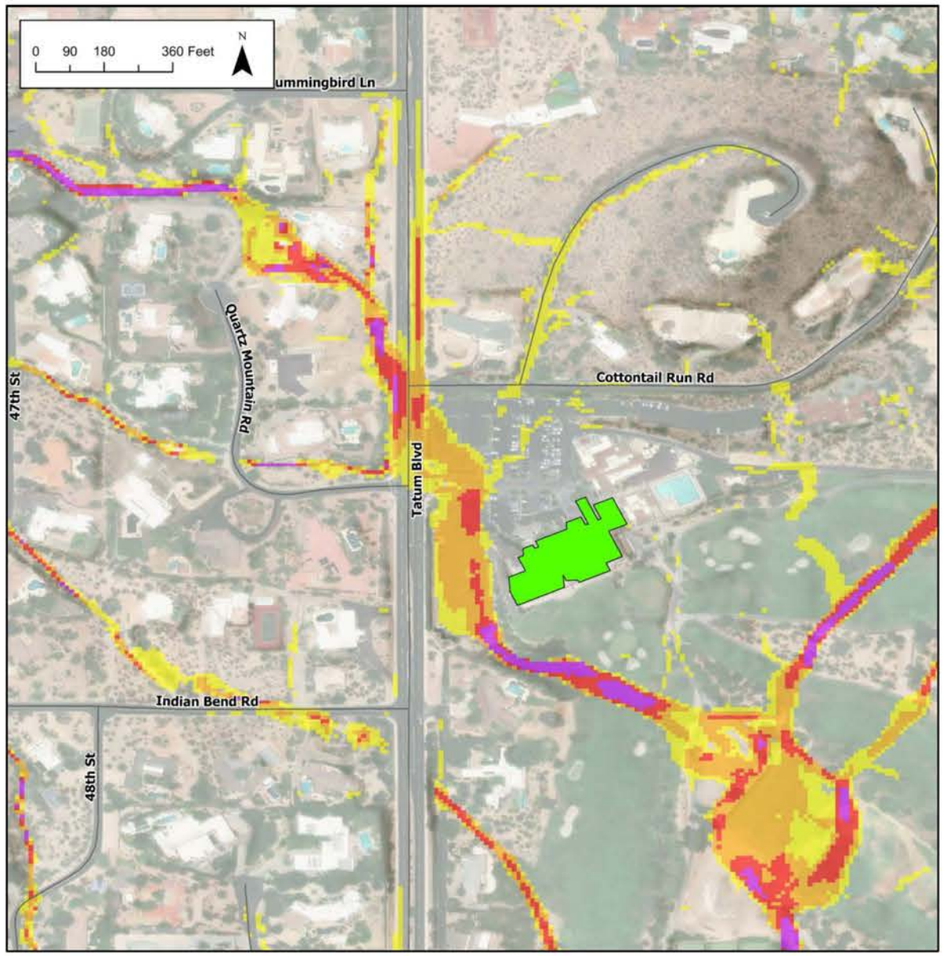
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *0* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 2 |
| ***Maximum Depth on Roads*** | 0.78 ft |
| ***Streets Overtopped by > 0.5 ft*** | 0 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Nuisance Flooding |

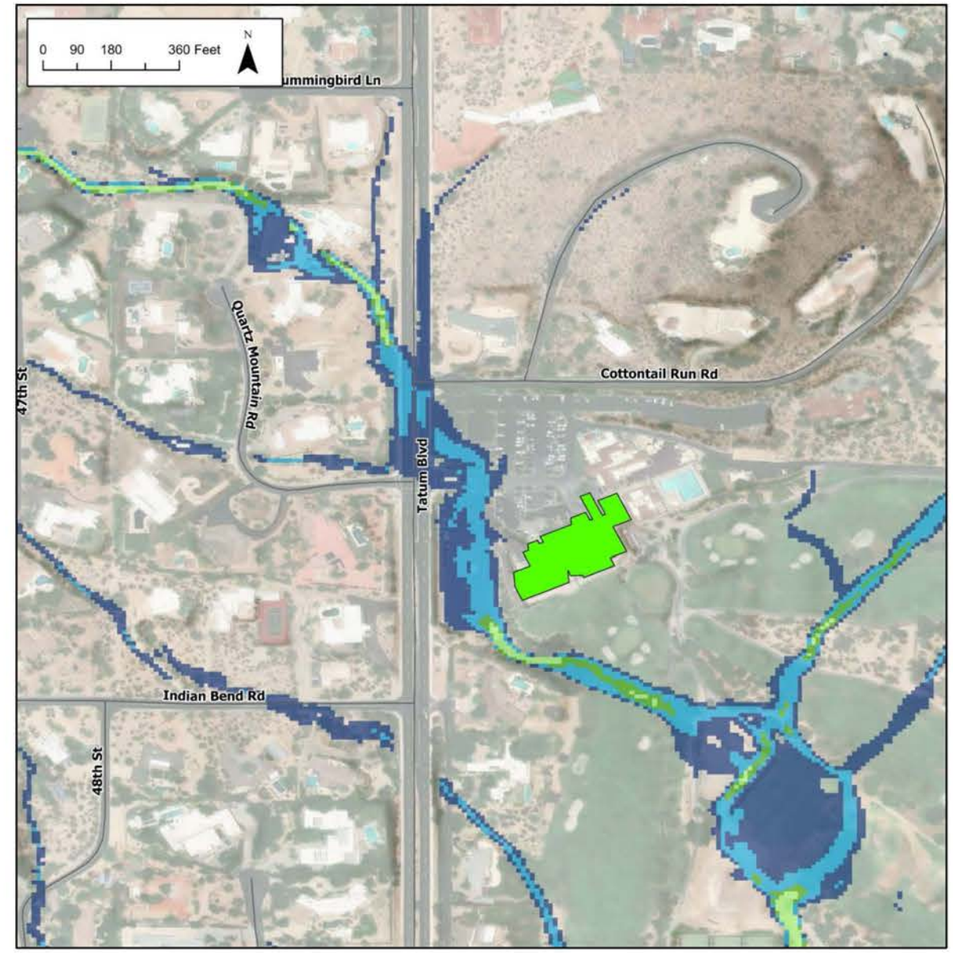
## AREA Q EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA Q SEDIMENT DEPOSTION POTENTIAL MAP

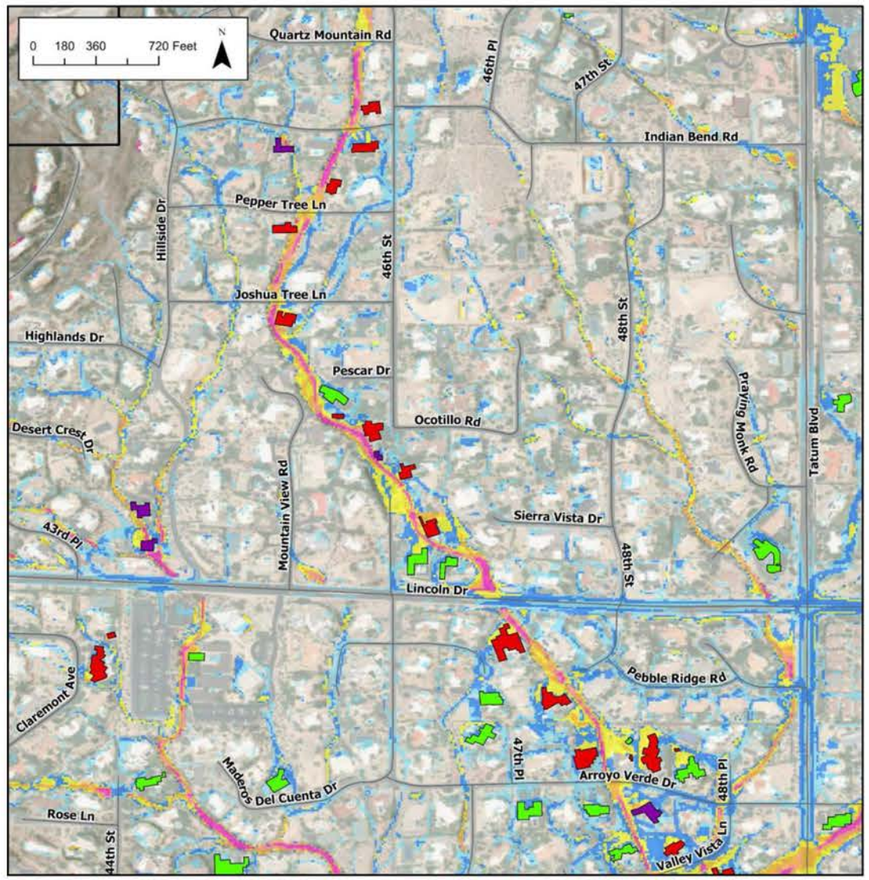



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: R

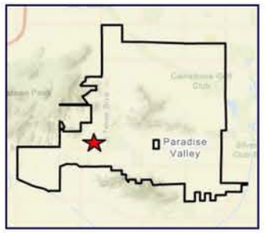



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

100yr, 6hr Max Flow Depths (ft)
- 0.0 - 0.25
- 0.26 - 0.5
- 0.51 - 1.0
- 1.01 - 2.0
- 2.01 - 3.0
- 3.01 - 4.0
- 4.01 - 27

## LOCATION DESCRIPTION

***LOCATION:*** *46th Street and Lincoln Drive*




***PROBLEM DESCRIPTION:***

- *Identified as a problem in the 2020 Cudia City Wash ADMS and remains a flooding hazard.*
- *Existing drainage infrastructure is undersized*

***FLOOD HAZARD IMPACT:*** *Road overtopping, structure/property flooding*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *Lincoln Dr dry utilities*

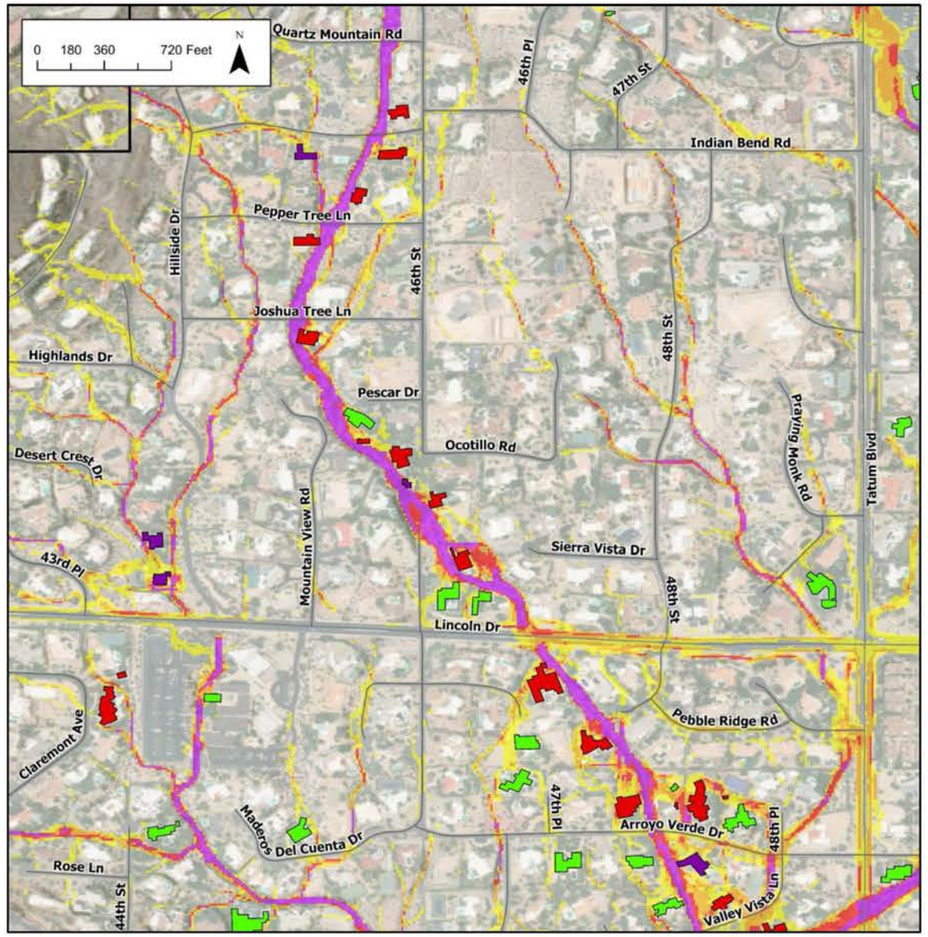
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *27* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 3 |
| ***Maximum Depth on Roads*** | 2.13 ft |
| ***Streets Overtopped by > 0.5 ft*** | 5 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | No |
| ***Flood Hazard Designation*** | Moderate Flooding |

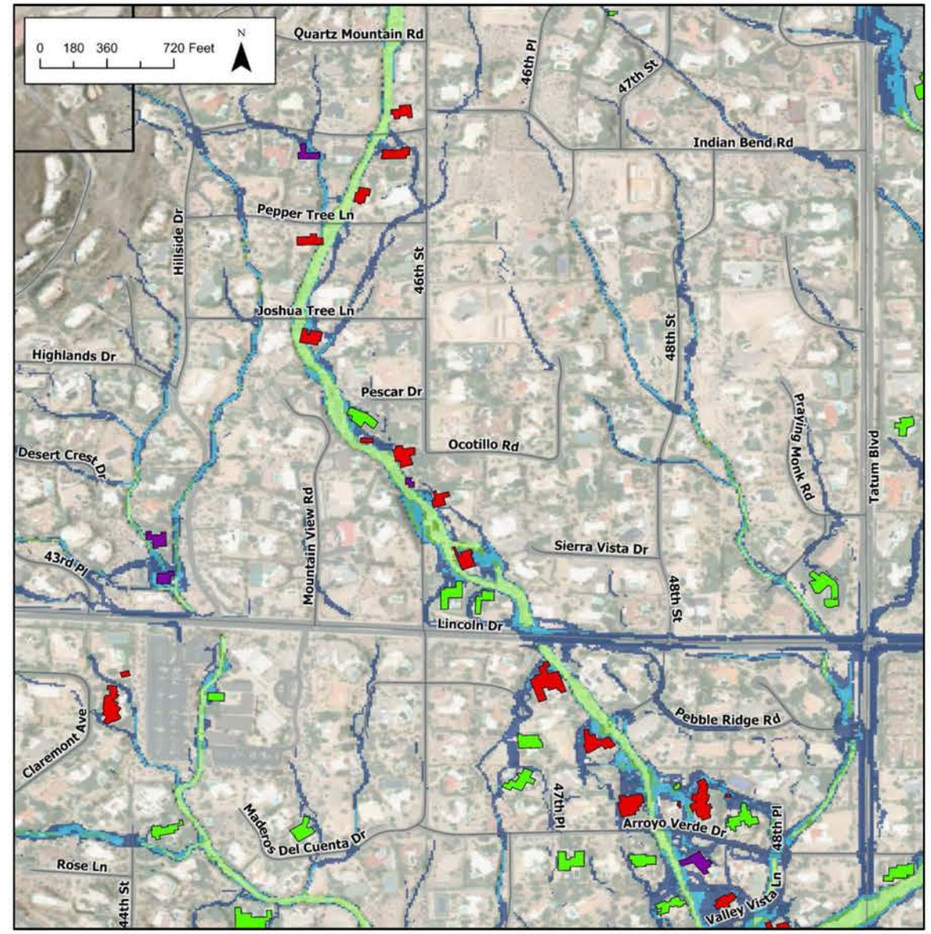
## AREA R EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA R SEDIMENT DEPOSTION POTENTIAL MAP

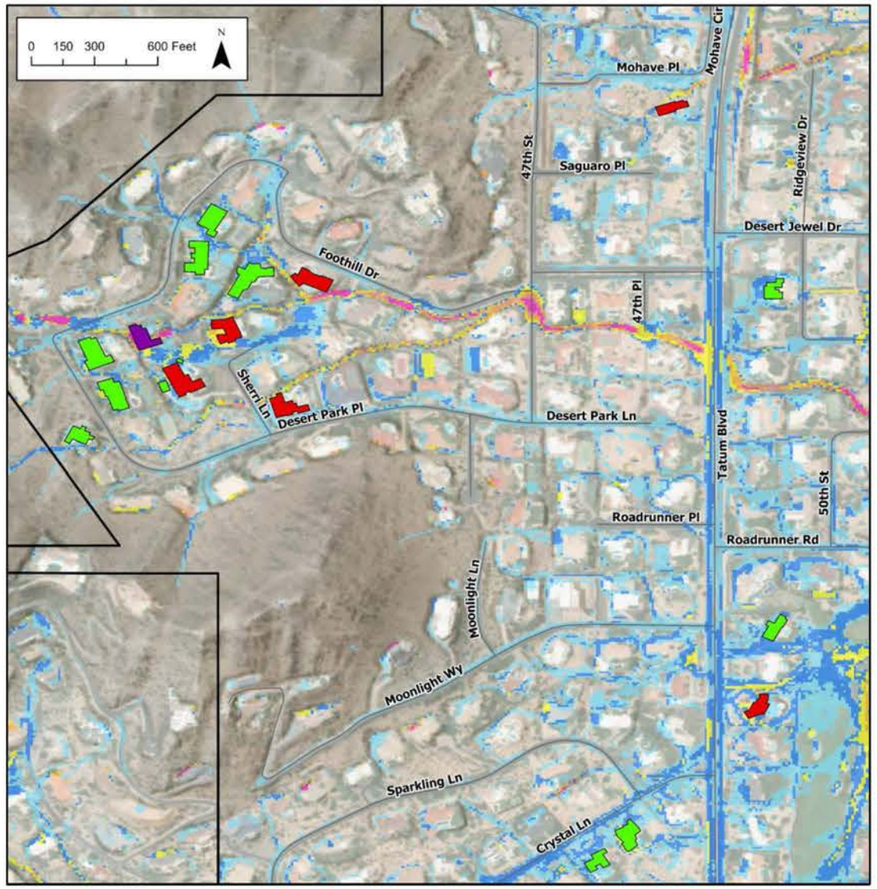



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# PARADISE VALLEY STORM WATER MASTER PLAN

## FLOOD HAZARD AREA: S




| 100yr Adjacent Building Depth | 100yr, 6hr Max Flow Depths (ft) |
|---|---|
| 6 in - 12 in | 0.0 - 0.25 |
| 12 in - 24 in | 0.26 - 0.5 |
| > 24 in | 0.51 - 1.0 |
| | 1.01 - 2.0 |
| | 2.01 - 3.0 |
| | 3.01 - 4.0 |
| | 4.01 - 27 |

## LOCATION DESCRIPTION

***LOCATION:*** *47th Street and Foothill Drive*

***PROBLEM DESCRIPTION:***

- *Identified as a problem in the 2019 Drainage Problem Areas Technical Memorandum, remaining a significant flooding hazard during major flood events*
- *Mountain runoff overtops 47th St by greater than 4 ft*

***FLOOD HAZARD IMPACT:*** *Road overtopping, structure/property flooding*

***PROPERTY OWNERSHIP:*** *Residential and Town Right of Way*

***POTENTIAL UTILITY CONFLICTS:*** *Tatum Blvd storm drain and dry utilities*

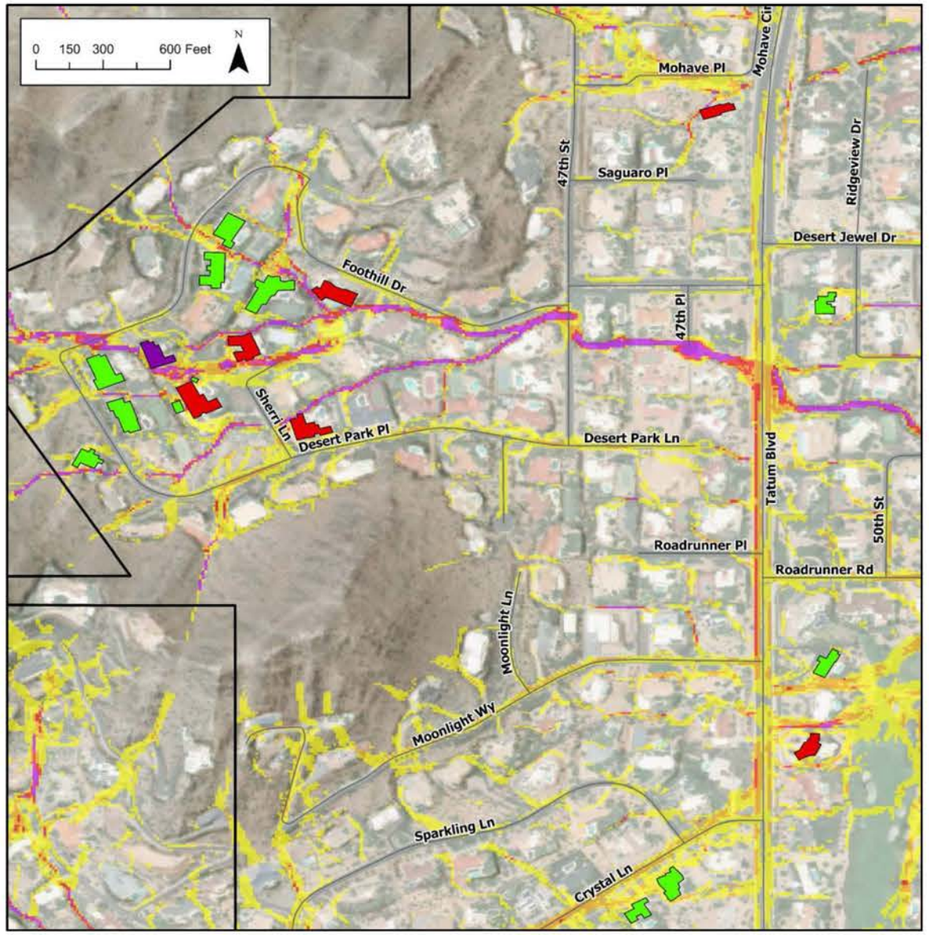
***POTENTIAL MITIGATION ALTERNATIVES***

- *Storm Drain*
- *Culverts*

## IDENTIFIED FLOOD RISKS AND HAZARD CHARACTERIZATIONS

| | |
|---|---|
| ***Number of Impacted Structures*** | *14* |
| ***Number of Hydraulic Structures Identified as Undersized*** | 2 |
| ***Maximum Depth on Roads*** | 4.32 ft |
| ***Streets Overtopped by > 0.5 ft*** | 1 Local; 1 Collector |
| ***Potential to Impact Emergency Service Access*** | Yes |
| ***Flood Hazard Designation*** | Severe Flooding |

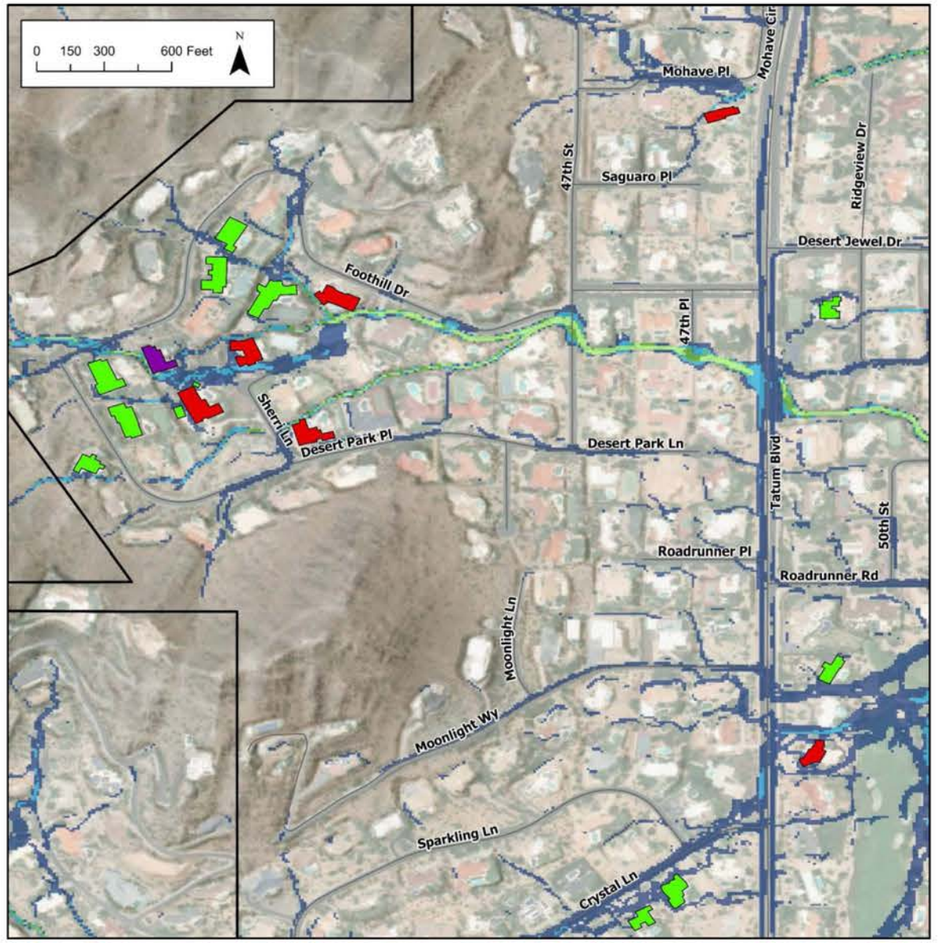
## AREA S EROSION POTENTIAL MAP




100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Erosion Potential
- Extreme Erosion Potential
- High Erosion Potential
- Moderate Erosion Potential
- Low Erosion Potential

## AREA S SEDIMENT DEPOSTION POTENTIAL MAP

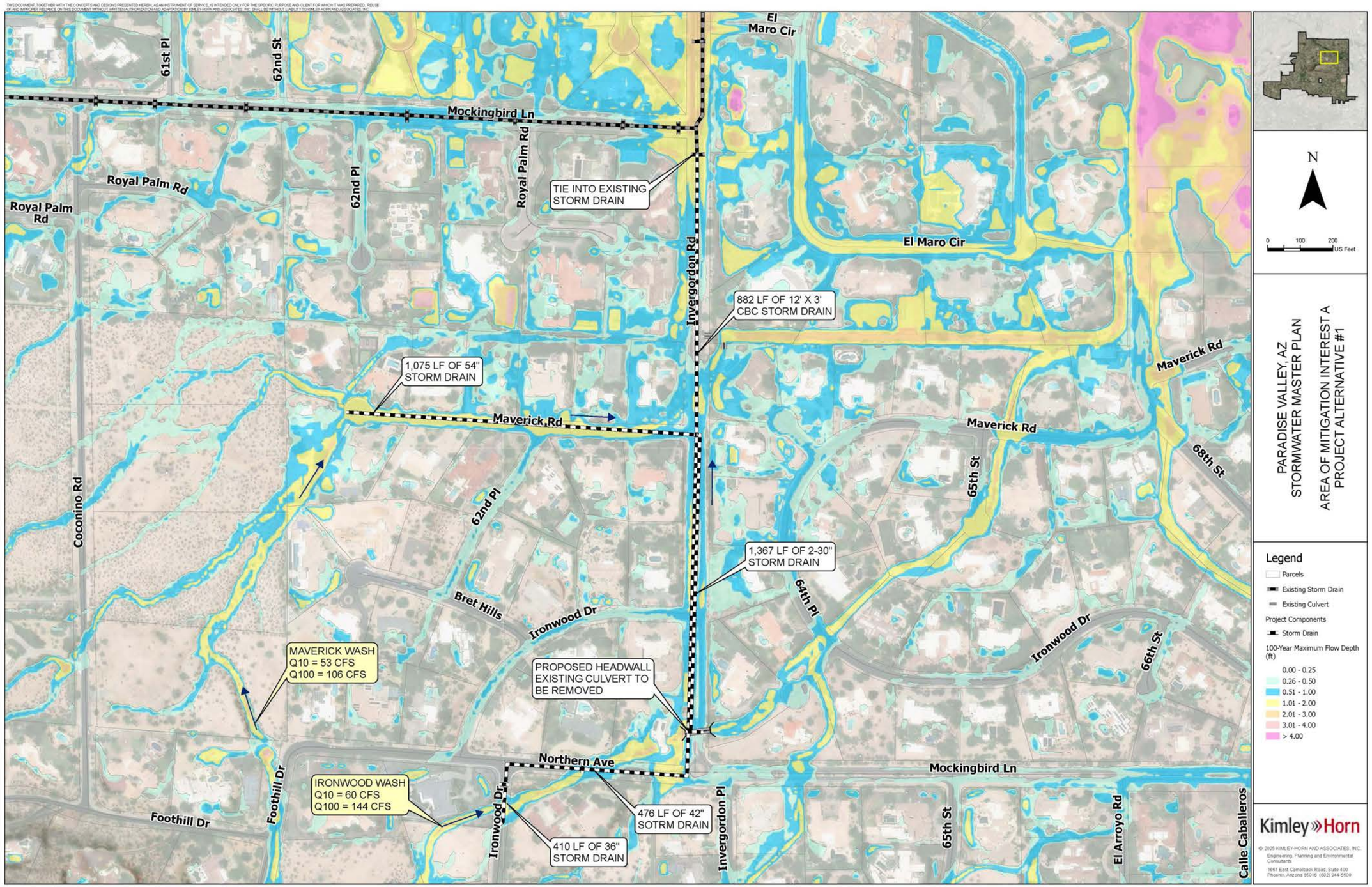



100yr Adjacent Building Depth
- 6 in - 12 in
- 12 in - 24 in
- > 24 in

Sediment Deposition Potential
- Low Deposition Potential
- Moderate Deposition Potential
- High Deposition Potential
- Extreme Deposition Potential

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA A ALTERNATIVES


61st Pl
62nd St
Mockingbird Ln
El Maro Cir
Royal Palm Rd
Royal Palm Rd
62nd Pl
Royal Palm Rd
TIE INTO EXISTING STORM DRAIN
Invergordon Rd
El Maro Cir
882 LF OF 12' X 3' CBC STORM DRAIN
Maverick Rd
1,075 LF OF 54" STORM DRAIN
Maverick Rd
Maverick Rd
68th St
65th St
Coconino Rd
62nd Pl
1,367 LF OF 2-30" STORM DRAIN
64th Pl
Bret Hills
Ironwood Dr
Ironwood Dr
66th St
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL EXISTING CULVERT TO BE REMOVED
Northern Ave
Mockingbird Ln
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Foothill Dr
Foothill Dr
Ironwood Dr
476 LF OF 42" SOTRM DRAIN
410 LF OF 36" STORM DRAIN
Invergordon Pl
65th St
El Arroyo Rd
Calle Caballeros
N
0 100 200 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST A
PROJECT ALTERNATIVE #1
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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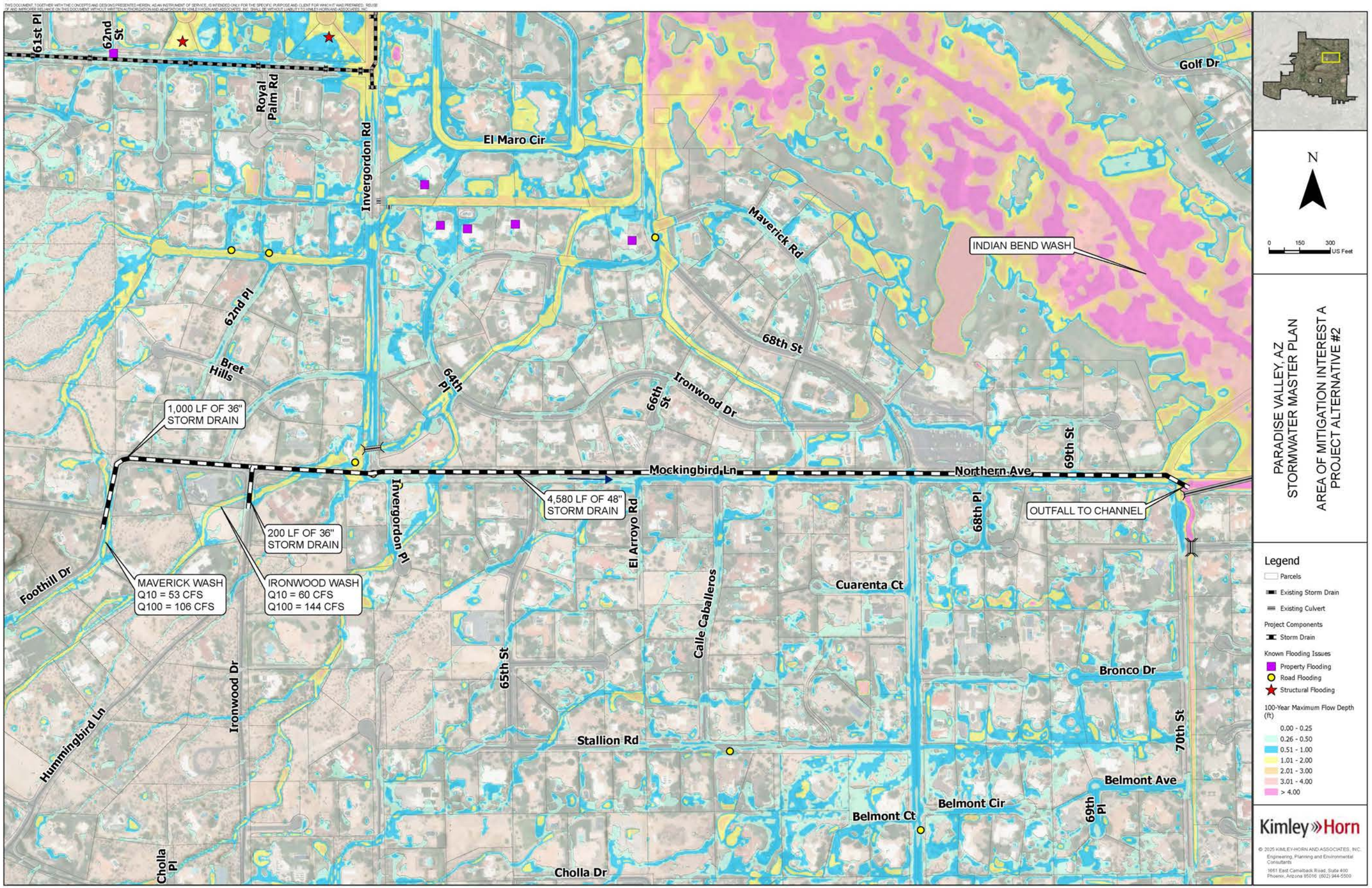
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 12' x 3' RCBC | LF | 1,770 | $1,250 | $2,212,500 |
| 2 | 36" RCP Storm Drain | LF | 1,050 | $320 | $336,000 |
| 3 | Storm Drain Connection | EA | 1 | $3,500 | $3,500 |
| 4 | Catch Basin | EA | 21 | $12,000 | $252,000 |
| 5 | Manhole | EA | 25 | $10,000 | $250,000 |
| 6 | Inlet Structure | EA | 2 | $25,000 | $50,000 |
| | | | | Subtotal | 3,104,000 |
| 7 | SWPPP (2%) | LS | 1 | $62,080 | $62,080 |
| 8 | Mobilization/Demobilization (10%) | LS | 1 | $310,400 | $310,400 |
| 9 | Design (12%) | LS | 1 | $372,480 | $372,480 |
| 10 | Construction Management (10%) | LS | 1 | $310,400 | $310,400 |
| 11 | Utilities (3%) | LS | 1 | $93,120 | $93,120 |
| 12 | Traffic Control (3%) | LS | 1 | $93,120 | $93,120 |
| | | | | Subtotal | $4,345,600 |
| | | | | Contingency (15%) | $651,840 |
| | | | | Total | $4,997,440 |


61st Pl
62nd St
Royal Palm Rd
Invergordon Rd
El Maro Cir
Golf Dr
Maverick Rd
INDIAN BEND WASH
62nd Pl
Bret Hills
64th Pl
66th St
Ironwood Dr
68th St
69th St
1,000 LF OF 36" STORM DRAIN
Mockingbird Ln
Northern Ave
4,580 LF OF 48" STORM DRAIN
OUTFALL TO CHANNEL
200 LF OF 36" STORM DRAIN
Invergordon Pl
El Arroyo Rd
68th Pl
Foothill Dr
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Calle Caballeros
Cuarenta Ct
65th St
Bronco Dr
70th St
Hummingbird Ln
Ironwood Dr
Stallion Rd
Belmont Ave
Belmont Cir
Belmont Ct
69th Pl
Cholla Pl
Cholla Dr
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST A
PROJECT ALTERNATIVE #2
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 2

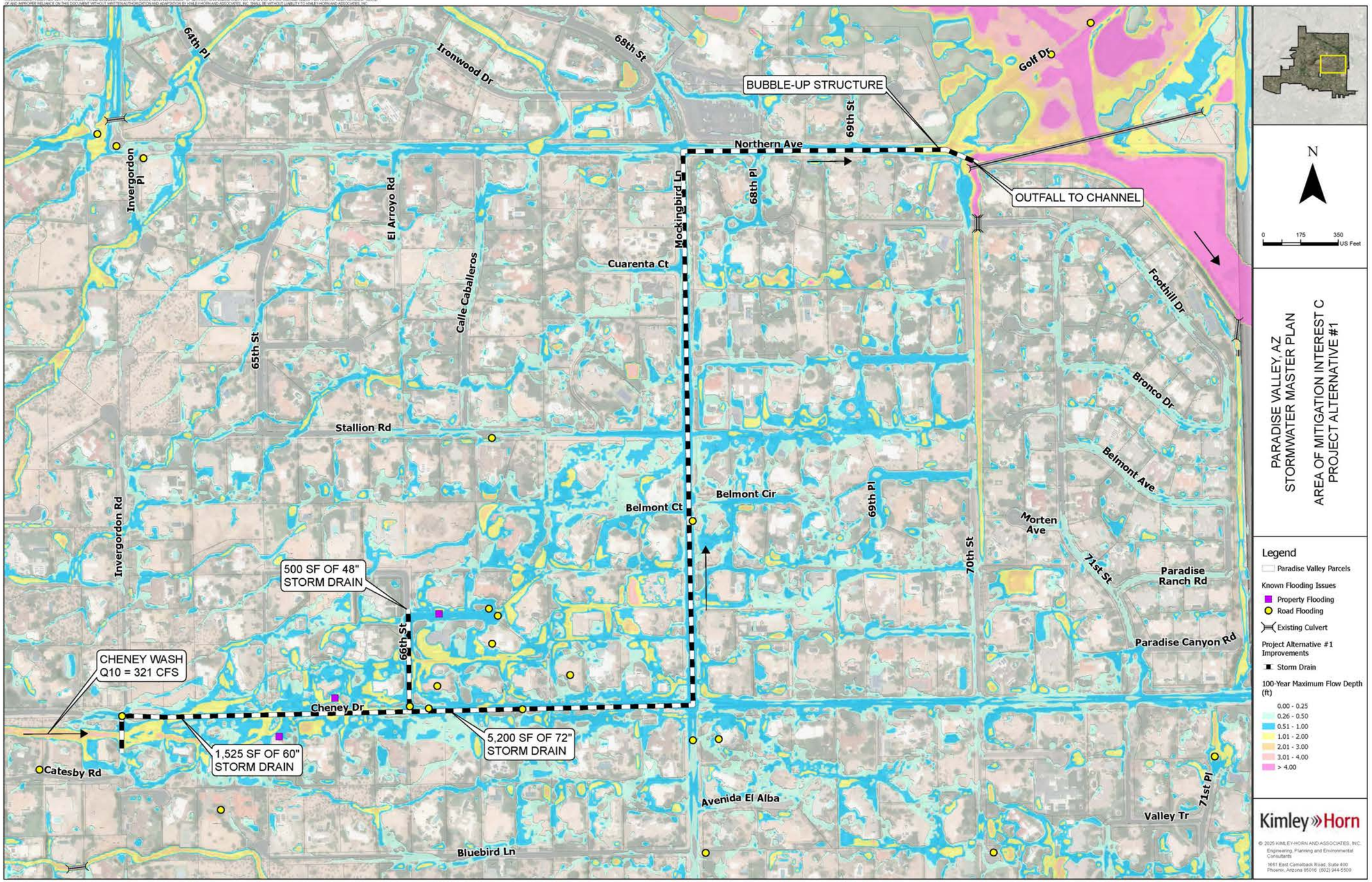
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 36" RCP Storm Drain | LF | 1,200 | $320 | $384,000 |
| 2 | 48" RCP Storm Drain | LF | 4,580 | $525 | $2,404,500 |
| 3 | Outlet Structure | EA | 1 | $2,100 | $2,100 |
| 4 | Catch Basin | EA | 27 | $12,000 | $324,000 |
| 5 | Manhole | EA | 32 | $10,000 | $320,000 |
| | | | | Subtotal | 3,434,600 |
| 6 | SWPPP (1%) | LS | 1 | $34,346 | $34,346 |
| 7 | Mobilization/Demobilization (10%) | LS | 1 | $343,460 | $343,460 |
| 8 | Design (12%) | LS | 1 | $412,152 | $412,152 |
| 9 | Construction Management (10%) | LS | 1 | $343,460 | $343,460 |
| 10 | Utilities (3%) | LS | 1 | $103,038 | $103,038 |
| 11 | Traffic Control (3%) | LS | 1 | $103,038 | $103,038 |
| | | | | Subtotal | $4,774,094 |
| | | | | Contingency (15%) | $716,114 |
| | | | | Total | $5,490,208 |

## Area A Project Matrix

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Acquisition |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **1** | **2** | **2** | **1** | **2** | **1** | **2** | **1** | **12** | **43** | **No** |
| **Alternative 2** | **1** | **1** | **2** | **1** | **2** | **1** | **2** | **1** | **11** | **38** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Highest achievable score | 67 - Highest achievable score | |

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA C ALTERNATIVES


64th Pl
Ironwood Dr
68th St
Golf Dr
BUBBLE-UP STRUCTURE
69th St
Northern Ave
Invergordon Pl
El Arroyo Rd
Mockingbird Ln
68th Pl
OUTFALL TO CHANNEL
Cuarenta Ct
Calle Caballeros
Foothill Dr
65th St
Bronco Dr
Stallion Rd
Belmont Ave
Belmont Cir
Belmont Ct
69th Pl
Morten Ave
Invergordon Rd
70th St
71st St
Paradise Ranch Rd
500 SF OF 48" STORM DRAIN
66th St
Paradise Canyon Rd
CHENEY WASH Q10 = 321 CFS
Cheney Dr
5,200 SF OF 72" STORM DRAIN
1,525 SF OF 60" STORM DRAIN
Catesby Rd
Avenida El Alba
71st Pl
Valley Tr
Bluebird Ln
N
0 175 350 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST C
PROJECT ALTERNATIVE #1
Legend
Paradise Valley Parcels
Known Flooding Issues
Property Flooding
Road Flooding
Existing Culvert
Project Alternative #1 Improvements
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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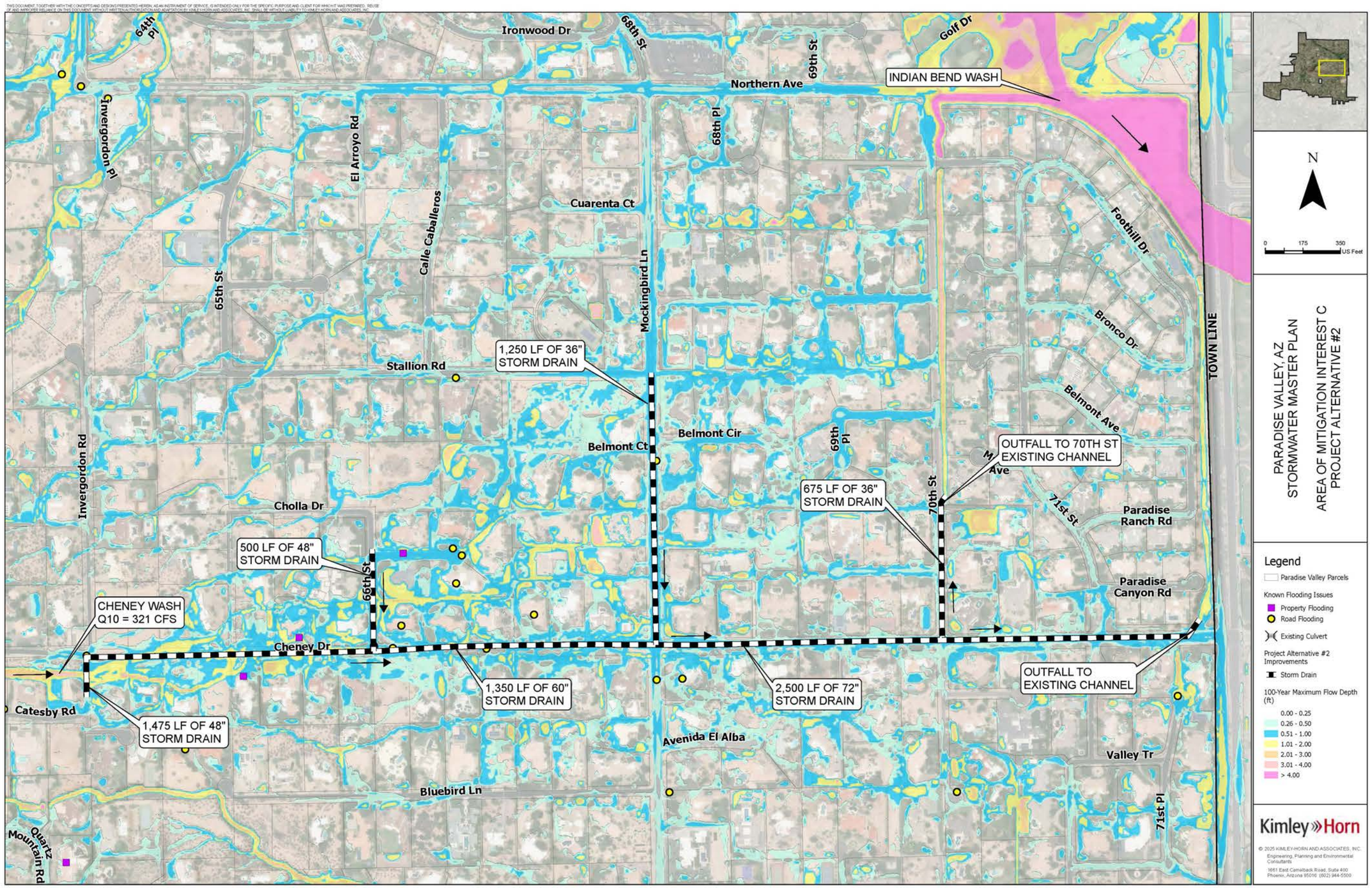
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 48" RCP | LF | 500 | $525 | $262,500 |
| 2 | 60" RCP | LF | 1,525 | $785 | $1,197,125 |
| 3 | 72" RCP | LF | 5,200 | $1,200 | $6,240,000 |
| 4 | Manhole | EA | 37 | $10,000 | $370,000 |
| 5 | Catch Basin | EA | 22 | $32,000 | $704,000 |
| 6 | Removal of Concrete Sidewalks and Slabs | SF | 8,050 | $12 | $96,600 |
| | | | | Sub Total | $8,870,225 |
| 7 | SWPPP (1%) | LS | 1 | $88,702 | $88,702 |
| 8 | Mobilization/Demobilization (15%) | LS | 1 | $1,330,534 | $1,330,534 |
| 9 | Design (10%) | LS | 1 | $887,023 | $887,023 |
| 10 | Construction Management (10%) | LS | 1 | $887,023 | $887,023 |
| 11 | Utilities (3%) | LS | 1 | $266,107 | $266,107 |
| 12 | Traffic Control (5%) | LS | 1 | $443,511 | $443,511 |
| | | | | Subtotal | $12,773,124 |
| | | | | Contingency (15%) | $1,915,969 |
| | | | | Total | $14,689,093 |


Ironwood Dr
64th Pl
68th St
69th St
Golf Dr
Northern Ave
INDIAN BEND WASH
Invergordon Pl
El Arroyo Rd
68th Pl
Cuarenta Ct
Calle Caballeros
Foothill Dr
65th St
Mockingbird Ln
Bronco Dr
TOWN LINE
1,250 LF OF 36" STORM DRAIN
Stallion Rd
Belmont Ave
Belmont Cir
Belmont Ct
69th Pl
OUTFALL TO 70TH ST EXISTING CHANNEL
Invergordon Rd
675 LF OF 36" STORM DRAIN
70th St
71st St
Cholla Dr
Paradise Ranch Rd
500 LF OF 48" STORM DRAIN
66th St
Paradise Canyon Rd
CHENEY WASH Q10 = 321 CFS
Cheney Dr
OUTFALL TO EXISTING CHANNEL
1,350 LF OF 60" STORM DRAIN
2,500 LF OF 72" STORM DRAIN
Catesby Rd
1,475 LF OF 48" STORM DRAIN
Avenida El Alba
Valley Tr
Bluebird Ln
71st Pl
Quartz Mountain Rd
N
0 175 350 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST C
PROJECT ALTERNATIVE #2
Legend
Paradise Valley Parcels
Known Flooding Issues
Property Flooding
Road Flooding
Existing Culvert
Project Alternative #2 Improvements
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn

Conceptual Cost Estimate for Alternative 2

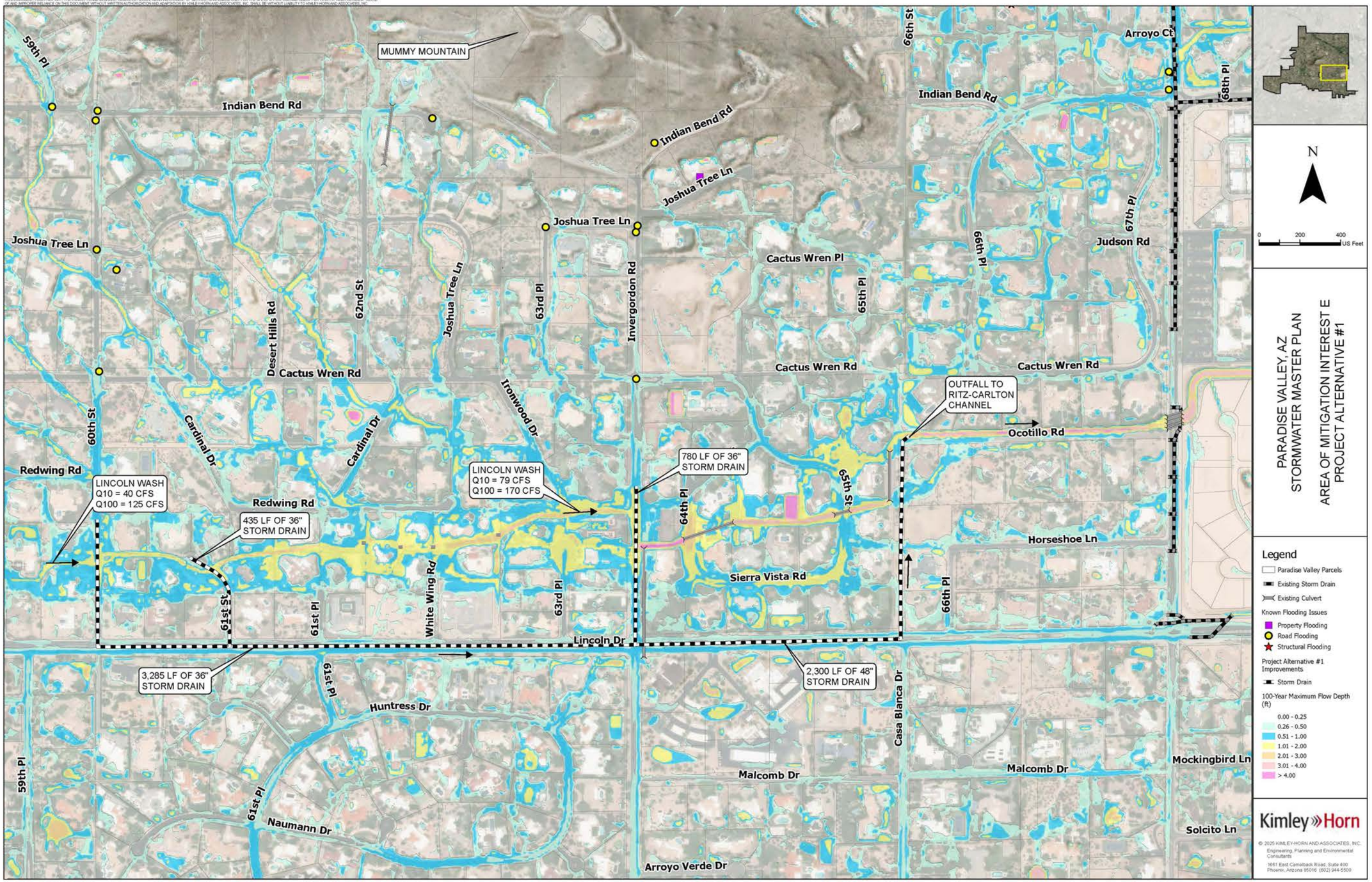
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 60" RCP | LF | 1,350 | $785 | $1,059,750 |
| 2 | 36" RCP | LF | 1,950 | $320 | $624,000 |
| 3 | 48" RCP | LF | 1,975 | $525 | $1,036,875 |
| 4 | 72" RCP | LF | 2,500 | $1,200 | $3,000,000 |
| 5 | Manhole | EA | 36 | $10,000 | $360,000 |
| 6 | Catch Basin | EA | 24 | $32,000 | $768,000 |
| 7 | Removal of Concrete Sidewalks and Slabs | SF | 7,825 | $12 | $93,900 |
| | | | | Sub Total | $6,942,525 |
| 8 | SWPPP | LS | 1 | $20,000 | $20,000 |
| 9 | Mobilization/Demobilization (15%) | LS | 1 | $1,041,379 | $1,041,379 |
| 10 | Design (12%) | LS | 1 | $833,103 | $833,103 |
| 11 | Construction Management (10%) | LS | 1 | $694,253 | $694,253 |
| 12 | Utilities (2%) | LS | 1 | $138,851 | $138,851 |
| 13 | Traffic Control (3%) | LS | 1 | $208,276 | $208,276 |
| | | | | Subtotal | $9,878,386 |
| | | | | Contingency (15%) | $1,481,758 |
| | | | | Total | $11,360,143 |

## Area C Project Matrix

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Aqusition |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **3** | **1** | **3** | **1** | **1** | **1** | **2** | **1** | **13** | **48** | **No** |
| **Alternative 2** | **3** | **2** | **3** | **1** | **1** | **1** | **2** | **1** | **14** | **53** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Highest achievable score | 67 - Highest achievable score | |

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA E ALTERNATIVES


MUMMY MOUNTAIN
59th Pl
Indian Bend Rd
Joshua Tree Ln
Desert Hills Rd
62nd St
63rd Pl
Invergordon Rd
Cactus Wren Pl
65th Pl
66th Pl
67th Pl
68th Pl
66th St
Arroyo Ct
Judson Rd
Cactus Wren Rd
Tronwood Dr
60th St
Cardinal Dr
Redwing Rd
LINCOLN WASH
Q10 = 40 CFS
Q100 = 125 CFS
435 LF OF 36"
STORM DRAIN
LINCOLN WASH
Q10 = 79 CFS
Q100 = 170 CFS
780 LF OF 36"
STORM DRAIN
64th Pl
65th St
OUTFALL TO
RITZ-CARLTON
CHANNEL
Ocotillo Rd
Horseshoe Ln
Sierra Vista Rd
White Wing Rd
61st St
61st Pl
Lincoln Dr
3,285 LF OF 36"
STORM DRAIN
2,300 LF OF 48"
STORM DRAIN
Huntress Dr
Casa Blanca Dr
Malcomb Dr
Mockingbird Ln
Naumann Dr
Solcito Ln
Arroyo Verde Dr
N
0 200 400
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST E
PROJECT ALTERNATIVE #1
Legend
Paradise Valley Parcels
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Project Alternative #1 Improvements
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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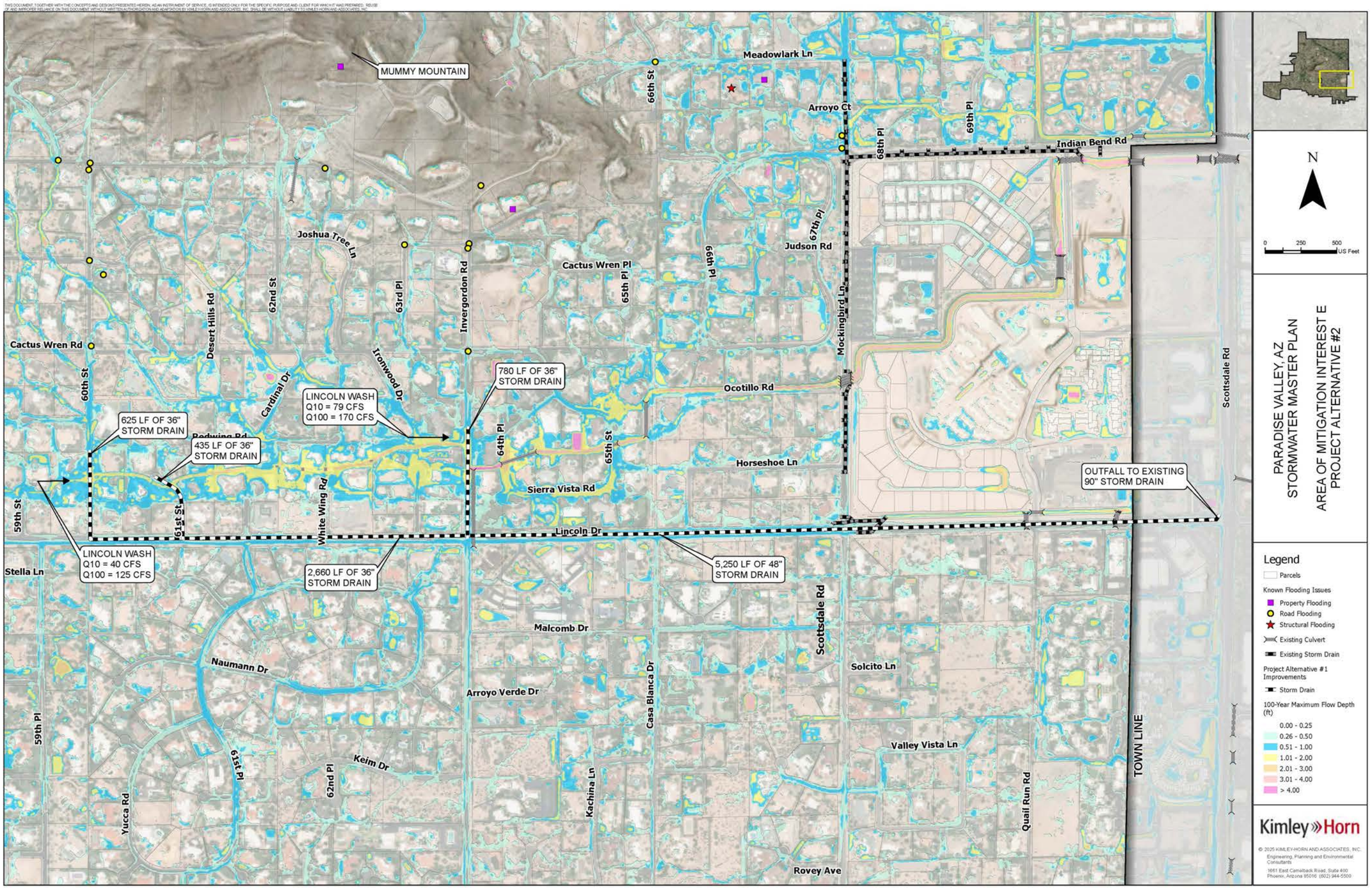
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

## Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 36" Storm Drain Pipe | LF | 4,500 | $320 | $1,440,000 |
| 2 | 48" Storm Drain Pipe | LF | 2,300 | $525 | $1,207,500 |
| 3 | Manhole | EA | 45 | $12,000 | $540,000 |
| 4 | Outlet Structure | EA | 1 | $1,200 | $1,200 |
| 5 | Catch Basin | EA | 25 | $10,000 | $250,000 |
| | | | | Subtotal | $3,438,700 |
| 8 | SWPPP (1%) | LS | 1 | $34,387 | $34,387 |
| 9 | Mobilization/Demobilization (15%) | LS | 1 | $515,805 | $515,805 |
| 10 | Design (12%) | LS | 1 | $412,644 | $412,644 |
| 11 | Construction Management (10%) | LS | 1 | $343,870 | $343,870 |
| 12 | Utilities (2%) | LS | 1 | $68,774 | $68,774 |
| 13 | Traffic Control (2%) | LS | 1 | $68,774 | $68,774 |
| | | | | Subtotal | $4,882,954 |
| | | | | Contingency (20%) | $976,591 |
| | | | | Total | $5,859,545 |


MUMMY MOUNTAIN
Meadowlark Ln
Arroyo Ct
66th St
68th Pl
69th Pl
Indian Bend Rd
Joshua Tree Ln
Cactus Wren Pl
65th Pl
66th Pl
67th Pl
Judson Rd
Mockingbird Ln
Cactus Wren Rd
60th St
Desert Hills Rd
62nd St
63rd Pl
Invergordon Rd
Cardinal Dr
Ironwood Dr
780 LF OF 36" STORM DRAIN
LINCOLN WASH Q10 = 79 CFS Q100 = 170 CFS
Ocotillo Rd
625 LF OF 36" STORM DRAIN
435 LF OF 36" STORM DRAIN
Redwing Rd
64th Pl
65th St
Horseshoe Ln
Sierra Vista Rd
White Wing Rd
61st St
59th St
OUTFALL TO EXISTING 90" STORM DRAIN
Lincoln Dr
LINCOLN WASH Q10 = 40 CFS Q100 = 125 CFS
2,660 LF OF 36" STORM DRAIN
5,250 LF OF 48" STORM DRAIN
Stella Ln
Malcomb Dr
Scottsdale Rd
Naumann Dr
Solcito Ln
Arroyo Verde Dr
Casa Blanca Dr
59th Pl
61st Pl
Keim Dr
62nd Pl
Valley Vista Ln
Kachina Ln
Yucca Rd
Quail Run Rd
TOWN LINE
Rovey Ave
N
0 250 500 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST E
PROJECT ALTERNATIVE #2
Legend
Parcels
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Existing Culvert
Existing Storm Drain
Project Alternative #1 Improvements
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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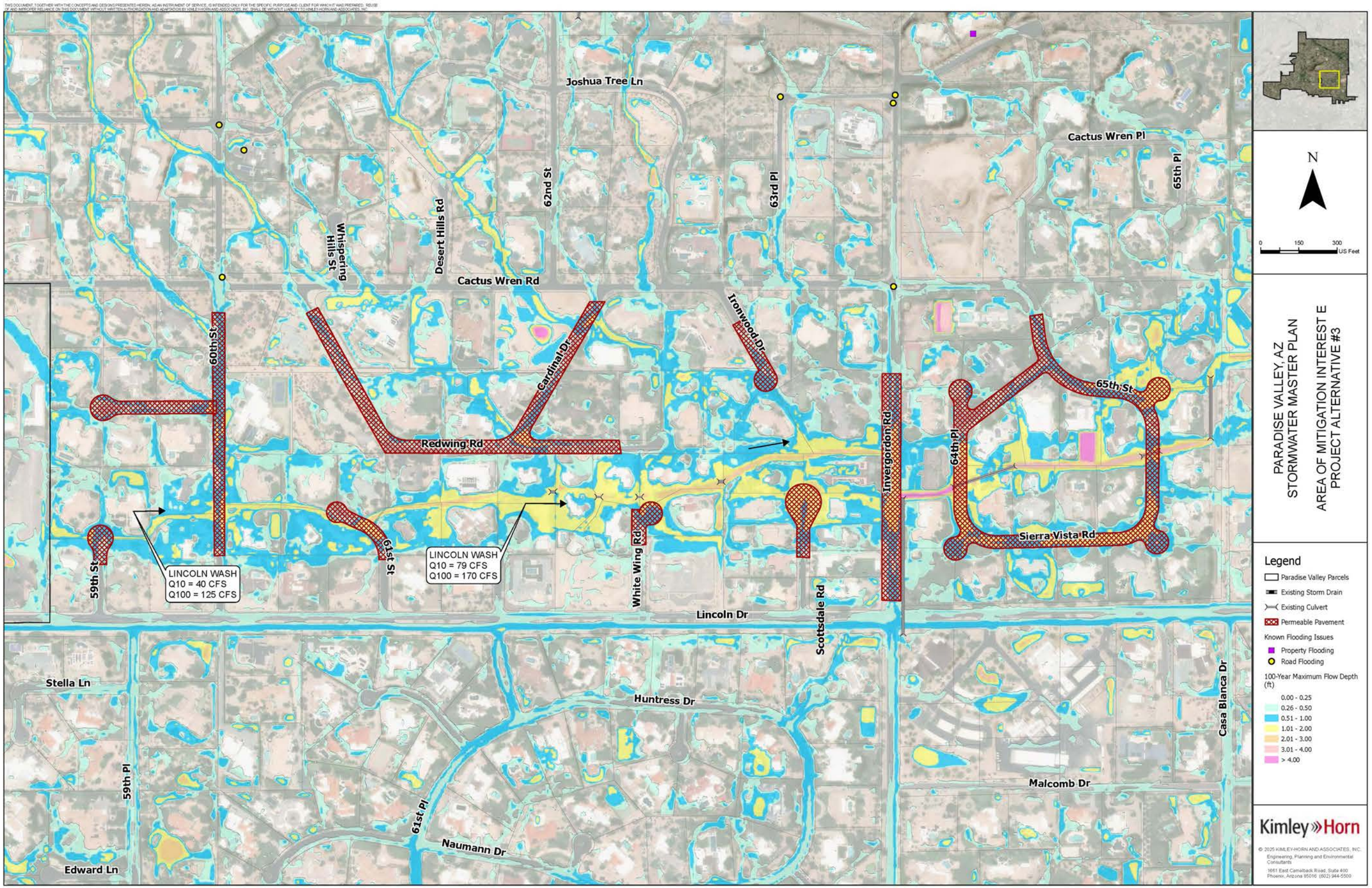
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

## Conceptual Cost Estimate for Alternative 2

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 36" Storm Drain Pipe | LF | 4,500 | $320 | $1,440,000 |
| 2 | 48" Storm Drain Pipe | LF | 5,250 | $525 | $2,756,250 |
| 5 | Manhole | EA | 52 | $12,000 | $624,000 |
| 6 | Outlet Structure | EA | 1 | $1,200 | $1,200 |
| 7 | Catch Basin | EA | 25 | $10,000 | $250,000 |
| | | | | Subtotal | $5,071,450 |
| 8 | SWPPP (1%) | LS | 1 | $50,715 | $50,715 |
| 9 | Mobilization/Demobilization (15%) | LS | 1 | $760,718 | $760,718 |
| 10 | Design (12%) | LS | 1 | $608,574 | $608,574 |
| 11 | Construction Management (10%) | LS | 1 | $507,145 | $507,145 |
| 12 | Utilities (2%) | LS | 1 | $101,429 | $101,429 |
| 13 | Traffic Control (2%) | LS | 1 | $101,429 | $101,429 |
| | | | | Subtotal | $7,201,459 |
| | | | | Contingency (20%) | $1,440,292 |
| | | | | Total | $8,641,751 |


Joshua Tree Ln
Cactus Wren Pl
65th Pl
62nd St
63rd Pl
Desert Hills Rd
Whispering Hills St
Cactus Wren Rd
Ironwood Dr
Cardinal Dr
60th St
Redwing Rd
Invergordon Rd
64th Pl
65th St
Sierra Vista Rd
59th St
61st St
White Wing Rd
Scottsdale Rd
Lincoln Dr
LINCOLN WASH
Q10 = 40 CFS
Q100 = 125 CFS
LINCOLN WASH
Q10 = 79 CFS
Q100 = 170 CFS
Stella Ln
Huntress Dr
Casa Blanca Dr
Malcomb Dr
59th Pl
61st Pl
Naumann Dr
Edward Ln
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST E
PROJECT ALTERNATIVE #3
Legend
Paradise Valley Parcels
Existing Storm Drain
Existing Culvert
Permeable Pavement
Known Flooding Issues
Property Flooding
Road Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 3

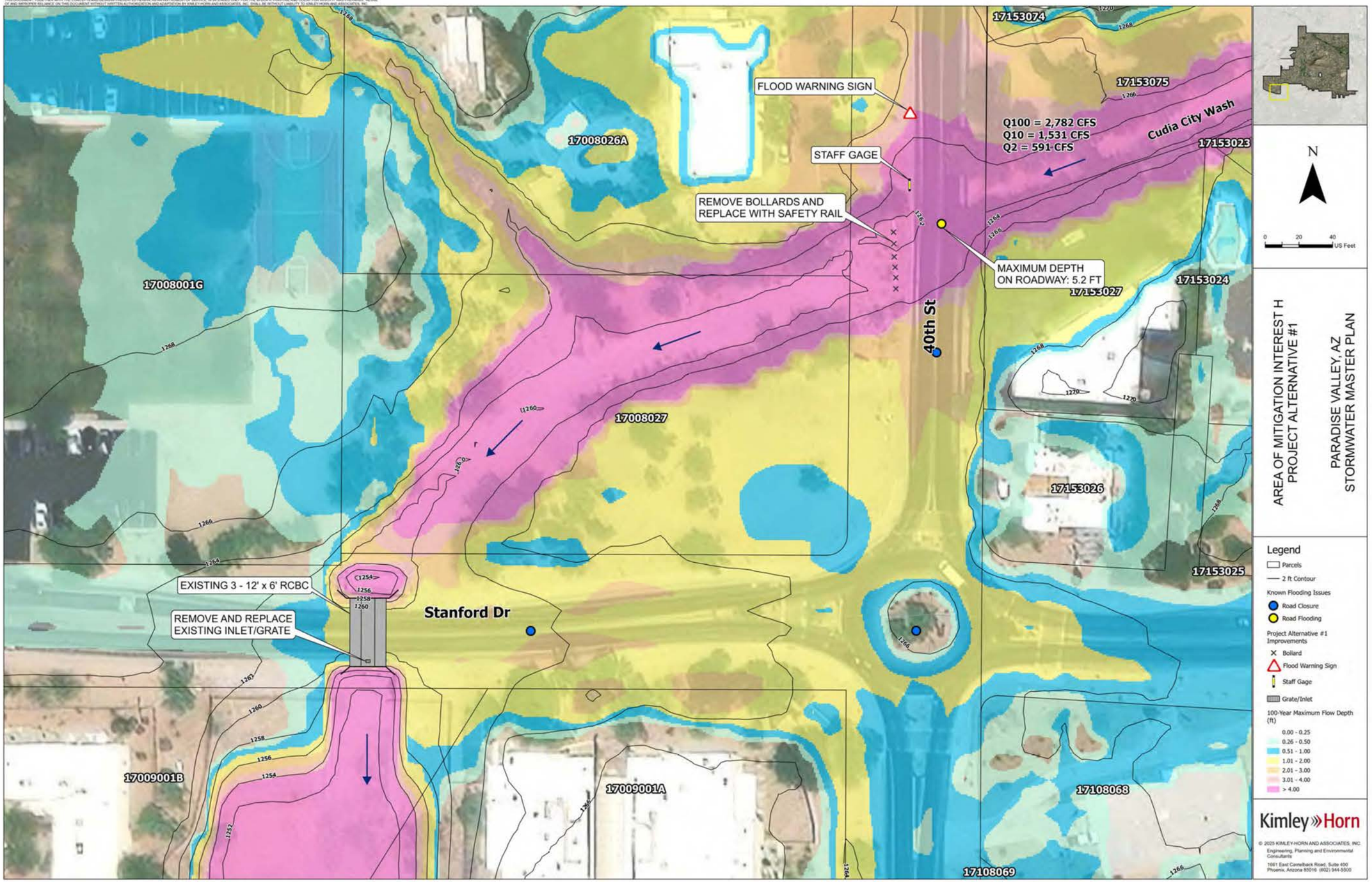
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | Permeable Pavement | LF | 7,900 | $28 | $221,200 |
| 2 | Removal of Existing Pavement | SY | 52,600 | $10 | $526,000 |
| | | | | Subtotal | $747,200 |
| 3 | SWPPP (1%) | LS | 1 | $7,472 | $7,472 |
| 4 | Mobilization/Demobilization (15%) | LS | 1 | $112,080 | $112,080 |
| 5 | Design (12%) | LS | 1 | $89,664 | $89,664 |
| 6 | Construction Management (10%) | LS | 1 | $74,720 | $74,720 |
| 7 | Utilities (8%) | LS | 1 | $59,776 | $59,776 |
| 8 | Traffic Control (10%) | LS | 1 | $74,720 | $74,720 |
| | | | | Subtotal | $1,165,632 |
| | | | | Contingency (20%) | $233,126 |
| | | | | Total | $1,398,758 |

## Area E Project Matrix

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Acquisition |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **3** | **2** | **3** | **1** | **2** | **1** | **2** | **1** | **15** | **57** | **No** |
| **Alternative 2** | **3** | **1** | **3** | **1** | **1** | **1** | **2** | **1** | **13** | **48** | **No** |
| **Alternative 3** | **3** | **3** | **3** | **2** | **2** | **1** | **2** | **2** | **18** | **66** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Median cost<br>3 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 20 - Maximum possible score | 72 - Maximum possible score | |

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA H ALTERNATIVES


FLOOD WARNING SIGN
STAFF GAGE
REMOVE BOLLARDS AND REPLACE WITH SAFETY RAIL
MAXIMUM DEPTH ON ROADWAY: 5.2 FT
Q100 = 2,782 CFS
Q10 = 1,531 CFS
Q2 = 591 CFS
Cudia City Wash
40th St
Stanford Dr
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE EXISTING INLET/GRATE
17153074
17153075
17153023
17153024
17153027
17153026
17153025
17008026A
17008001G
17008027
17009001B
17009001A
17108068
17108069
N
0 20 40 US Feet
AREA OF MITIGATION INTEREST H
PROJECT ALTERNATIVE #1
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Closure
Road Flooding
Project Alternative #1 Improvements
Bollard
Flood Warning Sign
Staff Gage
Grate/Inlet
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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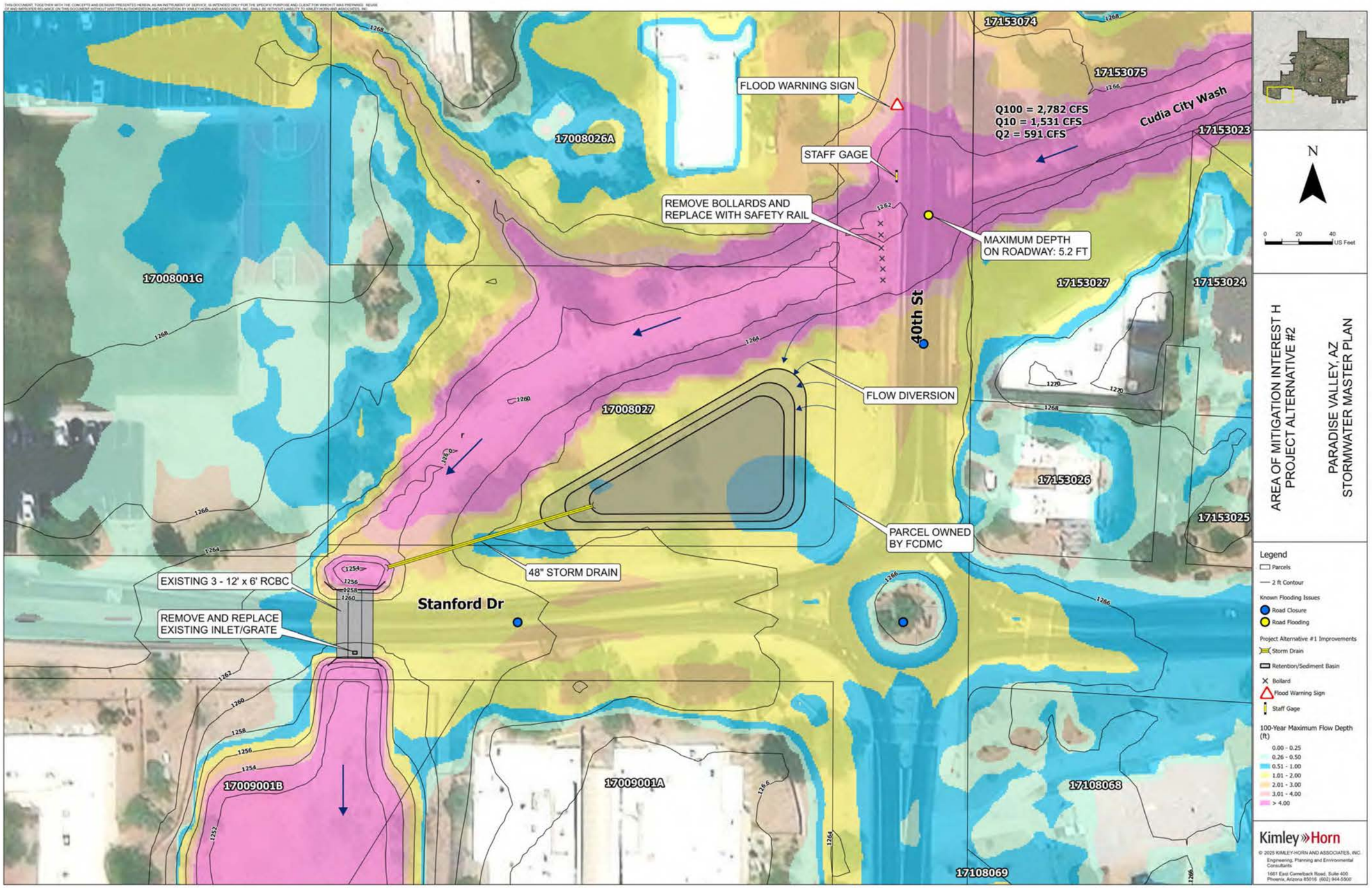
Engineering, Planning and Environmental Consultants
7661 East Cannelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | Staff Gage | EA | 1 | $150 | $150 |
| 2 | Flood Warning Sign | EA | 1 | $250 | $250 |
| 3 | Protective Railing | LF | 50 | $175 | $8,750 |
| 4 | Removal of Curb and Gutter | LF | 3 | $250 | $750 |
| 5 | Curb & Gutter | LF | 3 | $100 | $300 |
| 6 | Concrete Sidewalk | SF | 10 | $35 | $350 |
| 7 | Storm Drain Pipe 36" | SF | 15 | $375 | $5,625 |
| 8 | Remove Bollards | EA | 6 | $260 | $1,560 |
| 9 | Removal of Pipe | LF | 15 | $75 | $1,125 |
| | | | | Sub Total | $18,860 |
| 10 | SWPPP | LS | 1 | $1,000 | $1,000 |
| 11 | Mobilization/Demobilization | LS | 1 | $15,000 | $15,000 |
| 12 | Design | LS | 1 | $15,000 | $15,000 |
| 13 | Construction Management | LS | 1 | $5,000 | $5,000 |
| 14 | Utilities | LS | 1 | $1,000 | $1,000 |
| 15 | Traffic Control | LS | 1 | $1,000 | $1,000 |
| | | | | Subtotal | $56,860 |
| | | | | Contingency (20%) | $11,372 |
| | | | | Total | $68,232 |


FLOOD WARNING SIGN
STAFF GAGE
REMOVE BOLLARDS AND REPLACE WITH SAFETY RAIL
MAXIMUM DEPTH ON ROADWAY: 5.2 FT
Q100 = 2,782 CFS
Q10 = 1,531 CFS
Q2 = 591 CFS
Cudia City Wash
40th St
FLOW DIVERSION
PARCEL OWNED BY FCDMC
48" STORM DRAIN
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE EXISTING INLET/GRATE
Stanford Dr
17153074
17153075
17153023
17008026A
17008001G
17153027
17153024
17008027
17153026
17153025
17009001B
17009001A
17108068
17108069
N
0 20 40 US Feet
AREA OF MITIGATION INTEREST H
PROJECT ALTERNATIVE #2
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Closure
Road Flooding
Project Alternative #1 Improvements
Storm Drain
Retention/Sediment Basin
Bollard
Flood Warning Sign
Staff Gage
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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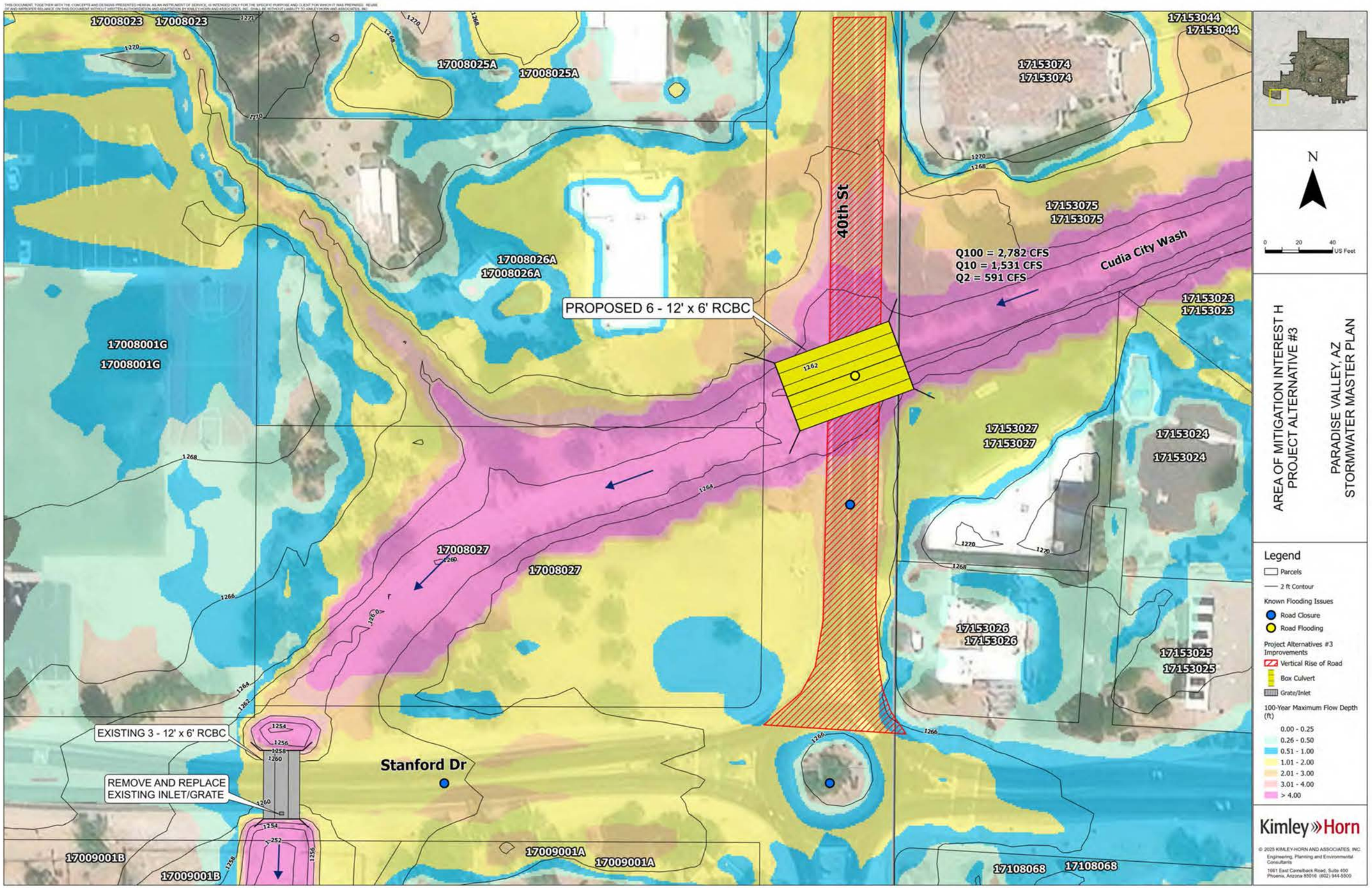
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 2

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | Storm Drain Outlet | EA | 1 | $1,500 | $1,500 |
| 2 | Storm Drain Pipe 48" | LF | 110 | $410 | $45,100 |
| 3 | Manhole | EA | 1 | $10,000 | $10,000 |
| 4 | Staff Gage | EA | 1 | $150 | $150 |
| 5 | Flood Warning Sign | EA | 1 | $250 | $250 |
| 6 | Protective Railing | LF | 50 | $175 | $8,750 |
| 7 | Removal of Curb and Gutter | LF | 3 | $250 | $750 |
| 8 | Curb & Gutter | LF | 3 | $100 | $300 |
| 9 | Concrete Sidewalk | SF | 10 | $35 | $350 |
| 10 | Storm Drain Pipe 36" | SF | 15 | $375 | $5,625 |
| 11 | Remove Bollards | EA | 6 | $260 | $1,560 |
| 12 | Removal of Pipe | LF | 15 | $75 | $1,125 |
| 13 | Riprap | CY | 5 | $120 | $600 |
| 14 | Channel Excavation | CY | 8,595 | $25 | $214,875 |
| 15 | Diversion Structure | LS | 1 | $45,000 | $45,000 |
| 16 | Basin Excavation | CY | 8,470 | $18 | $152,460 |
| 17 | Landscaping | LS | 1 | $7,000 | $7,000 |
| | | | | Sub Total | $495,395 |
| 18 | SWPPP (3%) | LS | 1 | $14,862 | $14,862 |
| 19 | Mobilization/Demobilization | LS | 1 | $75,000 | $75,000 |
| 20 | Design (15%) | LS | 1 | $74,309 | $74,309 |
| 21 | Construction Management (10%) | LS | 1 | $49,540 | $49,540 |
| 22 | Utilities (2%) | LS | 1 | $9,908 | $9,908 |
| 23 | Traffic Control (3%) | LS | 1 | $14,862 | $14,862 |
| | | | | Subtotal | $733,875 |
| | | | | Contingency (20%) | $146,775 |
| | | | | Total | $880,650 |


17008023
17008023
17008025A
17008025A
17008026A
17008026A
17008001G
17008001G
17008027
17008027
17009001B
17009001B
17009001A
17009001A
17108068
17108068
17153044
17153044
17153074
17153074
17153075
17153075
17153023
17153023
17153027
17153027
17153024
17153024
17153026
17153026
17153025
17153025
40th St
Cudia City Wash
Q100 = 2,782 CFS
Q10 = 1,531 CFS
Q2 = 591 CFS
PROPOSED 6 - 12' x 6' RCBC
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE EXISTING INLET/GRATE
Stanford Dr
N
0 20 40 US Feet
AREA OF MITIGATION INTEREST H
PROJECT ALTERNATIVE #3
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Closure
Road Flooding
Project Alternatives #3 Improvements
Vertical Rise of Road
Box Culvert
Grate/Inlet
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 3

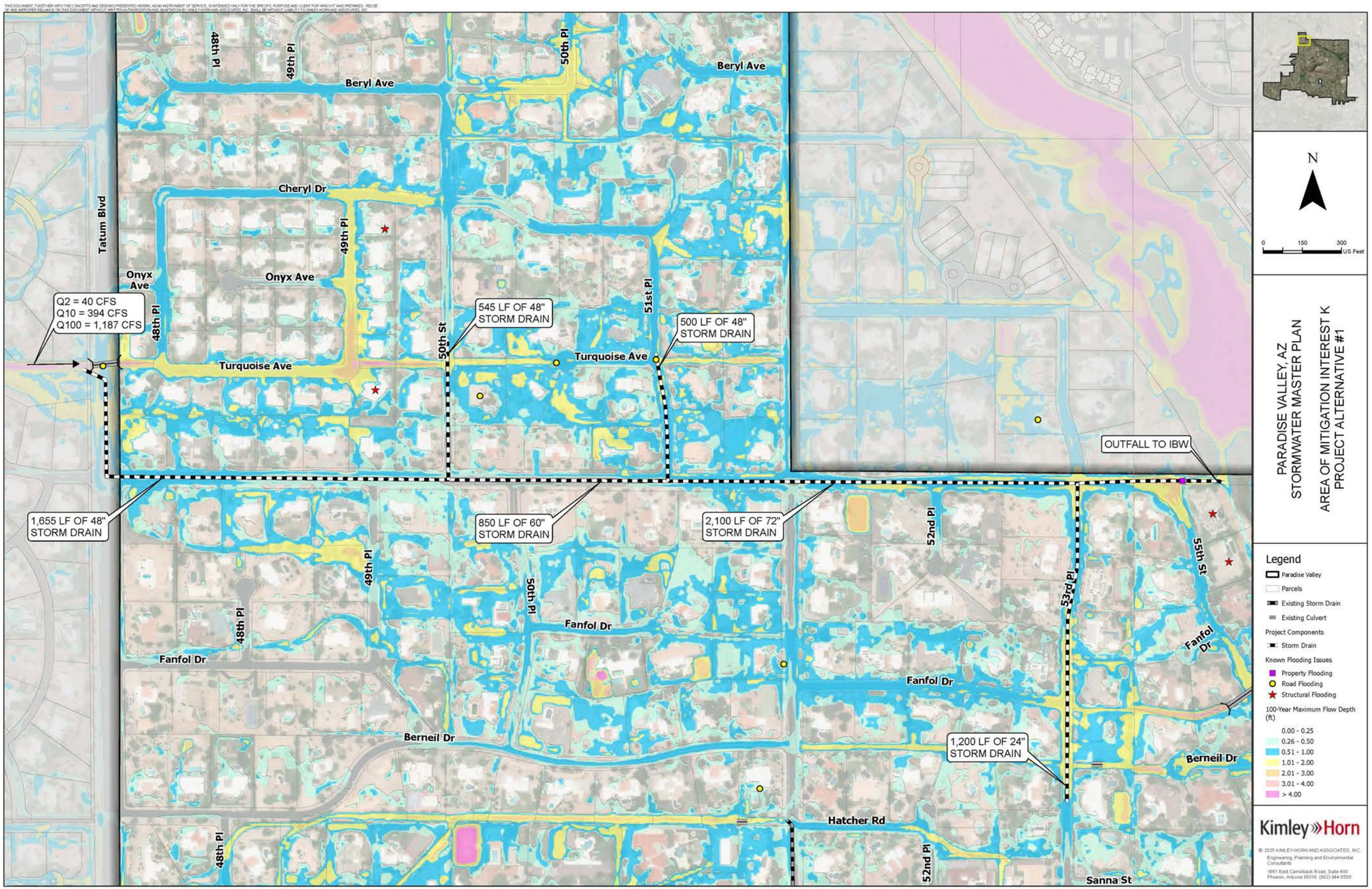
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | Manhole | EA | 3 | $10,000 | $30,000 |
| 2 | 6 - 12' x 6' RCBC | LF | 40 | $21,000 | $840,000 |
| 3 | New Wingwalls | LS | 1 | $30,000 | $30,000 |
| 4 | Removal of Curb and Gutter | LF | 3 | $250 | $750 |
| 5 | Curb & Gutter | LF | 3 | $100 | $300 |
| 6 | Concrete Sidewalk | SF | 10 | $35 | $350 |
| 7 | Storm Drain Pipe 36" | SF | 15 | $375 | $5,625 |
| 8 | Safety Rail | LF | 220 | $100 | $22,000 |
| 9 | Removal of Pipe | LF | 15 | $75 | $1,125 |
| 10 | Riprap | CY | 250 | $100 | $25,000 |
| 11 | Channel Excavation & Haul | CY | 130 | $55 | $7,150 |
| 12 | Roadway Profile Raise | SF | 13,300 | $20 | $266,000 |
| | | | | Sub Total | $1,228,300 |
| 13 | SWPPP (5%) | LS | 1 | $61,415 | $61,415 |
| 14 | Mobilization/Demobilization (15%) | LS | 1 | $184,245 | $184,245 |
| 15 | Design (12%) | LS | 1 | $147,396 | $147,396 |
| 16 | Construction Management (10%) | LS | 1 | $122,830 | $122,830 |
| 17 | Utilities (5%) | LS | 1 | $61,415 | $61,415 |
| 18 | Traffic Control (5%) | LS | 1 | $61,415 | $61,415 |
| | | | | Subtotal | $1,867,016 |
| | | | | Contingency (20%) | $373,403 |
| | | | | Total | $2,240,419 |

## Area H Project Matrix

| | Potential Stuctures Protected | Potential Streets Protected | Design and Construction Cost | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Aqusition |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 4 | 5 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **1** | **1** | **3** | **1** | **1** | **1** | **2** | **2** | **12** | **43** | **Yes** |
| **Alternative 2** | **1** | **2** | **2** | **1** | **2** | **2** | **1** | **2** | **13** | **45** | **No** |
| **Alternative 3** | **1** | **2** | **1** | **1** | **2** | **1** | **2** | **1** | **11** | **38** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - Most expensive<br>2 - Median cost<br>3 - Least expensive | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 20 - Maximum Possible Score | 72 - Maximum Possible Score | |

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA K ALTERNATIVES


48th Pl
49th Pl
50th Pl
Beryl Ave
Beryl Ave
Cheryl Dr
Tatum Blvd
Onyx Ave
Onyx Ave
49th Pl
48th Pl
Q2 = 40 CFS
Q10 = 394 CFS
Q100 = 1,187 CFS
545 LF OF 48" STORM DRAIN
500 LF OF 48" STORM DRAIN
50th St
51st Pl
Turquoise Ave
Turquoise Ave
OUTFALL TO IBW
1,655 LF OF 48" STORM DRAIN
850 LF OF 60" STORM DRAIN
2,100 LF OF 72" STORM DRAIN
52nd Pl
55th St
49th Pl
50th Pl
53rd Pl
48th Pl
Fanfol Dr
Fanfol Dr
Fanfol Dr
Fanfol Dr
Berneil Dr
Berneil Dr
1,200 LF OF 24" STORM DRAIN
Hatcher Rd
48th Pl
52nd Pl
Sanna St
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST K
PROJECT ALTERNATIVE #1
Legend
Paradise Valley
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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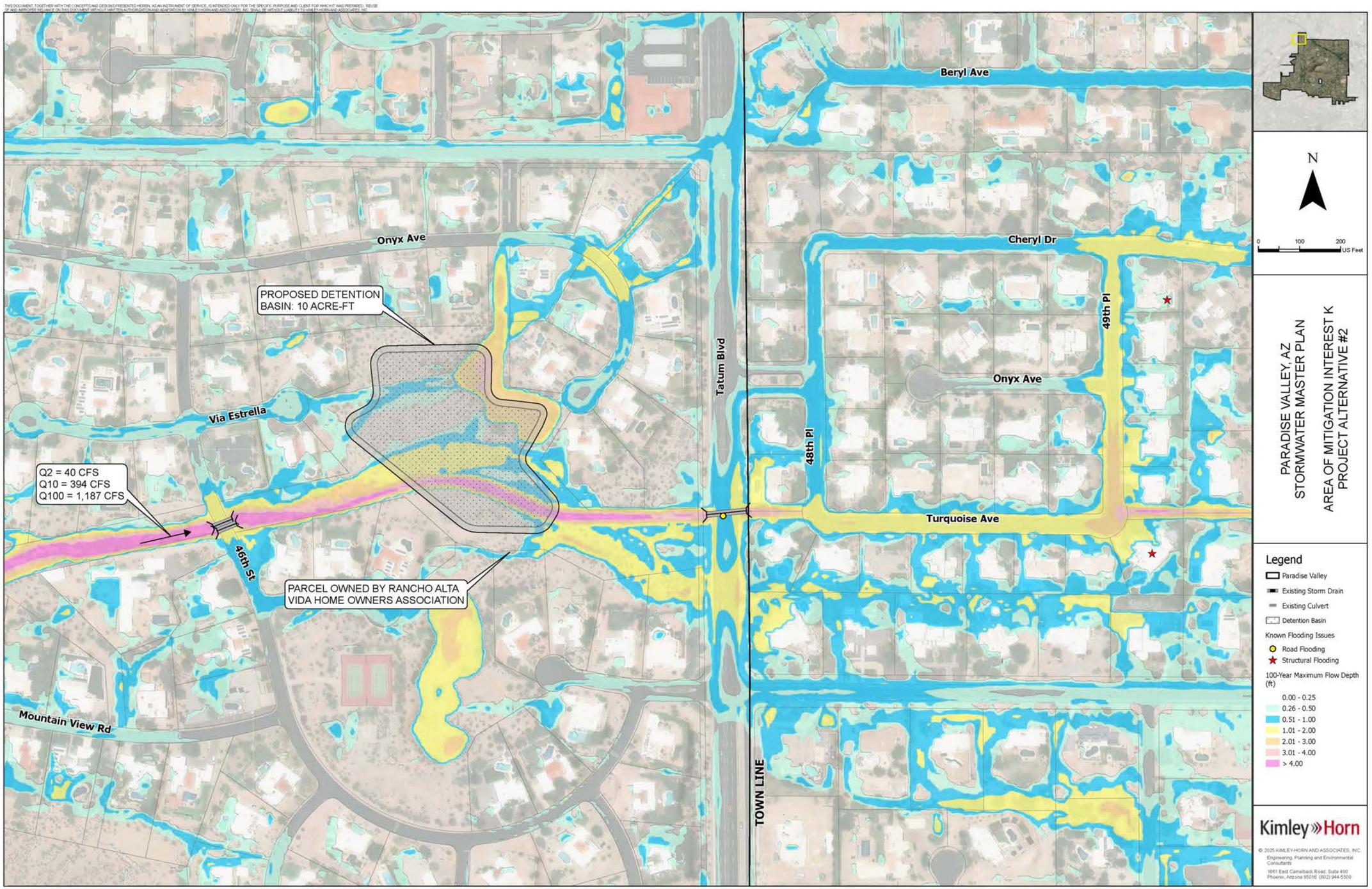
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 60" Storm Drain | LF | 850 | $785 | $667,250 |
| 2 | 48" Storm Drain | LF | 2,700 | $600 | $1,620,000 |
| 3 | 24" Storm Drain | LF | 1,200 | $280 | $336,000 |
| 4 | 72" Storm Drain | LF | 2,100 | $975 | $2,047,500 |
| 5 | Inlet Structure | EA | 1 | $2,300 | $2,300 |
| 6 | Outlet Structure | EA | 1 | $2,300 | $2,300 |
| 7 | Manhole | EA | 43 | $10,000 | $430,000 |
| 8 | Catch Basin | EA | 36 | $12,000 | $432,000 |
| | | | | Subtotal | $5,537,350 |
| 9 | SWPPP (1%) | LS | 1 | $55,374 | $55,374 |
| 10 | Mobilization/Demobilization (10%) | LS | 1 | $553,735 | $553,735 |
| 11 | Design (7%) | LS | 1 | $387,615 | $387,615 |
| 12 | Construction Management (8%) | LS | 1 | $442,988 | $442,988 |
| 13 | Utilities (2%) | LS | 1 | $110,747 | $110,747 |
| 14 | Traffic Control (2%) | LS | 1 | $110,747 | $110,747 |
| | | | | Subtotal | $7,198,555 |
| | | | | Contingency (15%) | $1,079,783 |
| | | | | Total | $8,278,338 |


Onyx Ave
PROPOSED DETENTION BASIN: 10 ACRE-FT
Via Estrella
Q2 = 40 CFS
Q10 = 394 CFS
Q100 = 1,187 CFS
46th St
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
Tatum Blvd
TOWN LINE
Beryl Ave
Cheryl Dr
49th Pl
Onyx Ave
48th Pl
Turquoise Ave
N
0 100 200 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST K
PROJECT ALTERNATIVE #2
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Detention Basin
Known Flooding Issues
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

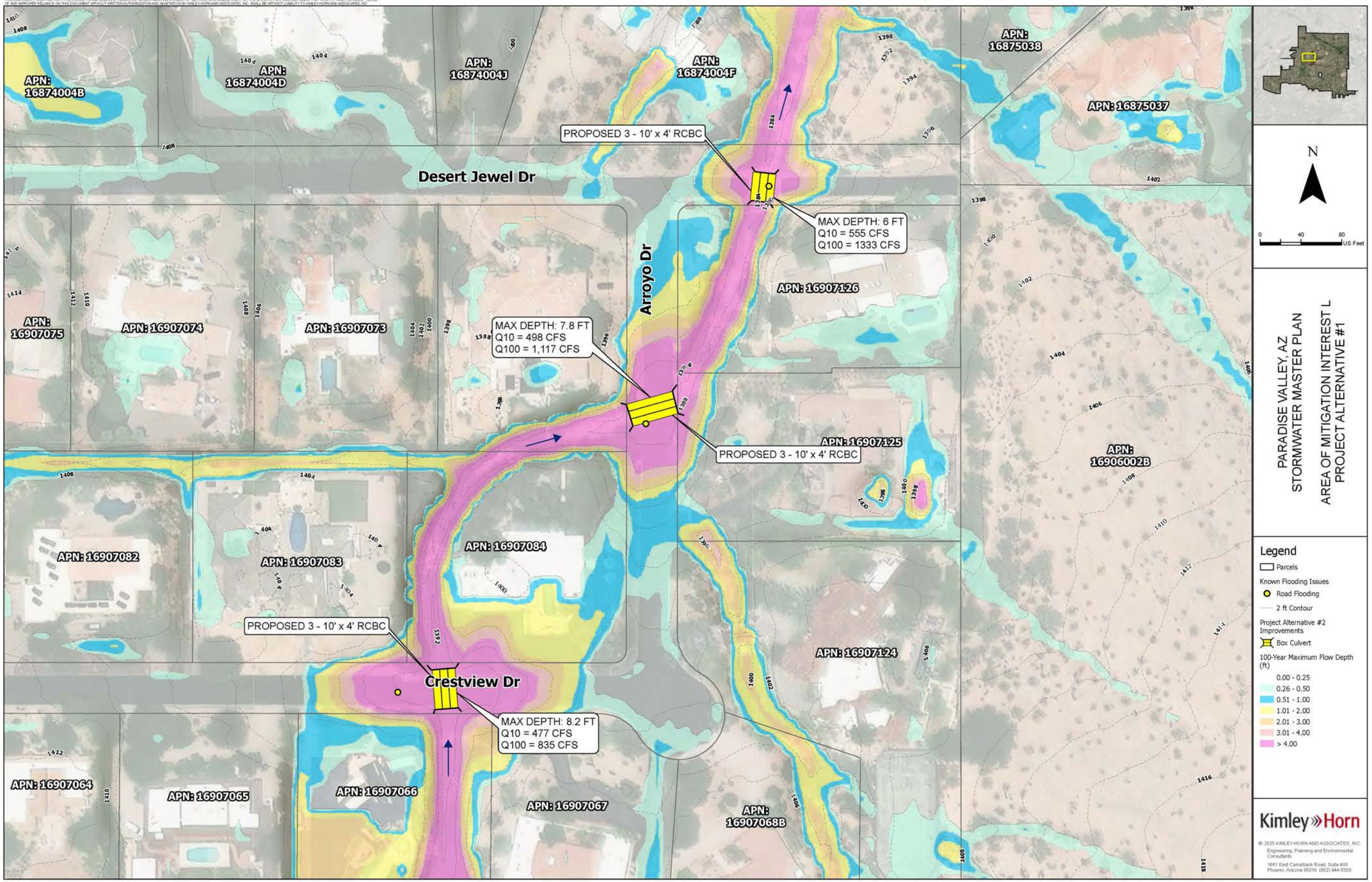
Conceptual Cost Estimate for Alternative 2

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | Basin Excavation | CY | 25,300 | $42 | $1,062,600 |
| 2 | Landscaping | AC | 4 | $12,000 | $48,000 |
| 3 | Clearing and Grubbing | AC | 4 | $5,000 | $20,000 |
| | | | | Subtotal | $1,130,600 |
| 4 | SWPPP (2%) | LS | 1 | $22,612 | $22,612 |
| 5 | Mobilization/Demobilization (12%) | LS | 1 | $135,672 | $135,672 |
| 6 | Design (7%) | LS | 1 | $79,142 | $79,142 |
| 7 | Construction Management (10%) | LS | 1 | $113,060 | $113,060 |
| 8 | Utilities (2%) | LS | 1 | $22,612 | $22,612 |
| 9 | Traffic Control (1%) | LS | 1 | $11,306 | $11,306 |
| | | | | Subtotal | $1,515,004 |
| | | | | Contingency (15%) | $227,251 |
| | | | | Total | $1,742,255 |

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Acquisition |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **1** | **1** | **3** | **1** | **2** | **1** | **2** | **1** | **12** | **22** | **No** |
| **Alternative 2** | **1** | **2** | **3** | **2** | **2** | **2** | **2** | **2** | **16** | **26** | **Yes** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Highest achievable score | 67 - Highest achievable score | |

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA L ALTERNATIVES


Desert Jewel Dr
Arroyo Dr
Crestview Dr
PROPOSED 3 - 10' x 4' RCBC
MAX DEPTH: 6 FT
Q10 = 555 CFS
Q100 = 1333 CFS
MAX DEPTH: 7.8 FT
Q10 = 498 CFS
Q100 = 1,117 CFS
PROPOSED 3 - 10' x 4' RCBC
PROPOSED 3 - 10' x 4' RCBC
MAX DEPTH: 8.2 FT
Q10 = 477 CFS
Q100 = 835 CFS
APN: 16874004B
APN: 16874004D
APN: 16874004J
APN: 16874004F
APN: 16875038
APN: 16875037
APN: 16907126
APN: 16907075
APN: 16907074
APN: 16907073
APN: 16907125
APN: 16906002B
APN: 16907082
APN: 16907083
APN: 16907084
APN: 16907124
APN: 16907064
APN: 16907065
APN: 16907066
APN: 16907067
APN: 16907068B
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST L
PROJECT ALTERNATIVE #1
Legend
Parcels
Known Flooding Issues
Road Flooding
2 ft Contour
Project Alternative #2 Improvements
Box Culvert
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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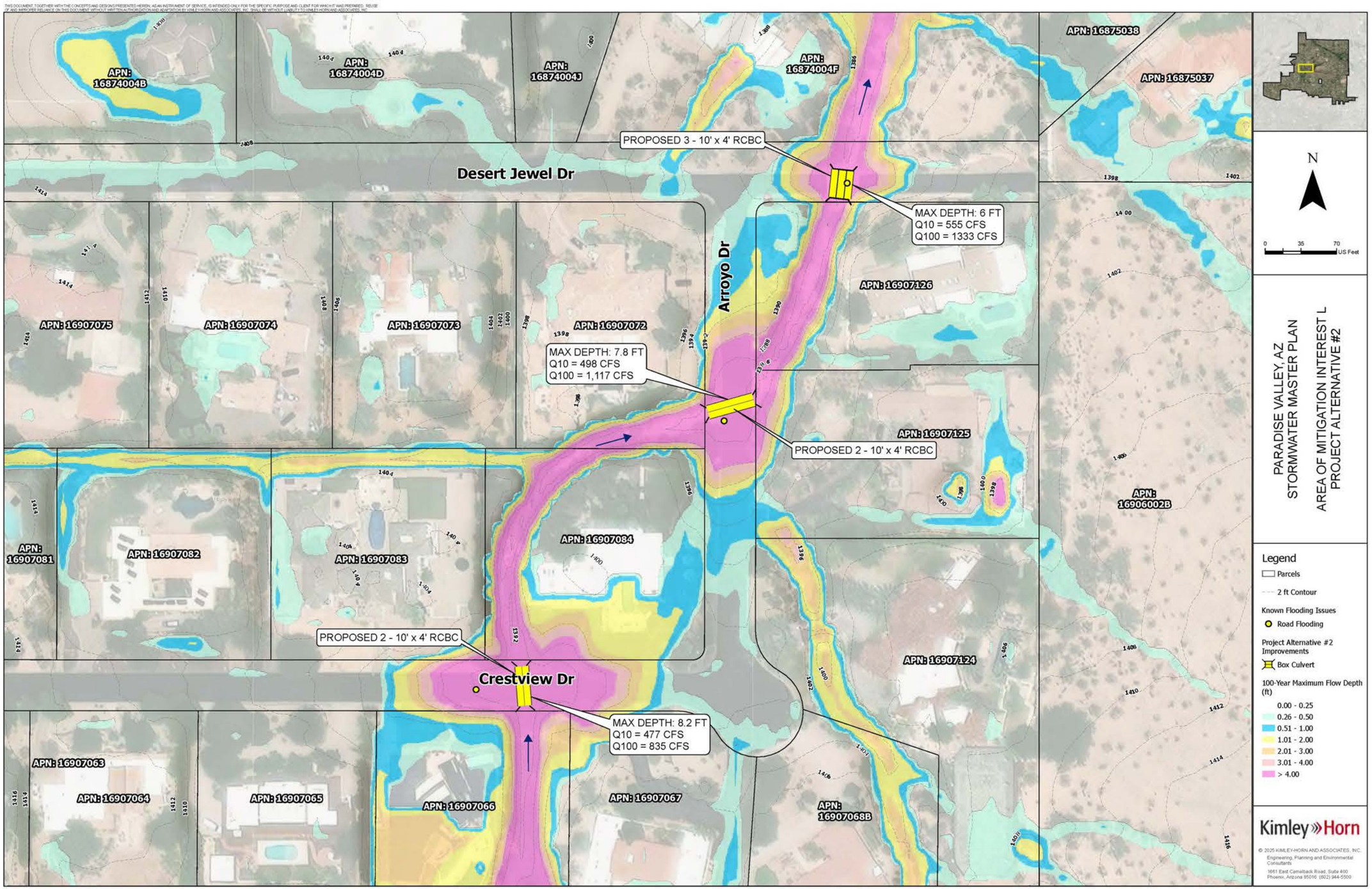
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 3 - 10' x 4' RCBC | LF | 140 | $3,400 | $476,000 |
| 2 | Headwalls | EA | 6 | $10,000 | $60,000 |
| 3 | Grouted Riprap | CY | 21 | $470 | $9,870 |
| 4 | Demolition | SY | 501 | $58 | $29,058 |
| 5 | Earthwork/Sediment Basin | CY | 900 | $45 | $40,500 |
| 6 | Pavement Replacement | TON | 165 | $475 | $78,375 |
| | | | | Sub Total | $693,803 |
| 7 | SWPPP (5%) | LS | 1 | $34,690 | $34,690 |
| 8 | Mobilization/Demobilization (15%) | LS | 1 | $104,070 | $104,070 |
| 9 | Design (15%) | LS | 1 | $104,070 | $104,070 |
| 10 | Construction Management (12%) | LS | 1 | $83,256 | $83,256 |
| 11 | Utilities (5%) | LS | 1 | $34,690 | $34,690 |
| 12 | Traffic Control (5%) | LS | 1 | $34,690 | $34,690 |
| | | | | Subtotal | $1,089,271 |
| | | | | Contingency (20%) | $217,854 |
| | | | | Total | $1,307,125 |


Desert Jewel Dr
Arroyo Dr
Crestview Dr
PROPOSED 3 - 10' x 4' RCBC
MAX DEPTH: 6 FT
Q10 = 555 CFS
Q100 = 1333 CFS
MAX DEPTH: 7.8 FT
Q10 = 498 CFS
Q100 = 1,117 CFS
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
MAX DEPTH: 8.2 FT
Q10 = 477 CFS
Q100 = 835 CFS
APN: 16874004B
APN: 16874004D
APN: 16874004J
APN: 16874004F
APN: 16875038
APN: 16875037
APN: 16907126
APN: 16907125
APN: 16906002B
APN: 16907124
APN: 16907075
APN: 16907074
APN: 16907073
APN: 16907072
APN: 16907081
APN: 16907082
APN: 16907083
APN: 16907084
APN: 16907063
APN: 16907064
APN: 16907065
APN: 16907066
APN: 16907067
APN: 16907068B
N
0 35 70 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST L
PROJECT ALTERNATIVE #2
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Project Alternative #2 Improvements
Box Culvert
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

## Conceptual Cost Estimate for Alternative 2

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 2 - 10' x 4' RCBC | LF | 110 | $2,300 | $253,000 |
| 2 | 3 - 10' x 4' RCBC | LF | 30 | $3,400 | $102,000 |
| 3 | Headwalls | EA | 6 | $10,000 | $60,000 |
| 4 | Grouted Riprap | CY | 21 | $470 | $9,870 |
| 5 | Demolition | SY | 501 | $58 | $29,058 |
| 6 | Earthwork/Sediment Basin | CY | 780 | $45 | $35,100 |
| 7 | Pavement Replacement | TON | 165 | $475 | $78,375 |
| | | | | Sub Total | $567,403 |
| 8 | SWPPP (5%) | LS | 1 | $28,370 | $28,370 |
| 9 | Mobilization/Demobilization | LS | 1 | $100,000 | $100,000 |
| 10 | Design | LS | 1 | $100,000 | $100,000 |
| 11 | Construction Management (15%) | LS | 1 | $85,110 | $85,110 |
| 12 | Utilities (5%) | LS | 1 | $28,370 | $28,370 |
| 13 | Traffic Control (5%) | LS | 1 | $28,370 | $28,370 |
| | | | | Subtotal | $937,624 |
| | | | | Contingency (20%) | $187,525 |
| | | | | Total | $1,125,149 |

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Acquisition? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **1** | **1** | **1** | **1** | **2** | **1** | **2** | **2** | **11** | **17** | **No** |
| **Alternative 2** | **1** | **2** | **1** | **1** | **2** | **1** | **2** | **2** | **12** | **18** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least Expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Maximum Possible Score | 67 - Maximum Possible Score | |

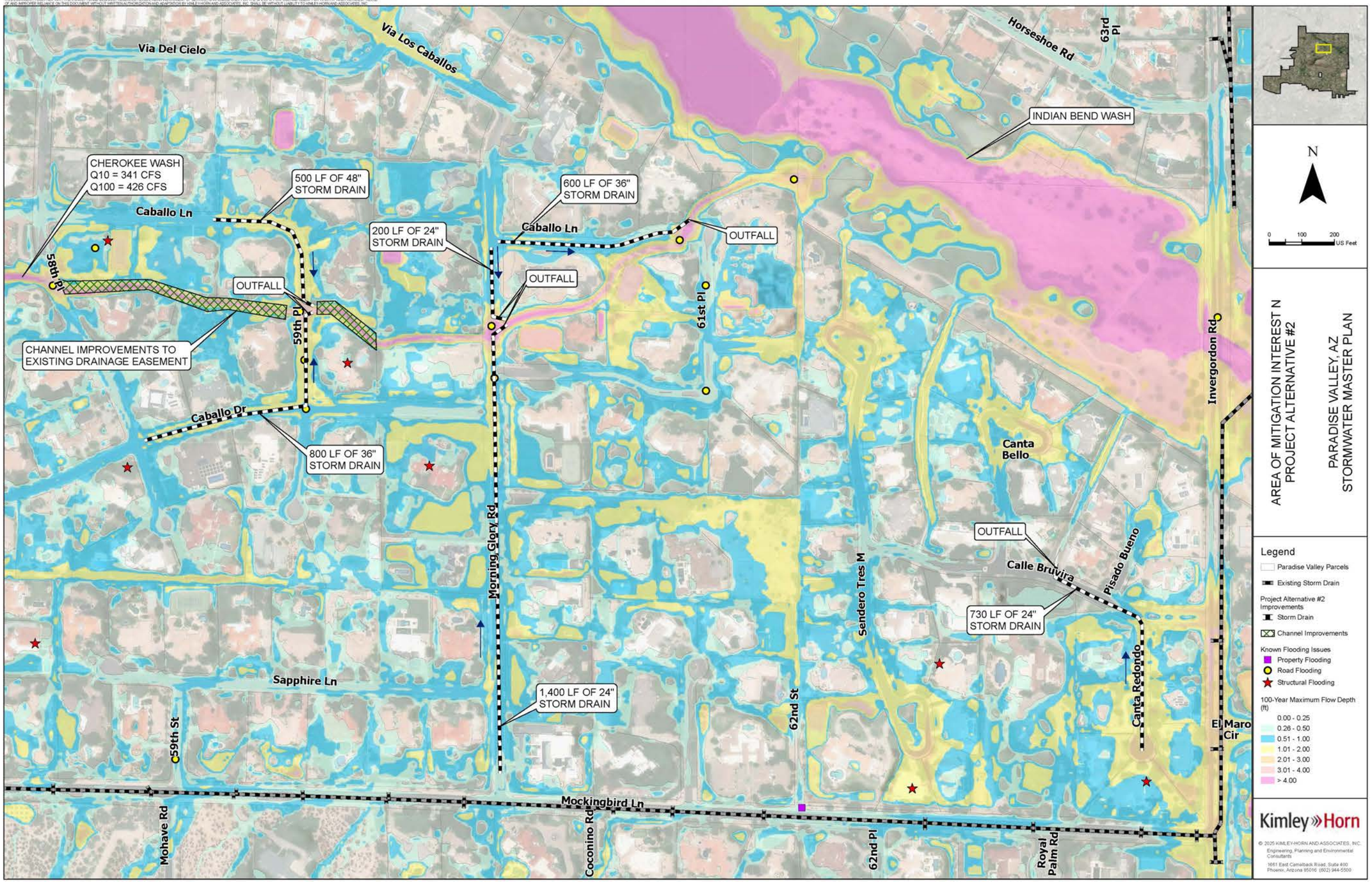
# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA N ALTERNATIVES

Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
PROPOSED 10' x 4' RCBC
58th Pl
PROPOSED 10' x 4' RCBC
CHANNEL IMPROVEMENTS TO EXISTING DRAINAGE EASEMENT
PROPOSED 10' x 4' RCBC
59th Pl
Morning Glory Rd
PROPOSED 10' x 4' RCBC
PROPOSED 10' x 4' RCBC
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST N
PROJECT ALTERNATIVE #1
Legend
Paradise Valley Parcels
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Road Flooding
Structural Flooding
Project Alternative #1 Improvements
Box Culvert
Channel Improvements
100-Year Maximum Flow Depth (ft)
Value
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 4 - 10' x 4' RCBC | LF | 200 | $7,200 | $1,440,000 |
| 2 | Headwall | EA | 8 | $8,000 | $64,000 |
| 3 | Grouted Riprap | CY | 32 | $480 | $15,360 |
| 4 | Pavement Removal and Replacement | LF | 800 | $150 | $120,000 |
| 6 | Clearing and Grubbing | AC | 1 | $25,000 | $25,000 |
| 7 | Channel Grading | LS | 1 | $15,000 | $15,000 |
| | | | | Subtotal | $1,679,360 |
| 8 | SWPPP (3%) | LS | 1 | $50,381 | $50,381 |
| 9 | Mobilization/Demobilization (12%) | LS | 1 | $201,523 | $201,523 |
| 10 | Design (10%) | LS | 1 | $167,936 | $167,936 |
| 11 | Construction Management (10%) | LS | 1 | $167,936 | $167,936 |
| 12 | Utilities (5%) | LS | 1 | $83,968 | $83,968 |
| 13 | Traffic Control (5%) | LS | 1 | $83,968 | $83,968 |
| | | | | Subtotal | $2,435,072 |
| | | | | Contingency (15%) | $365,261 |
| | | | | Total | $2,800,333 |


Via Del Cielo
Via Los Caballos
Horseshoe Rd
63rd Pl
INDIAN BEND WASH
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
500 LF OF 48" STORM DRAIN
600 LF OF 36" STORM DRAIN
200 LF OF 24" STORM DRAIN
Caballo Ln
OUTFALL
58th Pl
59th Pl
61st Pl
CHANNEL IMPROVEMENTS TO EXISTING DRAINAGE EASEMENT
Caballo Dr
800 LF OF 36" STORM DRAIN
Morning Glory Rd
Canta Bello
Invergordon Rd
Calle Bruvira
Pisado Bueno
730 LF OF 24" STORM DRAIN
Sendero Tres M
Canta Redondo
Sapphire Ln
1,400 LF OF 24" STORM DRAIN
62nd St
59th St
El Maro Cir
Mockingbird Ln
Mohave Rd
Coconino Rd
62nd Pl
Royal Palm Rd
N
0 100 200 US Feet
AREA OF MITIGATION INTEREST N
PROJECT ALTERNATIVE #2
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
Legend
Paradise Valley Parcels
Existing Storm Drain
Project Alternative #2 Improvements
Storm Drain
Channel Improvements
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 2

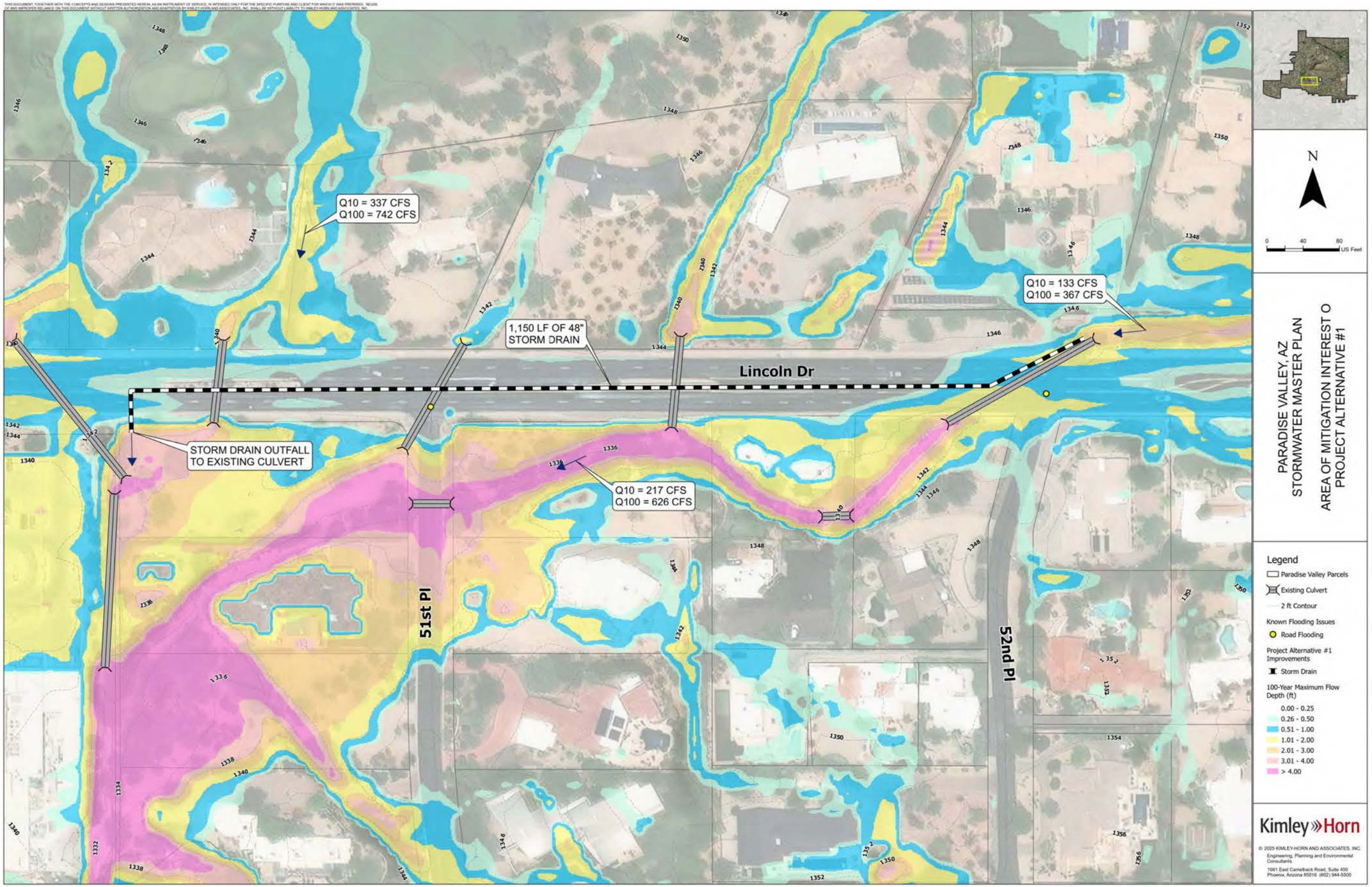
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 36" RCP Storm Drain | LF | 3,810 | $420 | $1,600,200 |
| 2 | 48" RCP Storm Drain | LF | 525 | $600 | $315,000 |
| 3 | Outlet structure | EA | 5 | $2,100 | $10,500 |
| 4 | Catch Basin | EA | 21 | $12,000 | $252,000 |
| 5 | Manhole | EA | 24 | $10,000 | $240,000 |
| 6 | Clearing and Grubbing | AC | 1 | $25,000 | $25,000 |
| 7 | Channel Grading | LS | 1 | $15,000 | $15,000 |
| | | | | Subtotal | 2,457,700 |
| 6 | SWPPP (2%) | LS | 1 | $49,154 | $49,154 |
| 7 | Mobilization/Demobilization (10%) | LS | 1 | $245,770 | $245,770 |
| 8 | Design (12%) | LS | 1 | $294,924 | $294,924 |
| 9 | Construction Management (10%) | LS | 1 | $245,770 | $245,770 |
| 10 | Utilities (3%) | LS | 1 | $73,731 | $73,731 |
| 11 | Traffic Control (3%) | LS | 1 | $73,731 | $73,731 |
| | | | | Subtotal | $3,440,780 |
| | | | | Contingency (15%) | $516,117 |
| | | | | Total | $3,956,897 |

## Area N

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Aqusition |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **1** | **2** | **2** | **1** | **2** | **1** | **2** | **1** | **12** | **43** | **No** |
| **Alternative 2** | **1** | **1** | **2** | **1** | **2** | **1** | **2** | **1** | **11** | **38** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Highest achievable score | 67 - Highest achievable score | |

# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA O ALTERNATIVES


Q10 = 337 CFS
Q100 = 742 CFS
1,150 LF OF 48" STORM DRAIN
Lincoln Dr
Q10 = 133 CFS
Q100 = 367 CFS
STORM DRAIN OUTFALL TO EXISTING CULVERT
Q10 = 217 CFS
Q100 = 626 CFS
51st Pl
52nd Pl
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST O
PROJECT ALTERNATIVE #1
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Alternative #1 Improvements
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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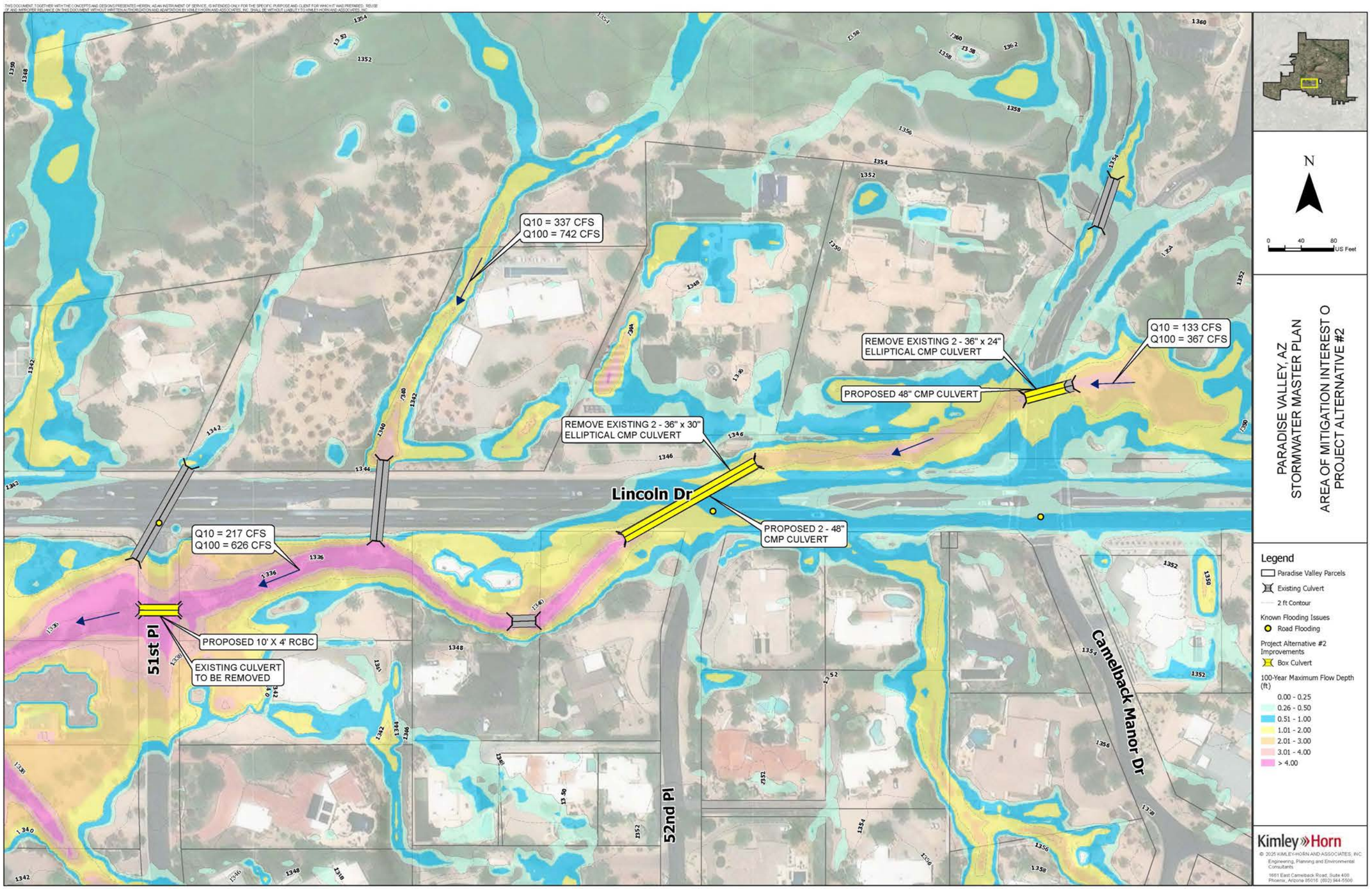
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | Storm Drain 60" | LF | 1,150 | $780 | $897,000 |
| 2 | Catch Basin | EA | 5 | $10,000 | $50,000 |
| 3 | Inlet/Oulet Structure | EA | 2 | $3,600 | $7,200 |
| 4 | Remove and Replace Pavement | LF | 1,200 | $120 | $144,000 |
| 5 | Manhole | EA | 6 | $10,000 | $60,000 |
| | | | | Subtotal | $1,158,200 |
| 6 | SWPPP (5%) | LS | 1 | $57,910 | $57,910 |
| 7 | Mobilization/Demobilization (15%) | LS | 1 | $173,730 | $173,730 |
| 8 | Design (15%) | LS | 1 | $173,730 | $173,730 |
| 9 | Construction Management (12%) | LS | 1 | $138,984 | $138,984 |
| 10 | Utilities (10%) | LS | 1 | $115,820 | $115,820 |
| 11 | Traffic Control (10%) | LS | 1 | $115,820 | $115,820 |
| | | | | Subtotal | $1,934,194 |
| | | | | Contingency (20%) | $386,839 |
| | | | | Total | $2,321,033 |


Q10 = 337 CFS
Q100 = 742 CFS
REMOVE EXISTING 2 - 36" x 24" ELLIPTICAL CMP CULVERT
Q10 = 133 CFS
Q100 = 367 CFS
PROPOSED 48" CMP CULVERT
REMOVE EXISTING 2 - 36" x 30" ELLIPTICAL CMP CULVERT
Lincoln Dr
PROPOSED 2 - 48" CMP CULVERT
Q10 = 217 CFS
Q100 = 626 CFS
PROPOSED 10' X 4' RCBC
EXISTING CULVERT TO BE REMOVED
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST O
PROJECT ALTERNATIVE #2
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Alternative #2 Improvements
Box Culvert
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 2

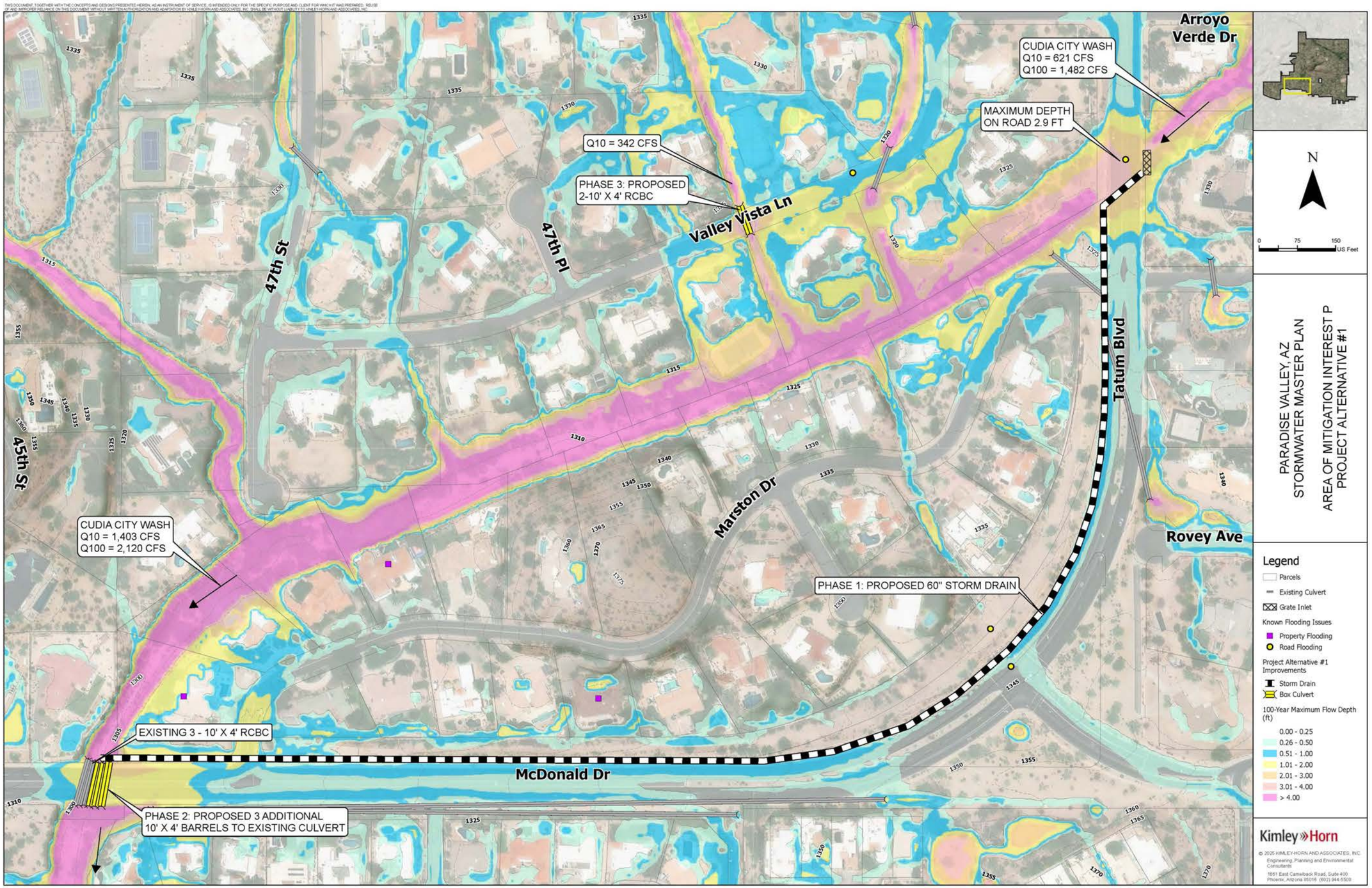
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| 1 | 10' x 4' RCBC | LF | 150 | $1,950 | $292,500 |
| 2 | 48" RCP Culvert | LF | 555 | $570 | $316,350 |
| 4 | Headwalls | EA | 6 | $12,000 | $72,000 |
| 5 | Grouted Riprap | CY | 22 | $470 | $10,340 |
| 6 | Excavation | CY | 1,050 | $65 | $68,250 |
| 7 | Remove and Replace Pavement | LF | 315 | $220 | $69,300 |
| | | | | Subtotal | $828,740 |
| 8 | SWPPP (5%) | LS | 1 | $41,437 | $41,437 |
| 9 | Mobilization/Demobilization (15%) | LS | 1 | $124,311 | $124,311 |
| 10 | Design (10%) | LS | 1 | $124,311 | $124,311 |
| 11 | Construction Management (10%) | LS | 1 | $82,874 | $82,874 |
| 12 | Utilities (12%) | LS | 1 | $99,449 | $99,449 |
| 13 | Traffic Control (15%) | LS | 1 | $124,311 | $124,311 |
| | | | | Subtotal | $1,425,433 |
| | | | | Contingency (25%) | $356,358 |
| | | | | Total | $1,781,791 |

## Area O Project Matrix

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Acquisition? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Alternative 1** | **1** | **1** | **2** | **1** | **2** | **1** | **2** | **1** | **11** | **38** | **No** |
| **Alternative 2** | **1** | **2** | **2** | **1** | **2** | **1** | **2** | **1** | **12** | **43** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 -Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Maximum possible score | 67 - Maximum possible score | |

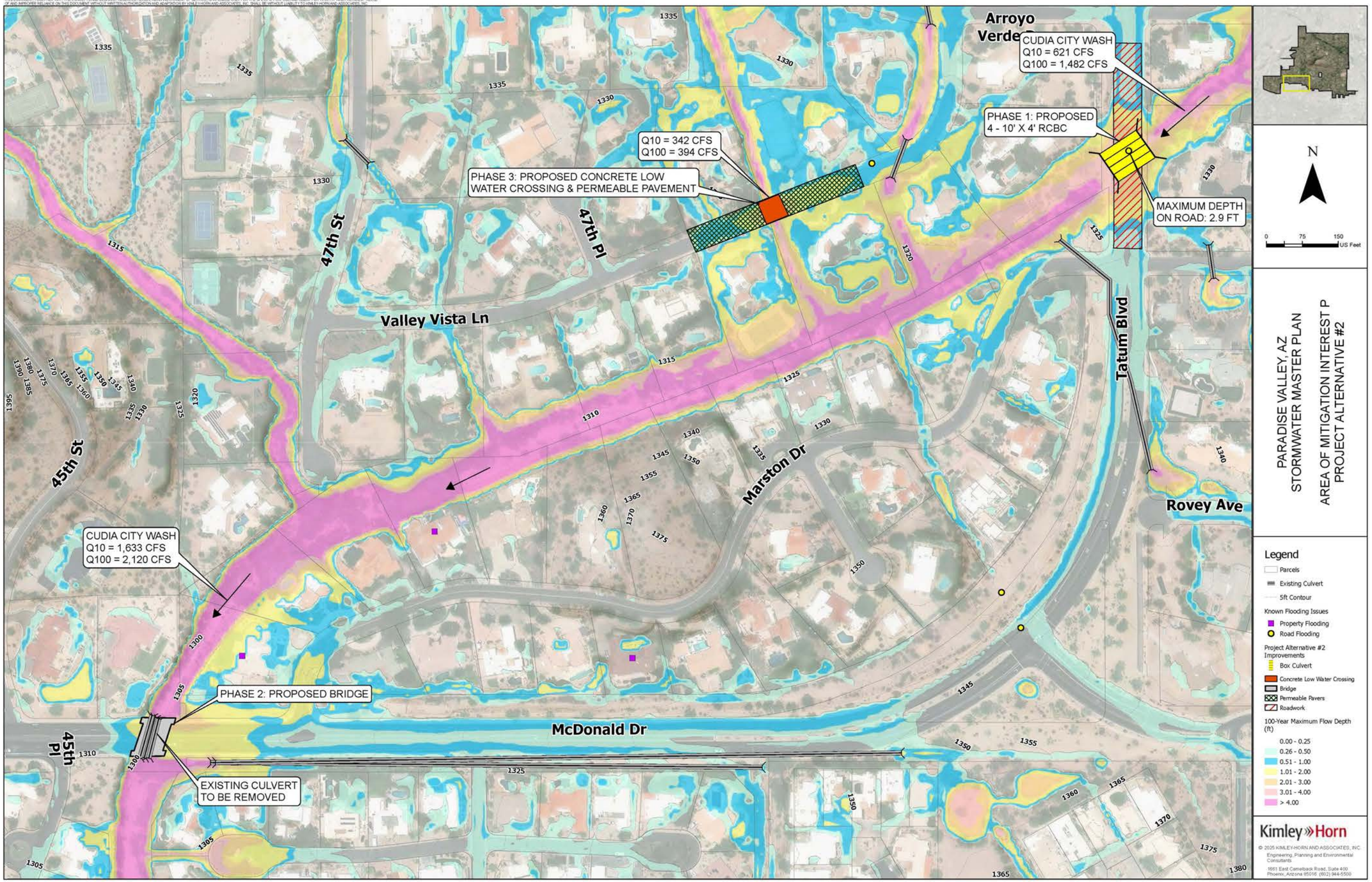
# XVII. APPENDIX E – PROJECT ALTERNATIVES, EOPC, AND MATRIX

## FLOOD HAZARD AREA H ALTERNATIVES


Arroyo Verde Dr
CUDIA CITY WASH
Q10 = 621 CFS
Q100 = 1,482 CFS
MAXIMUM DEPTH ON ROAD 2.9 FT
Q10 = 342 CFS
PHASE 3: PROPOSED 2-10' X 4' RCBC
Valley Vista Ln
47th St
47th Pl
45th St
Tatum Blvd
Marston Dr
Rovey Ave
CUDIA CITY WASH
Q10 = 1,403 CFS
Q100 = 2,120 CFS
PHASE 1: PROPOSED 60" STORM DRAIN
EXISTING 3 - 10' X 4' RCBC
McDonald Dr
PHASE 2: PROPOSED 3 ADDITIONAL 10' X 4' BARRELS TO EXISTING CULVERT
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST P
PROJECT ALTERNATIVE #1
Legend
Parcels
Existing Culvert
Grate Inlet
Known Flooding Issues
Property Flooding
Road Flooding
Project Alternative #1 Improvements
Storm Drain
Box Culvert
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn

Conceptual Cost Estimate for Alternative 1

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | **Phase 1: Tatum Boulevard Storm Drain** | | | | |
| 1 | Storm Drain (36") & Trenching | LF | 2900 | $1,300 | $3,770,000 |
| 2 | Outlet Structure | EA | 1 | $5,000 | $5,000 |
| 3 | Inlet Structure | EA | 1 | $3,500 | $3,500 |
| 4 | Remove and Replace Pavement | SY | 35 | $185 | $6,475 |
| 5 | Channel Excavation & Haul | CY | 16,250 | $20 | $325,000 |
| 6 | Clearing and Grubbing | AC | 4.85 | $4,000 | $19,400 |
| 7 | Landscaping | AC | 4.85 | $7,450 | $36,133 |
| | | | | Subtotal | $4,165,508 |
| 8 | SWPPP (1%) | LS | 1 | $41,655 | $41,655 |
| 9 | Mobilization/Demobilization (10%) | LS | 1 | $416,551 | $416,551 |
| 10 | Design (10%) | LS | 1 | $416,551 | $416,551 |
| 11 | Construction Management (10%) | LS | 1 | $416,551 | $416,551 |
| 12 | Utilities (3%) | LS | 1 | $124,965 | $124,965 |
| 13 | Traffic Control (3%) | LS | 1 | $124,965 | $124,965 |
| | | | | Subtotal | $5,706,745 |
| | | | | Contingency (20%) | $1,141,349 |
| | | | | Total | $6,848,094 |
| | **Phase 2: McDonald Drive Culvert Expansion** | | | | |
| 1 | 1 - 10' x 4' RCBC | LF | 90 | $2,200 | $198,000 |
| 2 | Drainage Excavation | CY | 575 | $185 | $106,375 |
| 3 | Pavement Removal and Replacment | SY | 167 | $185 | $30,895 |
| 4 | Headwall Extension | EA | 2 | $10,000 | $20,000 |
| | | | | Subtotal | $355,270 |
| 5 | SWPPP (5%) | LS | 1 | $17,764 | $17,764 |
| 6 | Mobilization/Demobilization | LS | 1 | $100,000 | $100,000 |
| 7 | Design | LS | 1 | $75,000 | $75,000 |
| 8 | Construction Management (15%) | LS | 1 | $53,291 | $53,291 |
| 9 | Utilities (8%) | LS | 1 | $28,422 | $28,422 |
| 10 | Traffic Control (8%) | LS | 1 | $28,422 | $28,422 |
| | | | | Subtotal | $658,167 |
| | | | | Contingency (20%) | $131,633 |
| | | | | Total | $789,801 |
| | **Phase 3: Valley Vista Culvert** | | | | |
| 1 | 36" RCP | LF | 35 | $435 | $15,225 |
| 2 | Headwall | EA | 2 | $1,200 | $2,400 |
| 3 | Grouted Riprap | CY | 15 | $270 | $4,050 |
| 4 | Remove and Replace Pavement | SY | 20 | $185 | $3,700 |
| 5 | Excavation | CY | 32 | $120 | $3,840 |
| | | | | Subtotal | $29,215 |
| 6 | SWPPP (5%) | LS | 1 | $1,461 | $1,461 |
| 7 | Mobilization/Demobilization | LS | 1 | $5,000 | $5,000 |
| 8 | Design | LS | 1 | $5,000 | $5,000 |
| 9 | Construction Management (10%) | LS | 1 | $2,922 | $2,922 |
| 10 | Utilities (5%) | LS | 1 | $1,461 | $1,461 |
| 11 | Traffic Control (5%) | LS | 1 | $1,461 | $1,461 |
| | | | | Subtotal | $46,519 |
| | | | | Contingency (20%) | $9,304 |
| | | | | Total | $55,823 |


Arroyo Verde
CUDIA CITY WASH
Q10 = 621 CFS
Q100 = 1,482 CFS
PHASE 1: PROPOSED
4 - 10' X 4' RCBC
MAXIMUM DEPTH
ON ROAD: 2.9 FT
Q10 = 342 CFS
Q100 = 394 CFS
PHASE 3: PROPOSED CONCRETE LOW
WATER CROSSING & PERMEABLE PAVEMENT
47th St
47th Pl
Valley Vista Ln
Tatum Blvd
Marston Dr
Rovey Ave
45th St
45th Pl
CUDIA CITY WASH
Q10 = 1,633 CFS
Q100 = 2,120 CFS
PHASE 2: PROPOSED BRIDGE
McDonald Dr
EXISTING CULVERT
TO BE REMOVED
N
0 75 150
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA OF MITIGATION INTEREST P
PROJECT ALTERNATIVE #2
Legend
Parcels
Existing Culvert
5ft Contour
Known Flooding Issues
Property Flooding
Road Flooding
Project Alternative #2
Improvements
Box Culvert
Concrete Low Water Crossing
Bridge
Permeable Pavers
Roadwork
100-Year Maximum Flow Depth
(ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Consultants
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Phoenix, Arizona 85016 (602) 944-5500

Conceptual Cost Estimate for Alternative 2

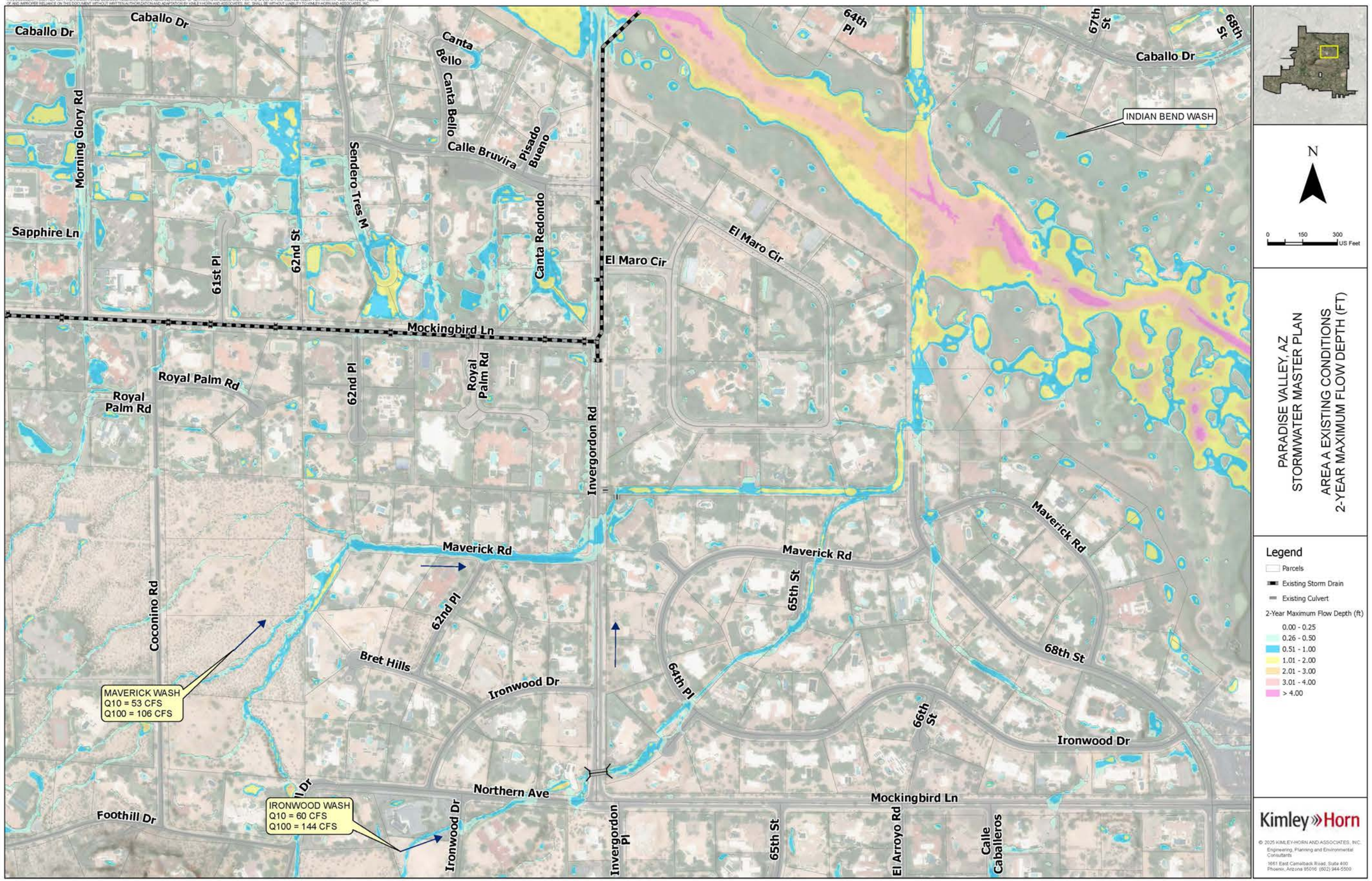
| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | **Phase 1: Tatum Boulevard Culvert** | | | | |
| 1 | 4 - 10' x 4' RCBC | LF | 110 | $6,400 | $704,000 |
| 2 | Inlet | EA | 1 | $20,000 | $20,000 |
| 3 | Outlet | EA | 1 | $20,000 | $20,000 |
| 4 | Channel Excavation & Haul | CY | 1,100 | $55 | $60,500 |
| 5 | Manhole | EA | 3 | $10,000 | $30,000 |
| 6 | Roadway Profile Raise | LF | 500 | $550 | $275,000 |
| 7 | Riprap | CY | 250 | $100 | $25,000 |
| | | | | Subtotal | $1,134,500 |
| 8 | SWPPP (3%) | LS | 1 | $34,035 | $34,035 |
| 9 | Mobilization/Demobilization (10%) | LS | 1 | $113,450 | $113,450 |
| 10 | Design (10%) | LS | 1 | $113,450 | $113,450 |
| 11 | Construction Management (10%) | LS | 1 | $113,450 | $113,450 |
| 12 | Utilities (7%) | LS | 1 | $79,415 | $79,415 |
| 13 | Traffic Control (5%) | LS | 1 | $56,725 | $56,725 |
| | | | | Subtotal | $1,645,025 |
| | | | | Contingency (20%) | $329,005 |
| | | | | Total | $1,974,030 |
| | **Phase 2: McDonald Drive Bridge** | | | | |
| 1 | Removal of Stuctural Concrete | CY | 425 | $305 | $129,625 |
| 2 | Precast, Prestressed Concrete Bridge Member | LF | 100 | $850 | $85,000 |
| 3 | Pedestrian-Traffic Bridge Railing | LF | 120 | $380 | $45,600 |
| 4 | Structural Concrete | CY | 650 | $2,750 | $1,787,500 |
| | | | | Subtotal | $2,047,725 |
| 5 | SWPPP (1%) | LS | 1 | $20,477 | $20,477 |
| 6 | Mobilization/Demobilization (10%) | LS | 1 | $204,773 | $204,773 |
| 7 | Design (10%) | LS | 1 | $204,773 | $204,773 |
| 8 | Construction Management (10%) | LS | 1 | $204,773 | $204,773 |
| 9 | Utilities (3%) | LS | 1 | $61,432 | $61,432 |
| 10 | Traffic Control (2%) | LS | 1 | $40,955 | $40,955 |
| | | | | Subtotal | $2,784,908 |
| | | | | Contingency (20%) | $556,982 |
| | | | | Total | $3,341,890 |
| | **Phase 3: Valley Vista Low Water Crossing** | | | | |
| 1 | Removal of Existing Pavement | SY | 970 | $10 | $9,700 |
| 2 | Permeable Pavement | LF | 375 | $32 | $12,000 |
| 3 | Portland Cement Concrete Pavement | SY | 100 | $120 | $12,000 |
| | | | | Subtotal | $33,700 |
| 4 | SWPPP (3%) | LS | 1 | $1,011 | $1,011 |
| 5 | Mobilization/Demobilization | LS | 1 | $3,370 | $3,370 |
| 6 | Design (10%) | LS | 1 | $3,370 | $3,370 |
| 7 | Construction Management (10%) | LS | 1 | $3,370 | $3,370 |
| 8 | Utilities (5%) | LS | 1 | $1,685 | $1,685 |
| 9 | Traffic Control (3%) | LS | 1 | $1,011 | $1,011 |
| | | | | Subtotal | $47,517 |
| | | | | Contingency (20%) | $9,503 |
| | | | | Total | $57,020 |

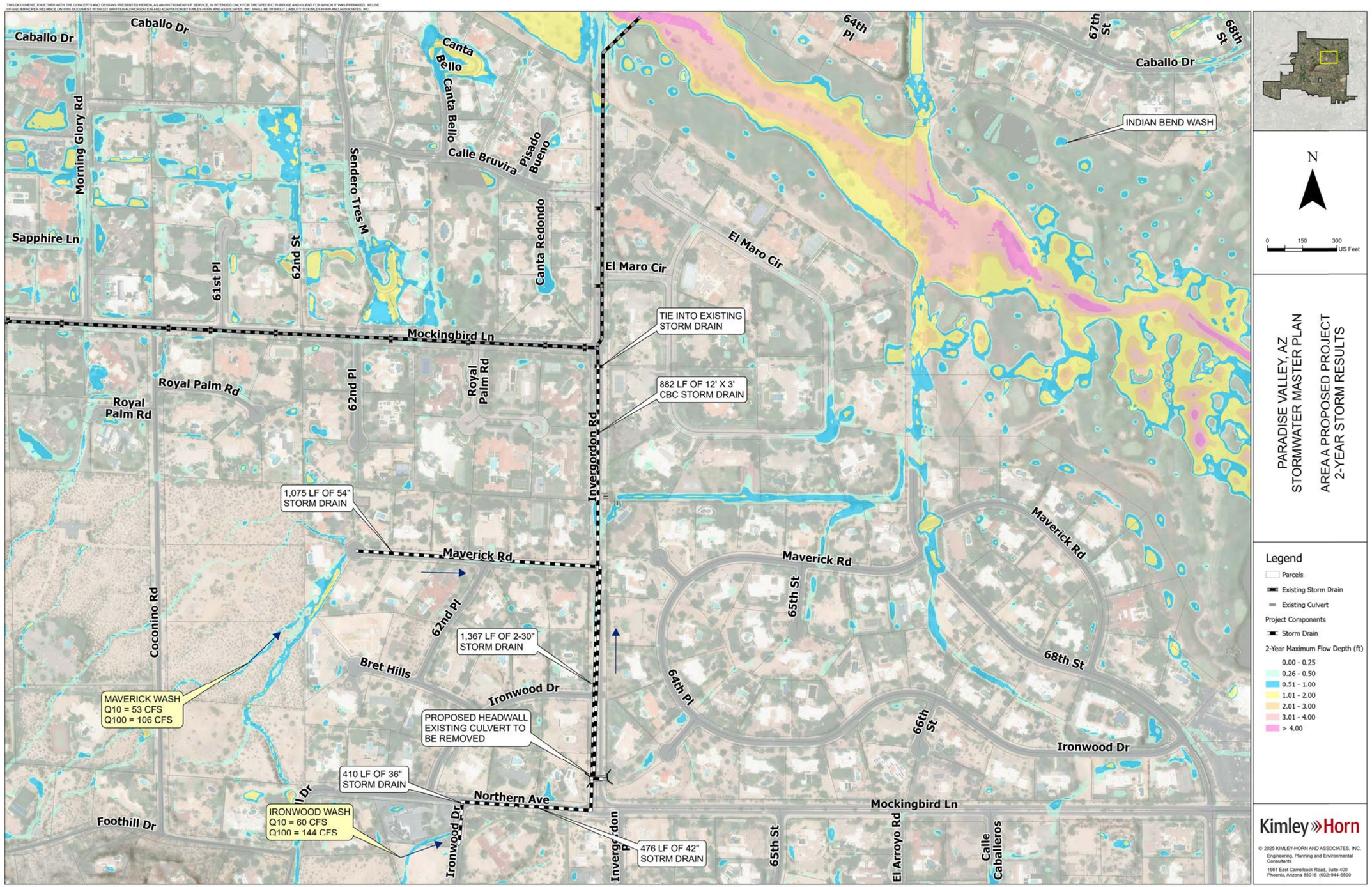
## Area P Project Matrix

| | Potential Stuctures Protected | Design and Construction Cost | Potential Streets Protected | GSI Benefits | Project Partnership | Multi-use Opportunities | O&M Constraints and Costs | Utility Constraints | Total Raw Score | Total Weighted Score | Significant R/W Acquisition? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Priority Weighting 1 - 5* | 5 | 5 | 4 | 1 | 4 | 2 | 3 | 3 | | | |
| **Phase 1: Alternative 1** | **1** | **1** | **2** | **1** | **2** | **1** | **2** | **1** | **11** | **38** | **No** |
| **Phase 1: Alternative 2** | **1** | **2** | **2** | **1** | **2** | **1** | **2** | **1** | **12** | **43** | **No** |
| **Phase 2: Alternative 1** | **1** | **2** | **2** | **1** | **2** | **1** | **2** | **1** | **12** | **43** | **No** |
| **Phase 2: Alternative 2** | **1** | **1** | **2** | **1** | **2** | **1** | **2** | **1** | **11** | **38** | **No** |
| **Phase 3: Alternative 1** | **1** | **2** | **1** | **1** | **2** | **1** | **2** | **2** | **12** | **42** | **No** |
| **Phase 3: Alternative 2** | **1** | **1** | **1** | **2** | **2** | **1** | **2** | **2** | **12** | **38** | **No** |
| Ranking Criteria | 1 - 1 to 30 structures<br>2 - 31 to 50 structures<br>3 - > 51 structures | 1 - Most expensive<br>2 - Least expensive | 1 - Local street benefits only<br>2 - Collector street or local streets benefit<br>3 - Multiple collector streets and local streets benefit | 1 - No opportunities<br>2 - Some opportunities | 1 - Grant funding or partnerships unlikely<br>2 - Local partnerships/grant eligible<br>3 - Local and Federal partnerships/grant eligible | 1 - No opportunities<br>2 - Some opportunities | 1 - Maintenance after every storm event<br>2 - Maintenance at standard intervals | 1 - Major constraints<br>2 - Minor constraints | 19 - Maximum Possible Score | 67 - Maximum Possible Score | |

# XVIII. APPENDIX F – HIGHEST PRIORITY PROJECTS ANTICIPATED PERFORMANCE

## FLOOD HAZARD AREA A


Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
Mockingbird Ln
Royal Palm Rd
62nd Pl
Invergordon Rd
64th Pl
67th St
68th St
INDIAN BEND WASH
Maverick Rd
65th St
Coconino Rd
Bret Hills
Ironwood Dr
66th St
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
Northern Ave
Foothill Dr
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Invergordon Pl
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA A EXISTING CONDITIONS
2-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Parcels
Existing Storm Drain
Existing Culvert
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
Mockingbird Ln
Royal Palm Rd
62nd Pl
Invergordon Rd
64th Pl
67th St
68th St
INDIAN BEND WASH
TIE INTO EXISTING STORM DRAIN
882 LF OF 12' X 3' CBC STORM DRAIN
1,075 LF OF 54" STORM DRAIN
Maverick Rd
65th St
66th St
Coconino Rd
Bret Hills
Ironwood Dr
1,367 LF OF 2-30" STORM DRAIN
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL EXISTING CULVERT TO BE REMOVED
410 LF OF 36" STORM DRAIN
Northern Ave
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Foothill Dr
476 LF OF 42" SOTRM DRAIN
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA A PROPOSED PROJECT
2-YEAR STORM RESULTS
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
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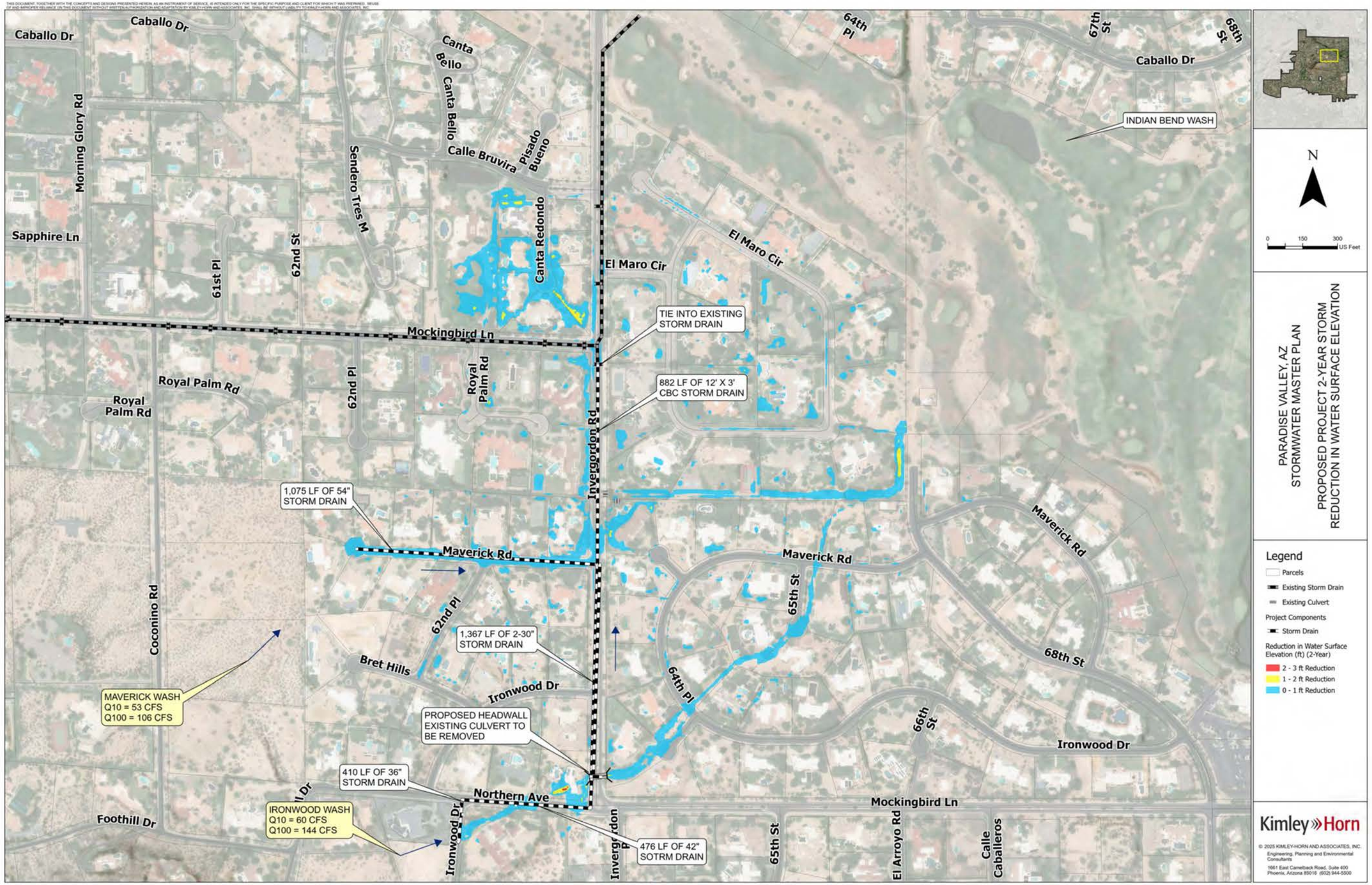
Phoenix, Arizona 85016 (602) 944-5500


Caballo Dr
Caballo Dr
Canta Bello
Canta Bello
Calle Bruvira
Pisado Bueno
Morning Glory Rd
Sendero Tres M
Sapphire Ln
61st Pl
62nd St
Canta Redondo
El Maro Cir
El Maro Cir
64th Pl
67th St
68th St
Caballo Dr
INDIAN BEND WASH
Mockingbird Ln
TIE INTO EXISTING STORM DRAIN
882 LF OF 12' X 3' CBC STORM DRAIN
Royal Palm Rd
Royal Palm Rd
Royal Palm Rd
62nd Pl
Invergordon Rd
1,075 LF OF 54" STORM DRAIN
Maverick Rd
Maverick Rd
Maverick Rd
65th St
68th St
Coconino Rd
62nd Pl
1,367 LF OF 2-30" STORM DRAIN
Bret Hills
Ironwood Dr
64th Pl
66th St
Ironwood Dr
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL
EXISTING CULVERT TO BE REMOVED
410 LF OF 36" STORM DRAIN
Northern Ave
Mockingbird Ln
Foothill Dr
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Ironwood Dr
Invergordon Rd
476 LF OF 42" SOTRM DRAIN
65th St
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 2-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Reduction in Water Surface Elevation (ft) (2-Year)
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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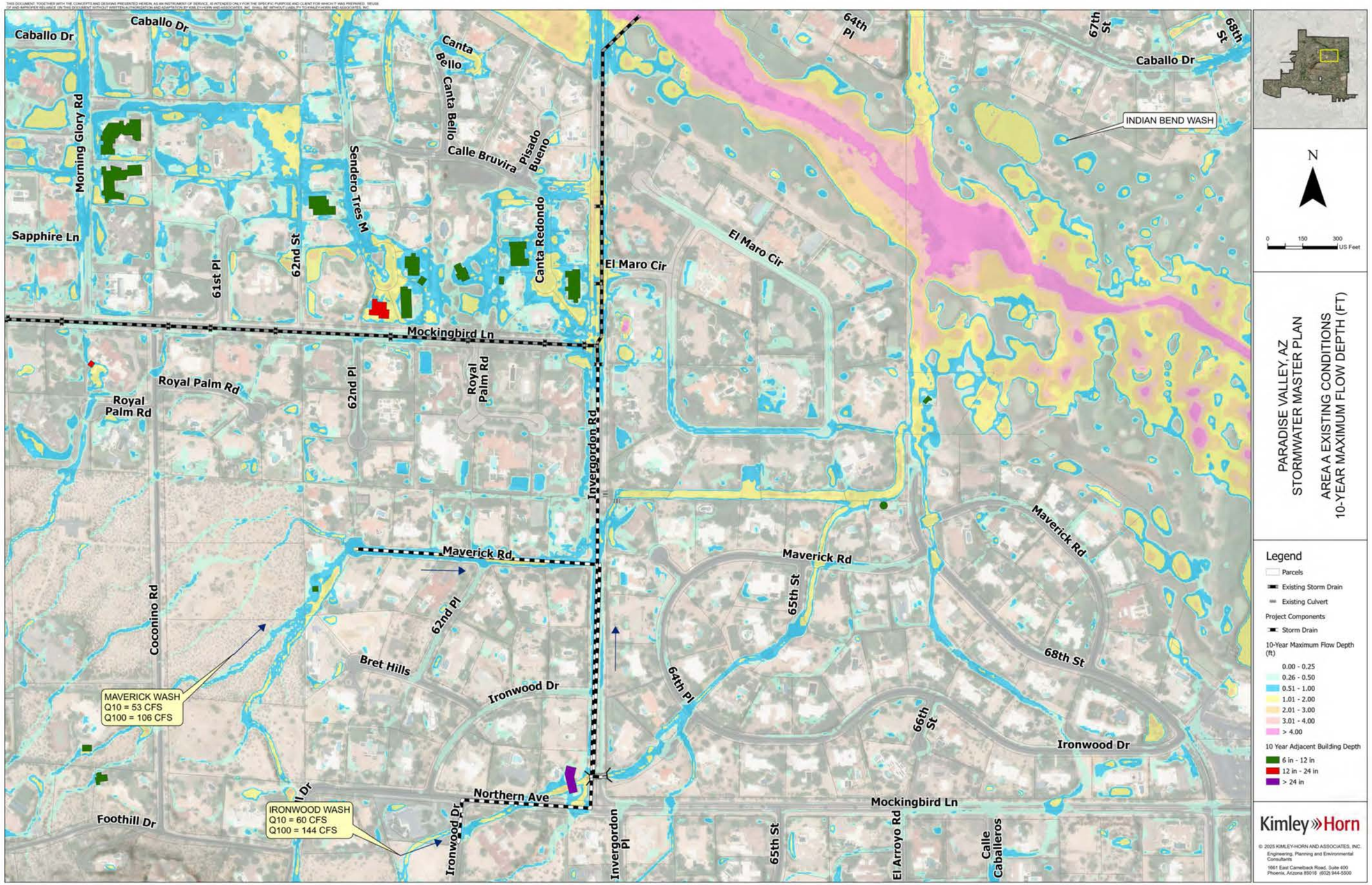
Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
Mockingbird Ln
Royal Palm Rd
62nd Pl
Invergordon Rd
Maverick Rd
Coconino Rd
Bret Hills
Ironwood Dr
Northern Ave
Foothill Dr
Invergordon Pl
64th Pl
65th St
66th St
67th St
68th St
El Arroyo Rd
Calle Caballeros
INDIAN BEND WASH
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA A EXISTING CONDITIONS
10-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
10 Year Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
Kimley»Horn
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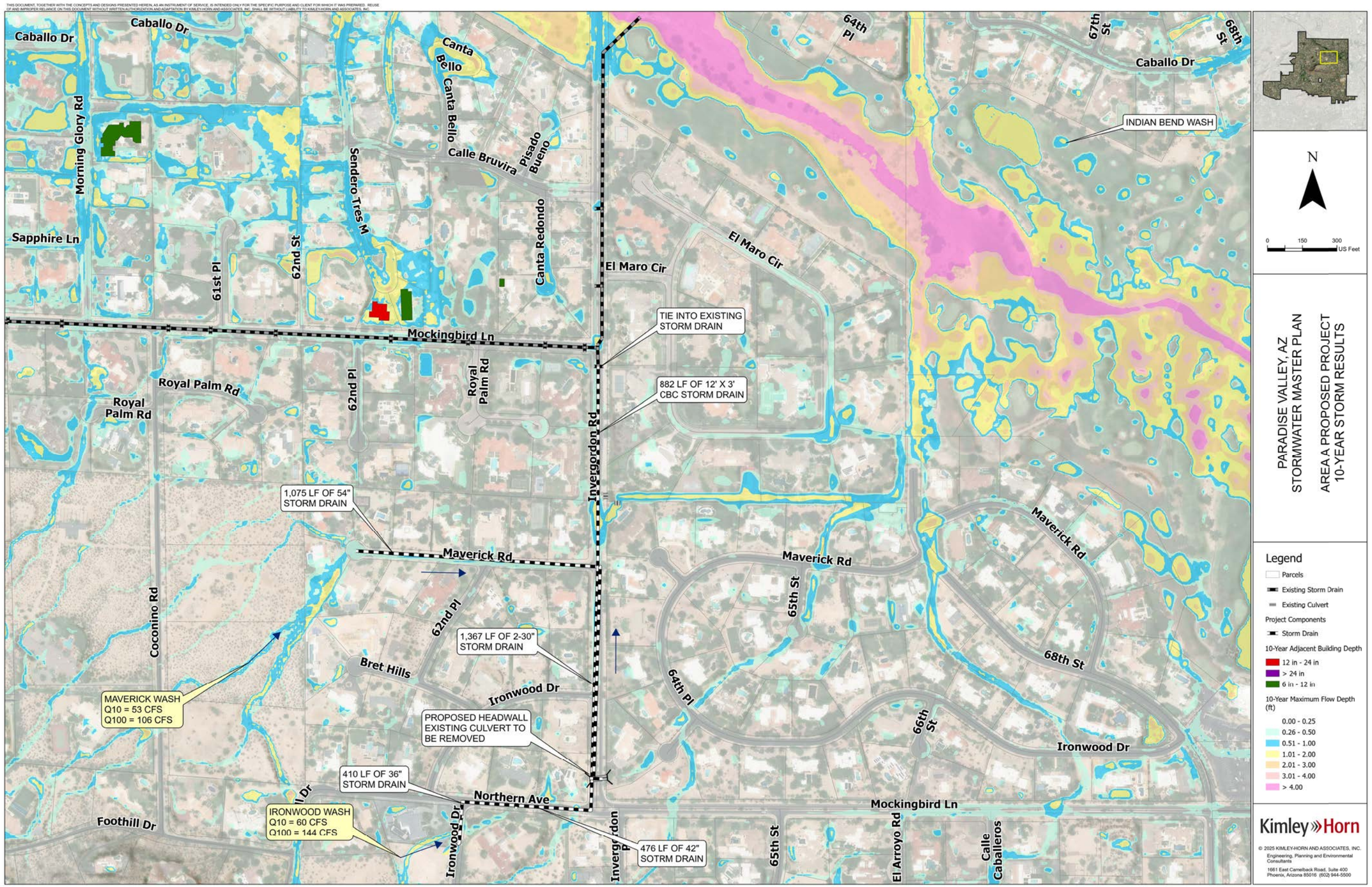
Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
Mockingbird Ln
Royal Palm Rd
62nd Pl
Invergordon Rd
64th Pl
67th St
68th St
INDIAN BEND WASH
TIE INTO EXISTING STORM DRAIN
882 LF OF 12' X 3' CBC STORM DRAIN
1,075 LF OF 54" STORM DRAIN
Maverick Rd
65th St
66th St
Coconino Rd
1,367 LF OF 2-30" STORM DRAIN
Bret Hills
Ironwood Dr
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL
EXISTING CULVERT TO
BE REMOVED
410 LF OF 36" STORM DRAIN
Northern Ave
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Foothill Dr
476 LF OF 42" SOTRM DRAIN
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA A PROPOSED PROJECT
10-YEAR STORM RESULTS
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
10-Year Adjacent Building Depth
12 in - 24 in
> 24 in
6 in - 12 in
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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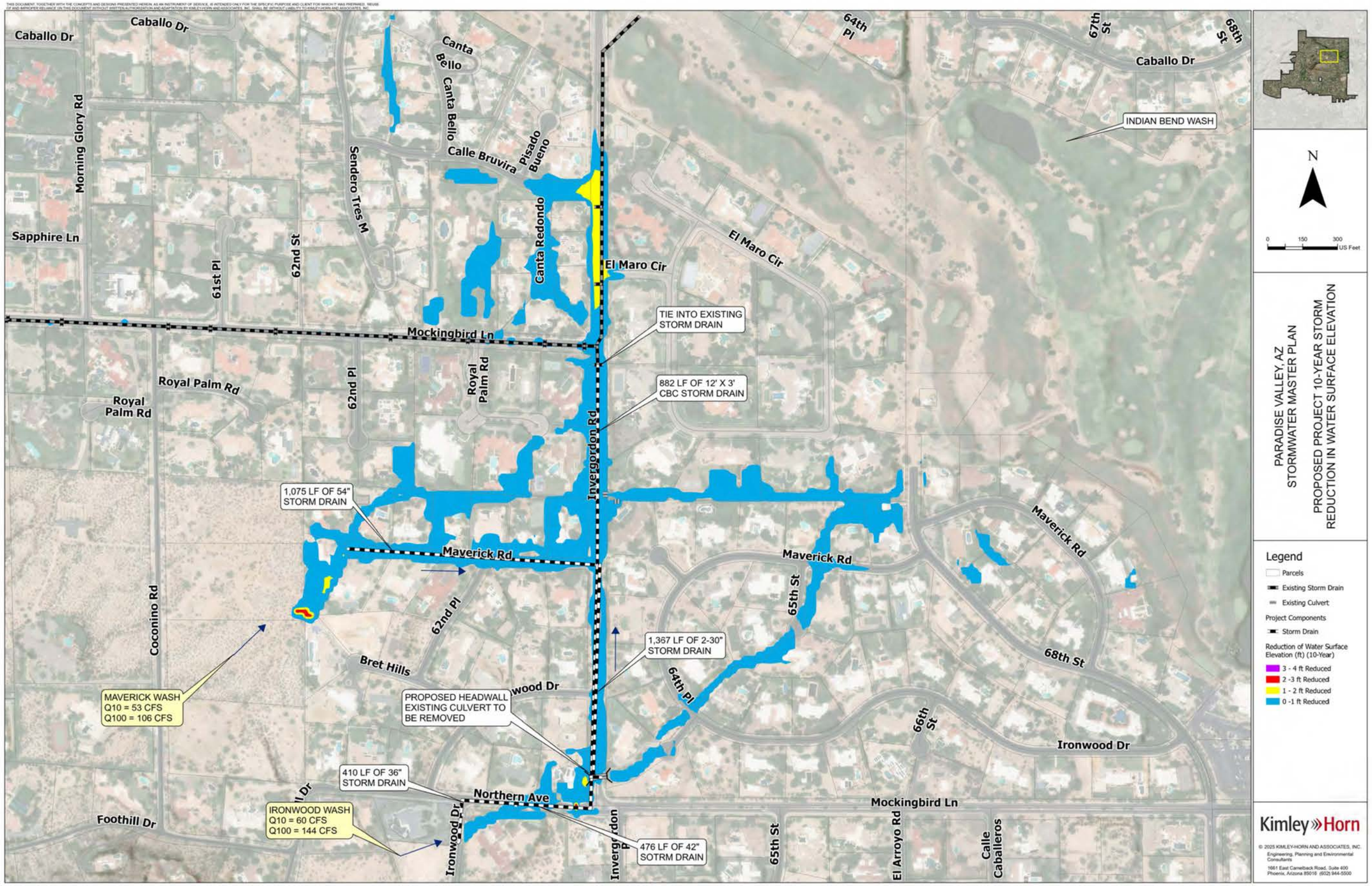
Caballo Dr
Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
El Maro Cir
64th Pl
67th St
68th St
Caballo Dr
INDIAN BEND WASH
Mockingbird Ln
Royal Palm Rd
Royal Palm Rd
Royal Palm Rd
62nd Pl
Invergordon Rd
TIE INTO EXISTING STORM DRAIN
882 LF OF 12' X 3' CBC STORM DRAIN
1,075 LF OF 54" STORM DRAIN
Maverick Rd
Maverick Rd
Maverick Rd
65th St
68th St
Coconino Rd
62nd Pl
Bret Hills
1,367 LF OF 2-30" STORM DRAIN
64th Pl
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL EXISTING CULVERT TO BE REMOVED
66th St
Ironwood Dr
410 LF OF 36" STORM DRAIN
Northern Ave
Mockingbird Ln
Foothill Dr
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Ironwood Dr
476 LF OF 42" SOTRM DRAIN
65th St
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 10-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Reduction of Water Surface Elevation (ft) (10-Year)
3 - 4 ft Reduced
2 -3 ft Reduced
1 - 2 ft Reduced
0 -1 ft Reduced
Kimley»Horn
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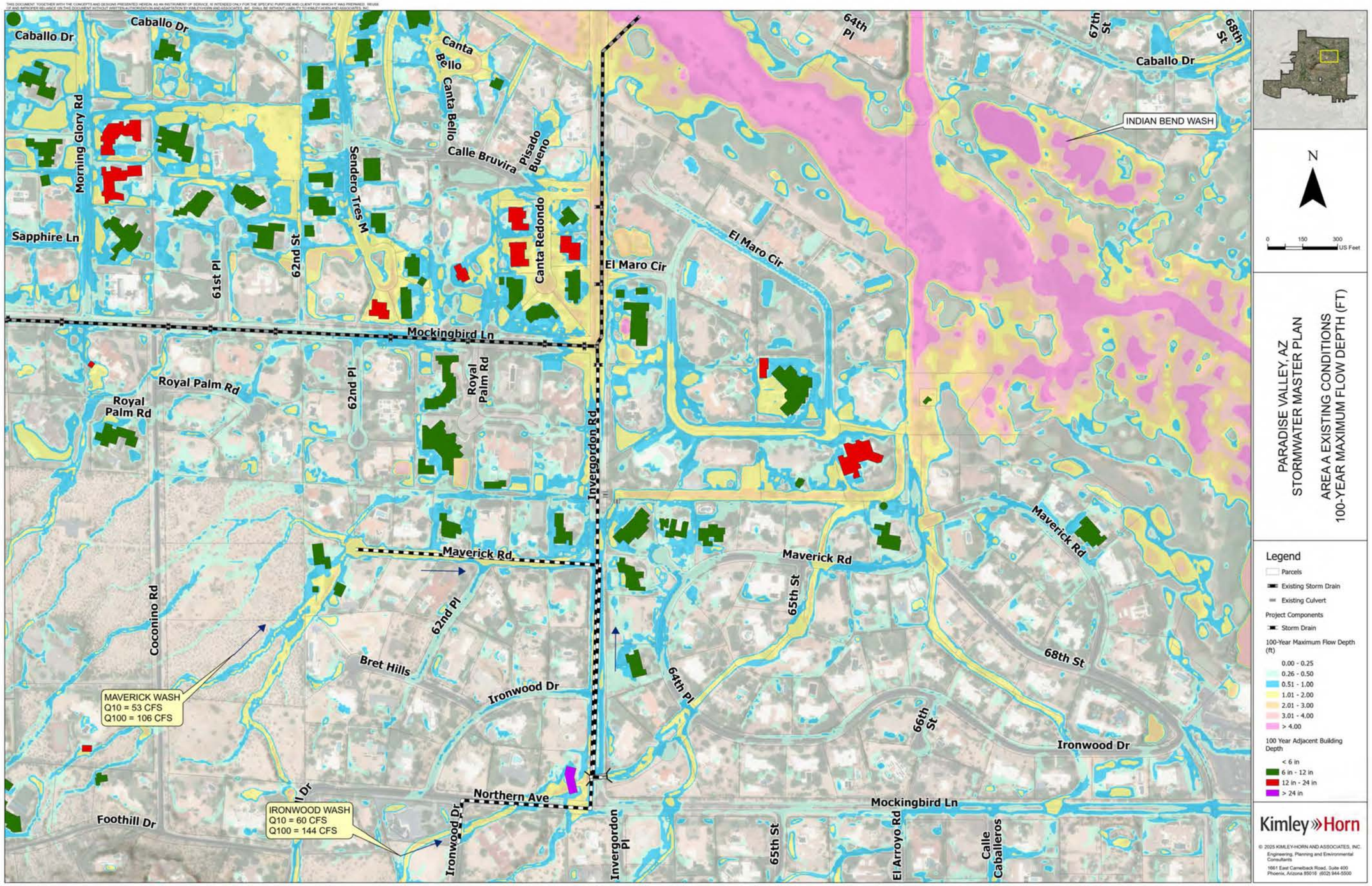
Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
64th Pl
67th St
68th St
INDIAN BEND WASH
Mockingbird Ln
Royal Palm Rd
62nd Pl
Invergordon Rd
Maverick Rd
65th St
66th St
Coconino Rd
Bret Hills
Ironwood Dr
Northern Ave
Foothill Dr
Invergordon Pl
El Arroyo Rd
Calle Caballeros
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA A EXISTING CONDITIONS
100-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
100 Year Adjacent Building Depth
< 6 in
6 in - 12 in
12 in - 24 in
> 24 in
Kimley»Horn
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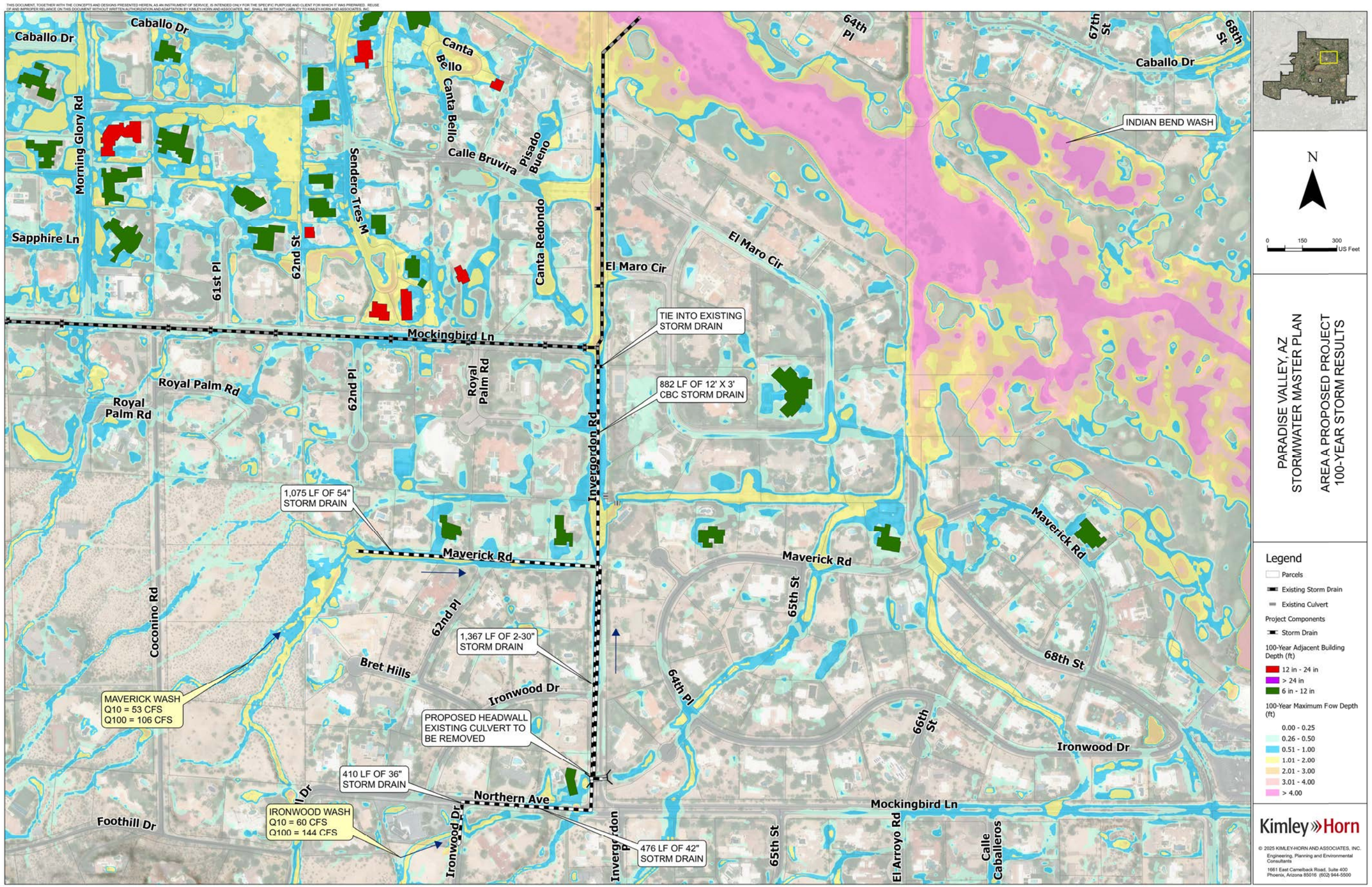
Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
Mockingbird Ln
Royal Palm Rd
62nd Pl
Invergordon Rd
64th Pl
67th St
68th St
INDIAN BEND WASH
TIE INTO EXISTING STORM DRAIN
882 LF OF 12' X 3' CBC STORM DRAIN
1,075 LF OF 54" STORM DRAIN
Maverick Rd
65th St
Coconino Rd
Bret Hills
Ironwood Dr
1,367 LF OF 2-30" STORM DRAIN
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL
EXISTING CULVERT TO BE REMOVED
410 LF OF 36" STORM DRAIN
Northern Ave
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Foothill Dr
476 LF OF 42" SOTRM DRAIN
66th St
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA A PROPOSED PROJECT
100-YEAR STORM RESULTS
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
100-Year Adjacent Building Depth (ft)
12 in - 24 in
> 24 in
6 in - 12 in
100-Year Maximum Fow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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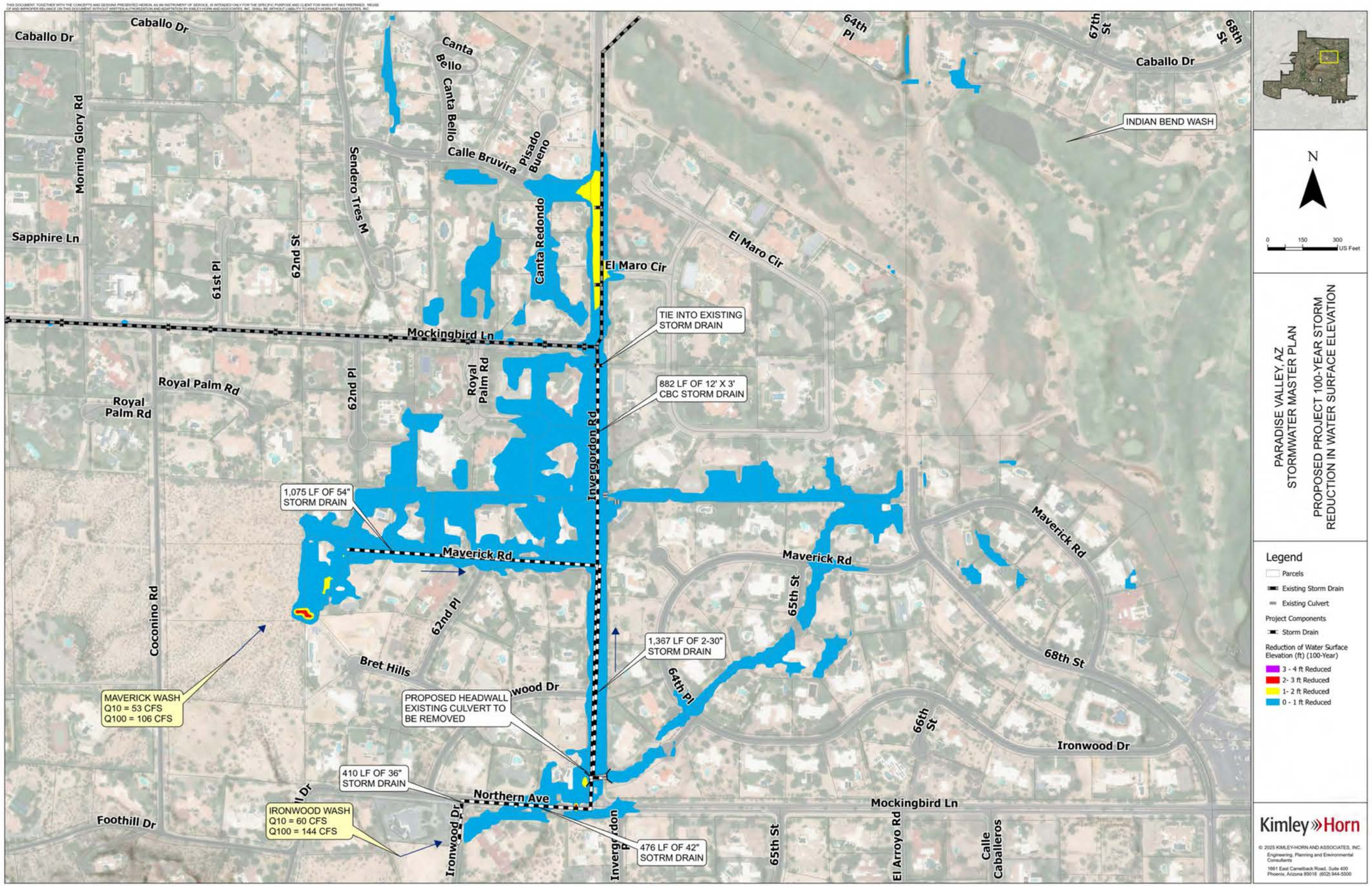
Caballo Dr
Caballo Dr
Morning Glory Rd
Sapphire Ln
61st Pl
62nd St
Sendero Tres M
Canta Bello
Canta Bello
Calle Bruvira
Pisado Bueno
Canta Redondo
El Maro Cir
El Maro Cir
64th Pl
67th St
68th St
Caballo Dr
INDIAN BEND WASH
Mockingbird Ln
TIE INTO EXISTING STORM DRAIN
882 LF OF 12' X 3' CBC STORM DRAIN
Royal Palm Rd
Royal Palm Rd
62nd Pl
Royal Palm Rd
Invergordon Rd
1,075 LF OF 54" STORM DRAIN
Maverick Rd
Maverick Rd
Maverick Rd
65th St
62nd Pl
Coconino Rd
Bret Hills
1,367 LF OF 2-30" STORM DRAIN
64th Pl
68th St
MAVERICK WASH
Q10 = 53 CFS
Q100 = 106 CFS
PROPOSED HEADWALL
EXISTING CULVERT TO BE REMOVED
66th St
Ironwood Dr
410 LF OF 36" STORM DRAIN
Northern Ave
Mockingbird Ln
Foothill Dr
IRONWOOD WASH
Q10 = 60 CFS
Q100 = 144 CFS
Ironwood Dr
Invergordon Rd
476 LF OF 42" SOTRM DRAIN
65th St
El Arroyo Rd
Calle Caballeros
N
0 150 300 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 100-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Reduction of Water Surface Elevation (ft) (100-Year)
3 - 4 ft Reduced
2- 3 ft Reduced
1- 2 ft Reduced
0 - 1 ft Reduced
Kimley»Horn
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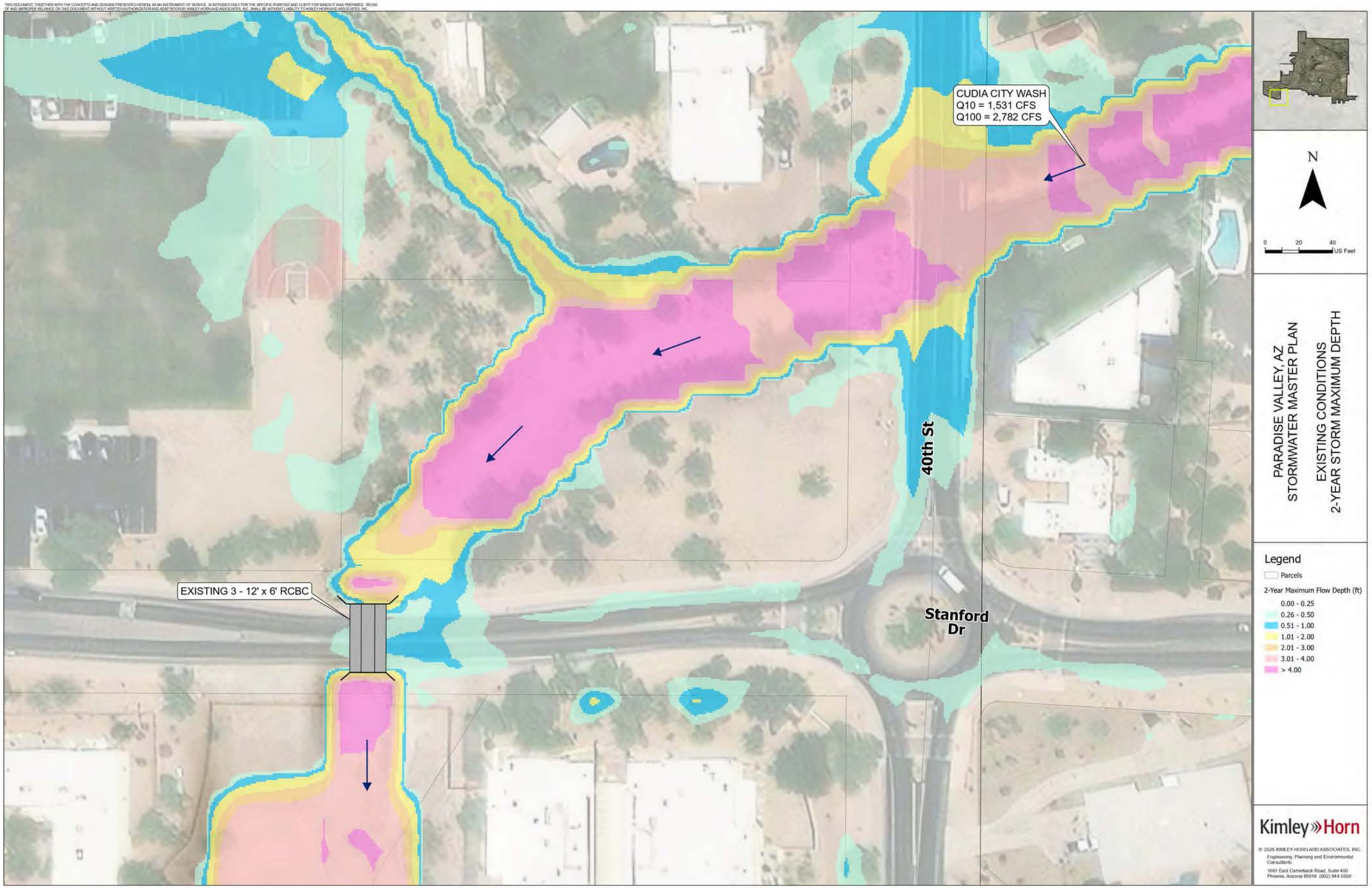
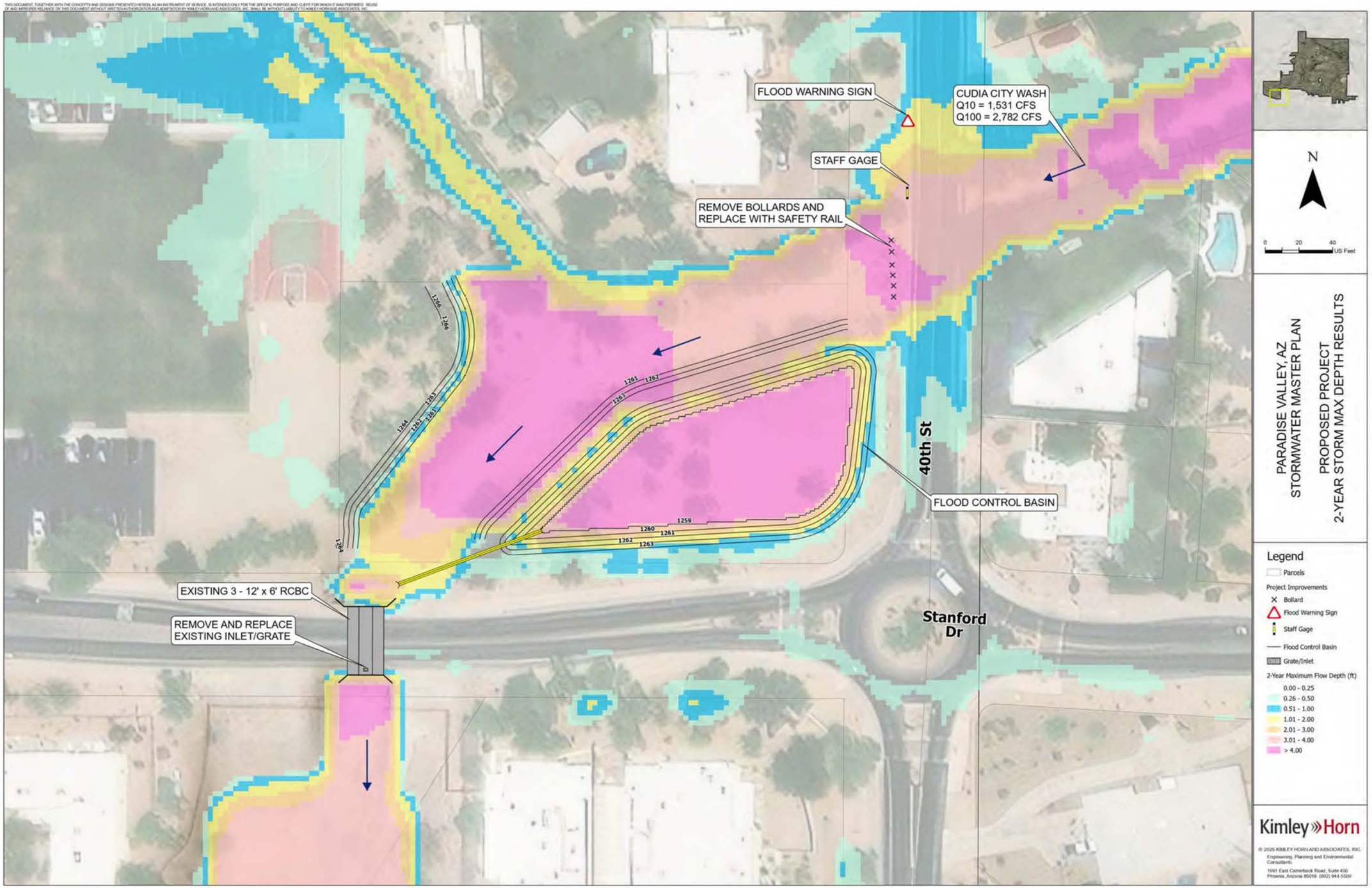
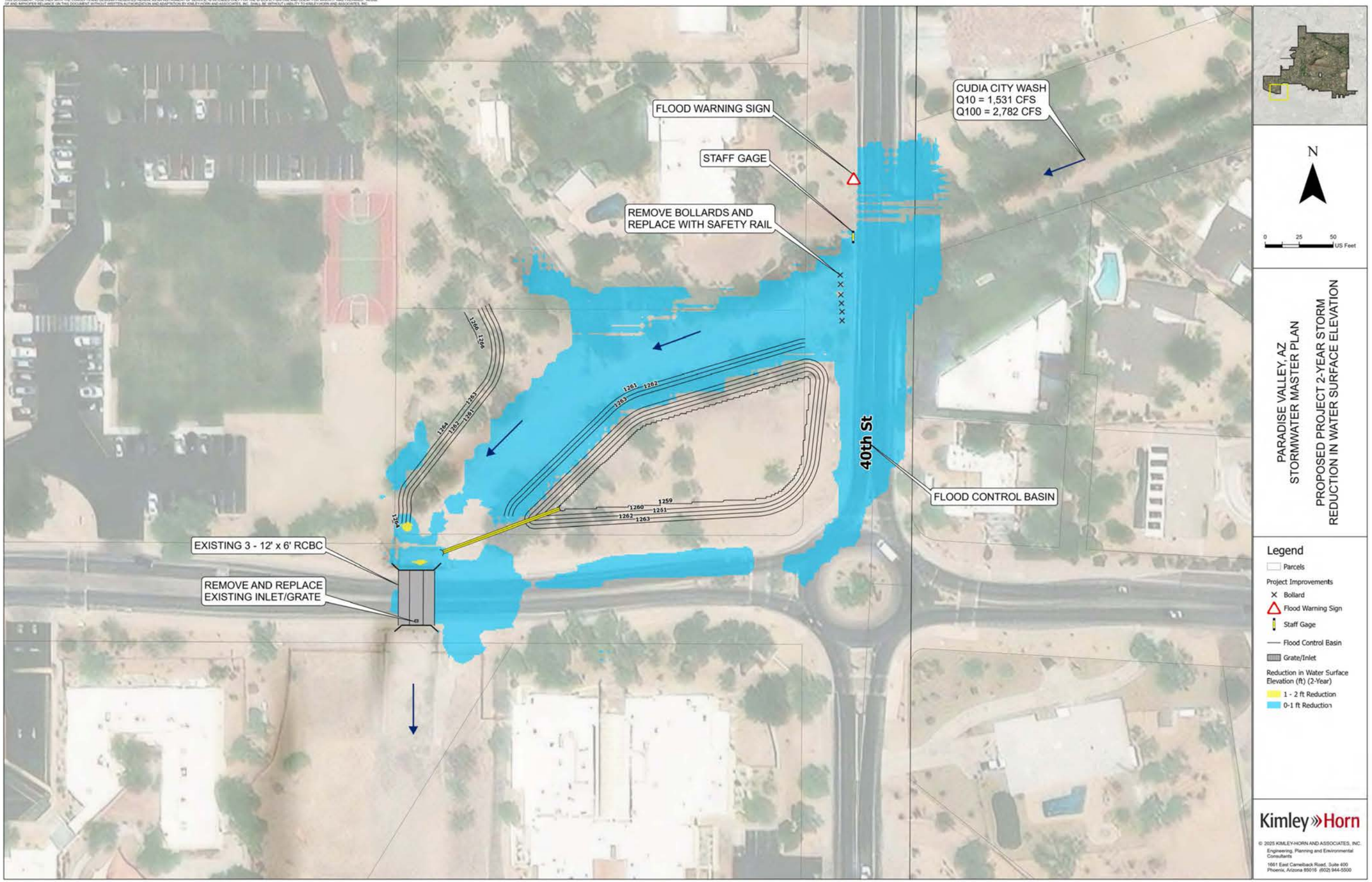
# XVIII. APPENDIX F – HIGHEST PRIORITY PROJECTS ANTICIPATED PERFORMANCE

## FLOOD HAZARD AREA H


CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
EXISTING 3 - 12' x 6' RCBC
40th St
Stanford Dr
N
0 20 40 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
EXISTING CONDITIONS
2-YEAR STORM MAXIMUM DEPTH
Legend
Parcels
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


FLOOD WARNING SIGN
CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
STAFF GAGE
REMOVE BOLLARDS AND
REPLACE WITH SAFETY RAIL
40th St
FLOOD CONTROL BASIN
Stanford
Dr
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE
EXISTING INLET/GRATE
N
0 20 40
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
2-YEAR STORM MAX DEPTH RESULTS
Legend
Parcels
Project Improvements
Bollard
Flood Warning Sign
Staff Gage
Flood Control Basin
Grate/Inlet
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


FLOOD WARNING SIGN
STAFF GAGE
REMOVE BOLLARDS AND REPLACE WITH SAFETY RAIL
CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
40th St
FLOOD CONTROL BASIN
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE EXISTING INLET/GRATE
1266
1264
1263
1262
1261
1260
1259
1251
N
0 25 50 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 2-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
Project Improvements
Bollard
Flood Warning Sign
Staff Gage
Flood Control Basin
Grate/Inlet
Reduction in Water Surface Elevation (ft) (2-Year)
1 - 2 ft Reduction
0-1 ft Reduction
Kimley»Horn
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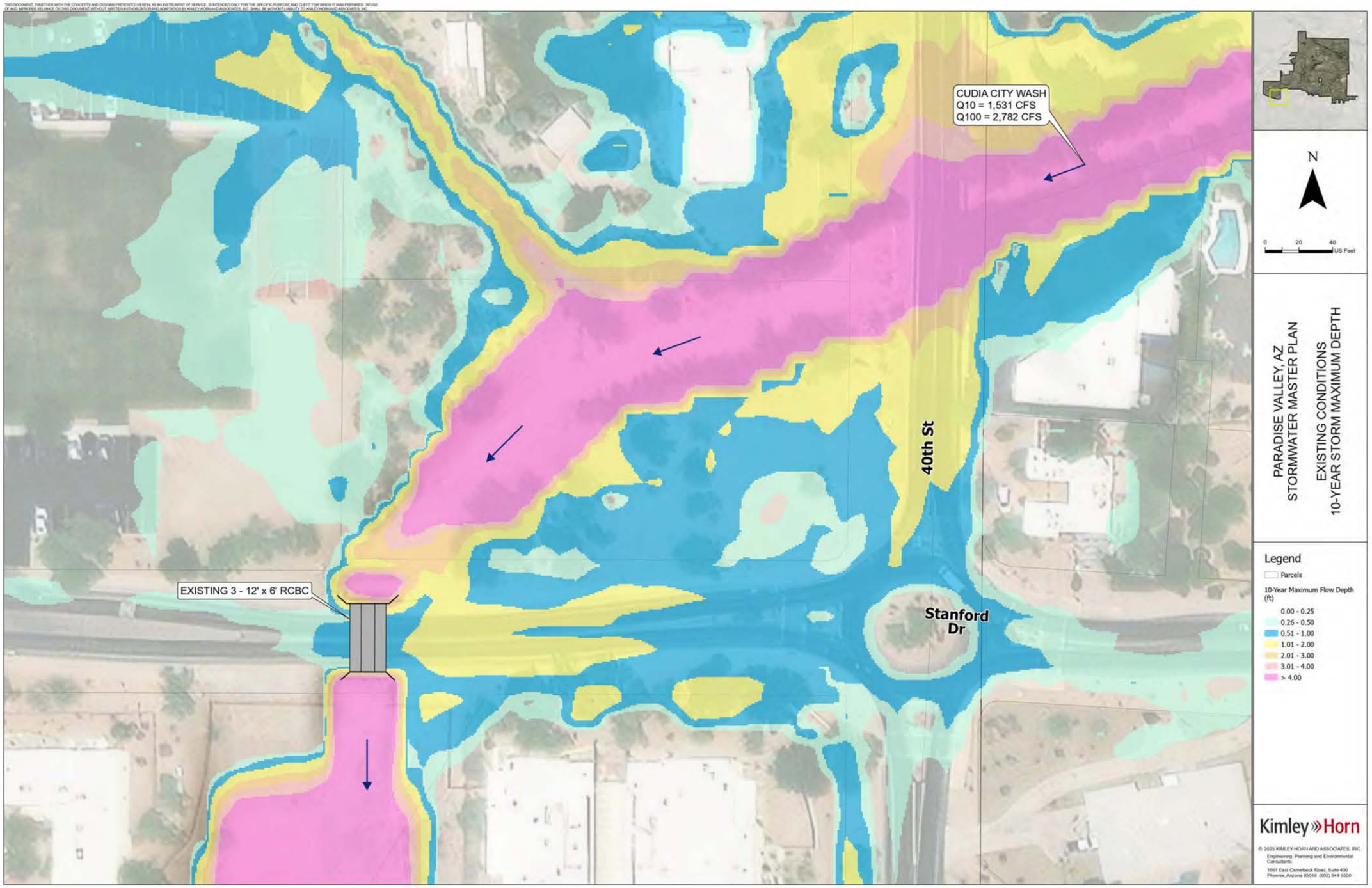
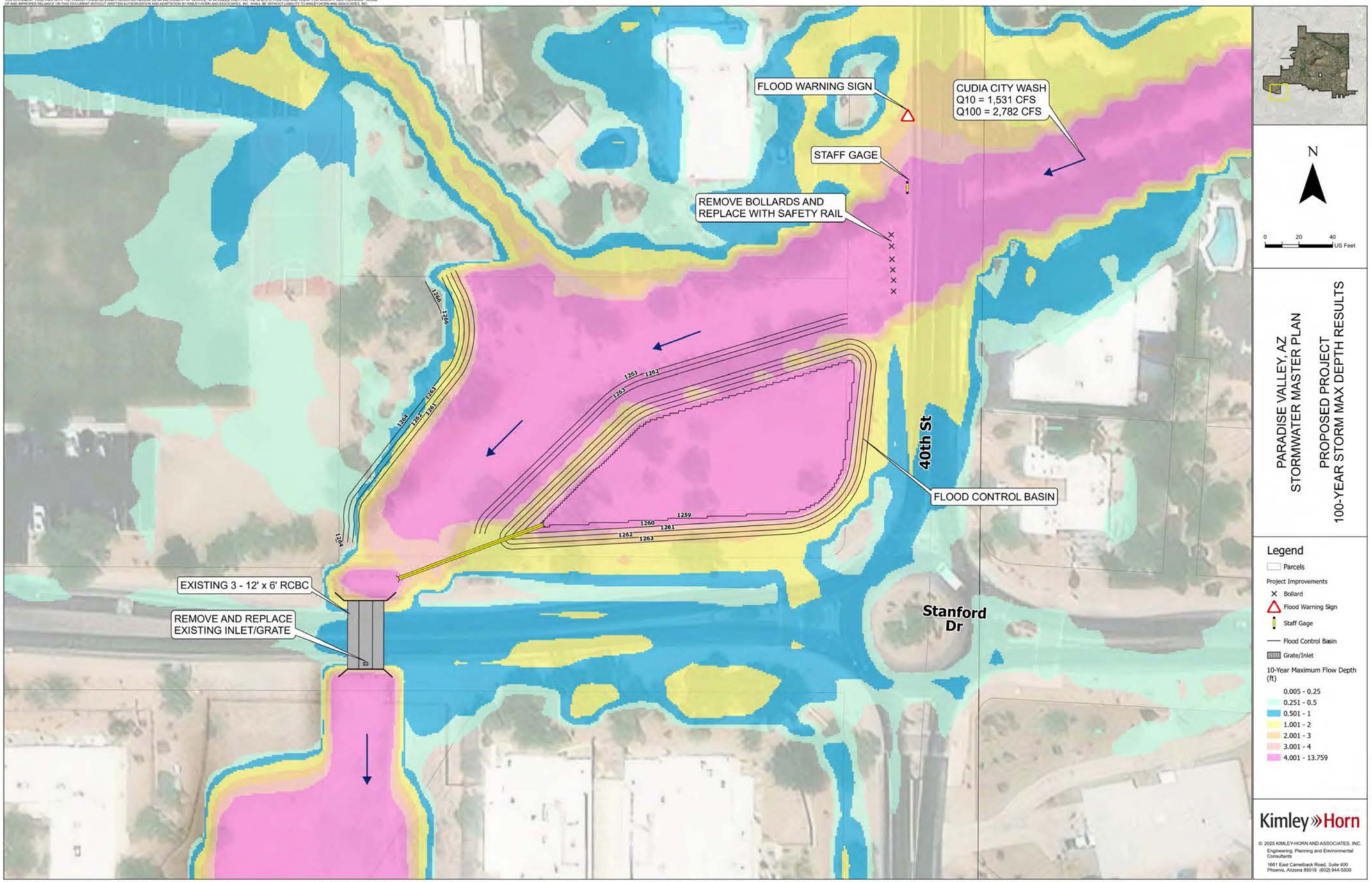

CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
EXISTING 3 - 12' x 6' RCBC
40th St
Stanford Dr
N
0 20 40 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
EXISTING CONDITIONS
10-YEAR STORM MAXIMUM DEPTH
Legend
Parcels
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


FLOOD WARNING SIGN
CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
STAFF GAGE
REMOVE BOLLARDS AND
REPLACE WITH SAFETY RAIL
40th St
FLOOD CONTROL BASIN
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE
EXISTING INLET/GRATE
Stanford
Dr
N
0 20 40
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
100-YEAR STORM MAX DEPTH RESULTS
Legend
Parcels
Project Improvements
Bollard
Flood Warning Sign
Staff Gage
Flood Control Basin
Grate/Inlet
10-Year Maximum Flow Depth (ft)
0.005 - 0.25
0.251 - 0.5
0.501 - 1
1.001 - 2
2.001 - 3
3.001 - 4
4.001 - 13.759
Kimley»Horn
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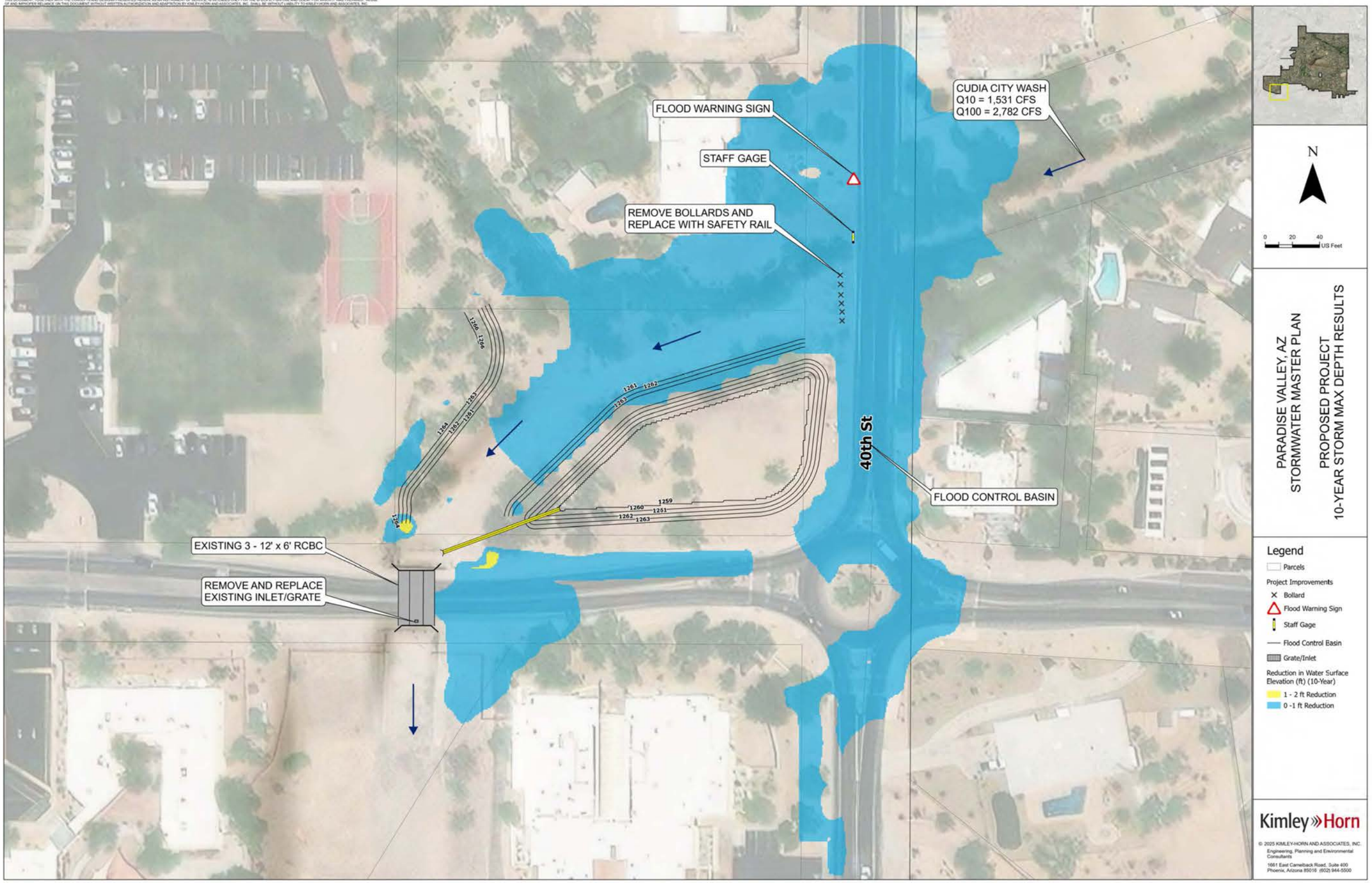
Phoenix, Arizona 85016 (602) 944-5500


FLOOD WARNING SIGN
STAFF GAGE
REMOVE BOLLARDS AND REPLACE WITH SAFETY RAIL
CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
40th St
FLOOD CONTROL BASIN
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE EXISTING INLET/GRATE
1266
1265
1264
1263
1262
1261
1260
1259
N
0 20 40 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
10-YEAR STORM MAX DEPTH RESULTS
Legend
Parcels
Project Improvements
Bollard
Flood Warning Sign
Staff Gage
Flood Control Basin
Grate/Inlet
Reduction in Water Surface Elevation (ft) (10-Year)
1 - 2 ft Reduction
0 -1 ft Reduction
Kimley»Horn
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Engineering, Planning and Environmental Consultants
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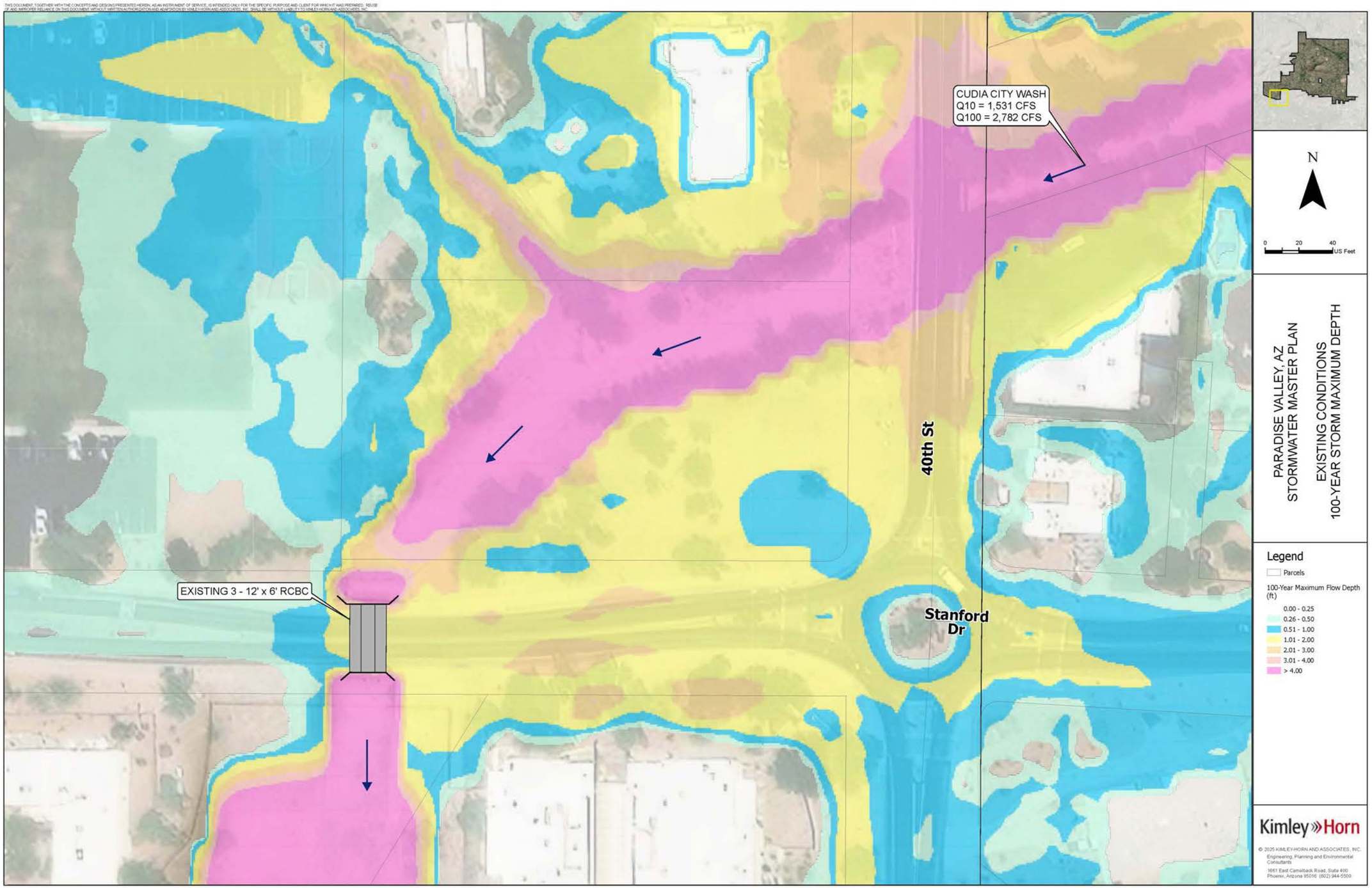
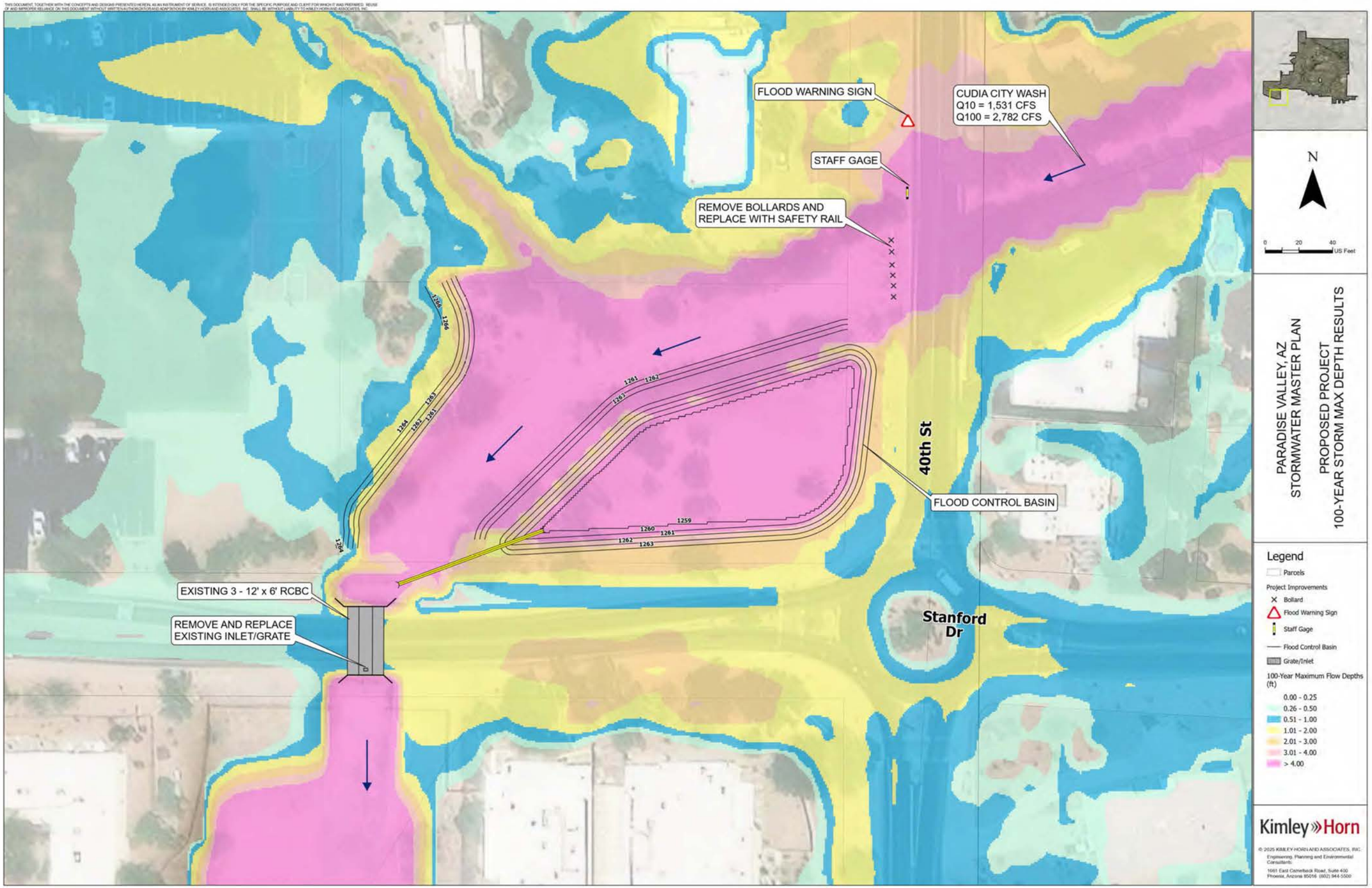
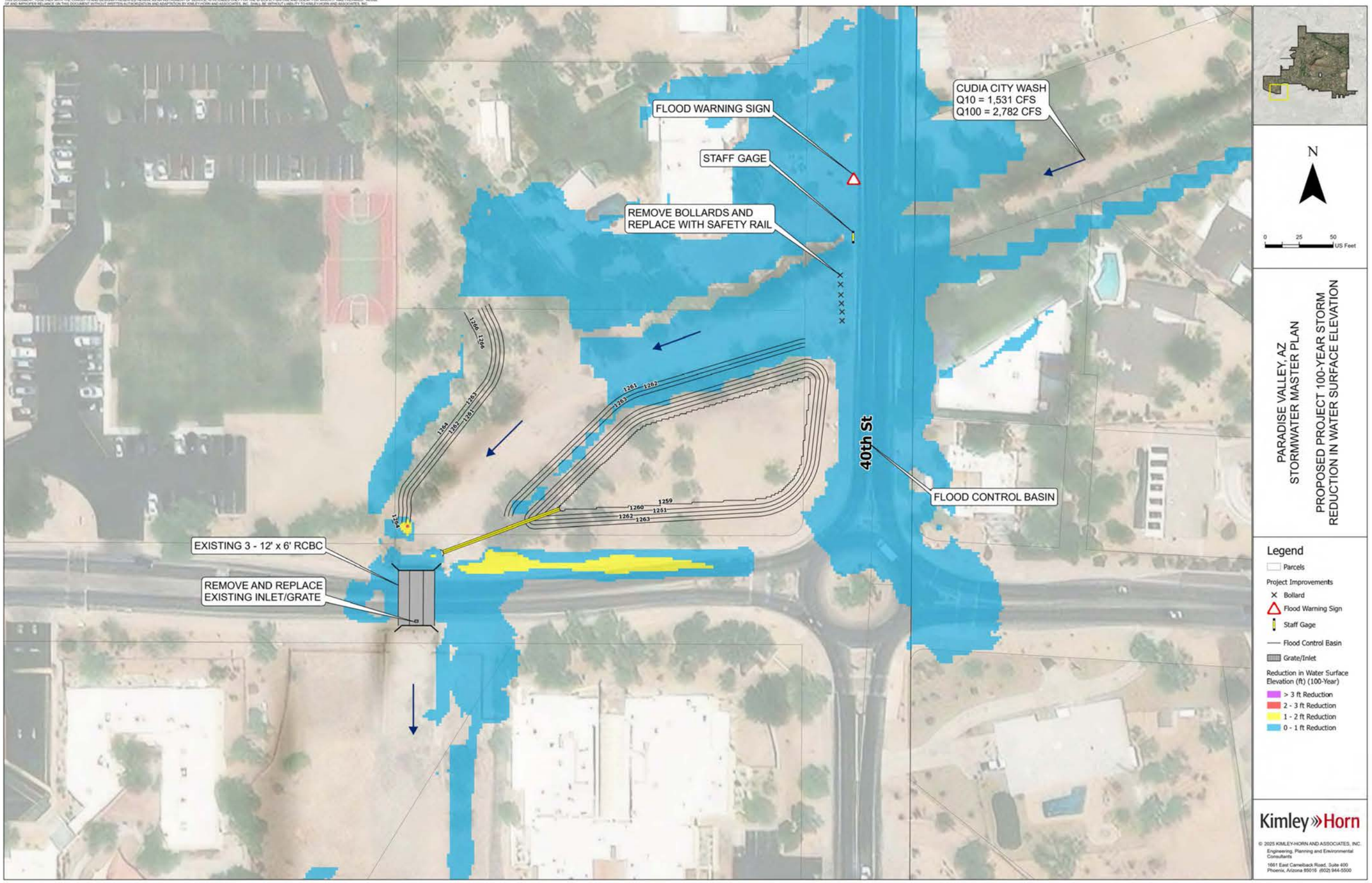
Phoenix, Arizona 85016 (602) 944-5500


CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
EXISTING 3 - 12' x 6' RCBC
40th St
Stanford Dr
N
0 20 40 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
EXISTING CONDITIONS
100-YEAR STORM MAXIMUM DEPTH
Legend
Parcels
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


FLOOD WARNING SIGN
CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
STAFF GAGE
REMOVE BOLLARDS AND
REPLACE WITH SAFETY RAIL
40th St
FLOOD CONTROL BASIN
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE
EXISTING INLET/GRATE
Stanford
Dr
N
0 20 40
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
100-YEAR STORM MAX DEPTH RESULTS
Legend
Parcels
Project Improvements
Bollard
Flood Warning Sign
Staff Gage
Flood Control Basin
Grate/Inlet
100-Year Maximum Flow Depths (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


FLOOD WARNING SIGN
STAFF GAGE
REMOVE BOLLARDS AND REPLACE WITH SAFETY RAIL
CUDIA CITY WASH
Q10 = 1,531 CFS
Q100 = 2,782 CFS
40th St
FLOOD CONTROL BASIN
EXISTING 3 - 12' x 6' RCBC
REMOVE AND REPLACE EXISTING INLET/GRATE
N
0 25 50 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 100-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
Project Improvements
Bollard
Flood Warning Sign
Staff Gage
Flood Control Basin
Grate/Inlet
Reduction in Water Surface Elevation (ft) (100-Year)
> 3 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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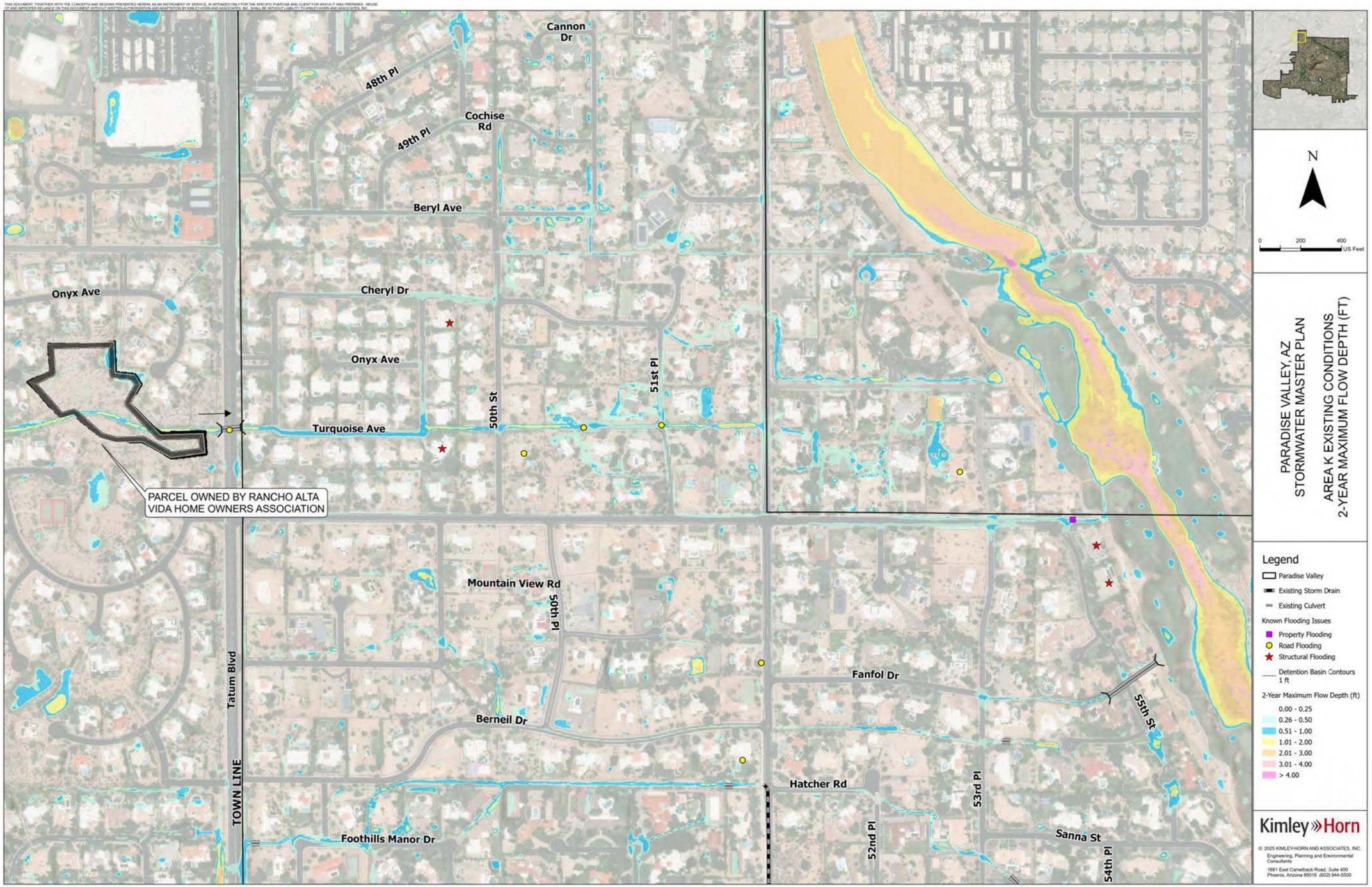
# XVIII. APPENDIX F – HIGHEST PRIORITY PROJECTS ANTICIPATED PERFORMANCE

## FLOOD HAZARD AREA K


Cannon Dr
48th Pl
Cochise Rd
49th Pl
Beryl Ave
Onyx Ave
Cheryl Dr
Onyx Ave
51st Pl
50th St
Turquoise Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
Berneil Dr
55th St
Hatcher Rd
53rd Pl
52nd Pl
Sanna St
54th Pl
Foothills Manor Dr
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K EXISTING CONDITIONS
2-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
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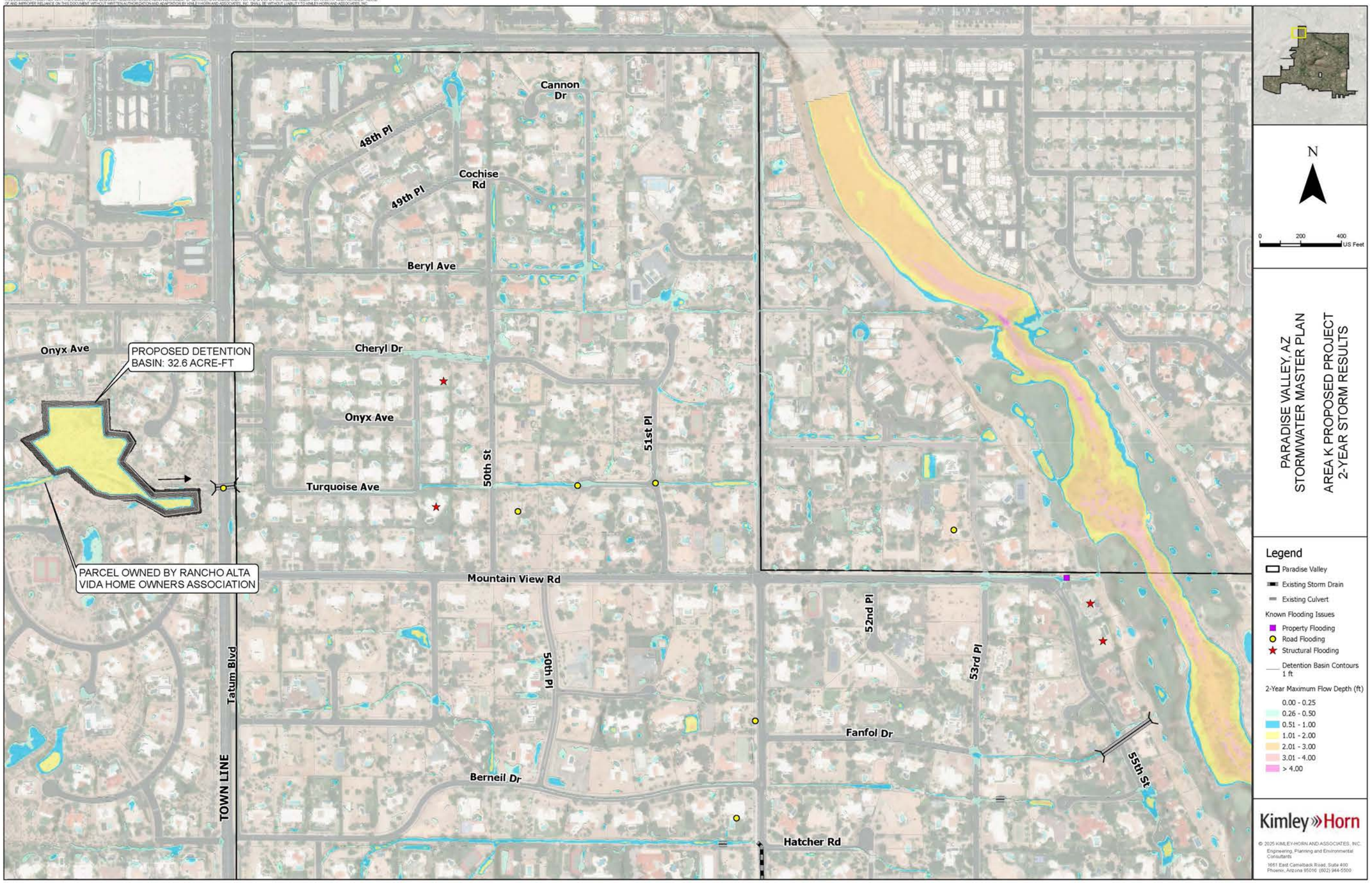
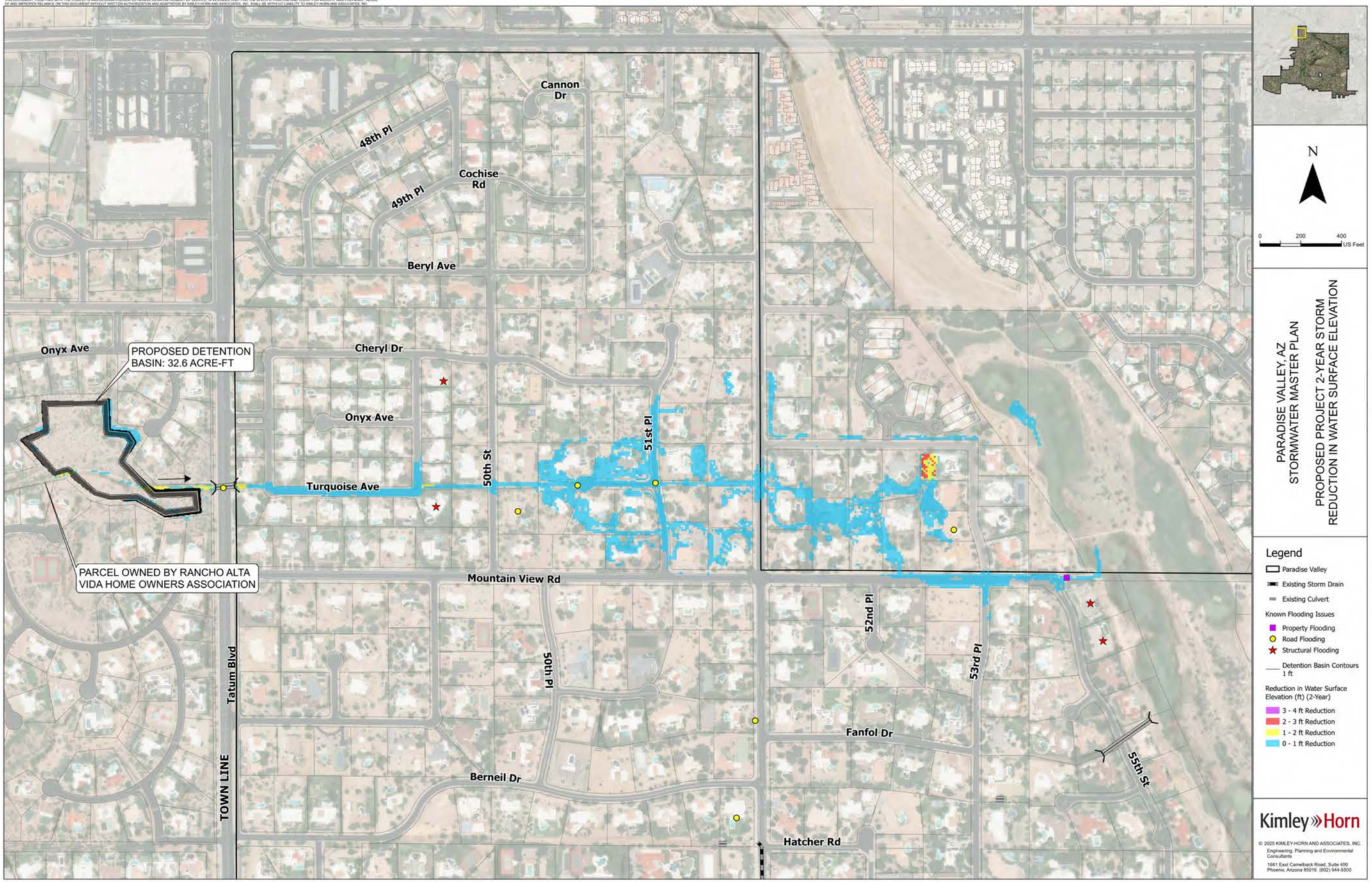

Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
PROPOSED DETENTION BASIN: 32.6 ACRE-FT
Cheryl Dr
Onyx Ave
50th St
51st Pl
Turquoise Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
Tatum Blvd
50th Pl
Fanfol Dr
55th St
Berneil Dr
TOWN LINE
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K PROPOSED PROJECT
2-YEAR STORM RESULTS
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
PROPOSED DETENTION BASIN: 32.6 ACRE-FT
Cheryl Dr
Onyx Ave
50th St
51st Pl
Turquoise Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
Berneil Dr
55th St
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 2-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
Reduction in Water Surface Elevation (ft) (2-Year)
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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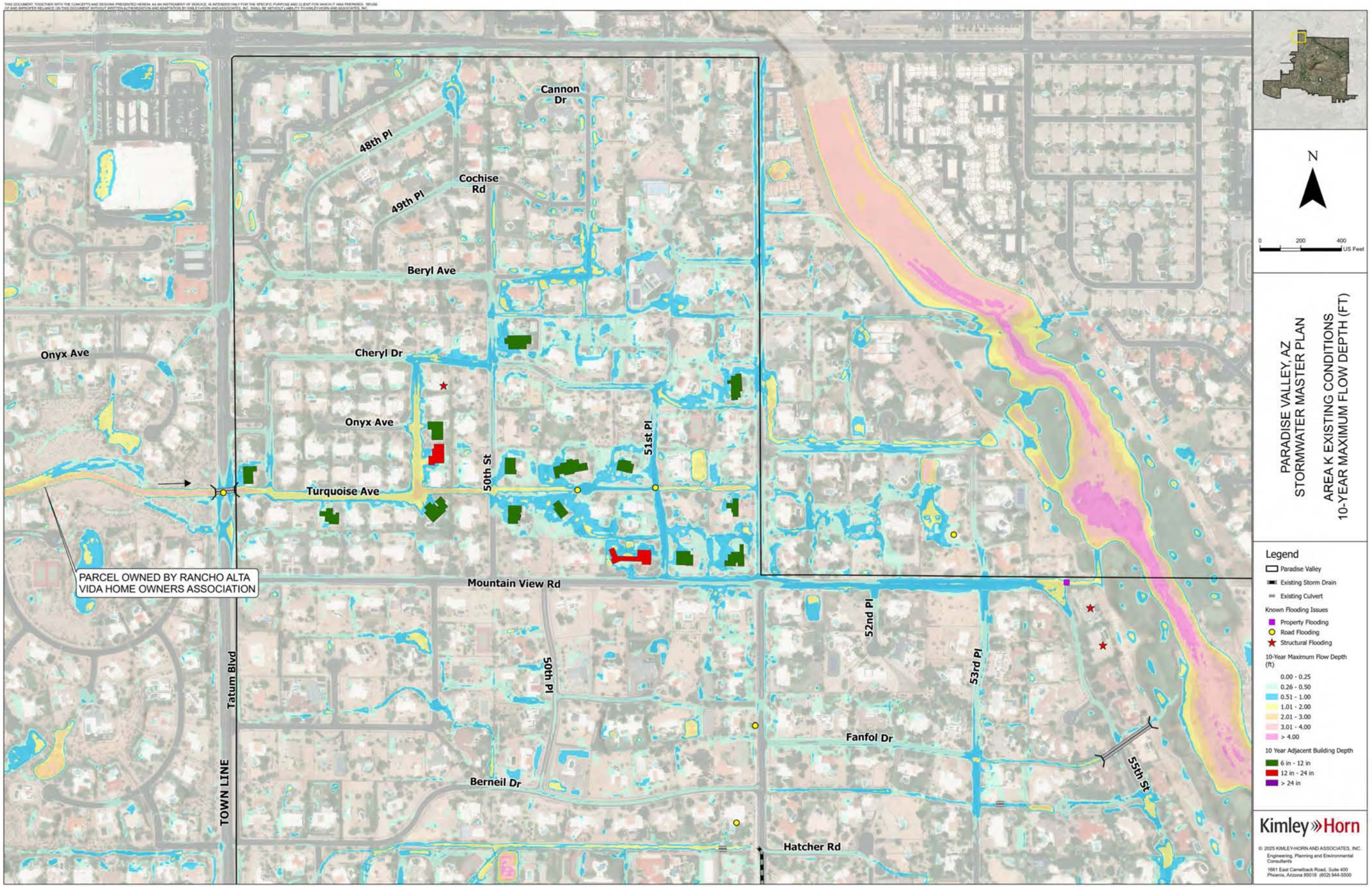
Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
55th St
Berneil Dr
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K EXISTING CONDITIONS
10-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
10 Year Adjacent Building Depth
6 in - 12 in
12 in - 24 in
> 24 in
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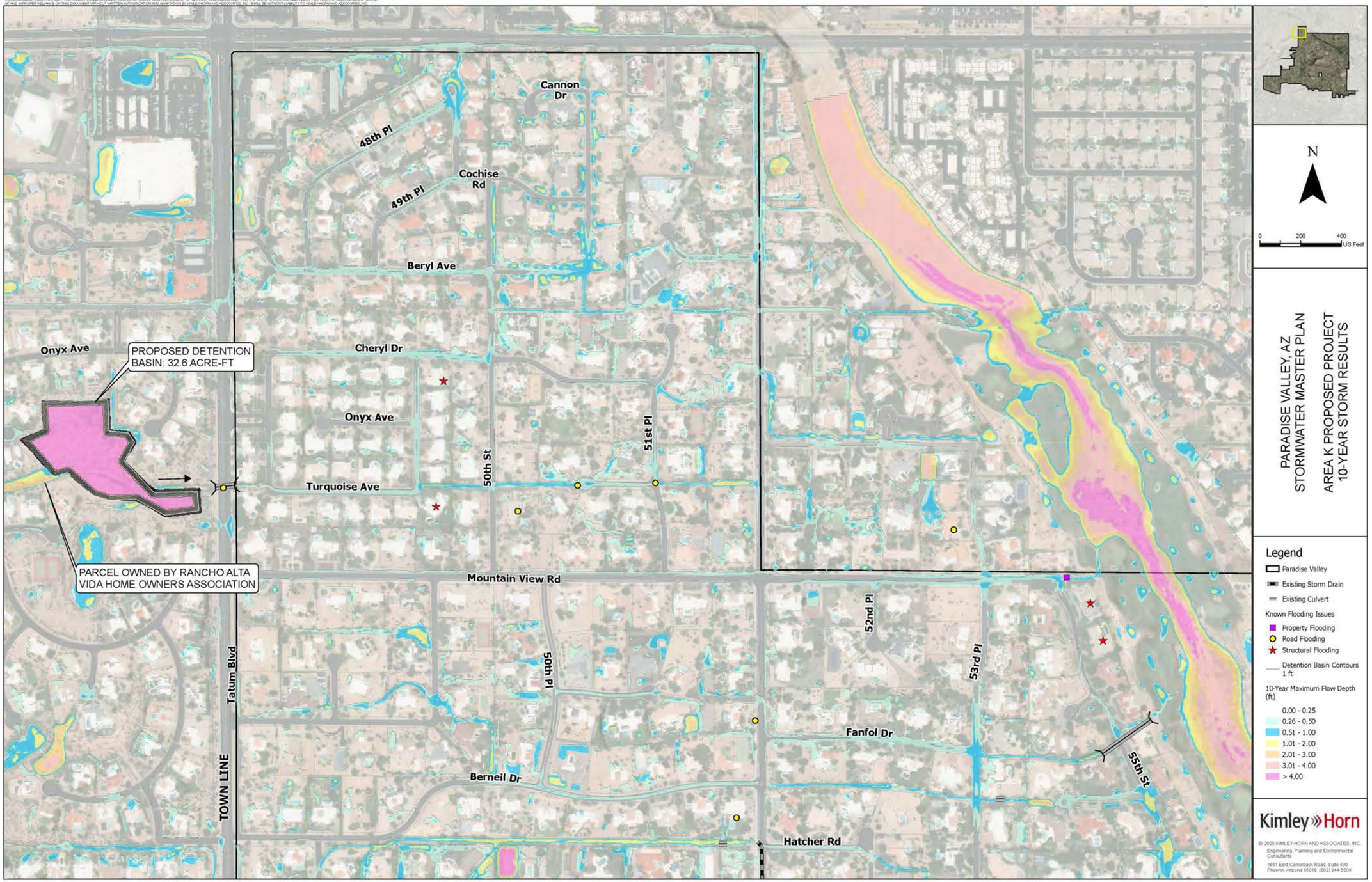
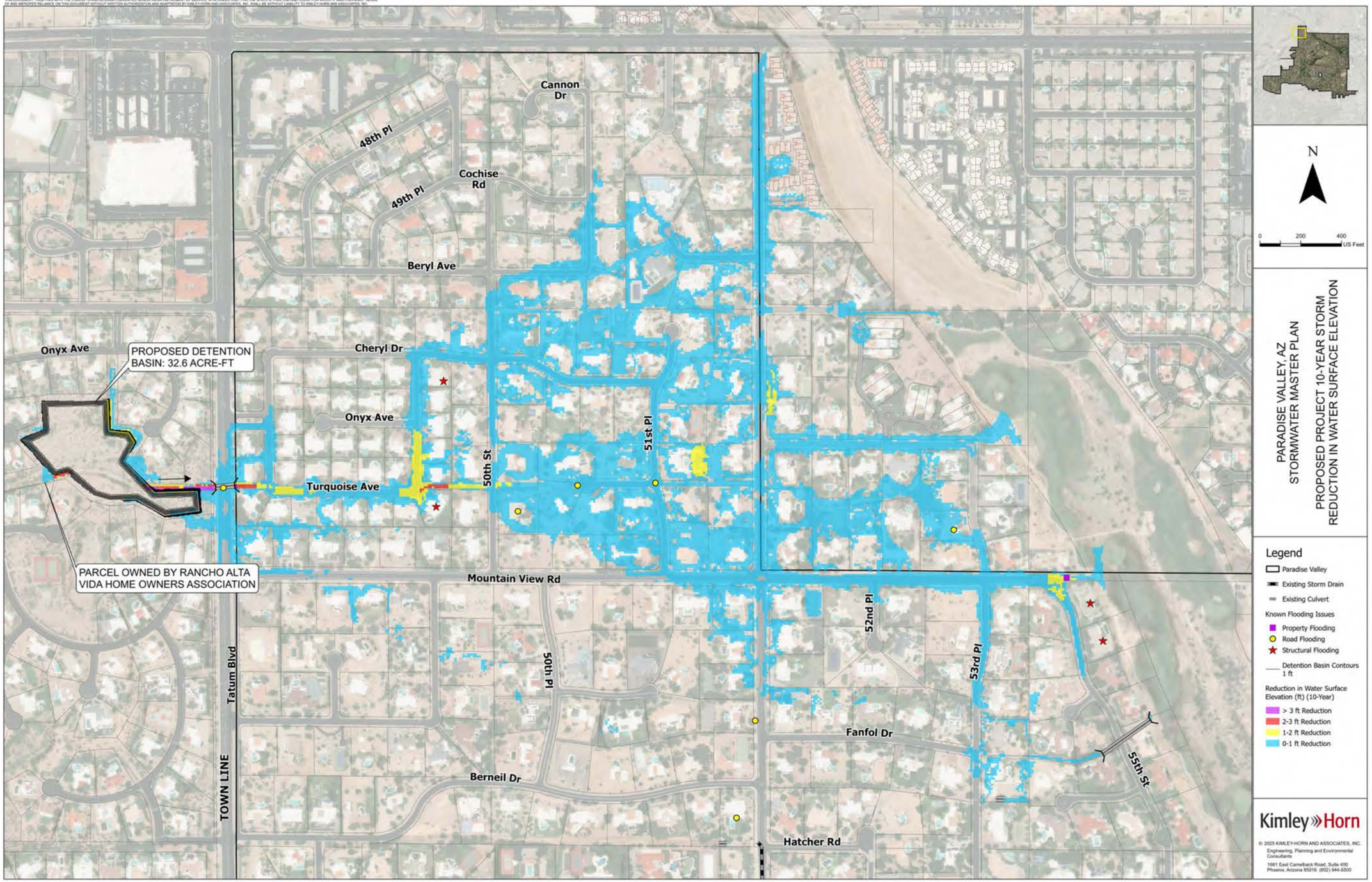

Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
PROPOSED DETENTION BASIN: 32.6 ACRE-FT
Cheryl Dr
Onyx Ave
50th St
51st Pl
Turquoise Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
Berneil Dr
55th St
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K PROPOSED PROJECT
10-YEAR STORM RESULTS
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
PROPOSED DETENTION BASIN: 32.6 ACRE-FT
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
Berneil Dr
55th St
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 10-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
Reduction in Water Surface Elevation (ft) (10-Year)
> 3 ft Reduction
2-3 ft Reduction
1-2 ft Reduction
0-1 ft Reduction
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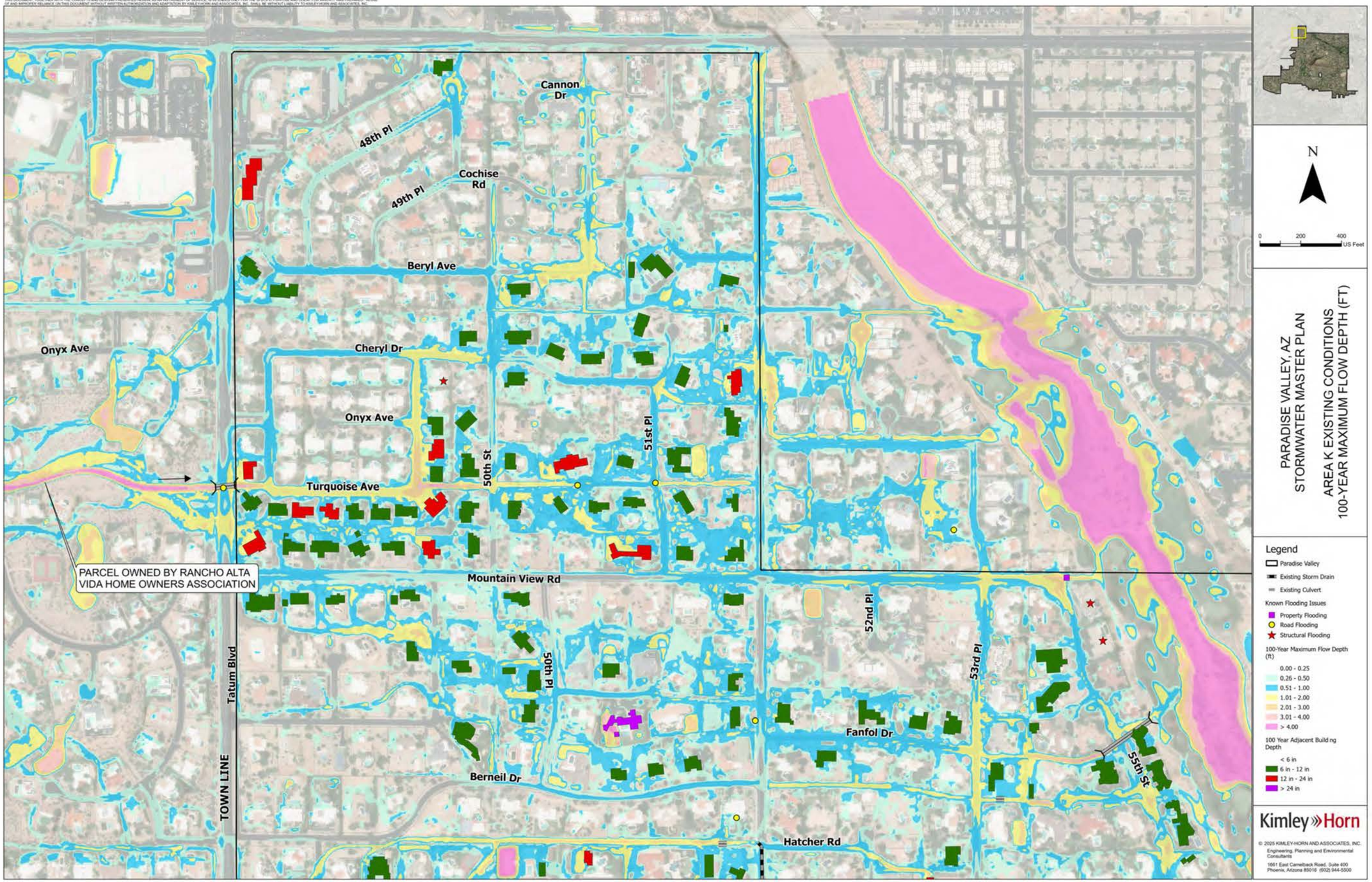
Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
Cheryl Dr
Onyx Ave
50th St
51st Pl
Turquoise Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
Berneil Dr
55th St
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K EXISTING CONDITIONS
100-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
100 Year Adjacent Build ng Depth
< 6 in
6 in - 12 in
12 in - 24 in
> 24 in
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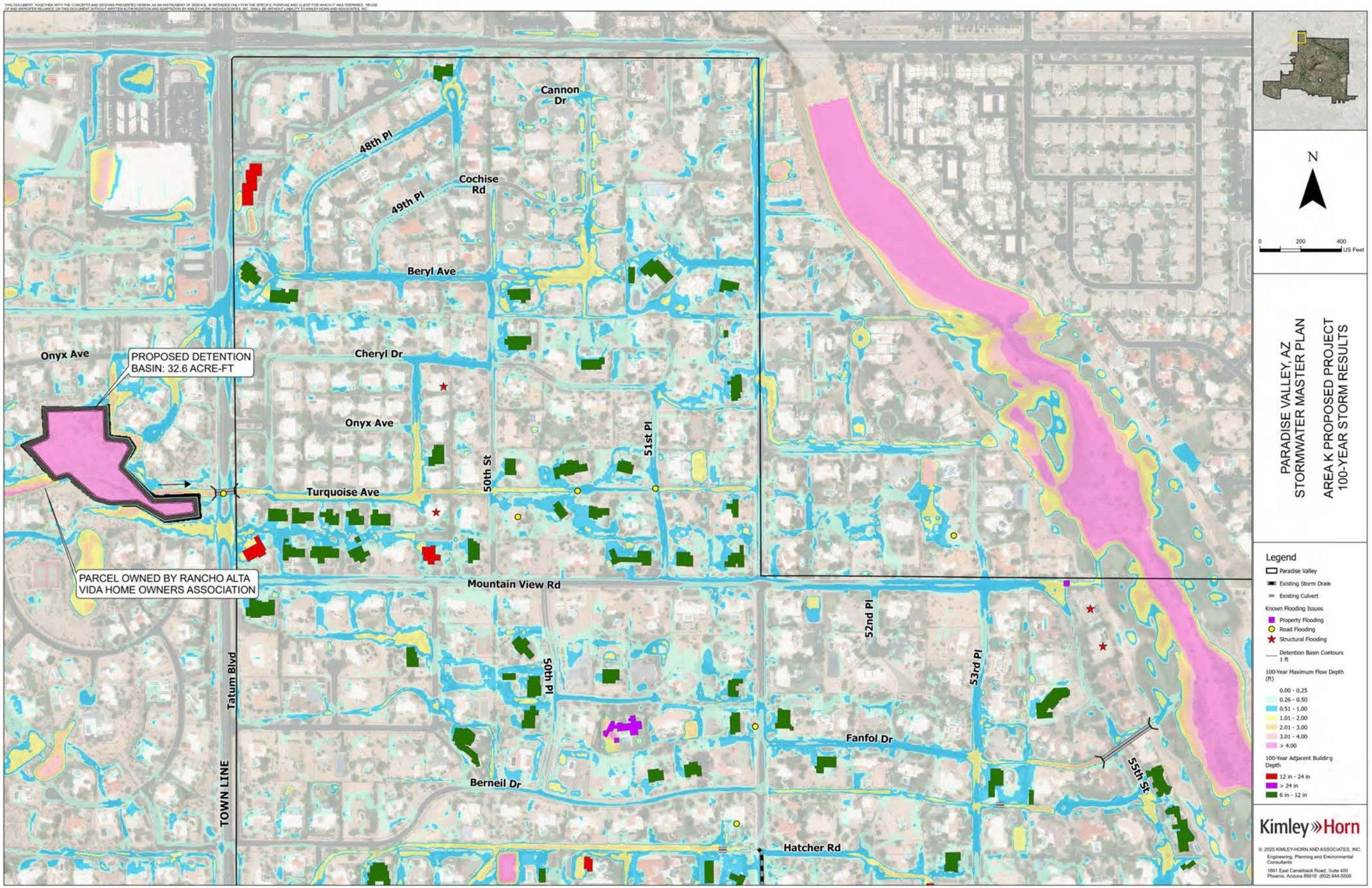
Phoenix, Arizona 85016 (602) 944-5500


Cannon Dr
48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
PROPOSED DETENTION BASIN: 32.6 ACRE-FT
Cheryl Dr
Onyx Ave
50th St
51st Pl
Turquoise Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Mountain View Rd
52nd Pl
53rd Pl
50th Pl
Tatum Blvd
TOWN LINE
Fanfol Dr
55th St
Berneil Dr
Hatcher Rd
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K PROPOSED PROJECT
100-YEAR STORM RESULTS
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
100-Year Adjacent Building Depth
12 in - 24 in
> 24 in
6 in - 12 in
Kimley»Horn
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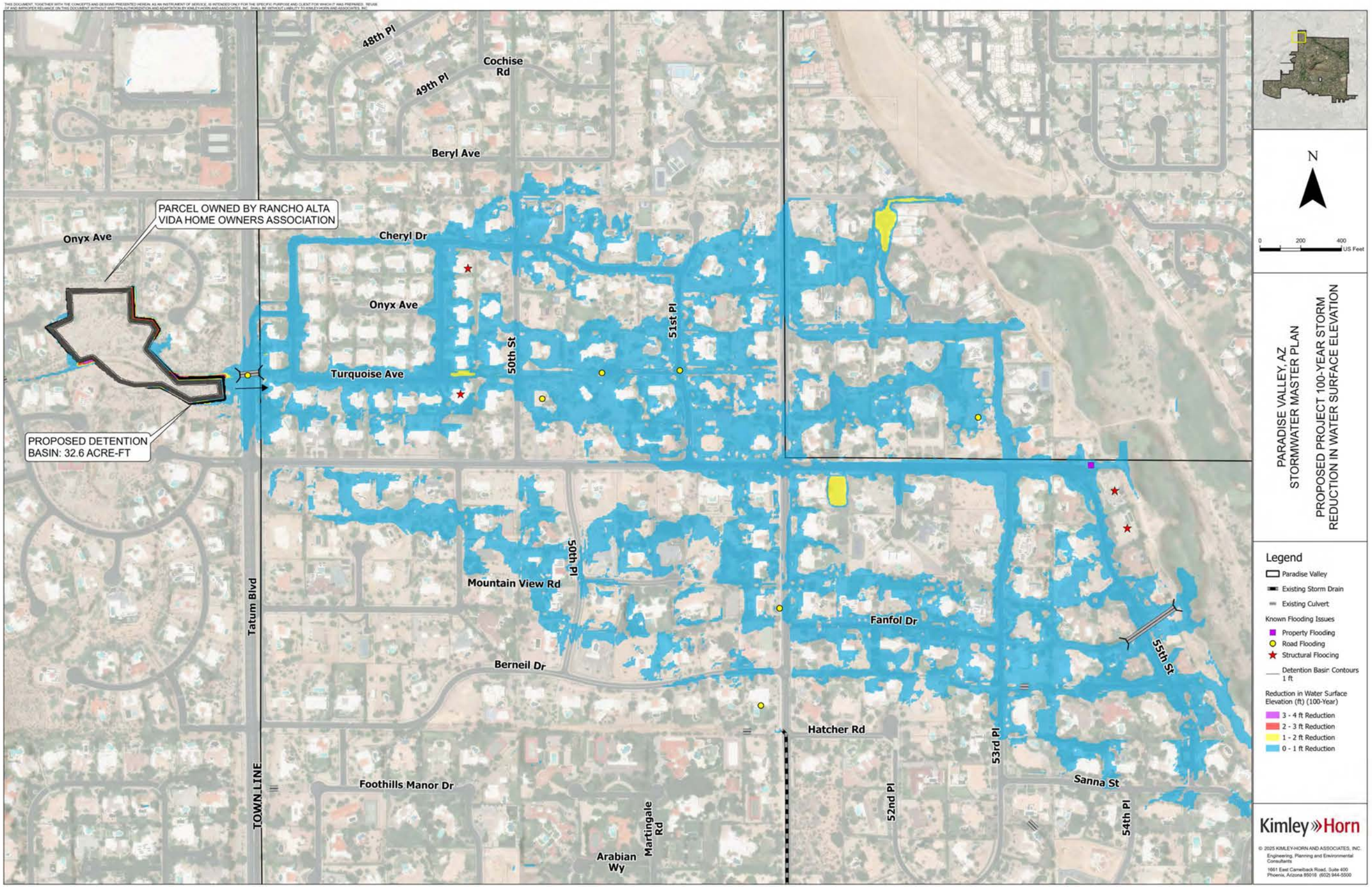
Phoenix, Arizona 85016 (602) 944-5500


48th Pl
49th Pl
Cochise Rd
Beryl Ave
PARCEL OWNED BY RANCHO ALTA VIDA HOME OWNERS ASSOCIATION
Onyx Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
PROPOSED DETENTION BASIN: 32.6 ACRE-FT
Tatum Blvd
TOWN LINE
Mountain View Rd
50th Pl
Fanfol Dr
Berneil Dr
Hatcher Rd
53rd Pl
55th St
Sanna St
Foothills Manor Dr
52nd Pl
54th Pl
Martingale Rd
Arabian Wy
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 100-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Detention Basin Contours 1 ft
Reduction in Water Surface Elevation (ft) (100-Year)
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
Kimley»Horn
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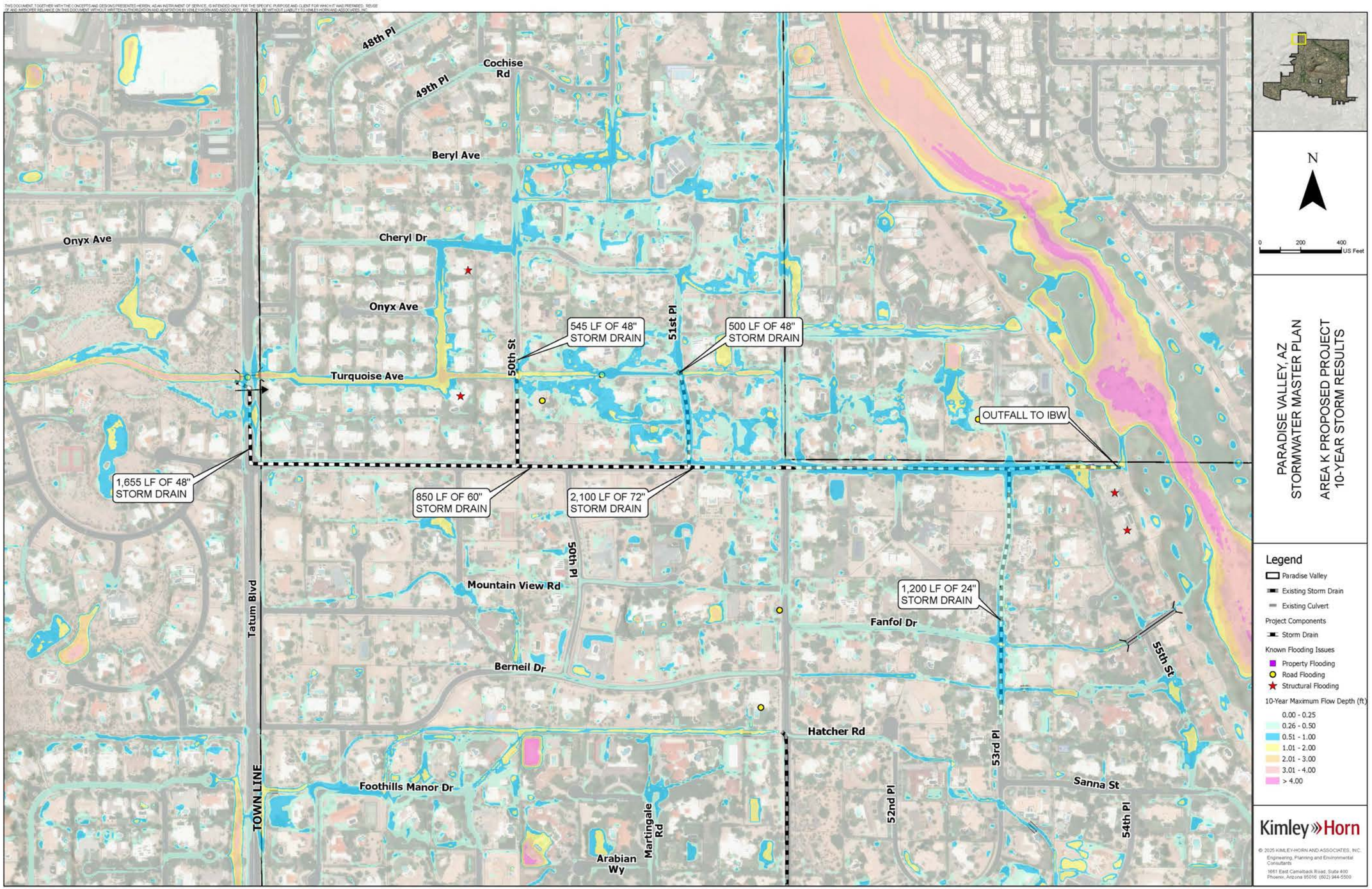
Phoenix, Arizona 85016 (602) 944-5500


48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
545 LF OF 48" STORM DRAIN
500 LF OF 48" STORM DRAIN
OUTFALL TO IBW
1,655 LF OF 48" STORM DRAIN
850 LF OF 60" STORM DRAIN
2,100 LF OF 72" STORM DRAIN
50th Pl
Mountain View Rd
1,200 LF OF 24" STORM DRAIN
Fanfol Dr
Tatum Blvd
Berneil Dr
55th St
Hatcher Rd
53rd Pl
Sanna St
TOWN LINE
Foothills Manor Dr
52nd Pl
54th Pl
Martingale Rd
Arabian Wy
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA K PROPOSED PROJECT
10-YEAR STORM RESULTS
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Engineering, Planning and Environmental Consultants
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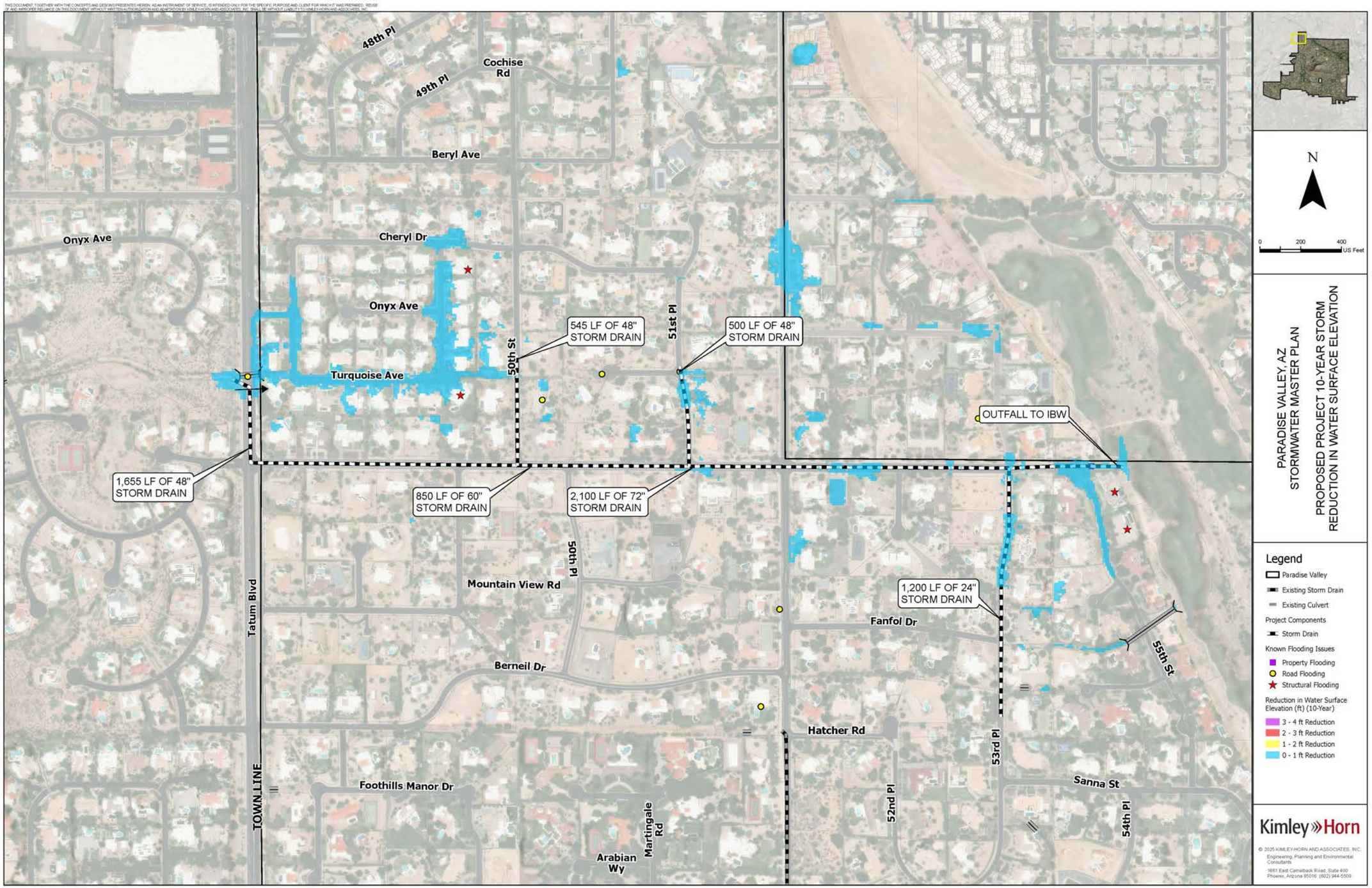
Phoenix, Arizona 85016 (602) 944-5500


48th Pl
49th Pl
Cochise Rd
Beryl Ave
Onyx Ave
Cheryl Dr
Onyx Ave
Turquoise Ave
50th St
51st Pl
545 LF OF 48" STORM DRAIN
500 LF OF 48" STORM DRAIN
OUTFALL TO IBW
1,655 LF OF 48" STORM DRAIN
850 LF OF 60" STORM DRAIN
2,100 LF OF 72" STORM DRAIN
50th Pl
Mountain View Rd
1,200 LF OF 24" STORM DRAIN
Fanfol Dr
55th St
Tatum Blvd
Berneil Dr
Hatcher Rd
53rd Pl
Sanna St
TOWN LINE
Foothills Manor Dr
52nd Pl
54th Pl
Martingale Rd
Arabian Wy
N
0 200 400 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 10-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley
Existing Storm Drain
Existing Culvert
Project Components
Storm Drain
Known Flooding Issues
Property Flooding
Road Flooding
Structural Flooding
Reduction in Water Surface Elevation (ft) (10-Year)
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
Kimley»Horn
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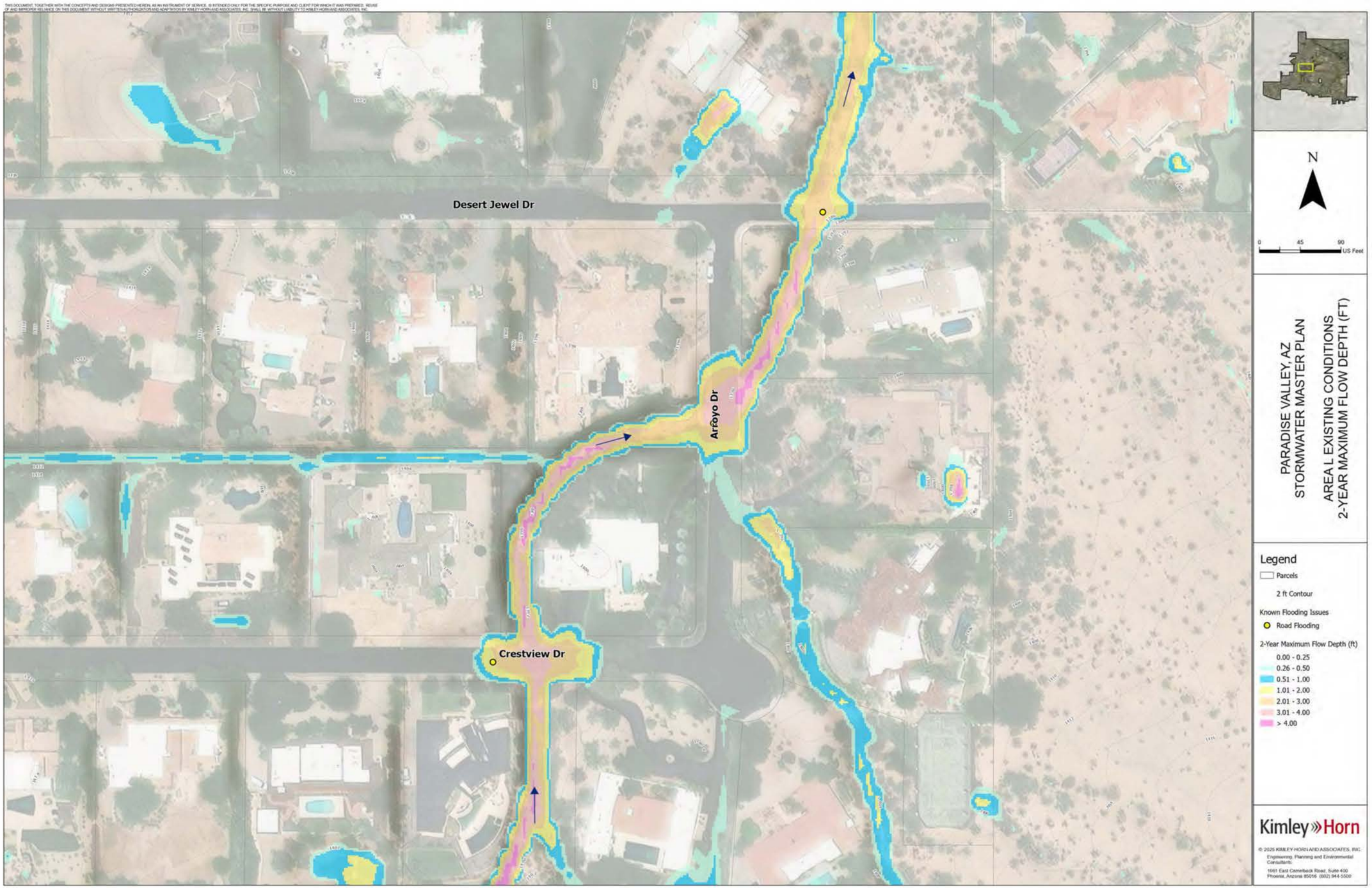
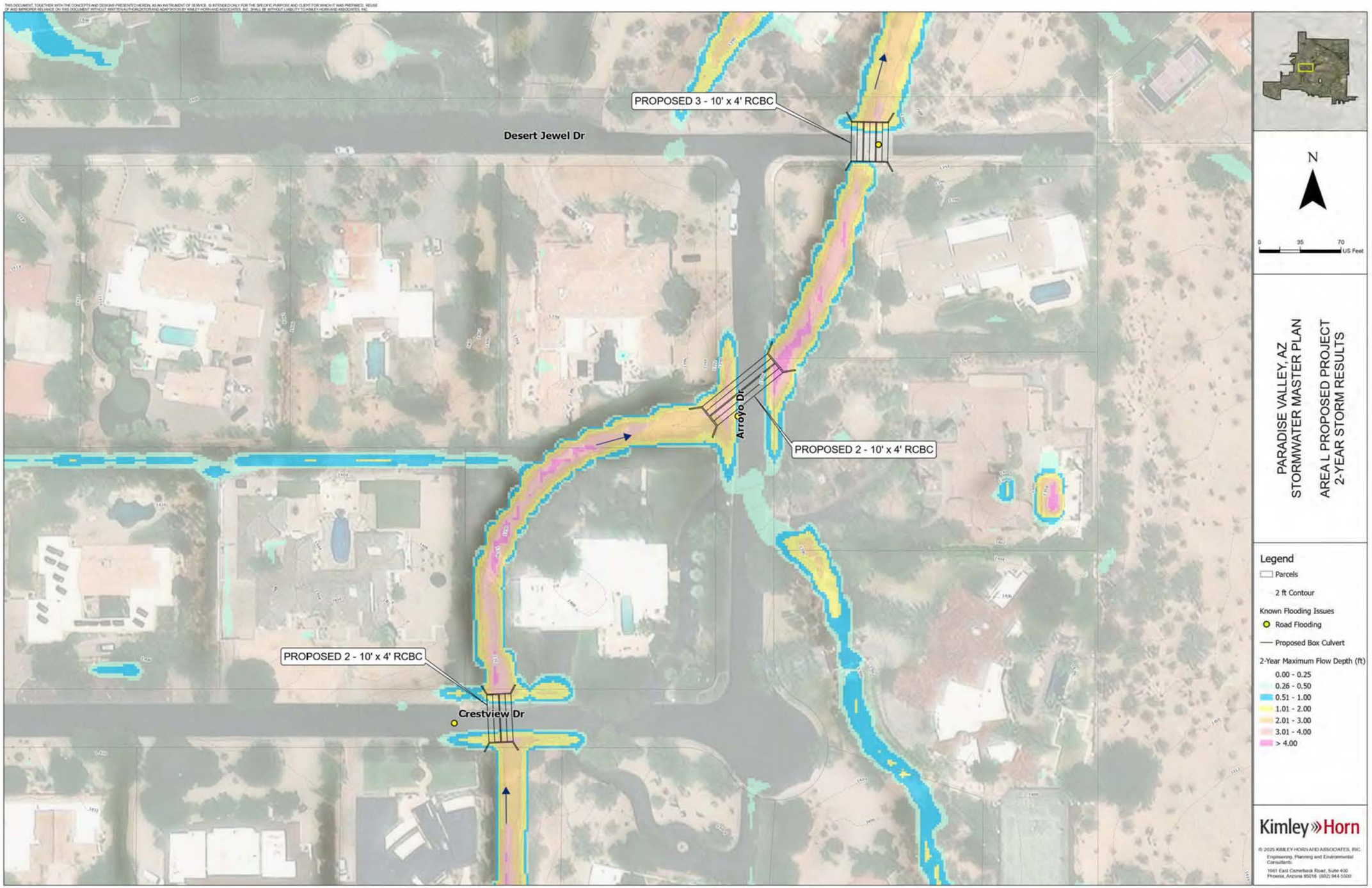
# XVIII. APPENDIX F – HIGHEST PRIORITY PROJECTS ANTICIPATED PERFORMANCE

## FLOOD HAZARD AREA L


Desert Jewel Dr
Arroyo Dr
Crestview Dr
N
0
45
90
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA L EXISTING CONDITIONS
2-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 3 - 10' x 4' RCBC
Desert Jewel Dr
Arroyo Dr
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Crestview Dr
N
0
35
70
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA L PROPOSED PROJECT
2-YEAR STORM RESULTS
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Proposed Box Culvert
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn

PROPOSED 3 - 10' x 4' RCBC
Desert Jewel Dr
Arroyo Dr
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Crestview Dr
N
0
35
70
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 2-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Proposed Box Culvert
Reduction in Water Surface Elevation (ft) (2-Year)
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
Kimley»Horn
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Engineering, Planning and Environmental Consultants
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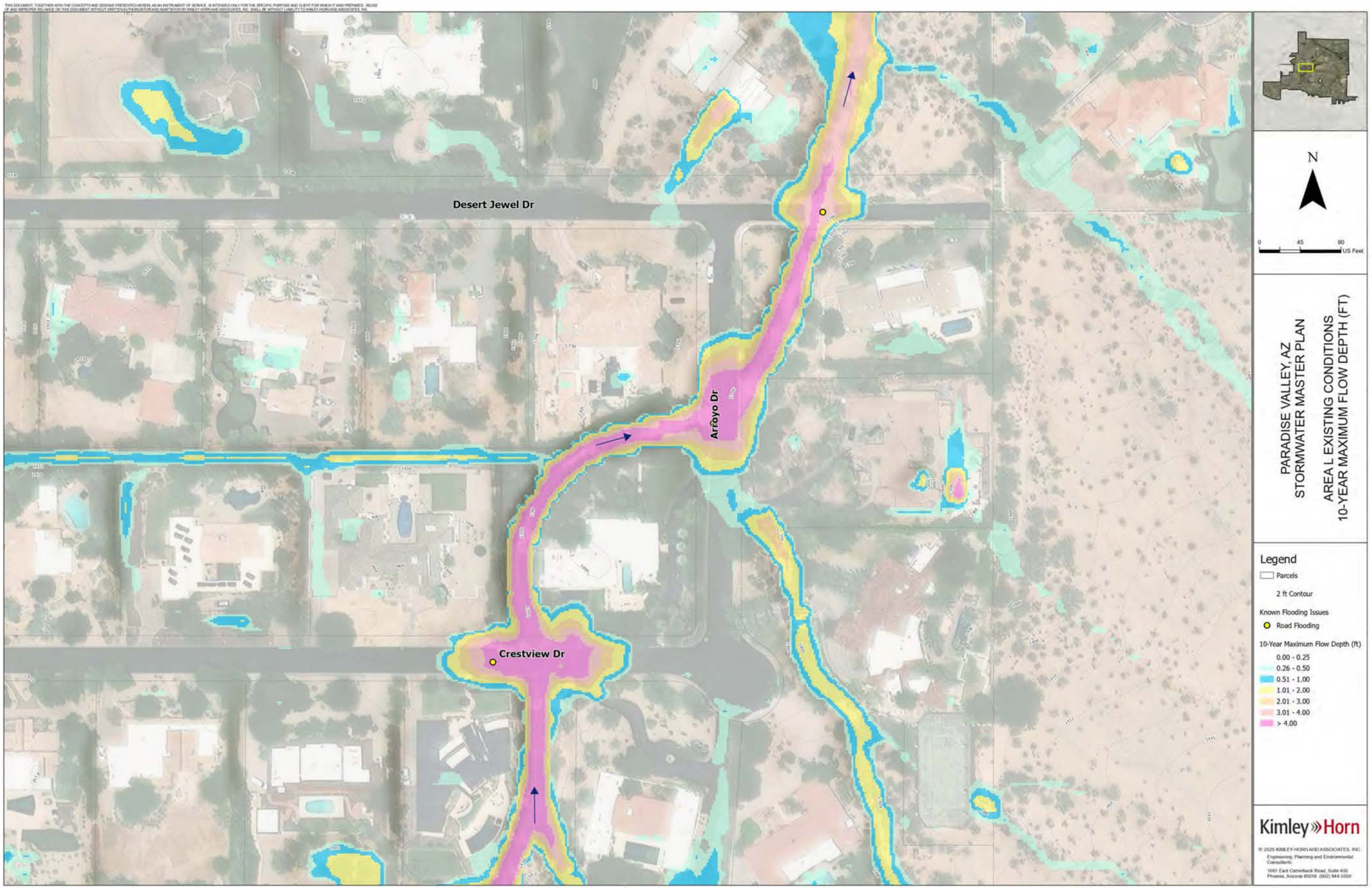
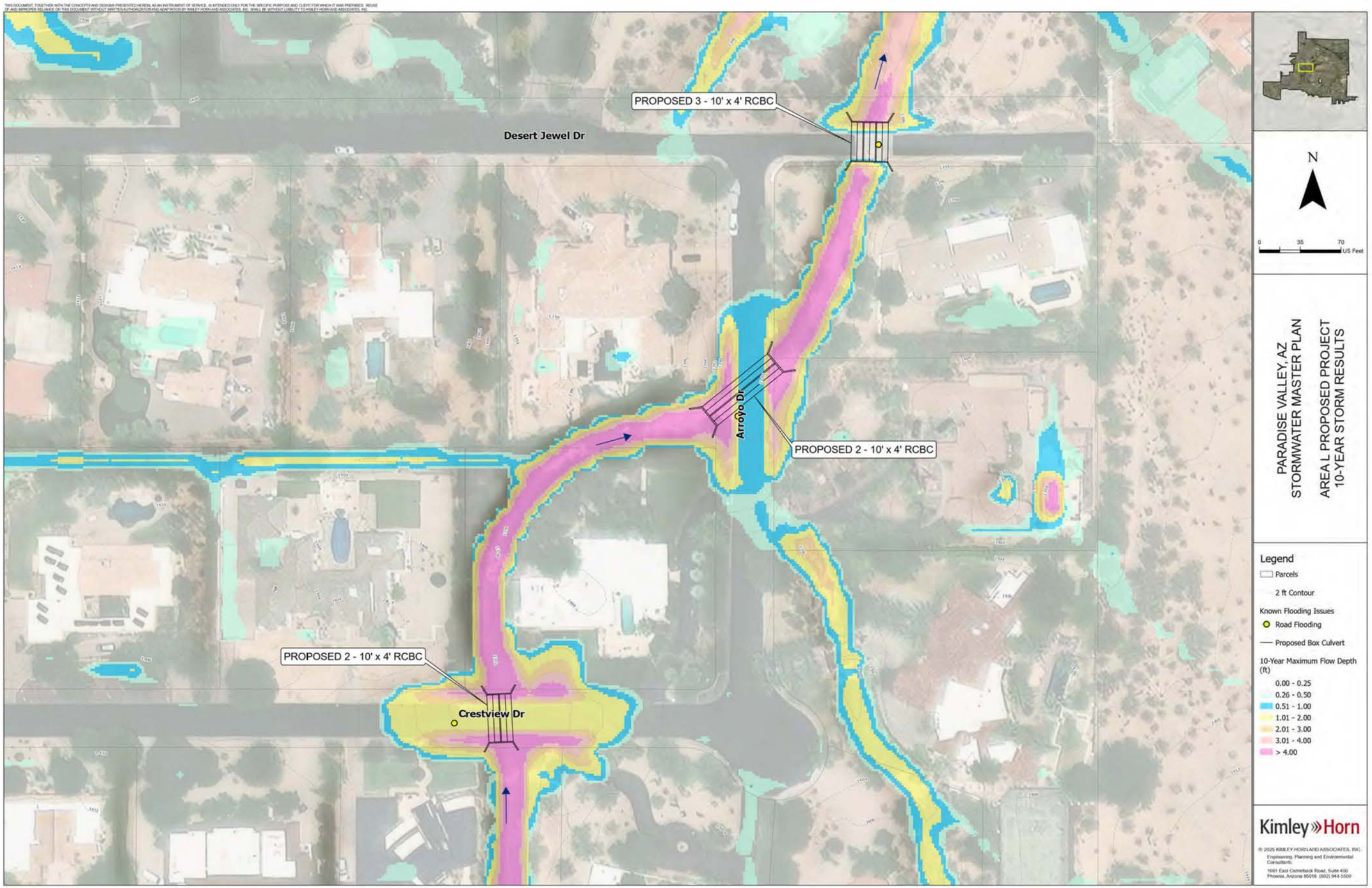
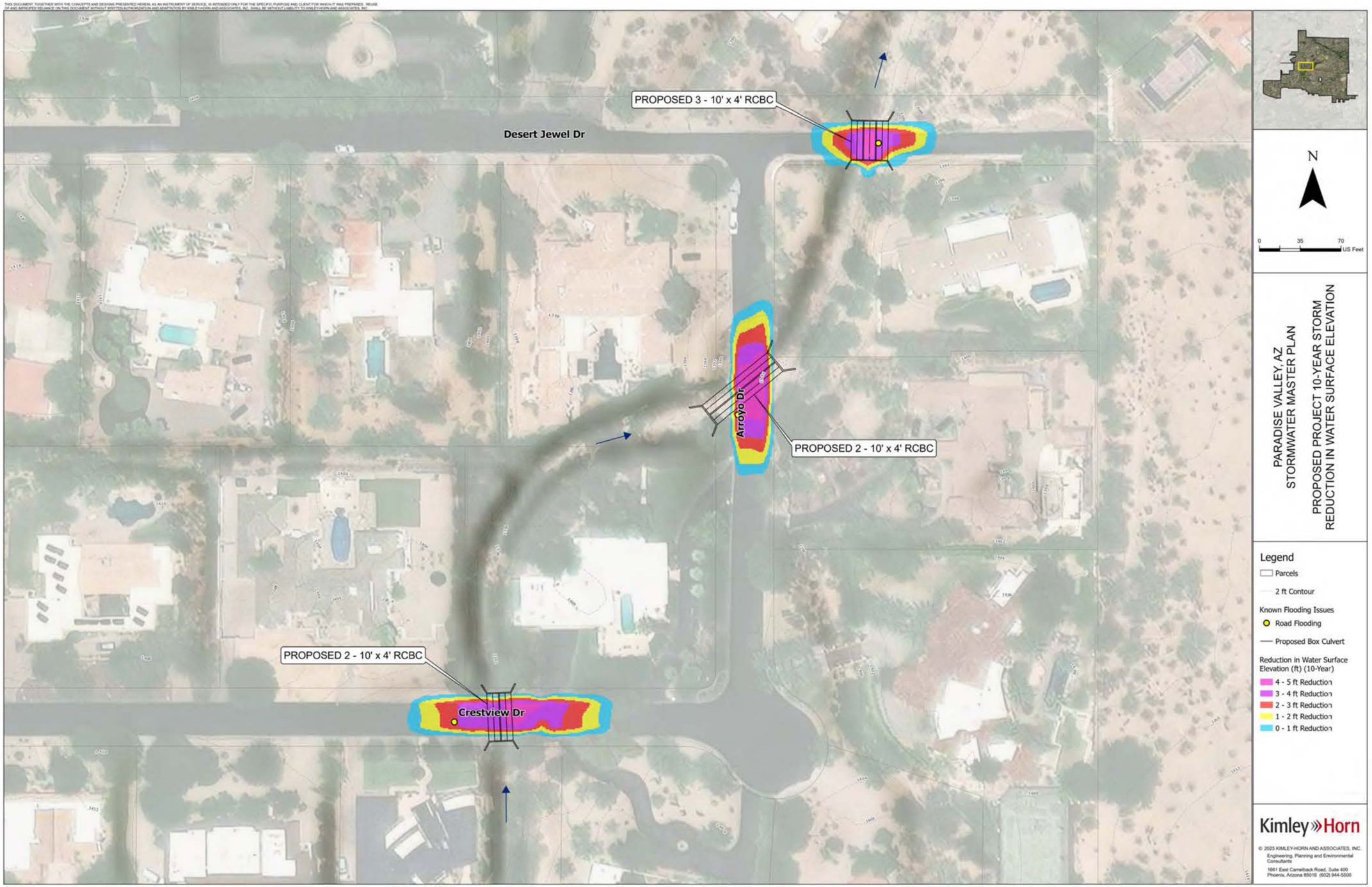
Phoenix, Arizona 85016 (602) 944-5500


Desert Jewel Dr
Arroyo Dr
Crestview Dr
N
0
45
90
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA L EXISTING CONDITIONS
10-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 3 - 10' x 4' RCBC
Desert Jewel Dr
Arroyo Dr
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Crestview Dr
N
0
35
70
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA L PROPOSED PROJECT
10-YEAR STORM RESULTS
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Proposed Box Culvert
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 3 - 10' x 4' RCBC
Desert Jewel Dr
Arroyo Dr
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Crestview Dr
N
0
35
70
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 10-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Proposed Box Culvert
Reduction in Water Surface Elevation (ft) (10-Year)
4 - 5 ft Reduction
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
Kimley»Horn
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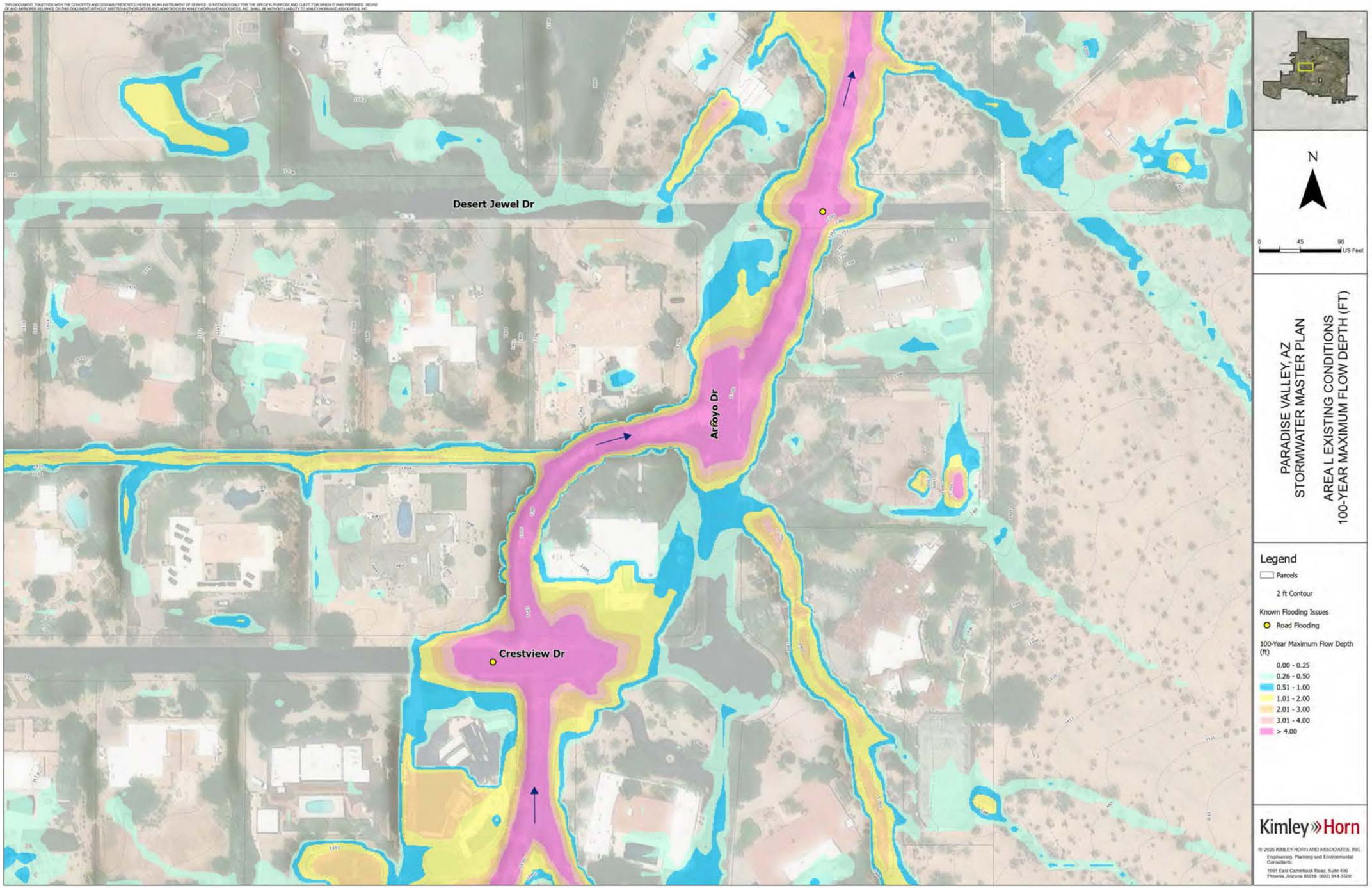
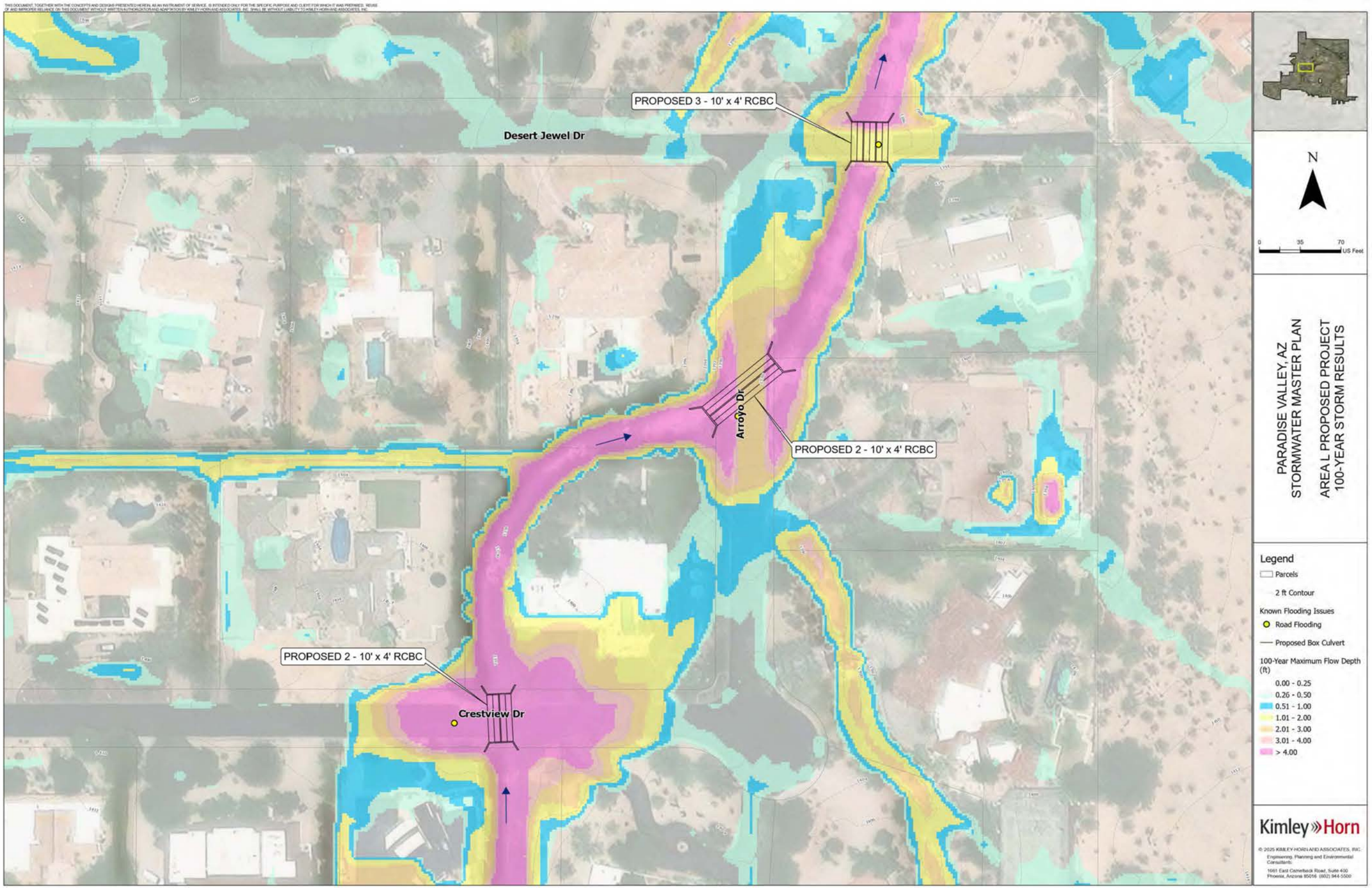
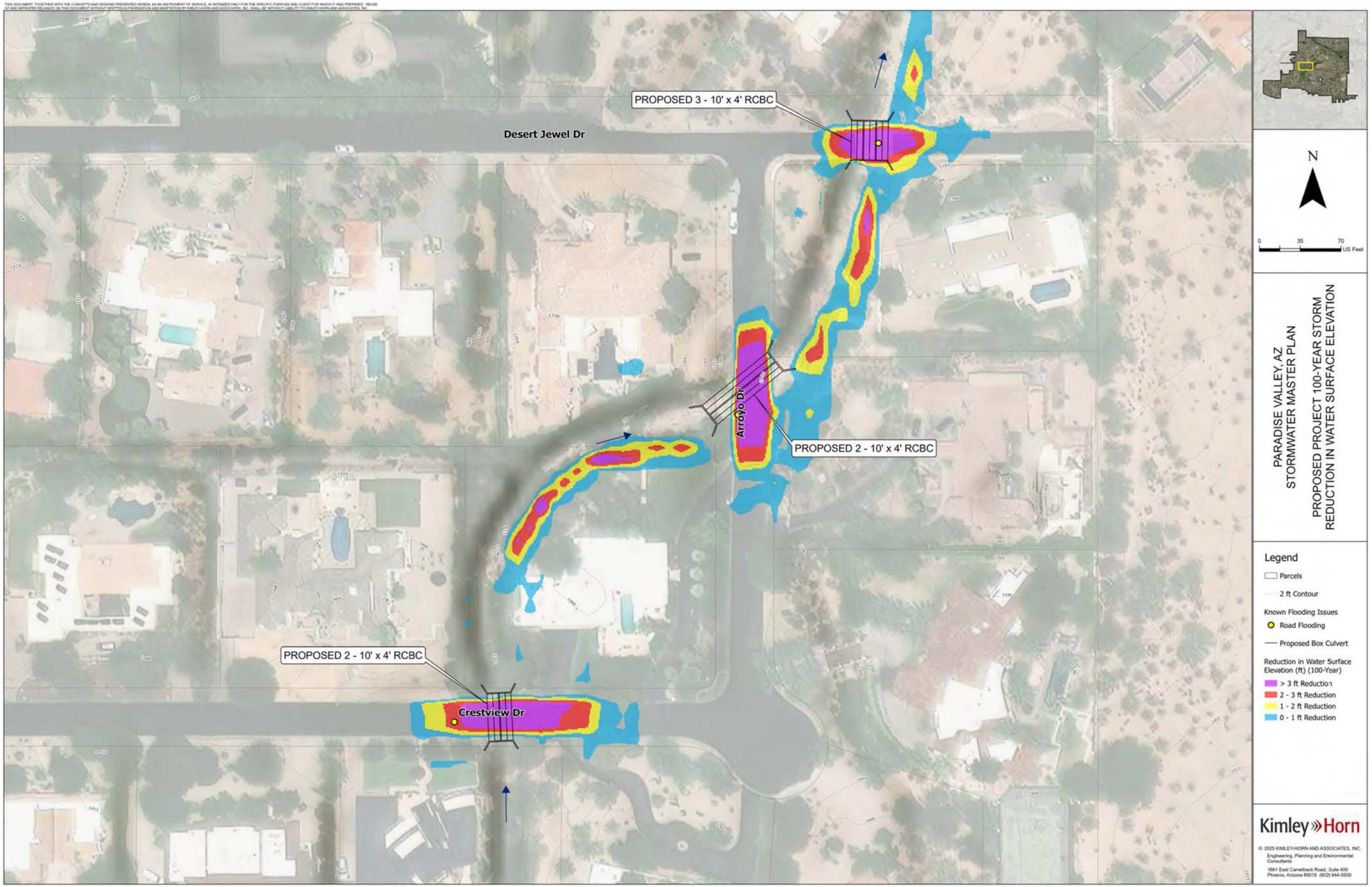
Phoenix, Arizona 85016 (602) 944-5500


Desert Jewel Dr
Arroyo Dr
Crestview Dr
N
0
45
90
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA L EXISTING CONDITIONS
100-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 3 - 10' x 4' RCBC
Desert Jewel Dr
Arroyo Dr
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Crestview Dr
N
0
35
70
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA L PROPOSED PROJECT
100-YEAR STORM RESULTS
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Proposed Box Culvert
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 3 - 10' x 4' RCBC
Desert Jewel Dr
Arroyo Dr
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Crestview Dr
N
0
35
70
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 100-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Parcels
2 ft Contour
Known Flooding Issues
Road Flooding
Proposed Box Culvert
Reduction in Water Surface Elevation (ft) (100-Year)
> 3 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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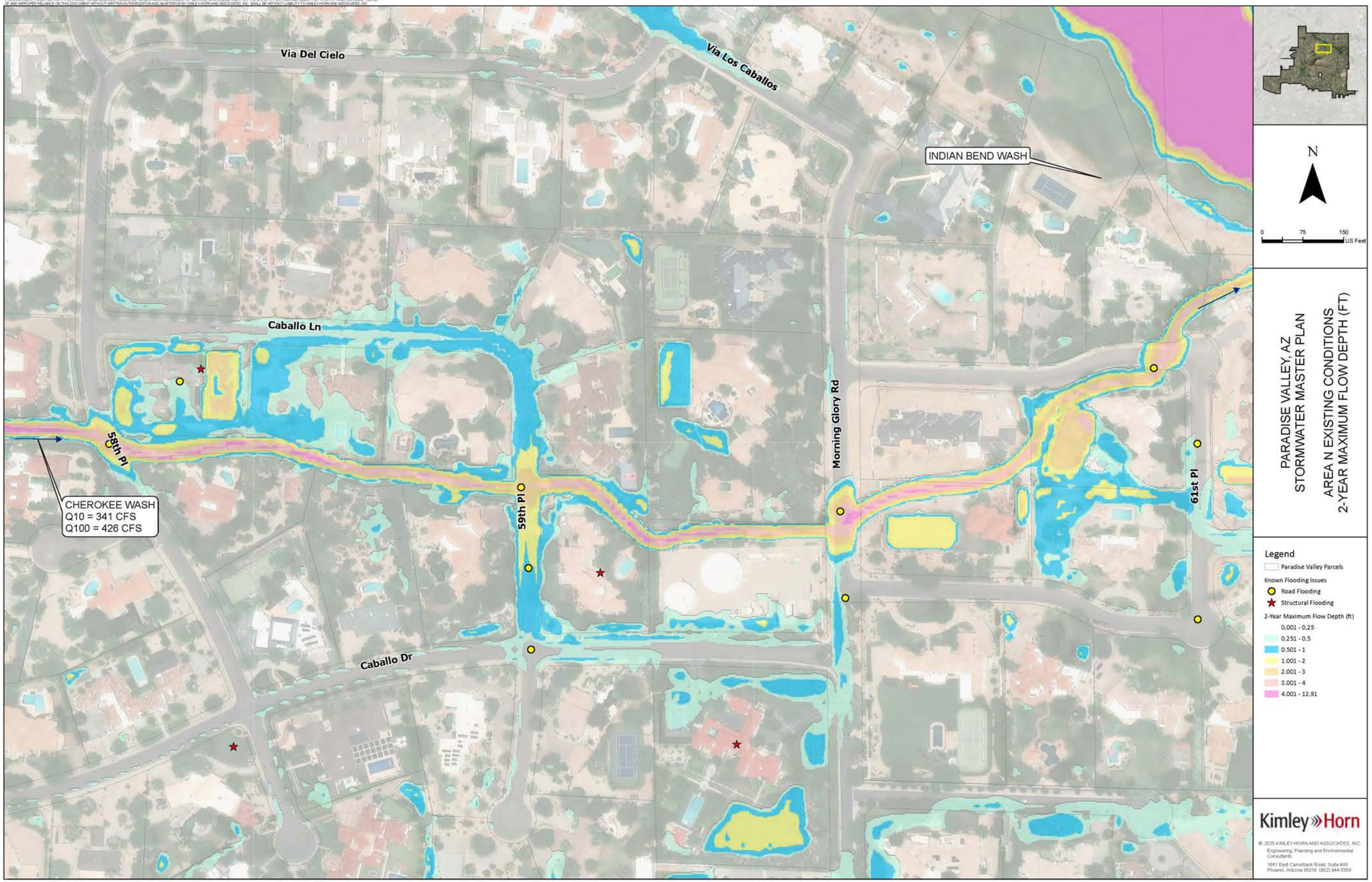
Phoenix, Arizona 85016 (602) 944-5500

# XVIII. APPENDIX F – HIGHEST PRIORITY PROJECTS ANTICIPATED PERFORMANCE

## FLOOD HAZARD AREA N


Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
58th Pl
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
59th Pl
Morning Glory Rd
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA N EXISTING CONDITIONS
2-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley Parcels
Known Flooding Issues
Road Flooding
Structural Flooding
2-Year Maximum Flow Depth (ft)
0.001 - 0.25
0.251 - 0.5
0.501 - 1
1.001 - 2
2.001 - 3
3.001 - 4
4.001 - 12.91
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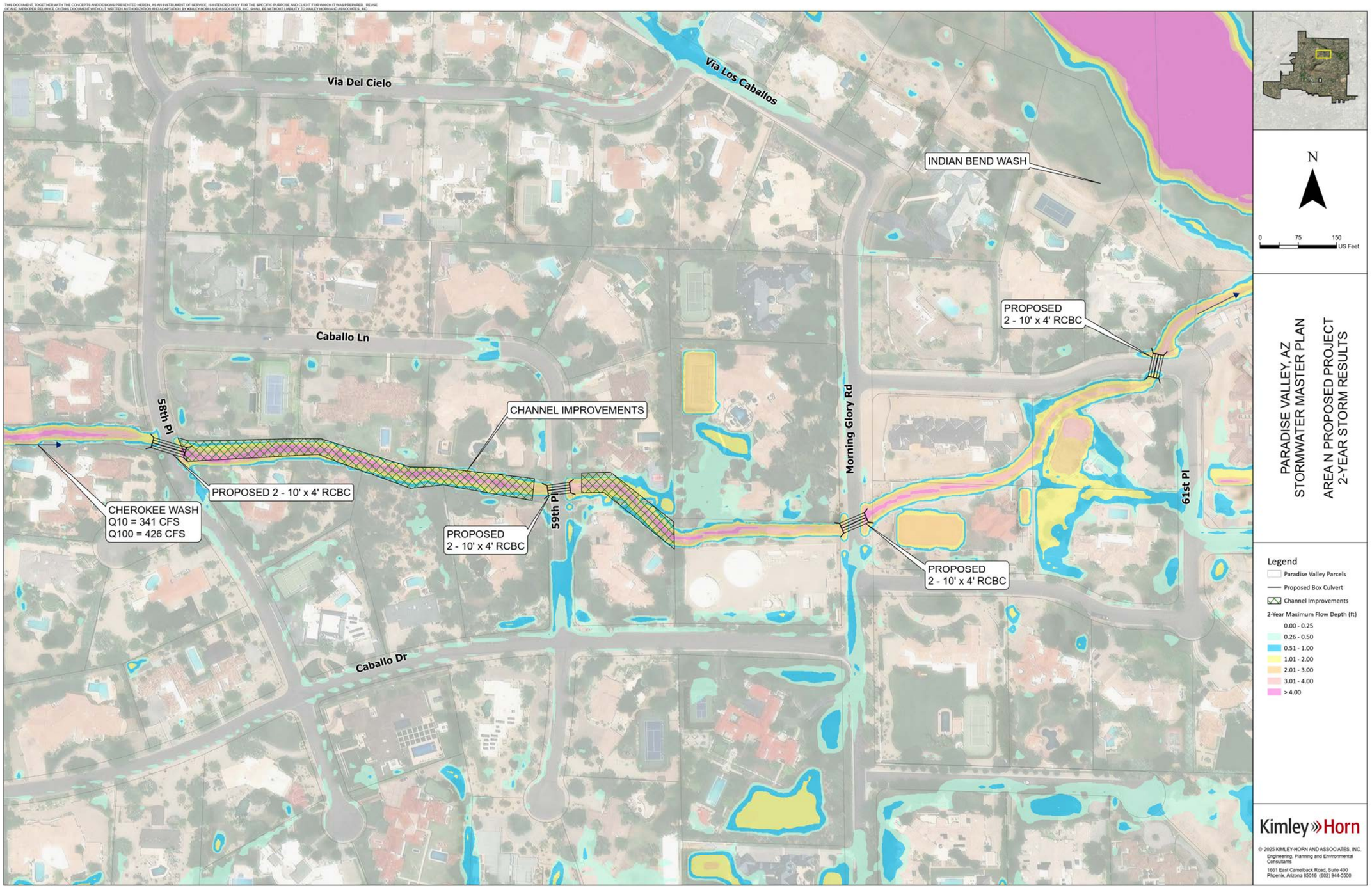
Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
58th Pl
CHANNEL IMPROVEMENTS
PROPOSED 2 - 10' x 4' RCBC
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
PROPOSED
2 - 10' x 4' RCBC
59th Pl
Morning Glory Rd
PROPOSED
2 - 10' x 4' RCBC
PROPOSED
2 - 10' x 4' RCBC
61st Pl
Caballo Dr
N
0 75 150
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA N PROPOSED PROJECT
2-YEAR STORM RESULTS
Legend
Paradise Valley Parcels
Proposed Box Culvert
Channel Improvements
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
PROPOSED 2 - 10' x 4' RCBC
58th Pl
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
PROPOSED
2 - 10' x 4' RCBC
59th Pl
PROPOSED
2 - 10' x 4' RCBC
Morning Glory Rd
PROPOSED
2 - 10' x 4' RCBC
61st Pl
Caballo Dr
N
0
75
150
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 2-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley Parcels
Proposed Box Culvert
Known Flooding Issues
Road Flooding
Structural Flooding
Reduction in Water Sur'ace Elevation (ft) (2-Year)
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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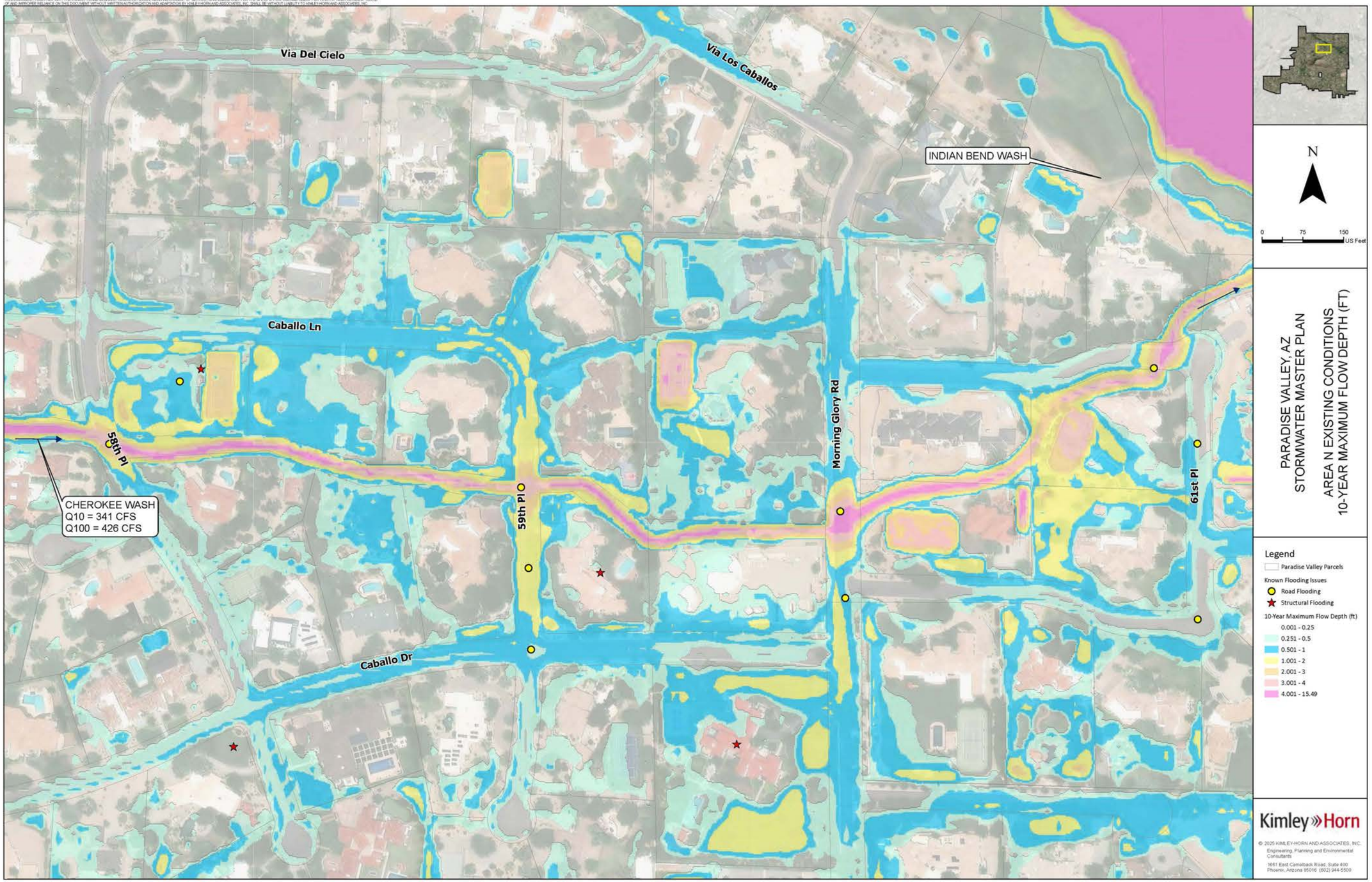
Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
58th Pl
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
59th Pl
Morning Glory Rd
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA N EXISTING CONDITIONS
10-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley Parcels
Known Flooding Issues
Road Flooding
Structural Flooding
10-Year Maximum Flow Depth (ft)
0.001 - 0.25
0.251 - 0.5
0.501 - 1
1.001 - 2
2.001 - 3
3.001 - 4
4.001 - 15.49
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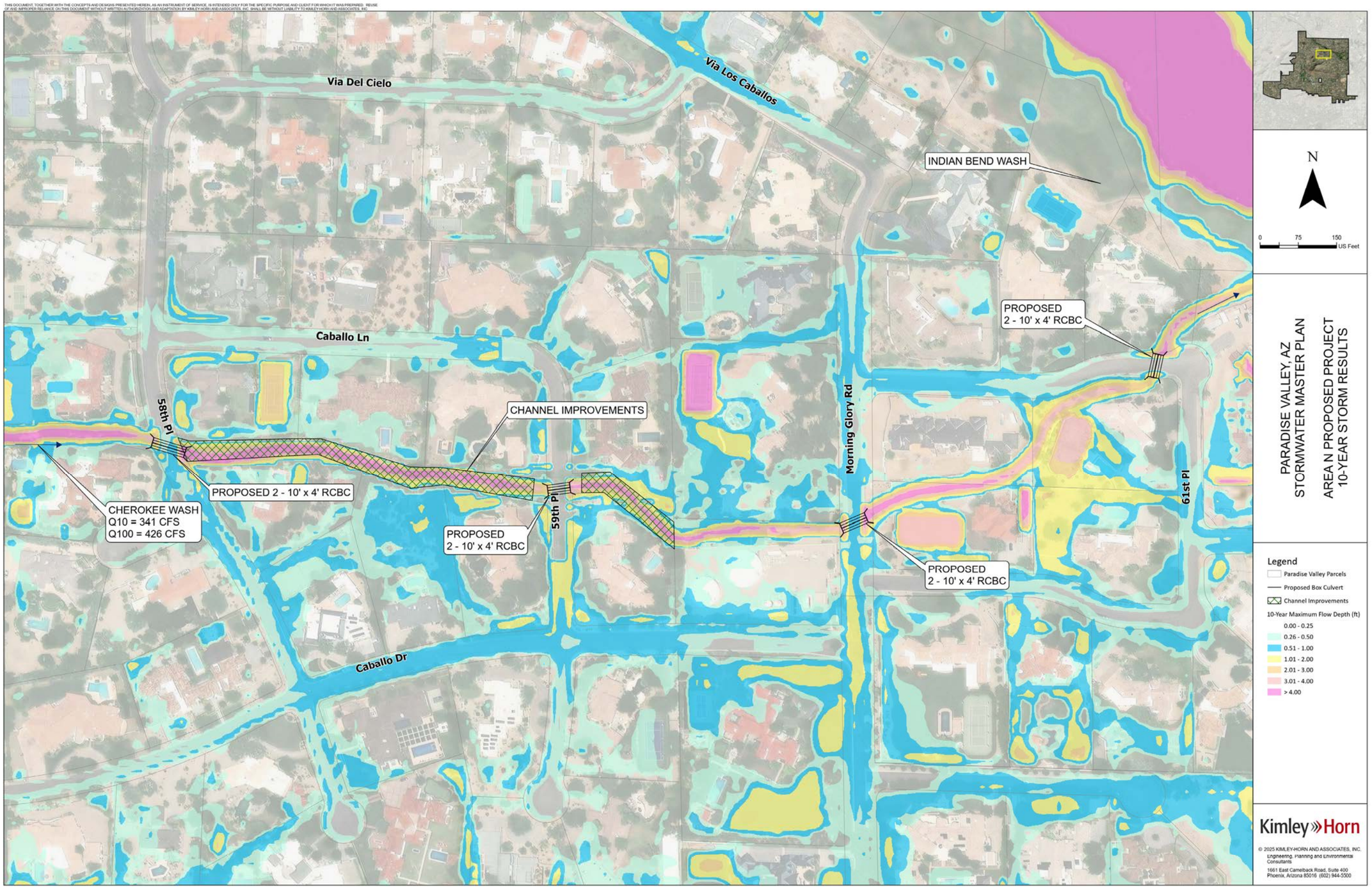
Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
58th Pl
CHANNEL IMPROVEMENTS
PROPOSED 2 - 10' x 4' RCBC
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
PROPOSED
2 - 10' x 4' RCBC
59th Pl
Morning Glory Rd
PROPOSED
2 - 10' x 4' RCBC
PROPOSED
2 - 10' x 4' RCBC
61st Pl
Caballo Dr
N
0 75 150
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA N PROPOSED PROJECT
10-YEAR STORM RESULTS
Legend
Paradise Valley Parcels
Proposed Box Culvert
Channel Improvements
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
59th Pl
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Morning Glory Rd
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 10-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley Parcels
Proposed Box Culvert
Known Flooding Issues
Road Flooding
Structural Flooding
Reduction in Water Sur'ace Elevation (ft) (10-Year)
4 - 5 ft Reduction
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
Kimley»Horn
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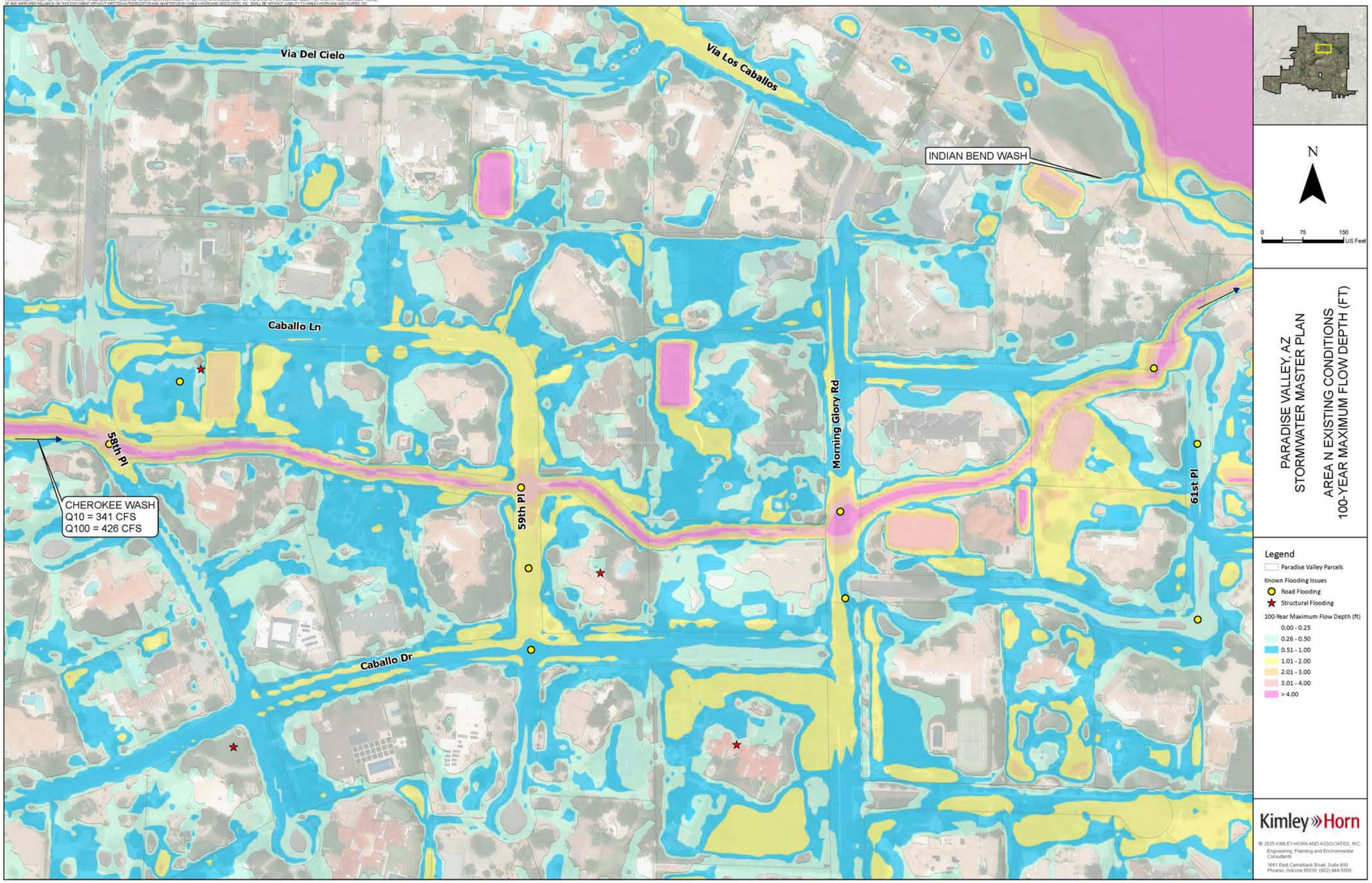
Phoenix, Arizona 85016 (602) 944-5500


Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
58th Pl
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
59th Pl
Morning Glory Rd
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA N EXISTING CONDITIONS
100-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley Parcels
Known Flooding Issues
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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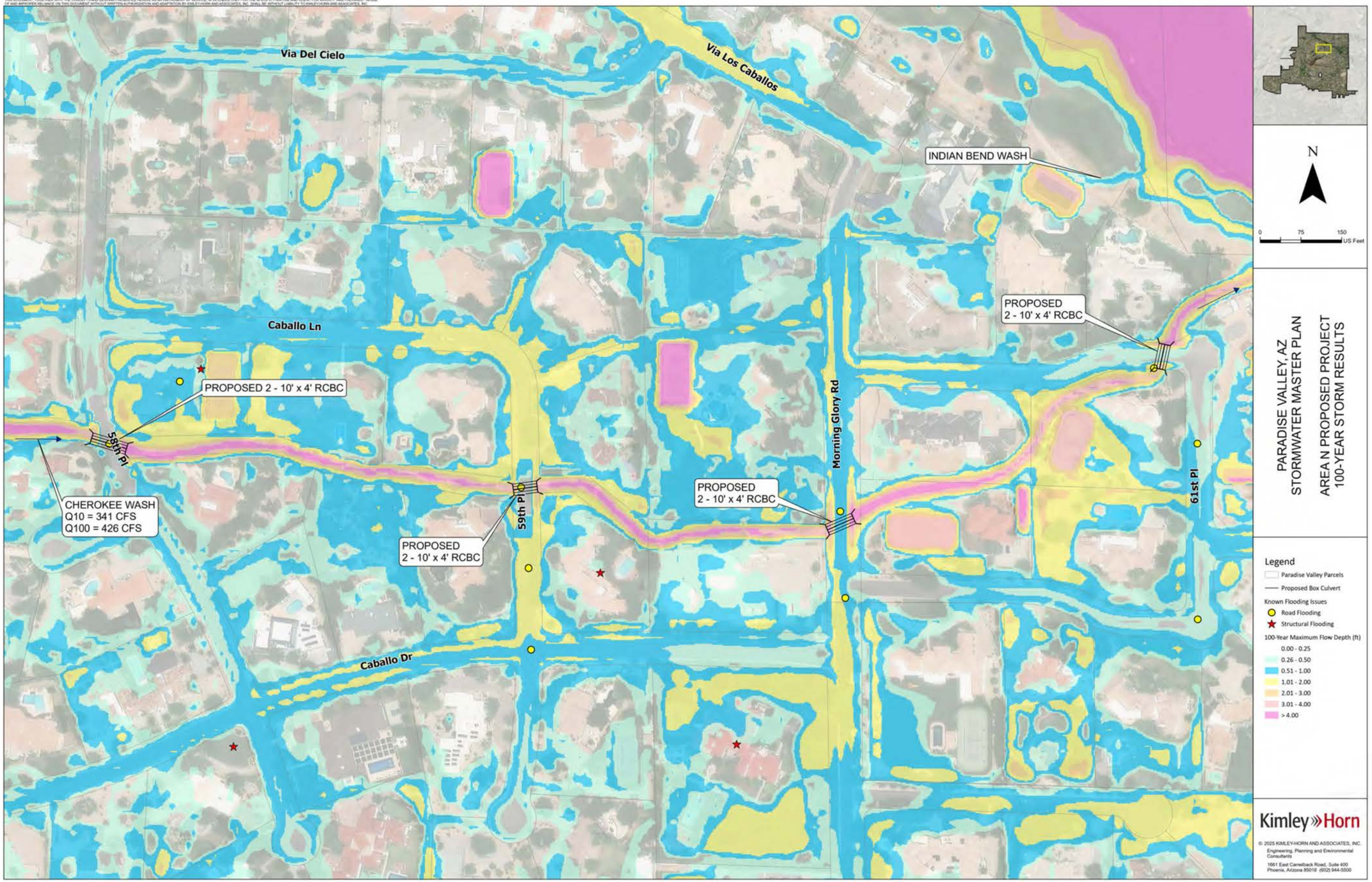
Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
58th Pl
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
59th Pl
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
Morning Glory Rd
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA N PROPOSED PROJECT
100-YEAR STORM RESULTS
Legend
Paradise Valley Parcels
Proposed Box Culvert
Known Flooding Issues
Road Flooding
Structural Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn
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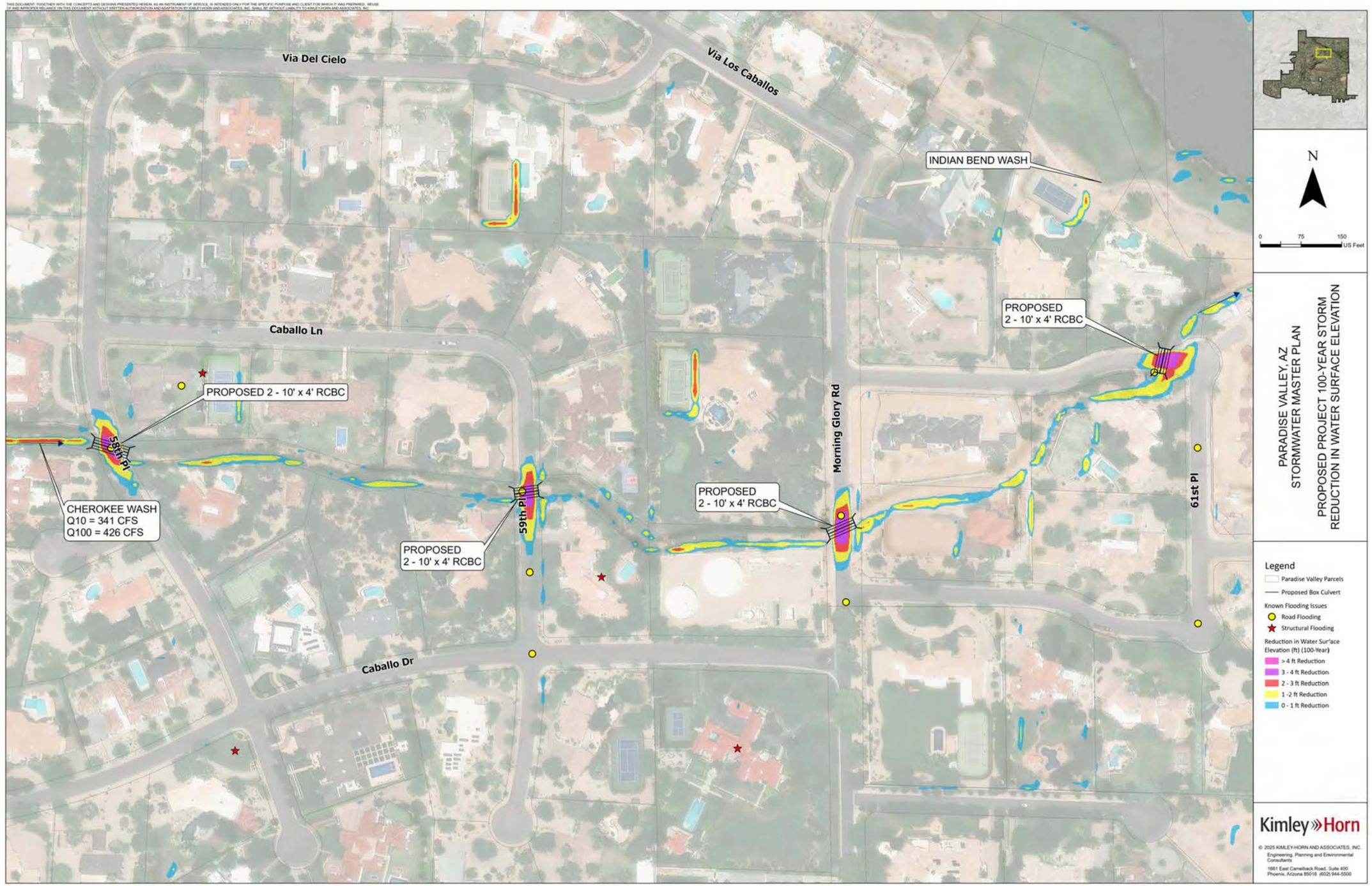
Via Del Cielo
Via Los Caballos
INDIAN BEND WASH
Caballo Ln
PROPOSED 2 - 10' x 4' RCBC
PROPOSED 2 - 10' x 4' RCBC
58th Pl
CHEROKEE WASH
Q10 = 341 CFS
Q100 = 426 CFS
PROPOSED 2 - 10' x 4' RCBC
59th Pl
PROPOSED 2 - 10' x 4' RCBC
Morning Glory Rd
61st Pl
Caballo Dr
N
0 75 150 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 100-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley Parcels
Proposed Box Culvert
Known Flooding Issues
Road Flooding
Structural Flooding
Reduction in Water Surface Elevation (ft) (100-Year)
> 4 ft Reduction
3 - 4 ft Reduction
2 - 3 ft Reduction
1 -2 ft Reduction
0 - 1 ft Reduction
Kimley»Horn
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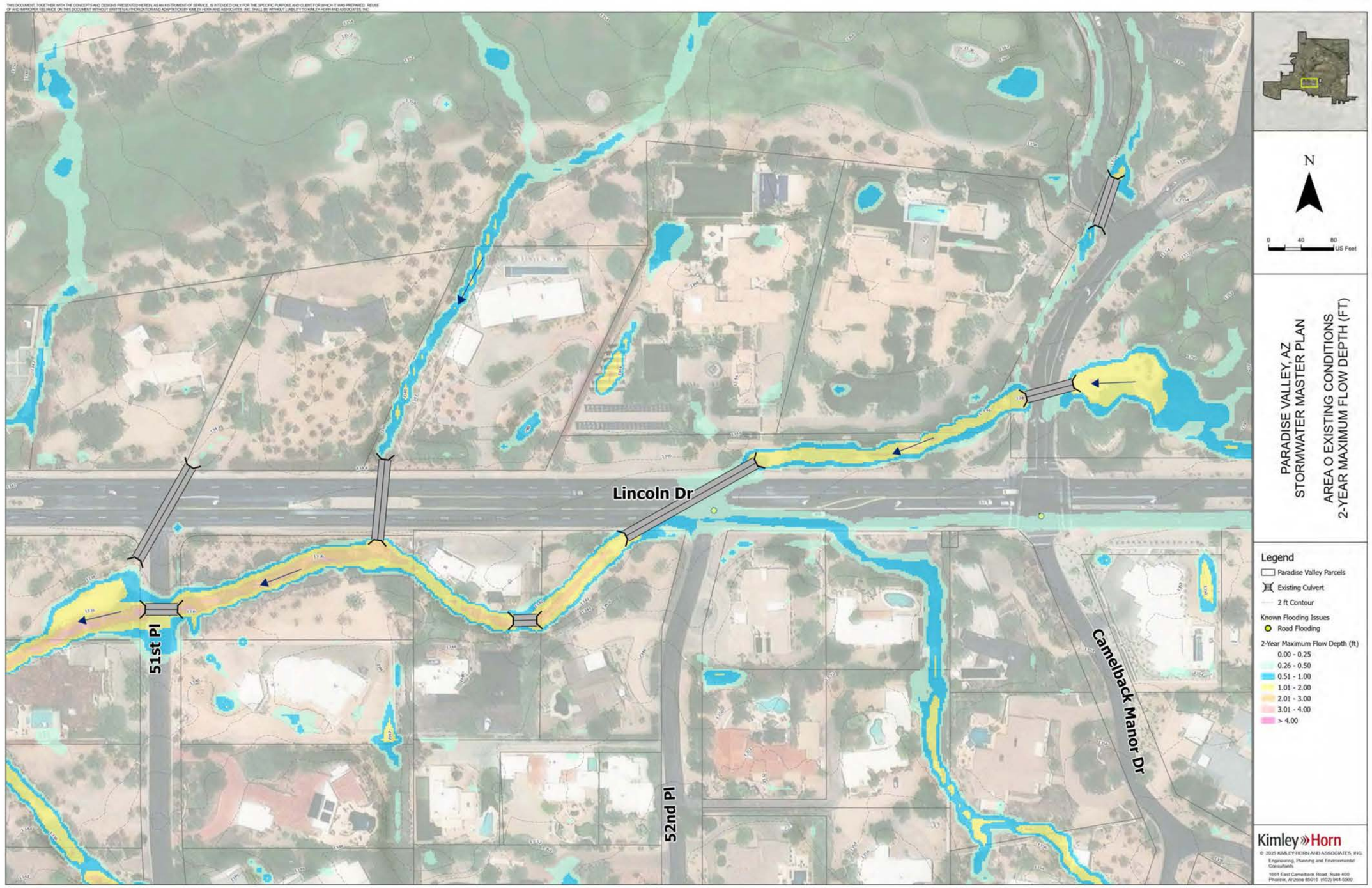
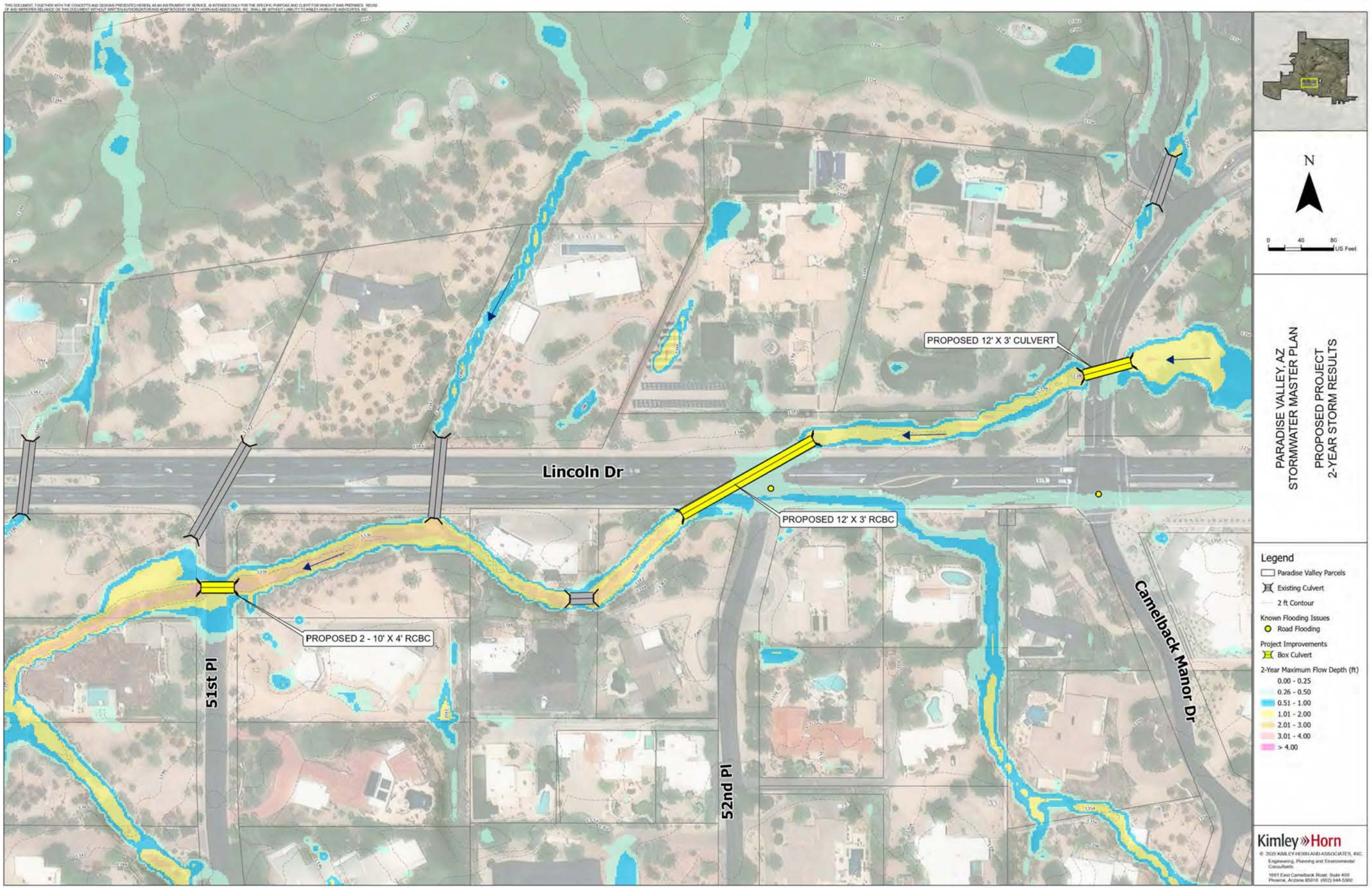
Phoenix, Arizona 85016 (602) 944-5500

# XVIII. APPENDIX F – HIGHEST PRIORITY PROJECTS ANTICIPATED PERFORMANCE

## FLOOD HAZARD AREA O


Lincoln Dr
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA O EXISTING CONDITIONS
2-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 12' X 3' CULVERT
Lincoln Dr
PROPOSED 12' X 3' RCBC
PROPOSED 2 - 10' X 4' RCBC
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
2-YEAR STORM RESULTS
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Improvements
Box Culvert
2-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn

PROPOSED 12' X 3' CULVERT
Lincoln Dr
PROPOSED 12' X 3' RCBC
PROPOSED 2 - 10' X 4' RCBC
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 2-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Improvements
Box Culvert
Reduction in Water Surface Elevation (2-Year Storm)
1-2 ft
0-1 ft
Kimley»Horn
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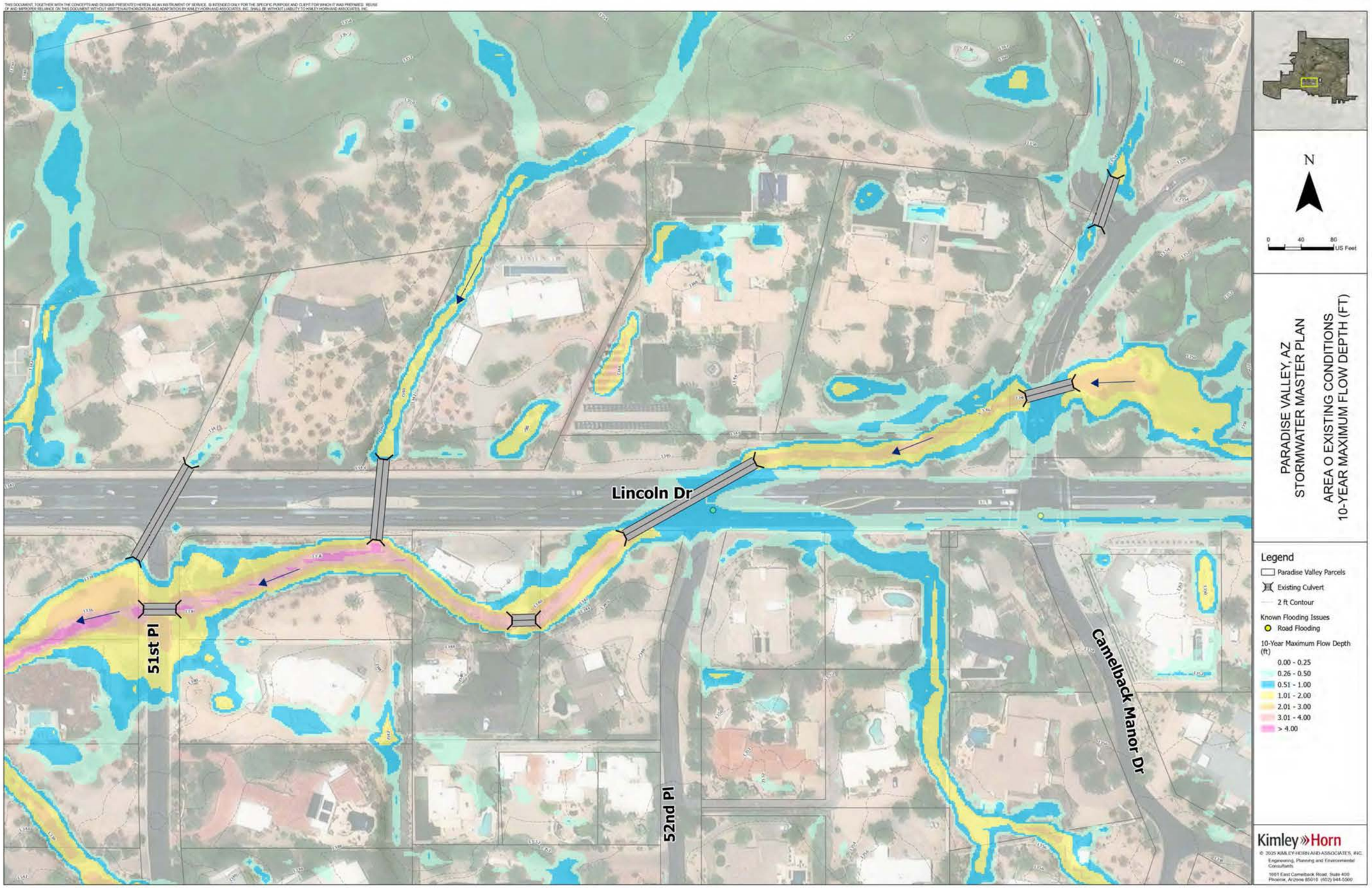
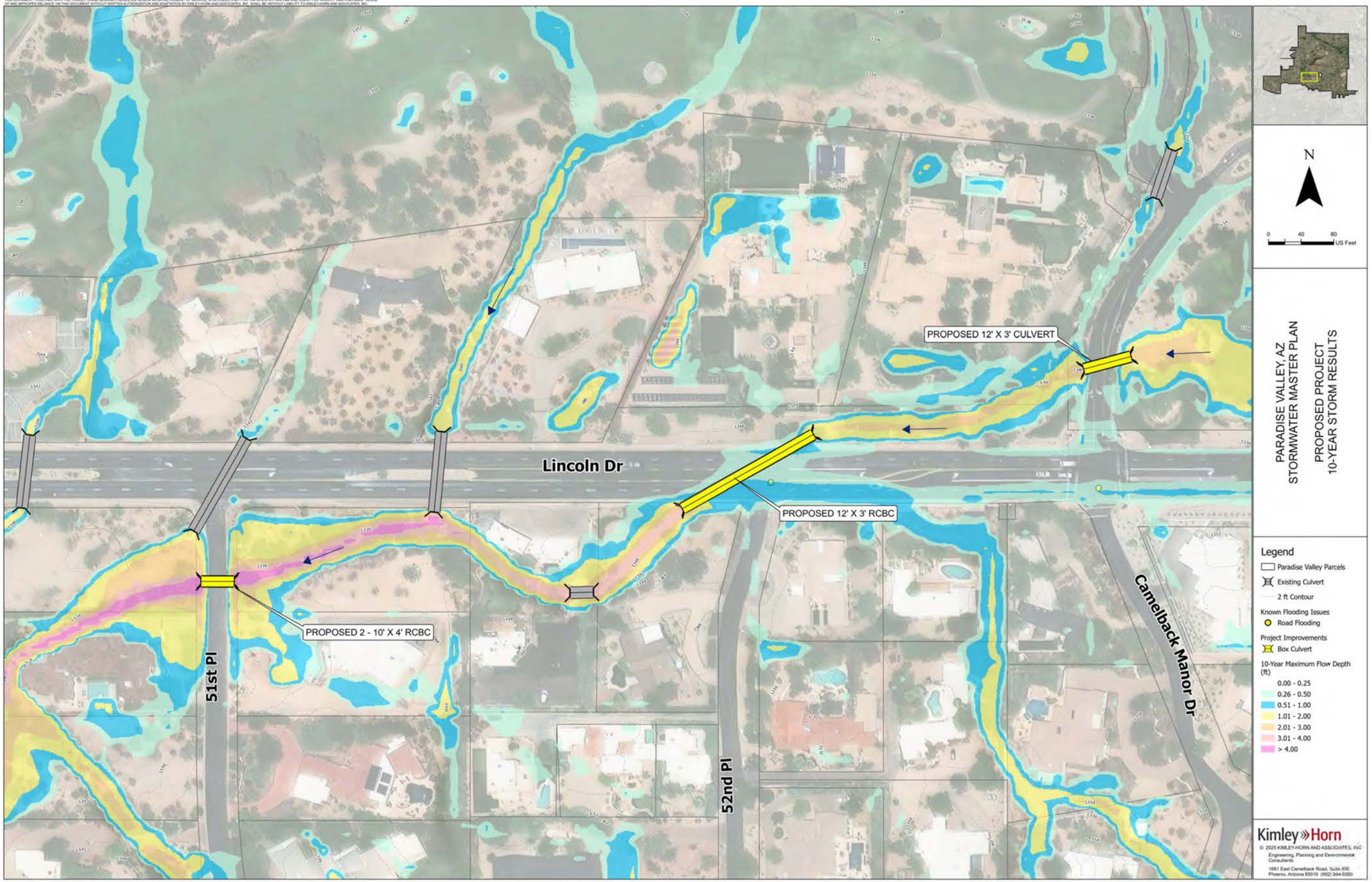
Engineering, Planning and Environmental Consultants
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016 (602) 944-5500


Lincoln Dr
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA O EXISTING CONDITIONS
10-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 12' X 3' CULVERT
Lincoln Dr
PROPOSED 12' X 3' RCBC
PROPOSED 2 - 10' X 4' RCBC
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
10-YEAR STORM RESULTS
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Improvements
Box Culvert
10-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
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PROPOSED 12' X 3' CULVERT
Lincoln Dr
PROPOSED 12' X 3' RCBC
PROPOSED 2 - 10' X 4' RCBC
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 10-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Improvements
Box Culvert
Reduction in Water Surface Elevation (ft) (10-Year)
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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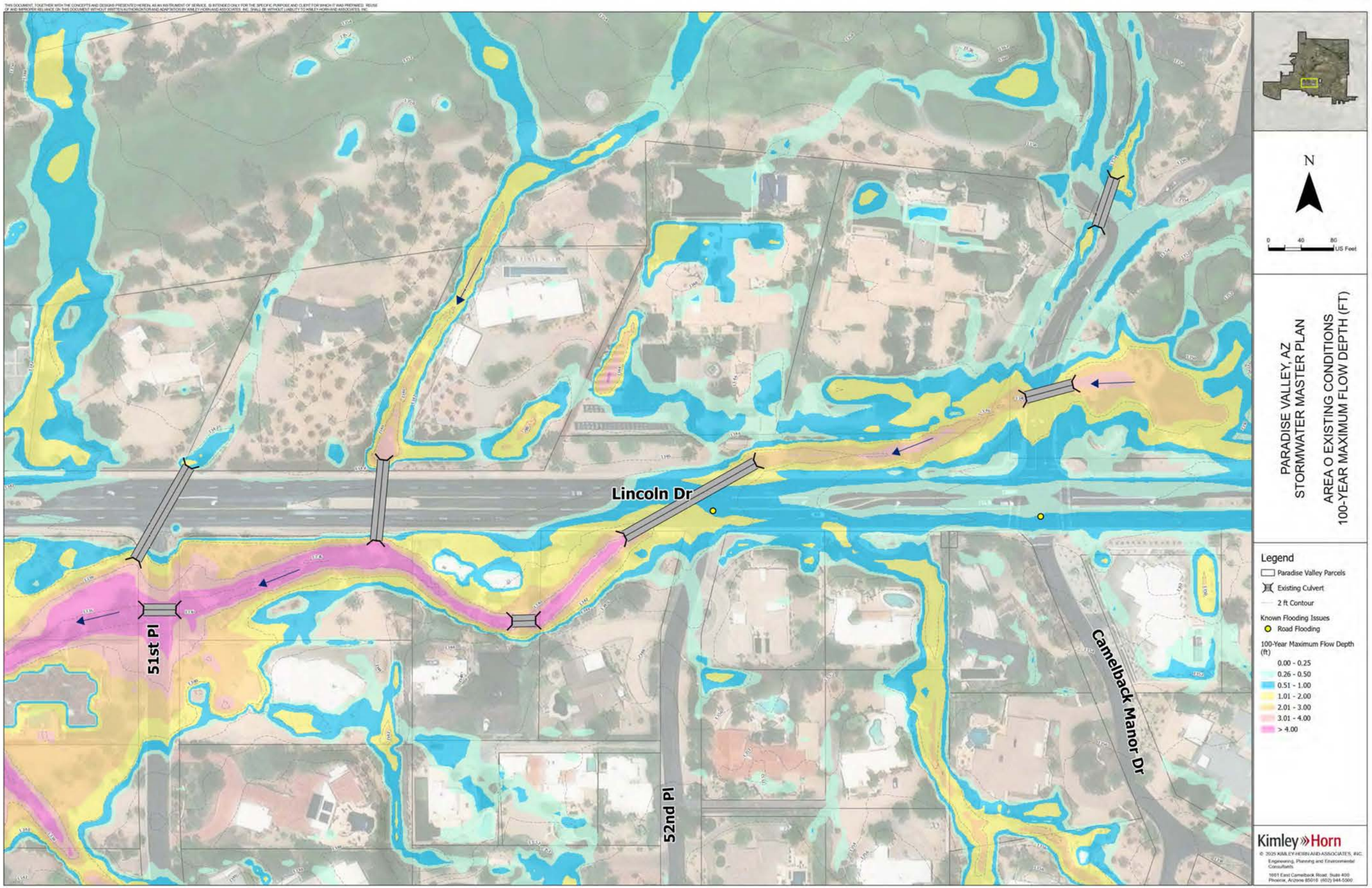
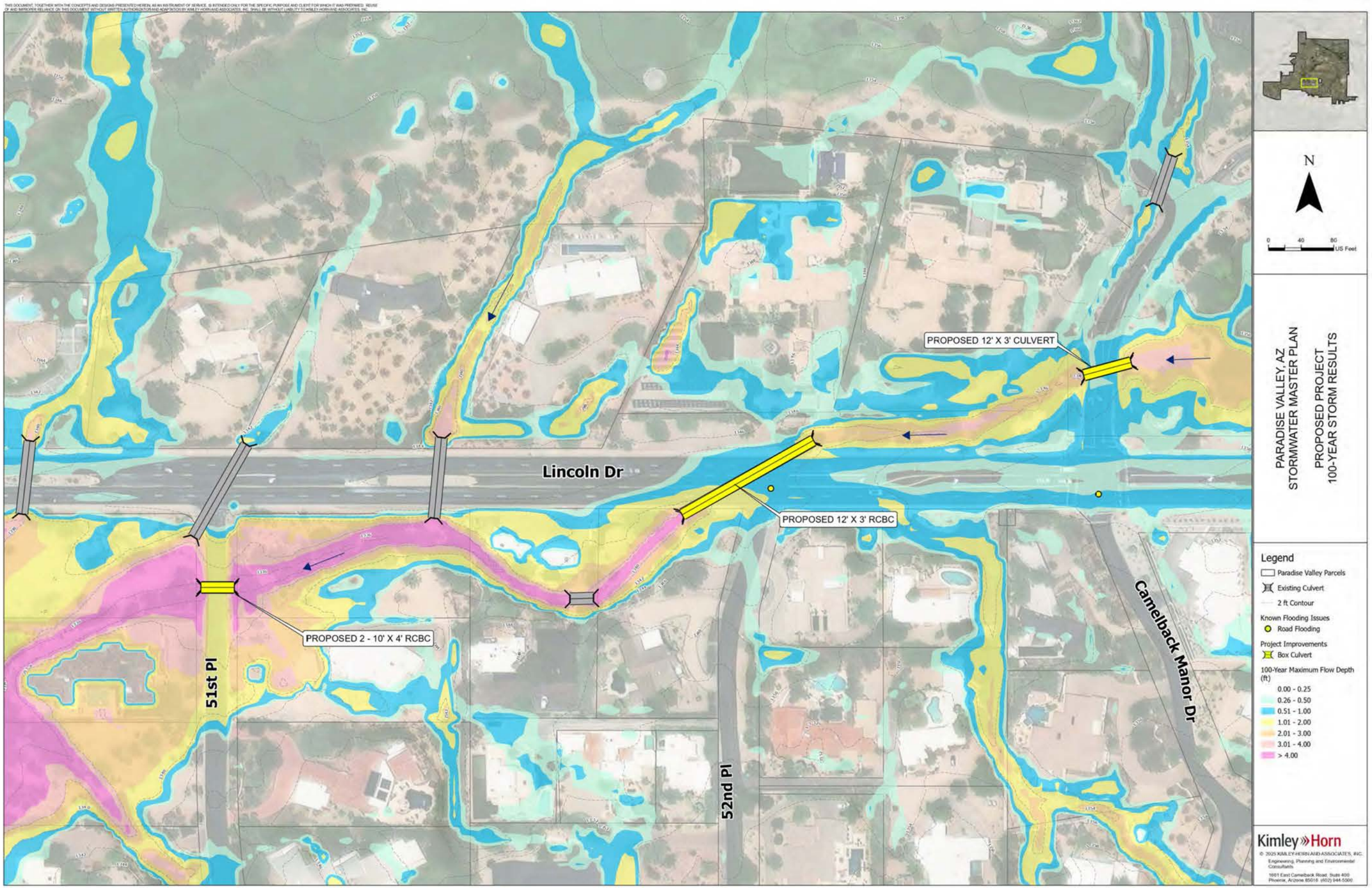

Lincoln Dr
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80
US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
AREA O EXISTING CONDITIONS
100-YEAR MAXIMUM FLOW DEPTH (FT)
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn


PROPOSED 12' X 3' CULVERT
Lincoln Dr
PROPOSED 12' X 3' RCBC
PROPOSED 2 - 10' X 4' RCBC
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT
100-YEAR STORM RESULTS
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Project Improvements
Box Culvert
100-Year Maximum Flow Depth (ft)
0.00 - 0.25
0.26 - 0.50
0.51 - 1.00
1.01 - 2.00
2.01 - 3.00
3.01 - 4.00
> 4.00
Kimley»Horn

PROPOSED 12' X 3' CULVERT
Lincoln Dr
PROPOSED 12' X 3' RCBC
PROPOSED 2 - 10' X 4' RCBC
51st Pl
52nd Pl
Camelback Manor Dr
N
0 40 80 US Feet
PARADISE VALLEY, AZ
STORMWATER MASTER PLAN
PROPOSED PROJECT 100-YEAR STORM
REDUCTION IN WATER SURFACE ELEVATION
Legend
Paradise Valley Parcels
Existing Culvert
2 ft Contour
Known Flooding Issues
Road Flooding
Reduction in Water Surface Elevation (100-Year Storm)
> 4 ft Reduction
3 - 4 ft Reduction
2 - 3 ft Reduction
1 - 2 ft Reduction
0 - 1 ft Reduction
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# XIX. APPENDIX G – HIGHEST PRIORITY PROJECTS COST ESTIMATES

Area A - Engineer's Opinion of Probable Cost

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | Construction Estimate | | | | |
| 1 | 12' x 3' RCBC | LF | 900 | $1,800 | $1,620,000 |
| 2 | 2 - 30" RCP Storm Drain | LF | 1,500 | $750 | $1,125,000 |
| 3 | 54" RCP Storm Drain | LF | 1,200 | $525 | $630,000 |
| 4 | 42" RCP Storm Drain | LF | 500 | $415 | $207,500 |
| 5 | 36" RCP Storm Drain | LF | 450 | $320 | $144,000 |
| 6 | Storm Drain Connection | EA | 1 | $3,500 | $3,500 |
| 7 | Catch Basin | EA | 5 | $25,000 | $125,000 |
| 8 | Manhole | EA | 15 | $12,000 | $180,000 |
| 9 | Pavement Removal | LF | 4,210 | $35 | $147,350 |
| 10 | Median Curb Replacement | LF | 1,800 | $55 | $99,000 |
| 11 | New Pavement/Regrading | SY | 11,000 | $85 | $935,000 |
| 12 | Concrete Curb and Gutter | LF | 3,200 | $55 | $176,000 |
| 13 | Clearing and Grubbing | LF | 4,210 | $50 | $210,500 |
| 14 | Inlet Structure | EA | 3 | $25,000 | $75,000 |
| 15 | Pavers to Match Existing Conditions | SF | 4,210 | $40 | $168,400 |
| 16 | Landscaping and Irrigation Restoration | SF | 12,630 | $60 | $757,800 |
| | | | | Subtotal | 6,604,050 |
| | General Costs | | | | |
| 17 | SWPPP (2%) | LS | 1 | $132,081 | $132,081 |
| 18 | Mobilization/Demobilization (10%) | LS | 1 | $660,405 | $660,405 |
| 19 | Design (15%) | LS | 1 | $990,608 | $990,608 |
| 20 | Construction Management (12%) | LS | 1 | $792,486 | $792,486 |
| 21 | Utilities (10%) | LS | 1 | $660,405 | $660,405 |
| 22 | Traffic Control (3%) | LS | 1 | $198,122 | $198,122 |
| | | | | Subtotal | $10,038,156 |
| | | | | Contingency (15%) | $1,505,723 |
| | | | | Total Project Cost | $11,543,879 |

Table 17 – Engineer's Opinion of Probable Cost

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | Construction Estimate | | | | |
| 1 | Storm Drain Outlet | EA | 1 | $2,500 | $2,500 |
| 2 | Storm Drain Pipe 24" | LF | 110 | $410 | $45,100 |
| 3 | Manhole | EA | 1 | $10,000 | $10,000 |
| 4 | Staff Gage | EA | 1 | $210 | $210 |
| 5 | Flood Warning Sign | EA | 1 | $275 | $275 |
| 6 | Protective Railing | LF | 75 | $180 | $13,500 |
| 7 | Removal of Curb and Gutter | LF | 3 | $250 | $750 |
| 8 | Curb & Gutter | LF | 3 | $100 | $300 |
| 9 | Concrete Sidewalk | SF | 10 | $35 | $350 |
| 10 | Storm Drain Pipe 36" | SF | 15 | $375 | $5,625 |
| 11 | Remove Bollards | EA | 6 | $260 | $1,560 |
| 12 | Removal of Pipe | LF | 15 | $75 | $1,125 |
| 13 | Riprap | CY | 15 | $120 | $1,800 |
| 14 | Channel Excavation | CY | 1,200 | $28 | $33,600 |
| 15 | Diversion Structure | LS | 1 | $55,000 | $55,000 |
| 16 | Basin Excavation | CY | 2,600 | $25 | $65,000 |
| 17 | Landscaping | LS | 1 | $15,000 | $15,000 |
| | | | | Sub Total | $251,695 |
| | General Costs | | | | |
| 18 | SWPPP (10%) | LS | 1 | $25,170 | $25,170 |
| 19 | Mobilization/Demobilization (50%) | LS | 1 | $125,848 | $125,848 |
| 20 | Design (50%) | LS | 1 | $125,848 | $125,848 |
| 21 | Construction Management (45%) | LS | 1 | $113,263 | $113,263 |
| 22 | Utilities (20%) | LS | 1 | $50,339 | $50,339 |
| 23 | Traffic Control (20%) | LS | 1 | $50,339 | $50,339 |
| | | | | Subtotal | $742,500 |
| | | | | Contingency (40%) | $297,000 |
| | | | | Total | $1,039,500 |

Area K - Engineer's Opinion of Probable Cost

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | Construction Estimate | | | | |
| 1 | Basin Excavation | CY | 61,307 | $42 | $2,574,894 |
| 2 | Landscaping | SF | 174,240 | $5 | $871,200 |
| 3 | Clearing and Grubbing | SF | 174,240 | $2 | $348,480 |
| 4 | Weir Grading and Concrete | LS | 1 | $10,000 | $10,000 |
| 5 | Riprap | CY | 630 | $120 | $75,600 |
| | | | | Subtotal | $3,880,174 |
| | General Costs | | | | |
| 6 | SWPPP (2%) | LS | 1 | $77,603 | $77,603 |
| 7 | Mobilization/Demobilization (12%) | LS | 1 | $465,621 | $465,621 |
| 8 | Design (10%) | LS | 1 | $388,017 | $388,017 |
| 9 | Construction Management (10%) | LS | 1 | $388,017 | $388,017 |
| 10 | Utilities (2%) | LS | 1 | $77,603 | $77,603 |
| 11 | Traffic Control (1%) | LS | 1 | $38,802 | $38,802 |
| | | | | Subtotal | $5,315,838 |
| | | | | Contingency (15%) | $797,376 |
| | | | | Total | $6,113,214 |

Area L - Engineer's Opinion of Probable Costs

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | Construction Estimate | | | | |
| 1 | 2 - 10' x 4' RCBC | LF | 125 | $2,600 | $325,000 |
| 2 | 3 - 10' x 4' RCBC | LF | 45 | $3,400 | $153,000 |
| 3 | Headwalls | EA | 6 | $15,000 | $90,000 |
| 4 | Grouted Riprap | CY | 30 | $470 | $14,100 |
| 5 | Safety Rail | LF | 240 | $150 | $36,000 |
| 6 | Earthwork/Sediment Basin | CY | 780 | $45 | $35,100 |
| 7 | Landscaping | LS | 1 | $20,000 | $20,000 |
| 8 | Pavement Replacement | TON | 165 | $475 | $78,375 |
| | | | | Sub Total | $751,575 |
| | General Costs | | | | |
| 9 | SWPPP (5%) | LS | 1 | $37,579 | $37,579 |
| 10 | Mobilization/Demobilization (20%) | LS | 1 | $150,315 | $150,315 |
| 11 | Design (20%) | LS | 1 | $150,315 | $150,315 |
| 12 | Construction Management (15%) | LS | 1 | $112,736 | $112,736 |
| 13 | Utilities (8%) | LS | 1 | $60,126 | $60,126 |
| 14 | Traffic Control (5%) | LS | 1 | $37,579 | $37,579 |
| | | | | Subtotal | $1,300,225 |
| | | | | Contingency (20%) | $260,045 |
| | | | | Total | $1,560,270 |

Area N - Engineer's Opinion of Probable Cost

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | Construction Estimate | | | | |
| 1 | 2 - 10' x 4' RCBC | LF | 255 | $2,600 | $663,000 |
| 2 | Headwall | EA | 8 | $15,000 | $120,000 |
| 3 | Grouted Riprap | CY | 32 | $480 | $15,360 |
| 4 | Pavement Removal and Replacement | LF | 670 | $150 | $100,500 |
| 5 | Landscaping | LS | 1 | $25,000 | $25,000 |
| 6 | Safety Rail | LF | 200 | $150 | $30,000 |
| 7 | Clearing and Grubbing | AC | 1 | $25,000 | $25,000 |
| 8 | Channel Grading and Excavation | LS | 1 | $20,000 | $20,000 |
| | | | | Subtotal | $998,860 |
| | General Costs | | | | |
| 9 | SWPPP (3%) | LS | 1 | $29,966 | $29,966 |
| 10 | Mobilization/Demobilization (15%) | LS | 1 | $149,829 | $149,829 |
| 11 | Design (15%) | LS | 1 | $149,829 | $149,829 |
| 12 | Construction Management (15%) | LS | 1 | $149,829 | $149,829 |
| 13 | Utilities (10%) | LS | 1 | $99,886 | $99,886 |
| 14 | Traffic Control (8%) | LS | 1 | $79,909 | $79,909 |
| | | | | Subtotal | $1,658,108 |
| | | | | Contingency (20%) | $331,622 |
| | | | | Total | $1,989,729 |

Area O - Engineer's Opinion of Probable Cost

| Item | Description | Unit | Quantity | Unit Price | Cost |
|---|---|---|---|---|---|
| | Construction Estimate | | | | |
| 1 | 2 - 10' x 4' RCBC | LF | 55 | $2,400 | $132,000 |
| 2 | 12' x 3' RCBC | LF | 190 | $1,800 | $342,000 |
| 3 | Drop Inlet | EA | 1 | $20,000 | $20,000 |
| 4 | Headwalls | EA | 6 | $12,000 | $72,000 |
| 5 | Grouted Riprap | CY | 40 | $470 | $18,800 |
| 6 | Excavation | CY | 1,050 | $65 | $68,250 |
| 7 | Channel Grading and Landscaping | LS | 1 | $50,000 | $50,000 |
| 8 | Remove and Replace Pavement | LF | 315 | $220 | $69,300 |
| | | | | Subtotal | $772,350 |
| | General Costs | | | | |
| 9 | SWPPP (5%) | LS | 1 | $38,618 | $38,618 |
| 10 | Mobilization/Demobilization (20%) | LS | 1 | $154,470 | $154,470 |
| 11 | Design (20%) | LS | 1 | $154,470 | $154,470 |
| 12 | Construction Management (20%) | LS | 1 | $154,470 | $154,470 |
| 13 | Utilities (15%) | LS | 1 | $115,853 | $115,853 |
| 14 | Traffic Control (25%) | LS | 1 | $193,088 | $193,088 |
| | | | | Subtotal | $1,583,318 |
| | | | | Contingency (25%) | $395,829 |
| | | | | Total | $1,979,147 |

# XX. APPENDIX H – BENEFIT COST ANALYSIS DOCUMENTAION

FEMA | Benefit-Cost Calculator

V.6.0 (Build 20250108.0114 | Release Notes)

Benefit-Cost Analysis

Project Name: Invergordon Storm Drain

| Map Marker ▲ | Mitigation Title | Property Type | Hazard | Discount Rate (%) | Benefits (B) | Costs (C) | BCR (B/C) |
|---|---|---|---|---|---|---|---|
| 1 | Floodwater Diversion and Storage @ 33.5770080; -111.9800110 | | DFA - Riverine Flood | 3.1 | $ 18,722,793 | $ 6,072,476 | 3.08 |
| 2 | Drainage Improvement @ 33.5584120; -111.9433950 | | DFA - Riverine Flood | 3.1 | $ 23,293,796 | $ 11,616,355 | 2.01 |
| **TOTAL (SELECTED)** | | | | | **$ 42,016,589** | **$ 17,688,831** | **2.38** |
| **TOTAL** | | | | | **$ 42,016,589** | **$ 17,688,831** | **2.38** |

## Property Configuration

| | |
|---|---|
| **Property Title:** | Floodwater Diversion and Storage @ 33.5770080; -111.9800110 |
| **Property Location:** | 85028, Maricopa, Arizona |
| **Property Coordinates:** | 33.577008, -111.980011 |
| **Is this a tribal project?:** | No |
| **Hazard Type:** | Riverine Flood |
| **Mitigation Action Type:** | Floodwater Diversion and Storage |
| **Property Type:** | Residential Building |
| **Analysis Method Type:** | Professional Expected Damages |

## Cost Estimation

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | |
|---|---|
| **Discount Rate (%):** | 3.1% Use Default:Yes |
| **Project Useful Life (years):** | 75 |
| **Project Cost:** | $6,000,000 |
| **Number of Maintenance Years:** | 75 Use Default:Yes |
| **Annual Maintenance Cost:** | $2,500 |

## Damage Analysis Parameters - Damage Frequency Assessment

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | |
|---|---|
| **Year of Analysis was Conducted:** | 2025 |
| **Year Property was Built:** | 0 |
| **Analysis Duration:** | 10 Use Default:Yes |

## Professional Expected Damages Before Mitigation

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | OTHER | OPTIONAL DAMAGES | | | VOLUNTEER COSTS | | TOTAL |
|---|---|---|---|---|---|---|---|
| Recurrence Interval (years) | Damages ($) | Category 1 ($) | Category 2 ($) | Category 3 ($) | Number of Volunteers | Number of Days | Damages ($) |
| 100 | 68,424,130 | 0 | 0 | 0 | 0 | 0 | 68,424,130 |
| 10 | 51,107,020 | 0 | 0 | 0 | 0 | 0 | 51,107,020 |

## Annualized Damages Before Mitigation

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| Annualized Recurrence Interval (years) | Damages and Losses ($) | Annualized Damages and Losses ($) |
|---|---|---|
| 10 | 51,107,020 | 5,322,154 |
| 100 | 68,424,130 | 684,234 |
| | Sum Damages and Losses ($) | Sum Annualized Damages and Losses ($) |
| | 119,531,150 | 6,006,388 |

## Professional Expected Damages After Mitigation

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | OTHER | OPTIONAL DAMAGES | | | VOLUNTEER COSTS | | TOTAL |
|---|---|---|---|---|---|---|---|
| Recurrence Interval (years) | Damages ($) | Category 1 ($) | Category 2 ($) | Category 3 ($) | Number of Volunteers | Number of Days | Damages ($) |
| 100 | 60,716,150 | 0 | 0 | 0 | 0 | 0 | 60,716,150 |
| 10 | 51,009,466 | 0 | 0 | 0 | 0 | 0 | 51,009,466 |

## Annualized Damages After Mitigation

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| Annualized Recurrence Interval (years) | Damages and Losses ($) | Annualized Damages and Losses ($) |
|---|---|---|
| 10 | 51,009,466 | 5,008,642 |
| 100 | 60,716,150 | 607,155 |
| | Sum Damages and Losses ($) | Sum Annualized Damages and Losses ($) |
| | 111,725,616 | 5,615,797 |

## Standard Benefits - Ecosystem Services

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | |
|---|---|
| Total Project Area (sq.ft): | 174,240 |
| Percentage of Urban Green Open Space: | 100.00% |
| Percentage of Rural Green Open Space: | 0.00% |
| Percentage of Riparian: | 0.00% |
| Percentage of Coastal Wetlands: | 0.00% |
| Percentage of Inland Wetlands: | 0.00% |
| Percentage of Forests: | 0.00% |
| Percentage of Coral Reefs: | 0.00% |
| Percentage of Shellfish Reefs: | 0.00% |
| Percentage of Beaches and Dunes: | 0.00% |
| Expected Annual Ecosystem Services Benefits: | $62,164 |

## Additional Benefits - Social

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | |
|---|---|
| Number of Workers: | 410 |
| Expected Annual Social Benefits: | $5,597,235 |

## Benefits-Costs Summary

Floodwater Diversion and Storage @ 33.5770080; -111.9800110

| | |
|---|---|
| Discount Rate (%): | 3.1% Use Default:Yes |
| Total Standard Mitigation Benefits: | $13,125,558 |
| Total Social Benefits: | $5,597,235 |
| Total Mitigation Project Benefits: | $18,722,793 |
| Total Mitigation Project Cost: | $6,072,476 |
| Benefit Cost Ratio - Standard: | 2.16 |
| Benefit Cost Ratio - Standard + Social: | 3.08 |

## Property Configuration

| | |
|---|---|
| **Property Title:** | Drainage Improvement @ 33.5584120; -111.9433950 |
| **Property Location:** | 85253, Maricopa, Arizona |
| **Property Coordinates:** | 33.558412, -111.943395 |
| **Is this a tribal project?:** | No |
| **Hazard Type:** | Riverine Flood |
| **Mitigation Action Type:** | Drainage Improvement |
| **Property Type:** | Residential Building |
| **Analysis Method Type:** | Professional Expected Damages |

## Cost Estimation
Drainage Improvement @ 33.5584120; -111.9433950

| | |
|---|---|
| **Discount Rate (%):** | 3.1% Use Default:Yes |
| **Project Useful Life (years):** | 75 |
| **Project Cost:** | $11,543,879 |
| **Number of Maintenance Years:** | 75 Use Default:Yes |
| **Annual Maintenance Cost:** | $2,500 |

## Damage Analysis Parameters - Damage Frequency Assessment
Drainage Improvement @ 33.5584120; -111.9433950

| | |
|---|---|
| **Year of Analysis was Conducted:** | 2025 |
| **Year Property was Built:** | 0 |
| **Analysis Duration:** | 10 Use Default:Yes |

## Professional Expected Damages Before Mitigation
Drainage Improvement @ 33.5584120; -111.9433950

| | OTHER | OPTIONAL DAMAGES | | | VOLUNTEER COSTS | | TOTAL |
|---|---|---|---|---|---|---|---|
| Recurrence Interval (years) | Damages ($) | Category 1 ($) | Category 2 ($) | Category 3 ($) | Number of Volunteers | Number of Days | Damages ($) |
| 100 | 74,057,157 | 0 | 0 | 0 | 0 | 0 | 74,057,157 |
| 10 | 34,557,678 | 0 | 0 | 0 | 0 | 0 | 34,557,678 |

## Annualized Damages Before Mitigation
Drainage Improvement @ 33.5584120; -111.9433950

| Annualized Recurrence Interval (years) | Damages and Losses ($) | Annualized Damages and Losses ($) |
|---|---|---|
| 10 | 34,557,678 | 4,553,007 |
| 100 | 74,057,157 | 740,564 |
| | Sum Damages and Losses ($) | Sum Annualized Damages and Losses ($) |
| | 108,614,835 | 5,293,571 |

## Professional Expected Damages After Mitigation
Drainage Improvement @ 33.5584120; -111.9433950

| | OTHER | OPTIONAL DAMAGES | | | VOLUNTEER COSTS | | TOTAL |
|---|---|---|---|---|---|---|---|
| Recurrence Interval (years) | Damages ($) | Category 1 ($) | Category 2 ($) | Category 3 ($) | Number of Volunteers | Number of Days | Damages ($) |
| 100 | 69,521,281 | 0 | 0 | 0 | 0 | 0 | 69,521,281 |
| 10 | 32,335,631 | 0 | 0 | 0 | 0 | 0 | 32,335,631 |

## Annualized Damages After Mitigation
Drainage Improvement @ 33.5584120; -111.9433950

| Annualized Recurrence Interval (years) | Damages and Losses ($) | Annualized Damages and Losses ($) |
|---|---|---|
| 10 | 32,335,631 | 4,267,191 |
| 100 | 69,521,281 | 695,206 |
| | Sum Damages and Losses ($) | Sum Annualized Damages and Losses ($) |
| | 101,856,912 | 4,962,397 |

## Standard Benefits - Ecosystem Services
Drainage Improvement @ 33.5584120; -111.9433950

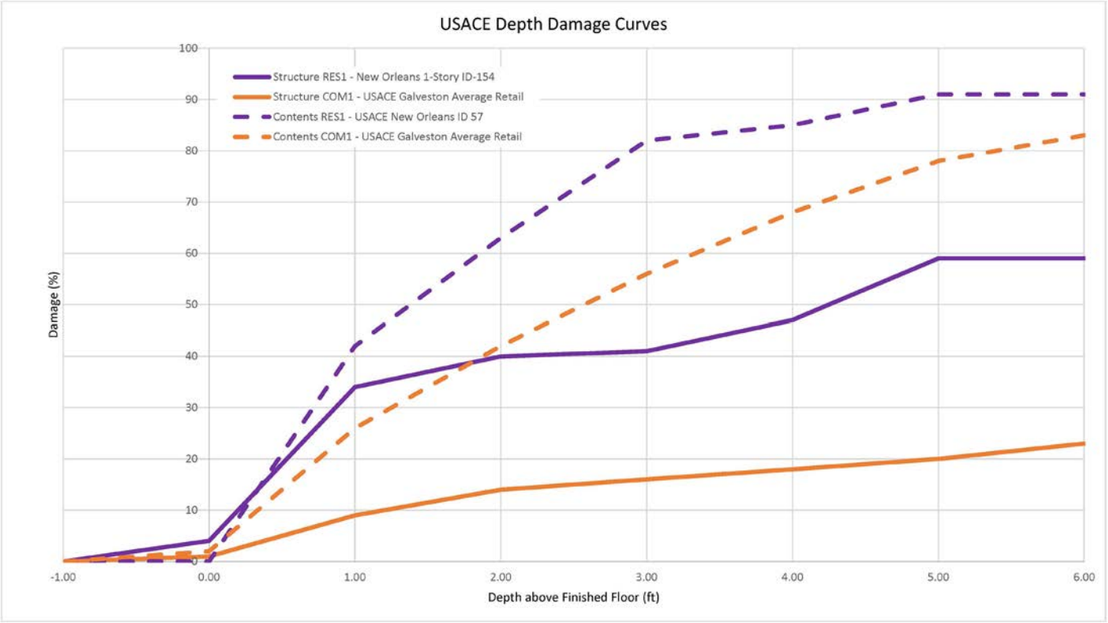
| | |
|---|---|
| **Total Project Area (acres):** | 26 |
| **Percentage of Urban Green Open Space:** | 100.00% |
| **Percentage of Rural Green Open Space:** | 0.00% |
| **Percentage of Riparian:** | 0.00% |
| **Percentage of Coastal Wetlands:** | 0.00% |
| **Percentage of Inland Wetlands:** | 0.00% |
| **Percentage of Forests:** | 0.00% |
| **Percentage of Coral Reefs:** | 0.00% |
| **Percentage of Shellfish Reefs:** | 0.00% |
| **Percentage of Beaches and Dunes:** | 0.00% |
| **Expected Annual Ecosystem Services Benefits:** | $404,066 |

## Additional Benefits - Social
Drainage Improvement @ 33.5584120; -111.9433950

| | |
|---|---|
| **Number of Workers:** | 165 |
| **Expected Annual Social Benefits:** | $1,978,900 |

Benefits-Costs Summary
Drainage Improvement @ 33.5584120; -111.9433950

| | | |
|---|---|---|
| Discount Rate (%): | 3.1% | Use Default:Yes |
| Total Standard Mitigation Benefits: | $21,314,896 | |
| Total Social Benefits: | $1,978,900 | |
| Total Mitigation Project Benefits: | $23,293,796 | |
| Total Mitigation Project Cost: | $11,616,355 | |
| Benefit Cost Ratio - Standard: | 1.83 | |
| Benefit Cost Ratio - Standard + Social: | 2.01 | |



## 10-Year and 100-Year Existing Building Damages in Area K

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 0 | 1372.7792 | 1373.029175 | Residential | 5062.750061 | $ 3,675,557 | $ 1,837,778 | 1372.830444 | -0.20 | 1372.829956 | -0.20 | 1372.834351 | -0.19 | 1372.834229 | -0.19 | 3.205076 | $ 117,804 | 0 | $ - | $ 117,804.38 | 3.220216 | $ 118,361 | 0 | $ - | $ 118,360.86 |
| 1 | 1371.6405 | 1371.890503 | Residential | 5114.190857 | $ 3,712,903 | $ 1,856,451 | 1371.667114 | -0.22 | 1371.670532 | -0.22 | 1371.717651 | -0.17 | 1371.717651 | -0.17 | 3.106444 | $ 115,339 | 0 | $ - | $ 115,339.24 | 3.308592 | $ 122,845 | 0 | $ - | $ 122,844.80 |
| 2 | 1367.0981 | 1367.348145 | Residential | 7006.825439 | $ 5,086,955 | $ 2,543,478 | 1367.262939 | -0.09 | 1367.262573 | -0.09 | 1367.392334 | 0.04 | 1367.224731 | -0.12 | 3.659176 | $ 186,141 | 0 | $ - | $ 186,140.65 | 3.506344 | $ 178,366 | 0 | $ - | $ 178,366.15 |
| 3 | 1374.369 | 1374.619019 | Residential | 5893.124573 | $ 4,278,408 | $ 2,139,204 | 1374.525391 | -0.09 | 1374.530029 | -0.09 | 1374.701172 | 0.08 | 1374.527344 | -0.09 | 3.63 | $ 155,113 | 0.00 | $ - | $ 155,113.18 | 3.63 | $ 155,447 | 23.90 | $ 511,310 | $ 666,756.92 |
| 4 | 1380.3344 | 1380.584351 | Residential | 14318.15601 | $ 10,394,981 | $ 5,197,491 | 1380.388672 | -0.20 | 1380.390015 | -0.19 | 1380.391846 | -0.19 | 1380.391846 | -0.19 | 3.217284 | $ 334,436 | 0 | $ - | $ 334,436.07 | 3.22998 | $ 335,756 | 0 | $ - | $ 335,755.82 |
| 5 | 1381.6091 | 1381.859131 | Residential | 8338.503479 | $ 6,053,754 | $ 3,026,877 | 1381.669556 | -0.19 | 1381.670044 | -0.19 | 1381.842529 | -0.02 | 1382.071655 | 0.21 | 3.24 | $ 196,245 | 0.00 | $ - | $ 196,244.53 | 10.38 | $ 628,121 | 0.00 | $ - | $ 628,120.52 |
| 6 | 1365.7844 | 1366.034424 | Residential | 5481.086914 | $ 3,979,269 | $ 1,989,635 | 1366.240723 | 0.21 | 1366.241211 | 0.21 | 1366.375732 | 0.34 | 1366.19458 | 0.16 | 10.19 | $ 405,447 | 8.66 | $ 172,393 | $ 577,839.57 | 8.80 | $ 350,362 | 11.48 | $ 228,395 | $ 578,757.00 |
| 7 | 1361.3544 | 1361.60437 | Residential | 6888.243347 | $ 5,000,865 | $ 2,500,432 | 1361.438843 | -0.17 | 1361.439941 | -0.16 | 1361.44165 | -0.16 | 1361.441772 | -0.16 | 3.34 | $ 166,923 | 0.00 | $ - | $ 166,923.46 | 3.35 | $ 167,509 | 35.35 | $ 883,911 | $ 1,051,420.75 |
| 8 | 1373.5814 | 1373.831421 | Residential | 6063.259277 | $ 4,401,926 | $ 2,200,963 | 1373.639404 | -0.19 | 1373.638428 | -0.19 | 1373.656982 | -0.17 | 1373.656982 | -0.17 | 3.23 | $ 142,267 | 0.00 | $ - | $ 142,267.26 | 3.30 | $ 145,362 | 35.21 | $ 774,888 | $ 920,250.74 |
| 9 | 1369.5145 | 1369.764526 | Residential | 4737.382507 | $ 3,439,340 | $ 1,719,670 | 1369.589478 | -0.18 | 1369.589966 | -0.17 | 1369.974854 | 0.21 | 1369.854858 | 0.09 | 3.30 | $ 113,492 | 0.00 | $ - | $ 113,491.61 | 6.71 | $ 230,778 | 40.52 | $ 696,869 | $ 927,647.66 |
| 10 | 1375.5907 | 1375.840698 | Residential | 6107.704834 | $ 4,434,194 | $ 2,217,097 | 1375.984009 | 0.14 | 1375.97998 | 0.14 | 1375.985352 | 0.14 | 1375.985352 | 0.14 | 8.29933 | $ 368,008 | 6.019062 | $ 133,448 | $ 501,456.80 | 8.33962 | $ 369,795 | 0 | $ - | $ 369,794.91 |
| 11 | 1359.4811 | 1359.731079 | Residential | 7633.545288 | $ 5,541,954 | $ 2,770,977 | 1359.544067 | -0.19 | 1359.540039 | -0.19 | 1359.545654 | -0.19 | 1359.545654 | -0.19 | 3.25 | $ 180,222 | 0.00 | $ - | $ 180,221.68 | 3.26 | $ 180,573 | 0.00 | $ - | $ 180,573.48 |
| 12 | 1349.402 | 1349.651978 | Residential | 12252.54138 | $ 8,895,345 | $ 4,447,673 | 1349.465942 | -0.19 | 1349.469971 | -0.18 | 1349.508179 | -0.14 | 1349.468506 | -0.18 | 3.26 | $ 289,620 | 0.00 | $ - | $ 289,619.63 | 3.27 | $ 290,532 | 27.88 | $ 1,240,028 | $ 1,530,559.54 |
| 13 | 1361.3274 | 1361.577393 | Residential | 670.759644 | $ 486,972 | $ 243,486 | 1361.39917 | -0.18 | 1361.403442 | -0.17 | 1361.462036 | -0.12 | 1361.462036 | -0.12 | 3.287108 | $ 16,007 | 0 | $ - | $ 16,007.28 | 3.538572 | $ 17,232 | 0 | $ - | $ 17,231.84 |
| 14 | 1371.7996 | 1372.049561 | Residential | 6368.654053 | $ 4,623,643 | $ 2,311,821 | 1371.908325 | -0.14 | 1371.910034 | -0.14 | 1371.910645 | -0.14 | 1371.910645 | -0.14 | 3.435056 | $ 158,825 | 0 | $ - | $ 158,824.72 | 3.444336 | $ 159,254 | 0 | $ - | $ 159,253.79 |
| 15 | 1378.1814 | 1378.431396 | Residential | 5794.169983 | $ 4,206,567 | $ 2,103,284 | 1378.244873 | -0.19 | 1378.24231 | -0.19 | 1378.333862 | -0.10 | 1378.259766 | -0.17 | 3.253908 | $ 136,878 | 0 | $ - | $ 136,877.83 | 3.31348 | $ 139,384 | 0 | $ - | $ 139,383.77 |
| 16 | 1358.1885 | 1358.438477 | Residential | 7644.869263 | $ 5,550,175 | $ 2,775,088 | 1358.328003 | -0.11 | 1358.329224 | -0.11 | 1358.330688 | -0.11 | 1358.330688 | -0.11 | 3.558104 | $ 197,481 | 0 | $ - | $ 197,481.00 | 3.568844 | $ 198,077 | 13.00707996 | $ 360,958 | $ 559,034.95 |
| 17 | 1365.3146 | 1365.564575 | Residential | 6809.630554 | $ 4,943,792 | $ 2,471,896 | 1365.397461 | -0.17 | 1365.400024 | -0.16 | 1365.399536 | -0.17 | 1365.399658 | -0.16 | 3.331544 | $ 164,705 | 0 | $ - | $ 164,704.60 | 3.340332 | $ 165,139 | 0 | $ - | $ 165,139.06 |
| 18 | 1379.1108 | 1379.36084 | Residential | 5093.971191 | $ 3,698,223 | $ 1,849,112 | 1379.271729 | -0.09 | 1379.27478 | -0.09 | 1379.27478 | -0.09 | 1379.274902 | -0.09 | 3.643556 | $ 134,747 | 0 | $ - | $ 134,746.83 | 3.656248 | $ 135,216 | 0 | $ - | $ 135,216.21 |
| 19 | 1378.9204 | 1379.17041 | Residential | 2066.832153 | $ 1,500,520 | $ 750,260 | 1378.949951 | -0.22 | 1378.947754 | -0.22 | 1378.994751 | -0.18 | 1378.994751 | -0.18 | 3.118164 | $ 46,789 | 0 | $ - | $ 46,788.68 | 3.297364 | $ 49,478 | 0 | $ - | $ 49,477.61 |
| 20 | 1363.8187 | 1364.068726 | Residential | 9950.357239 | $ 7,223,959 | $ 3,611,980 | 1363.894775 | -0.17 | 1363.890015 | -0.18 | 1363.896851 | -0.17 | 1363.896851 | -0.17 | 3.304196 | $ 238,694 | 0 | $ - | $ 238,693.78 | 3.3125 | $ 239,294 | 0 | $ - | $ 239,293.65 |
| 21 | 1359.7377 | 1359.987671 | Residential | 98.510803 | $ 71,519 | $ 35,759 | 1359.800293 | -0.19 | 1359.802612 | -0.19 | 1360.027832 | 0.04 | 1359.882813 | -0.10 | 3.250488 | $ 2,325 | 0 | $ - | $ 2,324.71 | 3.580568 | $ 2,561 | 0 | $ - | $ 2,560.78 |
| 22 | 1353.2081 | 1353.45813 | Residential | 1837.229675 | $ 1,333,829 | $ 666,914 | 1353.245239 | -0.21 | 1353.25 | -0.21 | 1353.318115 | -0.14 | 1353.247559 | -0.21 | 3.148436 | $ 41,995 | 0 | $ - | $ 41,994.74 | 3.157716 | $ 42,119 | 24.1428222 | $ 161,012 | $ 203,130.47 |
| 23 | 1353.9991 | 1354.249146 | Residential | 2561.5896 | $ 1,859,714 | $ 929,857 | 1354.064209 | -0.18 | 1354.060059 | -0.19 | 1354.065796 | -0.18 | 1354.065918 | -0.18 | 3.260252 | $ 60,631 | 0 | $ - | $ 60,631.36 | 3.267088 | $ 60,758 | 0 | $ - | $ 60,758.49 |
| 24 | 1376.0033 | 1376.253296 | Residential | 5004.554688 | $ 3,633,307 | $ 1,816,653 | 1376.087891 | -0.17 | 1376.089478 | -0.16 | 1376.089844 | -0.16 | 1376.089844 | -0.16 | 3.33838 | $ 121,294 | 0 | $ - | $ 121,293.58 | 3.346192 | $ 121,577 | 0 | $ - | $ 121,577.42 |
| 25 | 1366.6973 | 1366.947266 | Residential | 956.661987 | $ 694,537 | $ 347,268 | 1366.791504 | -0.16 | 1366.790039 | -0.16 | 1366.90979 | -0.04 | 1366.796265 | -0.15 | 3.38 | $ 23,454 | 0.00 | $ - | $ 23,454.17 | 3.40 | $ 23,586 | 0.00 | $ - | $ 23,586.44 |
| 26 | 1377.9141 | 1378.164063 | Residential | 272.638306 | $ 197,935 | $ 98,968 | 1377.926147 | -0.24 | 1377.927246 | -0.24 | 1377.952148 | -0.21 | 1377.965576 | -0.20 | 3.048336 | $ 6,034 | 0 | $ - | $ 6,033.74 | 3.206052 | $ 6,346 | 0 | $ - | $ 6,345.91 |
| 27 | 1359.7202 | 1359.970215 | Residential | 416.830383 | $ 302,619 | $ 151,309 | 1359.942627 | -0.03 | 1359.942261 | -0.03 | 1360.080933 | 0.11 | 1359.883057 | -0.09 | 3.89 | $ 11,771 | 0.00 | $ - | $ 11,770.81 | 3.65 | $ 11,050 | 0.00 | $ - | $ 11,049.73 |
| 28 | 1373.551 | 1373.801025 | Residential | 6621.999878 | $ 4,807,572 | $ 2,403,786 | 1373.600098 | -0.20 | 1373.599976 | -0.20 | 1373.670898 | -0.13 | 1373.695068 | -0.11 | 3.20 | $ 153,664 | 0.00 | $ - | $ 153,664.04 | 3.58 | $ 171,927 | 10.77 | $ 258,929 | $ 430,856.33 |
| 29 | 1376.4547 | 1376.704712 | Residential | 5605.584473 | $ 4,069,654 | $ 2,034,827 | 1376.563599 | -0.14 | 1376.560181 | -0.14 | 1376.62085 | -0.08 | 1376.62085 | -0.08 | 3.435548 | $ 139,815 | 0 | $ - | $ 139,814.93 | 3.664552 | $ 149,135 | 0 | $ - | $ 149,134.60 |
| 30 | 1350.1412 | 1350.391235 | Residential | 7004.17749 | $ 5,085,033 | $ 2,542,516 | 1350.164063 | -0.23 | 1350.166504 | -0.22 | 1350.671387 | 0.28 | 1350.452393 | 0.06 | 3.09 | $ 157,194 | 0.00 | $ - | $ 157,194.23 | 5.83 | $ 296,698 | 8.25 | $ 209,739 | $ 506,437.43 |
| 31 | 1349.6879 | 1349.937866 | Residential | 1574.908997 | $ 1,143,384 | $ 571,692 | 1349.755249 | -0.18 | 1349.76001 | -0.18 | 1349.999878 | 0.06 | 1349.757446 | -0.18 | 3.269532 | $ 37,383 | 0 | $ - | $ 37,383.30 | 3.27832 | $ 37,484 | 12.57641574 | $ 71,898 | $ 109,382.14 |
| 32 | 1351.7725 | 1352.022461 | Residential | 7068.87146 | $ 5,132,001 | $ 2,566,000 | 1352.024414 | 0.00 | 1352.02002 | 0.00 | 1352.026245 | 0.00 | 1352.026245 | 0.00 | 4.06 | $ 208,287 | 0.08 | $ 2,105 | $ 210,391.65 | 4.11 | $ 211,106 | 0.00 | $ - | $ 211,105.87 |
| 33 | 1361.1578 | 1361.407837 | Residential | 4317.881287 | $ 3,134,782 | $ 1,567,391 | 1361.28894 | -0.12 | 1361.291138 | -0.12 | 1361.297729 | -0.11 | 1361.293701 | -0.11 | 3.52 | $ 110,483 | 0.00 | $ - | $ 110,482.63 | 3.54 | $ 111,080 | 0.00 | $ - | $ 111,079.61 |
| 34 | 1380.4657 | 1380.715698 | Residential | 6718.879456 | $ 4,877,906 | $ 2,438,953 | 1380.545654 | -0.17 | 1380.550049 | -0.17 | 1380.547852 | -0.17 | 1380.675903 | -0.04 | 3.319824 | $ 161,938 | 0 | $ - | $ 161,937.91 | 3.84082 | $ 187,352 | 0 | $ - | $ 187,351.61 |
| 35 | 1352.3629 | 1352.612915 | Residential | 6026.699036 | $ 4,375,384 | $ 2,187,692 | 1352.395142 | -0.22 | 1352.400024 | -0.21 | 1352.397217 | -0.22 | 1352.397339 | -0.22 | 3.13 | $ 136,902 | 0.00 | $ - | $ 136,901.72 | 3.14 | $ 137,286 | 0.00 | $ - | $ 137,286.23 |
| 36 | 1364.9492 | 1365.199219 | Residential | 1969.893005 | $ 1,430,142 | $ 715,071 | 1365.000244 | -0.20 | 1365 | -0.20 | 1365.01001 | -0.19 | 1365.003052 | -0.20 | 3.2041 | $ 45,823 | 0 | $ - | $ 45,823.19 | 3.215332 | $ 45,984 | 0 | $ - | $ 45,983.82 |
| 37 | 1382.2072 | 1382.457153 | Residential | 12305.99646 | $ 8,934,153 | $ 4,467,077 | 1382.286987 | -0.17 | 1382.290039 | -0.17 | 1382.28894 | -0.17 | 1382.289063 | -0.17 | 3.319336 | $ 296,555 | 0 | $ - | $ 296,554.57 | 3.32764 | $ 297,296 | 0 | $ - | $ 297,296.46 |
| 38 | 1377.7423 | 1377.99231 | Residential | 5902.526306 | $ 4,285,234 | $ 2,142,617 | 1377.985107 | -0.01 | 1377.98999 | 0.00 | 1377.98645 | -0.01 | 1377.98645 | -0.01 | 3.971188 | $ 170,175 | 0 | $ - | $ 170,174.70 | 3.97656 | $ 170,405 | 0 | $ - | $ 170,404.91 |
| 39 | 1368.6111 | 1368.861084 | Residential | 5975.38501 | $ 4,338,130 | $ 2,169,065 | 1368.935913 | 0.07 | 1368.930054 | 0.07 | 1369.276367 | 0.42 | 1369.043823 | 0.18 | 6.24487 | $ 270,911 | 3.142818 | $ 68,170 | $ 339,080.31 | 9.48217 | $ 411,349 | 0 | $ - | $ 411,348.82 |
| 40 | 1358.2589 | 1358.508911 | Residential | 758.56012 | $ 550,715 | $ 275,357 | 1358.344971 | -0.16 | 1358.339966 | -0.17 | 1358.346558 | -0.16 | 1358.346558 | -0.16 | 3.34 | $ 18,417 | 0.00 | $ - | $ 18,417.22 | 3.35 | $ 18,452 | 0.00 | $ - | $ 18,452.18 |
| 41 | 1365.7938 | 1366.043823 | Residential | 5147.26416 | $ 3,736,914 | $ 1,868,457 | 1365.838989 | -0.20 | 1365.839966 | -0.20 | 1365.861206 | -0.18 | 1365.849609 | -0.19 | 3.18 | $ 118,859 | 0.00 | $ - | $ 118,858.67 | 3.22 | $ 120,446 | 5.05 | $ 94,358 | $ 214,804.10 |
| 42 | 1362.7766 | 1363.026611 | Residential | 8623.175049 | $ 6,260,425 | $ 3,130,213 | 1362.801392 | -0.23 | 1362.800049 | -0.23 | 1362.804321 | -0.22 | 1362.804443 | -0.22 | 3.10 | $ 194,018 | 0.00 | $ - | $ 194,018.34 | 3.11 | $ 194,782 | 0.00 | $ - | $ 194,782.36 |
| 43 | 1362.8351 | 1363.085083 | Residential | 5379.317261 | $ 3,905,384 | $ 1,952,692 | 1362.961548 | -0.12 | 1362.95874 | -0.13 | 1363.098022 | 0.01 | 1362.971558 | -0.11 | 3.50586 | $ 136,917 | 0 | $ - | $ 136,917.31 | 3.5459 | $ 138,481 | 0 | $ - | $ 138,481.02 |
| 44 | 1373.3346 | 1373.584595 | Residential | 437.73584 | $ 317,796 | $ 158,898 | 1373.473999 | -0.11 | 1373.469971 | -0.11 | 1373.475342 | -0.11 | 1373.475342 | -0.11 | 3.557616 | $ 11,306 | 0 | $ - | $ 11,305.97 | 3.562988 | $ 11,323 | 3.54785172 | $ 5,637 | $ 16,960.51 |
| 45 | 1367.9971 | 1368.24707 | Residential | 7428.078186 | $ 5,392,785 | $ 2,696,392 | 1368.196655 | -0.05 | 1368.199951 | -0.05 | 1368.19873 | -0.05 | 1368.19873 | -0.05 | 3.80 | $ 204,836 | 0.00 | $ - | $ 204,836.30 | 3.81 | $ 205,284 | 0.00 | $ - | $ 205,283.90 |
| 46 | 1374.6667 | 1374.916748 | Residential | 4881.761841 | $ 3,544,159 | $ 1,772,080 | 1374.991455 | 0.07 | 1374.98999 | 0.07 | 1374.994629 | 0.08 | 1374.994507 | 0.08 | 6.24121 | $ 221,198 | 3.137694 | $ 55,602 | $ 276,800.85 | 6.33277 | $ 224,443 | 0 | $ - | $ 224,443.44 |
| 47 | 1378.6304 | 1378.880371 | Residential | 5232.306396 | $ 3,798,654 | $ 1,899,327 | 1378.724121 | -0.16 | 1378.725098 | -0.16 | 1379.14209 | 0.26 | 1378.995605 | 0.12 | 3.38 | $ 128,205 | 0.00 | $ - | $ 128,204.59 | 7.46 | $ 283,266 | 0.00 | $ - | $ 283,266.42 |
| 48 | 1377.9553 | 1378.205322 | Residential | 6055.227417 | $ 4,396,095 | $ 2,198,048 | 1378.011475 | -0.19 | 1378.012817 | -0.19 | 1378.015869 | -0.19 | 1378.015869 | -0.19 | 3.224612 | $ 141,757 | 0 | $ - | $ 141,757.01 | 3.242188 | $ 142,530 | 1.7021487 | $ 37,414 | $ 179,943.71 |
| 49 | 1376.8622 | 1377.112183 | Residential | 371.322083 | $ 269,580 | $ 134,790 | 1376.894043 | -0.22 | 1376.893188 | -0.22 | 1376.96582 | -0.15 | 1376.980103 | -0.13 | 3.12744 | $ 8,431 | 0 | $ - | $ 8,430.95 | 3.47168 | $ 9,359 | 0 | $ - | $ 9,358.95 |
| 50 | 1371.5935 | 1371.843506 | Residential | 3883.120056 | $ 2,819,145 | $ 1,409,573 | 1371.657227 | -0.19 | 1371.65564 | -0.19 | 1371.91626 | 0.07 | 1371.827026 | -0.02 | 3.25 | $ 91,760 | 0.00 | $ - | $ 91,759.90 | 3.93 | $ 110,907 | 32.30 | $ 455,289 | $ 566,196.62 |
| 51 | 1367.6451 | 1367.895142 | Residential | 8502.347534 | $ 6,172,704 | $ 3,086,352 | 1367.70874 | -0.19 | 1367.709961 | -0.19 | 1367.711426 | -0.18 | 1367.711426 | -0.18 | 3.25 | $ 200,884 | 0.00 | $ - | $ 200,884.00 | 3.27 | $ 201,547 | 13.27 | $ 409,673 | $ 611,219.75 |
| 52 | 1360.0182 | 1360.268188 | Residential | 11716.17969 | $ 8,505,946 | $ 4,252,973 | 1360.080688 | -0.19 | 1360.079956 | -0.19 | 1360.084106 | -0.18 | 1360.083984 | -0.18 | 3.25 | $ 276,443 | 0.00 | $ - | $ 276,443.26 | 3.26 | $ 277,565 | 0.00 | $ - | $ 277,564.68 |
| 53 | 1376.1908 | 1376.440796 | Residential | 4086.243103 | $ 2,966,612 | $ 1,483,306 | 1376.506836 | 0.07 | 1376.51001 | 0.07 | 1376.508789 | 0.07 | 1376.508789 | 0.07 | 5.9812 | $ 177,439 | 2.77368 | $ 41,142 | $ 218,581.20 | 6.03979 | $ 179,177 | 0 | $ - | $ 179,177.16 |
| 54 | 1386.9077 | 1387.157715 | Residential | 5026.592773 | $ 3,649,306 | $ 1,824,653 | 1387.001099 | -0.16 | 1387.00061 | -0.16 | 1387.004517 | -0.15 | 1387.004517 | -0.15 | 3.373536 | $ 123,111 | 0 | $ - | $ 123,110.66 | 3.387208 | $ 123,610 | 0 | $ - | $ 123,609.60 |
| 55 | 1376.2891 | 1376.539063 | Residential | 3620.247864 | $ 2,628,300 | $ 1,314,150 | 1376.426147 | -0.11 | 1376.426758 | -0.11 | 1376.470703 | -0.07 | 1376.470703 | -0.07 | 3.55 | $ 93,261 | 0.00 | $ - | $ 93,260.91 | 3.73 | $ 97,945 | 0.00 | $ - | $ 97,945.17 |
| 56 | 1377.2733 | 1377.523315 | Residential | 4993.57019 | $ 3,625,332 | $ 1,812,666 | 1377.564087 | 0.04 | 1377.560059 | 0.04 | 1377.56543 | 0.04 | 1377.56543 | 0.04 | 5.22 | $ 189,357 | 1.71 | $ 31,041 | $ 220,397.42 | 5.26 | $ 190,818 | 12.67 | $ 229,641 | $ 420,458.77 |
| 57 | 1351.041 | 1351.291016 | Residential | 10962.42029 | $ 7,958,717 | $ 3,979,359 | 1351.105469 | -0.19 | 1351.109985 | -0.18 | 1351.107666 | -0.18 | 1351.107544 | -0.18 | 3.26 | $ 259,280 | 0.00 | $ - | $ 259,280.04 | 3.27 | $ 259,941 | 0.00 | $ - | $ 259,940.62 |
| 58 | 1372.4613 | 1372.711304 | Residential | 5823.487061 | $ 4,227,852 | $ 2,113,926 | 1372.55835 | -0.15 | 1372.560059 | -0.15 | 1372.716797 | 0.01 | 1372.560547 | -0.15 | 3.388184 | $ 143,247 | 0 | $ - | $ 143,247.39 | 3.396972 | $ 143,619 | 0 | $ - | $ 143,618.94 |
| 59 | 1377.0377 | 1377.28772 | Residential | 6052.135376 | $ 4,393,850 | $ 2,196,925 | 1377.146973 | -0.14 | 1377.149902 | -0.14 | 1377.14978 | -0.14 | 1377.149902 | -0.14 | 3.437012 | $ 151,017 | 0 | $ - | $ 151,017.16 | 3.448728 | $ 151,532 | 0 | $ - | $ 151,531.94 |
| 60 | 1368.8978 | 1369.147827 | Residential | 6837.879822 | $ 4,964,301 | $ 2,482,150 | 1368.899658 | -0.25 | 1368.900024 | -0.25 | 1368.906616 | -0.24 | 1369.012573 | -0.14 | 3.007324 | $ 149,293 | 0 | $ - | $ 149,292.61 | 3.458984 | $ 171,714 | 0 | $ - | $ 171,714.37 |
| 61 | 1365.9777 | 1366.227661 | Residential | 548.647339 | $ 398,318 | $ 199,159 | 1366.057861 | -0.17 | 1366.061035 | -0.17 | 1366.203369 | -0.02 | 1366.046509 | -0.18 | 3.3208 | $ 13,227 | 0 | $ - | $ 13,227.34 | 3.275392 | $ 13,046 | 0 | $ - | $ 13,046.47 |
| 62 | 1365.65 | 1365.900024 | Residential | 6442.914001 | $ 4,677,556 | $ 2,338,778 | 1365.738403 | -0.16 | 1365.73999 | -0.16 | 1366.14502 | 0.24 | 1365.892334 | -0.01 | 3.35 | $ 156,863 | 0.00 | $ - | $ 156,862.57 | 3.97 | $ 185,663 | 14.43 | $ 337,421 | $ 523,084.63 |
| 63 | 1348.2711 | 1348.521118 | Residential | 624.433289 | $ 453,339 | $ 226,669 | 1348.405151 | -0.12 | 1348.409302 | -0.11 | 1349.341187 | 0.82 | 1348.980347 | 0.46 | 3.536132 | $ 16,031 | 0 | $ - | $ 16,030.65 | 17.77687 | $ 80,589 | 0 | $ - | $ 80,589.41 |
| 64 | 1379.9254 | 1380.175415 | Residential | 335.501648 | $ 243,574 | $ 121,787 | 1379.99353 | -0.18 | 1379.992065 | -0.18 | 1380.040283 | -0.14 | 1380.039917 | -0.14 | 3.27 | $ 7,971 | 0.00 | $ - | $ 7,970.87 | 3.46 | $ 8,423 | 0.00 | $ - | $ 8,422.82 |
| 65 | 1380.058 | 1380.307983 | Residential | 344.429138 | $ 250,056 | $ 125,028 | 1380.170776 | -0.14 | 1380.171509 | -0.14 | 1380.185059 | -0.12 | 1380.184814 | -0.12 | 3.451172 | $ 8,630 | 0.00 | $ - | $ 8,629.85 | 3.507324 | $ 8,770 | 0.00 | $ - | $ 8,770.26 |
| 66 | 1357.8719 | 1358.121948 | Residential | 1980.532898 | $ 1,437,867 | $ 718,933 | 1358.057495 | -0.06 | 1358.060059 | -0.06 | 1358.059692 | -0.06 | 1358.059692 | -0.06 | 3.74 | $ 53,808 | 0.00 | $ - | $ 53,807.68 | 3.75 | $ 53,934 | 0.00 | $ - | $ 53,934.04 |
| 67 | 1361.5636 | 1361.813599 | Residential | 6199.695374 | $ 4,500,979 | $ 2,250,489 | 1361.722046 | -0.09 | 1361.719971 | -0.09 | 1361.726318 | -0.09 | 1361.726196 | -0.09 | 3.633788 | $ 163,556 | 0 | $ - | $ 163,556.03 | 3.650388 | $ 164,303 | 0 | $ - | $ 164,303.19 |
| 68 | 1373.7996 | 1374.049561 | Residential | 4352.848328 | $ 3,160,168 | $ 1,580,084 | 1373.888428 | -0.16 | 1373.890015 | -0.16 | 1373.941406 | -0.11 | 1373.890869 | -0.16 | 3.36 | $ 106,038 | 0.00 | $ - | $ 106,038.42 | 3.37 | $ 106,347 | 0.27 | $ 4,213 | $ 110,559.51 |
| 69 | 1369.6515 | 1369.901489 | Residential | 7681.519775 | $ 5,576,783 | $ 2,788,392 | 1369.671997 | -0.23 | 1369.670044 | -0.23 | 1369.675293 | -0.23 | 1369.675293 | -0.23 | 3.082032 | $ 171,878 | 0 | $ - | $ 171,878.25 | 3.095216 | $ 172,613 | 4.28100582 | $ 119,371 | $ 291,984.70 |
| 70 | 1352.7987 | 1353.048706 | Residential | 4176.407654 | $ 3,032,072 | $ 1,516,036 | 1352.82373 | -0.22 | 1352.823853 | -0.22 | 1352.83374 | -0.21 | 1352.83374 | -0.21 | 3.100096 | $ 93,997 | 0 | $ - | $ 93,997.14 | 3.140136 | $ 95,211 | 0 | $ - | $ 95,211.18 |
| 71 | 1354.4823 | 1354.7323 | Residential | 5939.919373 | $ 4,312,381 | $ 2,156,191 | 1354.613403 | -0.12 | 1354.609985 | -0.12 | 1355.001953 | 0.27 | 1354.824707 | 0.09 | 3.52 | $ 151,986 | 0.00 | $ - | $ 151,986.09 | 6.77 | $ 292,044 | 0.00 | $ - | $ 292,043.53 |
| 72 | 1358.7681 | 1359.018066 | Residential | 5464.610229 | $ 3,967,307 | $ 1,983,654 | 1358.818237 | -0.20 | 1358.819946 | -0.20 | 1358.820557 | -0.20 | 1358.820557 | -0.20 | 3.200684 | $ 126,981 | 0 | $ - | $ 126,980.96 | 3.209964 | $ 127,349 | 0 | $ - | $ 127,349.13 |
| 73 | 1370.2661 | 1370.516113 | Residential | 7295.893555 | $ 5,296,819 | $ 2,648,409 | 1370.522339 | 0.01 | 1370.521484 | 0.01 | 1370.69751 | 0.18 | 1370.449707 | -0.07 | 4.19 | $ 221,766 | 0.26 | $ 6,925 | $ 228,691.53 | 3.73 | $ 197,803 | 0.00 | $ - | $ 197,803.13 |
| 74 | 1380.3362 | 1380.586182 | Residential | 4872.422913 | $ 3,537,379 | $ 1,768,690 | 1380.464111 | -0.12 | 1380.467407 | -0.12 | 1380.876343 | 0.29 | 1380.724731 | 0.14 | 3.511716 | $ 124,223 | 0.00 | $ - | $ 124,222.71 | 8.15647 | $ 288,525 | 0.00 | $ - | $ 288,525.26 |
| 75 | 1368.1411 | 1368.391113 | Residential | 6527.1745 | $ 4,738,729 | $ 2,369,364 | 1368.207275 | -0.18 | 1368.209961 | -0.18 | 1368.209473 | -0.18 | 1368.209351 | -0.18 | 3.26 | $ 154,703 | 0.00 | $ - | $ 154,702.81 | 3.27 | $ 155,096 | 16.67 | $ 394,919 | $ 550,015.43 |
| 76 | 1370.8282 | 1371.078247 | Residential | 7341.92395 | $ 5,330,237 | $ 2,665,118 | 1370.901245 | -0.18 | 1370.900024 | -0.18 | 1370.904541 | -0.17 | 1370.904663 | -0.17 | 3.291992 | $ 175,471 | 0 | $ - | $ 175,470.97 | 3.305664 | $ 176,200 | 0 | $ - | $ 176,199.72 |
| 77 | 1351.1089 | 1351.358887 | Residential | 7682.645386 | $ 5,577,601 | $ 2,788,800 | 1351.214355 | -0.14 | 1351.209961 | -0.15 | 1351.216187 | -0.14 | 1351.216064 | -0.14 | 3.421872 | $ 190,858 | 0 | $ - | $ 190,858.35 | 3.428708 | $ 191,240 | 0 | $ - | $ 191,239.64 |
| 78 | 1352.9404 | 1353.19043 | Residential | 359.594421 | $ 261,066 | $ 130,533 | 1353.207153 | 0.02 | 1353.199951 | 0.01 | 1353.580688 | 0.39 | 1353.317749 | 0.13 | 4.50169 | $ 11,752 | 0.702366 | $ 917 | $ 12,669.18 | 7.81957 | $ 20,414 | 6.88549806 | $ 8,988 | $ 29,402.04 |
| 79 | 1375.2893 | 1375.539307 | Residential | 5622.966309 | $ 4,082,274 | $ 2,041,137 | 1375.408813 | -0.13 | 1375.410034 | -0.13 | 1375.411865 | -0.13 | 1375.411987 | -0.13 | 3.478024 | $ 141,982 | 0 | $ - | $ 141,982.45 | 3.49072 | $ 142,501 | 0 | $ - | $ 142,500.74 |
| 80 | 1361.5787 | 1361.828735 | Residential | 4104.051453 | $ 2,979,541 | $ 1,489,771 | 1361.64856 | -0.18 | 1361.650024 | -0.18 | 1361.924194 | 0.10 | 1361.777954 | -0.05 | 3.28 | $ 97,708 | 0.00 | $ - | $ 97,708.10 | 3.80 | $ 113,129 | 0.00 | $ - | $ 113,129.49 |
| 81 | 1372.7191 | 1372.969116 | Residential | 5524.363342 | $ 4,010,688 | $ 2,005,344 | 1372.777466 | -0.19 | 1372.780029 | -0.19 | 1372.78186 | -0.19 | 1372.78186 | -0.19 | 3.2334 | $ 129,682 | 0 | $ - | $ 129,681.58 | 3.250976 | $ 130,386 | 0 | $ - | $ 130,386.50 |
| 82 | 1378.332 | 1378.582031 | Residential | 328.372437 | $ 238,398 | $ 119,199 | 1378.797852 | 0.22 | 1378.800049 | 0.22 | 1379.000732 | 0.42 | 1379.000732 | 0.42 | 10.47 | $ 24,971 | 9.06 | $ 10,805 | $ 35,776.14 | 16.56 | $ 39,481 | 5.30 | $ 6,319 | $ 45,800.30 |
| 83 | 1374.9072 | 1375.157227 | Residential | 5100.398376 | $ 3,702,889 | $ 1,851,445 | 1375.089478 | -0.07 | 1375.087524 | -0.07 | 1375.173706 | 0.02 | 1375.173706 | 0.02 | 3.729004 | $ 138,081 | 0 | $ - | $ 138,080.89 | 4.49437 | $ 166,422 | 0 | $ - | $ 166,421.54 |
| 84 | 1362.9548 | 1363.204834 | Residential | 8479.753967 | $ 6,156,301 | $ 3,078,151 | 1363.019775 | -0.19 | 1363.02002 | -0.18 | 1363.022827 | -0.18 | 1363.022827 | -0.18 | 3.26 | $ 200,681 | 0.00 | $ - | $ 200,680.90 | 3.27 | $ 201,432 | 0.00 | $ - | $ 201,432.46 |
| 85 | 1366.3226 | 1366.572632 | Residential | 2076.678772 | $ 1,507,669 | $ 753,834 | 1366.432617 | -0.14 | 1366.435669 | -0.14 | 1366.70752 | 0.13 | 1366.435059 | -0.14 | 3.43994 | $ 51,863 | 0 | $ - | $ 51,862.90 | 3.449708 | $ 52,010 | 0 | $ - | $ 52,010.17 |
| 86 | 1352.7321 | 1352.982056 | Residential | 5563.624268 | $ 4,039,191 | $ 2,019,596 | 1352.796631 | -0.19 | 1352.800049 | -0.18 | 1352.940308 | -0.04 | 1352.799561 | -0.18 | 3.2583 | $ 131,609 | 0 | $ - | $ 131,608.97 | 3.27002 | $ 132,082 | 0 | $ - | $ 132,082.36 |
| 87 | 1367.7133 | 1367.963257 | Residential | 4968.399292 | $ 3,607,058 | $ 1,803,529 | 1367.959106 | 0.00 | 1367.960571 | 0.00 | 1368.091064 | 0.13 | 1367.916382 | -0.05 | 3.98 | $ 143,683 | 0.00 | $ - | $ 143,683.40 | 3.81 | $ 137,519 | 0.00 | $ - | $ 137,519.08 |
| 88 | 1361.6323 | 1361.882324 | Residential | 797.473267 | $ 578,966 | $ 289,483 | 1361.7677 | -0.11 | 1361.77002 | -0.11 | 1361.769897 | -0.11 | 1361.769897 | -0.11 | 3.541504 | $ 20,504 | 0 | $ - | $ 20,504.09 | 3.550292 | $ 20,555 | 0 | $ - | $ 20,554.97 |
| 89 | 1363.135 | 1363.38501 | Residential | 8303.006226 | $ 6,027,983 | $ 3,013,991 | 1363.190308 | -0.19 | 1363.189941 | -0.20 | 1363.193359 | -0.19 | 1363.193359 | -0.19 | 3.22 | $ 194,173 | 0.00 | $ - | $ 194,172.89 | 3.23 | $ 194,909 | 0.00 | $ - | $ 194,908.55 |
| 90 | 1366.2108 | 1366.460815 | Residential | 4910.555115 | $ 3,565,063 | $ 1,782,532 | 1366.218384 | -0.24 | 1366.220825 | -0.24 | 1366.294312 | -0.17 | 1366.241577 | -0.22 | 3.030276 | $ 108,031 | 0 | $ - | $ 108,031.25 | 3.123048 | $ 111,339 | 0 | $ - | $ 111,338.63 |
| 91 | 1368.8278 | 1369.077759 | Residential | 6629.62793 | $ 4,813,110 | $ 2,406,555 | 1368.94104 | -0.14 | 1368.939941 | -0.14 | 1368.944092 | -0.13 | 1368.944214 | -0.13 | 3.453124 | $ 166,203 | 0 | $ - | $ 166,202.65 | 3.46582 | $ 166,814 | 0 | $ - | $ 166,813.72 |
| 92 | 1374.304 | 1374.553955 | Residential | 5484.503662 | $ 3,981,750 | $ 1,990,875 | 1374.360107 | -0.19 | 1374.359985 | -0.19 | 1374.363159 | -0.19 | 1374.363037 | -0.19 | 3.22 | $ 128,396 | 0.00 | $ - | $ 128,395.82 | 3.24 | $ 128,862 | 0.00 | $ - | $ 128,862.48 |
| 93 | 1354.0405 | 1354.290527 | Residential | 7800.228271 | $ 5,662,966 | $ 2,831,483 | 1354.07605 | -0.21 | 1354.079956 | -0.21 | 1354.078491 | -0.21 | 1354.078369 | -0.21 | 3.142092 | $ 177,936 | 0 | $ - | $ 177,935.59 | 3.151368 | $ 178,461 | 0 | $ - | $ 178,460.89 |
| 94 | 1364.1387 | 1364.388672 | Residential | 9319.309509 | $ 6,765,819 | $ 3,382,909 | 1364.178955 | -0.21 | 1364.180054 | -0.21 | 1364.295898 | -0.09 | 1364.261353 | -0.13 | 3.16 | $ 213,876 | 0.00 | $ - | $ 213,876.46 | 3.49 | $ 236,176 | 0.45 | $ 15,263 | $ 251,438.80 |
| 95 | 1362.6045 | 1362.854492 | Residential | 143.450073 | $ 104,145 | $ 52,072 | 1362.984863 | 0.13 | 1362.980347 | 0.13 | 1362.987305 | 0.13 | 1362.987427 | 0.13 | 7.91 | $ 8,239 | 5.48 | $ 2,851 | $ 11,090.29 | 7.99 | $ 8,319 | 19.39 | $ 10,097 | $ 18,416.04 |
| 96 | 1361.0277 | 1361.27771 | Residential | 5807.243103 | $ 4,216,058 | $ 2,108,029 | 1361.062378 | -0.22 | 1361.060059 | -0.22 | 1361.230591 | -0.05 | 1361.197632 | -0.08 | 3.14 | $ 132,328 | 0.00 | $ - | $ 132,328.25 | 3.68 | $ 155,138 | 0.00 | $ - | $ 155,137.80 |
| 97 | 1379.2681 | 1379.518066 | Residential | 5512.254822 | $ 4,001,897 | $ 2,000,949 | 1379.418945 | -0.10 | 1379.419434 | -0.10 | 1379.574341 | 0.06 | 1379.704102 | 0.19 | 3.603516 | $ 144,209 | 0.00 | $ - | $ 144,209.00 | 9.58108 | $ 383,425 | 0.00 | $ - | $ 383,424.95 |

## 10-Year and 100-Year Existing Building Damages in Area K

| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 1364.3967 | 1364.646729 | Residential | 1845.062622 | $ 1,339,515 | $ 669,758 | 1364.488159 | -0.16 | 1364.48999 | -0.16 | 1364.490356 | -0.16 | 1364.490356 | -0.16 |
| 99 | 1366.3516 | 1366.601563 | Residential | 4056.541199 | $ 2,945,049 | $ 1,472,524 | 1366.543823 | -0.06 | 1366.536987 | -0.06 | 1366.554199 | -0.05 | 1366.554199 | -0.05 |
| 100 | 1358.9648 | 1359.214844 | Residential | 5029.624146 | $ 3,651,507 | $ 1,825,754 | 1359.262451 | 0.05 | 1359.267212 | 0.05 | 1359.26416 | 0.05 | 1359.26416 | 0.05 |
| 101 | 1374.8926 | 1375.142578 | Residential | 9085.493774 | $ 6,596,068 | $ 3,298,034 | 1375.06897 | -0.07 | 1375.073853 | -0.07 | 1375.071899 | -0.07 | 1375.071777 | -0.07 |
| 102 | 1371.8109 | 1372.060913 | Residential | 4668.850098 | $ 3,389,585 | $ 1,694,793 | 1371.834229 | -0.23 | 1371.838379 | -0.22 | 1371.838257 | -0.22 | 1371.838257 | -0.22 |
| 103 | 1374.249 | 1374.499023 | Residential | 6966.036255 | $ 5,057,342 | $ 2,528,671 | 1374.279785 | -0.22 | 1374.280029 | -0.22 | 1374.282715 | -0.22 | 1374.282715 | -0.22 |
| 104 | 1353.7365 | 1353.98645 | Residential | 6619.511108 | $ 4,805,765 | $ 2,402,883 | 1353.776123 | -0.21 | 1353.780029 | -0.21 | 1353.778442 | -0.21 | 1353.778442 | -0.21 |
| 105 | 1363.4548 | 1363.704834 | Residential | 8842.429199 | $ 6,419,604 | $ 3,209,802 | 1364.171265 | 0.47 | 1364.170044 | 0.47 | 1364.463501 | 0.76 | 1364.036011 | 0.33 |
| 106 | 1363.5942 | 1363.844238 | Residential | 1209.473938 | $ 878,078 | $ 439,039 | 1363.675049 | -0.17 | 1363.670044 | -0.17 | 1363.677856 | -0.17 | 1363.677856 | -0.17 |
| 107 | 1364.436 | 1364.686035 | Residential | 4979.980835 | $ 3,615,466 | $ 1,807,733 | 1364.669312 | -0.02 | 1364.665771 | -0.02 | 1364.670898 | -0.02 | 1364.670898 | -0.02 |
| 108 | 1352.4829 | 1352.73291 | Residential | 5092.605652 | $ 3,697,232 | $ 1,848,616 | 1352.545166 | -0.19 | 1352.550049 | -0.18 | 1352.547241 | -0.19 | 1352.547241 | -0.19 |
| 109 | 1349.7738 | 1350.023804 | Residential | 10592.73084 | $ 7,690,323 | $ 3,845,161 | 1349.815918 | -0.21 | 1349.819946 | -0.20 | 1349.818359 | -0.21 | 1349.818359 | -0.21 |
| 110 | 1356.3748 | 1356.624756 | Residential | 7430.694946 | $ 5,394,685 | $ 2,697,342 | 1356.497437 | -0.13 | 1356.5 | -0.12 | 1356.499512 | -0.13 | 1356.499512 | -0.13 |
| 111 | 1349.6604 | 1349.9104 | Residential | 12568.94641 | $ 9,125,055 | $ 4,562,528 | 1349.750366 | -0.16 | 1349.747437 | -0.16 | 1349.757935 | -0.15 | 1349.752686 | -0.16 |
| 112 | 1369.8452 | 1370.095215 | Residential | 474.788452 | $ 344,696 | $ 172,348 | 1369.938599 | -0.16 | 1369.93689 | -0.16 | 1369.944946 | -0.15 | 1369.944946 | -0.15 |
| 113 | 1380.3524 | 1380.602417 | Residential | 6280.325745 | $ 4,559,516 | $ 2,279,758 | 1380.448242 | -0.15 | 1380.449951 | -0.15 | 1380.450562 | -0.15 | 1380.450562 | -0.15 |
| 114 | 1377.1196 | 1377.369629 | Residential | 5297.63031 | $ 3,846,080 | $ 1,923,040 | 1377.239258 | -0.13 | 1377.23999 | -0.13 | 1377.242188 | -0.13 | 1377.242188 | -0.13 |
| 115 | 1366.8071 | 1367.057129 | Residential | 7888.129822 | $ 5,726,782 | $ 2,863,391 | 1366.859985 | -0.20 | 1366.859985 | -0.20 | 1366.862915 | -0.19 | 1366.862915 | -0.19 |
| 116 | 1360.8243 | 1361.074341 | Residential | 7805.948669 | $ 5,667,119 | $ 2,833,559 | 1360.955811 | -0.12 | 1360.959961 | -0.11 | 1361.056763 | -0.02 | 1360.95874 | -0.12 |
| 117 | 1364.4938 | 1364.743774 | Residential | 5855.000854 | $ 4,250,731 | $ 2,125,365 | 1364.699463 | -0.04 | 1364.699951 | -0.04 | 1364.702148 | -0.04 | 1364.702148 | -0.04 |
| 118 | 1360.4812 | 1360.731201 | Residential | 219.949097 | $ 159,683 | $ 79,842 | 1360.793945 | 0.06 | 1360.790039 | 0.06 | 1360.794067 | 0.06 | 1360.794189 | 0.06 |
| 119 | 1351.2076 | 1351.457642 | Residential | 5547.851379 | $ 4,027,740 | $ 2,013,870 | 1351.428955 | -0.03 | 1351.425171 | -0.03 | 1351.431519 | -0.03 | 1351.431396 | -0.03 |
| 120 | 1374.8663 | 1375.116333 | Residential | 6444.857483 | $ 4,678,967 | $ 2,339,483 | 1374.929321 | -0.19 | 1374.930054 | -0.19 | 1374.932129 | -0.18 | 1374.932251 | -0.18 |
| 121 | 1363.498 | 1363.748047 | Residential | 212.195068 | $ 154,054 | $ 77,027 | 1363.517334 | -0.23 | 1363.517944 | -0.23 | 1363.666992 | -0.08 | 1363.631226 | -0.12 |
| 122 | 1368.4139 | 1368.66394 | Residential | 6069.277893 | $ 4,406,296 | $ 2,203,148 | 1368.446289 | -0.22 | 1368.445923 | -0.22 | 1368.67981 | 0.02 | 1368.450195 | -0.21 |
| 123 | 1381.0881 | 1381.338135 | Residential | 6044.557678 | $ 4,388,349 | $ 2,194,174 | 1381.179443 | -0.16 | 1381.180054 | -0.16 | 1381.366333 | 0.03 | 1381.182739 | -0.16 |
| 124 | 1379.9611 | 1380.21106 | Residential | 5559.381653 | $ 4,036,111 | $ 2,018,056 | 1380.097168 | -0.11 | 1380.095825 | -0.12 | 1380.099243 | -0.11 | 1380.099243 | -0.11 |
| 125 | 1361.5222 | 1361.772217 | Residential | 5136.399902 | $ 3,729,026 | $ 1,864,513 | 1361.562622 | -0.21 | 1361.560059 | -0.21 | 1361.609375 | -0.16 | 1361.608765 | -0.16 |
| 126 | 1349.9539 | 1350.203857 | Residential | 11645.22498 | $ 8,454,433 | $ 4,227,217 | 1350.02478 | -0.18 | 1350.02002 | -0.18 | 1350.026855 | -0.18 | 1350.026855 | -0.18 |
| 127 | 1357.042 | 1357.291992 | Residential | 3812.569763 | $ 2,767,926 | $ 1,383,963 | 1357.216553 | -0.08 | 1357.219971 | -0.07 | 1357.218506 | -0.07 | 1357.218506 | -0.07 |
| 128 | 1363.7706 | 1364.02063 | Residential | 246.767029 | $ 179,153 | $ 89,576 | 1363.825928 | -0.19 | 1363.829956 | -0.19 | 1363.828491 | -0.19 | 1363.828491 | -0.19 |
| 129 | 1377.3176 | 1377.567627 | Residential | 3762.542786 | $ 2,731,606 | $ 1,365,803 | 1377.35437 | -0.21 | 1377.349976 | -0.22 | 1377.857666 | 0.29 | 1377.634277 | 0.07 |
| 130 | 1362.1476 | 1362.397583 | Residential | 5020.589172 | $ 3,644,948 | $ 1,822,474 | 1362.411865 | 0.01 | 1362.410034 | 0.01 | 1362.727783 | 0.33 | 1362.316406 | -0.08 |
| 131 | 1376.2094 | 1376.459351 | Residential | 5212.982361 | $ 3,784,625 | $ 1,892,313 | 1376.260254 | -0.20 | 1376.260864 | -0.20 | 1376.271851 | -0.19 | 1376.271851 | -0.19 |
| 132 | 1379.1615 | 1379.411499 | Residential | 400.356567 | $ 290,659 | $ 145,329 | 1379.424072 | 0.01 | 1379.421387 | 0.01 | 1379.488525 | 0.08 | 1379.488281 | 0.08 |
| 133 | 1361.2078 | 1361.457764 | Residential | 4320.113953 | $ 3,136,403 | $ 1,568,201 | 1361.42041 | -0.04 | 1361.420044 | -0.04 | 1361.433716 | -0.02 | 1361.42334 | -0.03 |
| 134 | 1362.6445 | 1362.894531 | Residential | 3840.690247 | $ 2,788,341 | $ 1,394,171 | 1362.80603 | -0.09 | 1362.805054 | -0.09 | 1362.809204 | -0.09 | 1362.809326 | -0.09 |
| 135 | 1378.0864 | 1378.336426 | Residential | 326.96106 | $ 237,374 | $ 118,687 | 1378.312134 | -0.02 | 1378.309937 | -0.03 | 1378.373901 | 0.04 | 1378.371704 | 0.04 |
| 136 | 1364.1649 | 1364.414917 | Residential | 4181.148926 | $ 3,035,514 | $ 1,517,757 | 1364.769409 | 0.35 | 1364.77124 | 0.36 | 1364.967041 | 0.55 | 1364.687012 | 0.27 |
| 137 | 1360.8499 | 1361.099854 | Residential | 4583.988647 | $ 3,327,976 | $ 1,663,988 | 1360.899902 | -0.20 | 1360.900024 | -0.20 | 1361.072632 | -0.03 | 1360.932739 | -0.17 |
| 138 | 1368.3804 | 1368.630371 | Residential | 8776.445618 | $ 6,371,700 | $ 3,185,850 | 1368.661865 | 0.03 | 1368.660034 | 0.03 | 1368.665161 | 0.03 | 1368.665161 | 0.03 |
| 139 | 1353.156 | 1353.406006 | Residential | 323.715698 | $ 235,018 | $ 117,509 | 1353.186035 | -0.22 | 1353.189941 | -0.22 | 1353.190063 | -0.22 | 1353.188965 | -0.22 |
| 140 | 1378.5293 | 1378.779297 | Residential | 5263.701416 | $ 3,821,447 | $ 1,910,724 | 1378.623413 | -0.16 | 1378.624146 | -0.16 | 1378.66626 | -0.11 | 1378.677856 | -0.10 |
| 141 | 1379.809 | 1380.05896 | Residential | 7932.297974 | $ 5,758,848 | $ 2,879,424 | 1380.026367 | -0.03 | 1380.030029 | -0.03 | 1380.028198 | -0.03 | 1380.028198 | -0.03 |
| 142 | 1371.869 | 1372.119019 | Residential | 4879.887024 | $ 3,542,798 | $ 1,771,399 | 1372.077759 | -0.04 | 1372.077759 | -0.04 | 1372.083496 | -0.04 | 1372.081787 | -0.04 |
| 143 | 1378.5239 | 1378.773926 | Residential | 188.311951 | $ 136,714 | $ 68,357 | 1378.562744 | -0.21 | 1378.566528 | -0.21 | 1378.578857 | -0.20 | 1378.578735 | -0.20 |
| 144 | 1375.1558 | 1375.405762 | Residential | 4700.561829 | $ 3,412,608 | $ 1,706,304 | 1375.356201 | -0.05 | 1375.359985 | -0.05 | 1375.710083 | 0.30 | 1375.35791 | -0.05 |
| 145 | 1364.0173 | 1364.267334 | Residential | 263.903442 | $ 191,594 | $ 95,797 | 1364.084961 | -0.18 | 1364.079956 | -0.19 | 1364.11499 | -0.15 | 1364.086426 | -0.18 |
| 146 | 1361.9521 | 1362.202148 | Residential | 5469.552246 | $ 3,970,895 | $ 1,985,447 | 1362.174438 | -0.03 | 1362.178223 | -0.02 | 1362.365112 | 0.16 | 1362.176025 | -0.03 |
| 147 | 1361.5681 | 1361.818115 | Residential | 5371.711365 | $ 3,899,862 | $ 1,949,931 | 1361.999634 | 0.18 | 1361.995728 | 0.18 | 1362.157593 | 0.34 | 1361.909668 | 0.09 |
| 148 | 1376.0001 | 1376.250122 | Residential | 4847.492981 | $ 3,519,280 | $ 1,759,640 | 1376.239746 | -0.01 | 1376.24292 | -0.01 | 1376.241943 | -0.01 | 1376.241943 | -0.01 |
| 149 | 1376.4144 | 1376.664429 | Residential | 5930.882202 | $ 4,305,820 | $ 2,152,910 | 1376.478149 | -0.19 | 1376.47998 | -0.18 | 1376.766724 | 0.10 | 1376.542114 | -0.12 |
| 150 | 1372.437 | 1372.687012 | Residential | 5813.009705 | $ 4,220,245 | $ 2,110,123 | 1372.519775 | -0.17 | 1372.52002 | -0.17 | 1372.522461 | -0.16 | 1372.522461 | -0.16 |
| 151 | 1387.2883 | 1387.53833 | Residential | 4486.418701 | $ 3,257,140 | $ 1,628,570 | 1387.536377 | 0.00 | 1387.540039 | 0.00 | 1387.53833 | 0.00 | 1387.53833 | 0.00 |
| 152 | 1375.7926 | 1376.042603 | Residential | 4326.913086 | $ 3,141,339 | $ 1,570,669 | 1375.835449 | -0.21 | 1375.839966 | -0.20 | 1376.119263 | 0.08 | 1375.941162 | -0.10 |
| 153 | 1367.1001 | 1367.350098 | Residential | 5923.343201 | $ 4,300,347 | $ 2,150,174 | 1367.170654 | -0.18 | 1367.170044 | -0.18 | 1367.174072 | -0.18 | 1367.174072 | -0.18 |
| 154 | 1378.0719 | 1378.321899 | Residential | 5311.497314 | $ 3,856,147 | $ 1,928,074 | 1378.216553 | -0.11 | 1378.219971 | -0.10 | 1378.218384 | -0.10 | 1378.218384 | -0.10 |
| 155 | 1380.4923 | 1380.74231 | Residential | 2746.666016 | $ 1,994,080 | $ 997,040 | 1380.633667 | -0.11 | 1380.62915 | -0.11 | 1380.637695 | -0.10 | 1380.638184 | -0.10 |
| 156 | 1373.4617 | 1373.71167 | Residential | 6659.882751 | $ 4,835,075 | $ 2,417,537 | 1373.625244 | -0.09 | 1373.630005 | -0.08 | 1373.626709 | -0.08 | 1373.626709 | -0.08 |
| 157 | 1376.4575 | 1376.70752 | Residential | 4604.081482 | $ 3,342,563 | $ 1,671,282 | 1376.469116 | -0.24 | 1376.470581 | -0.24 | 1376.488281 | -0.22 | 1376.477417 | -0.23 |
| 158 | 1374.9485 | 1375.198486 | Residential | 5014.781799 | $ 3,640,732 | $ 1,820,366 | 1374.963501 | -0.23 | 1374.963257 | -0.24 | 1374.966919 | -0.23 | 1374.966919 | -0.23 |
| 159 | 1368.0206 | 1368.27063 | Residential | 8032.684509 | $ 5,831,729 | $ 2,915,864 | 1368.052124 | -0.22 | 1368.050049 | -0.22 | 1368.055664 | -0.21 | 1368.055664 | -0.21 |
| 160 | 1364.0402 | 1364.290161 | Residential | 7812.84906 | $ 5,672,128 | $ 2,836,064 | 1364.276733 | -0.01 | 1364.280029 | -0.01 | 1364.278564 | -0.01 | 1364.278687 | -0.01 |
| 161 | 1379.0062 | 1379.256226 | Residential | 4673.951538 | $ 3,393,289 | $ 1,696,644 | 1379.0354 | -0.22 | 1379.033325 | -0.22 | 1379.041504 | -0.21 | 1379.041504 | -0.21 |
| 162 | 1351.6937 | 1351.943726 | Residential | 7145.512817 | $ 5,187,642 | $ 2,593,821 | 1351.736572 | -0.21 | 1351.73999 | -0.20 | 1351.739258 | -0.20 | 1351.739258 | -0.20 |
| 163 | 1356.0435 | 1356.293457 | Residential | 8016.633606 | $ 5,820,076 | $ 2,910,038 | 1356.115234 | -0.18 | 1356.119995 | -0.17 | 1356.119141 | -0.17 | 1356.119141 | -0.17 |
| 164 | 1353.3625 | 1353.612549 | Residential | 5229.221985 | $ 3,796,415 | $ 1,898,208 | 1353.494629 | -0.12 | 1353.48999 | -0.12 | 1353.49646 | -0.12 | 1353.49646 | -0.12 |
| 165 | 1383.4026 | 1383.652588 | Residential | 5383.90863 | $ 3,908,718 | $ 1,954,359 | 1383.43689 | -0.22 | 1383.439697 | -0.21 | 1383.464355 | -0.19 | 1383.744873 | 0.09 |
| 166 | 1372.4465 | 1372.696533 | Residential | 5019.003479 | $ 3,643,797 | $ 1,821,898 | 1372.785156 | 0.09 | 1372.790039 | 0.09 | 1372.791992 | 0.10 | 1372.786621 | 0.09 |
| 167 | 1362.7709 | 1363.020874 | Residential | 89.848938 | $ 65,230 | $ 32,615 | 1362.811768 | -0.21 | 1362.813477 | -0.21 | 1362.815186 | -0.21 | 1362.815186 | -0.21 |
| 168 | 1365.083 | 1365.333008 | Residential | 7013.951599 | $ 5,092,129 | $ 2,546,064 | 1365.13855 | -0.19 | 1365.140015 | -0.19 | 1365.140991 | -0.19 | 1365.140991 | -0.19 |
| 169 | 1362.7377 | 1362.987671 | Residential | 5120.312622 | $ 3,717,347 | $ 1,858,673 | 1362.824219 | -0.16 | 1362.821777 | -0.17 | 1362.997803 | 0.01 | 1362.758911 | -0.23 |
| 170 | 1360.1978 | 1360.447754 | Residential | 793.997314 | $ 576,442 | $ 288,221 | 1360.297607 | -0.15 | 1360.296753 | -0.15 | 1360.363892 | -0.08 | 1360.36377 | -0.08 |
| 171 | 1376.9437 | 1377.193726 | Residential | 6148.210022 | $ 4,463,600 | $ 2,231,800 | 1377.074829 | -0.12 | 1377.073853 | -0.12 | 1377.077393 | -0.12 | 1377.077393 | -0.12 |
| 172 | 1382.8645 | 1383.114502 | Residential | 417.621704 | $ 303,193 | $ 151,597 | 1383.075317 | -0.04 | 1383.074097 | -0.04 | 1383.662109 | 0.55 | 1383.49707 | 0.38 |
| 173 | 1382.9543 | 1383.204346 | Residential | 7021.7854 | $ 5,097,816 | $ 2,548,908 | 1383.303101 | 0.10 | 1383.30249 | 0.10 | 1383.720337 | 0.52 | 1384.014648 | 0.81 |
| 174 | 1360.3568 | 1360.606812 | Residential | 987.539978 | $ 716,954 | $ 358,477 | 1360.389648 | -0.22 | 1360.390015 | -0.22 | 1360.392334 | -0.21 | 1360.392334 | -0.21 |
| 175 | 1371.0583 | 1371.30835 | Residential | 4343.393616 | $ 3,153,304 | $ 1,576,652 | 1371.106812 | -0.20 | 1371.103516 | -0.20 | 1371.108887 | -0.20 | 1371.108887 | -0.20 |
| 176 | 1363.4857 | 1363.735718 | Residential | 1258.273743 | $ 913,507 | $ 456,753 | 1363.566162 | -0.17 | 1363.56543 | -0.17 | 1363.714722 | -0.02 | 1363.61731 | -0.12 |
| 177 | 1382.4683 | 1382.718262 | Residential | 5926.931763 | $ 4,302,952 | $ 2,151,476 | 1382.520874 | -0.20 | 1382.522339 | -0.20 | 1383.109375 | 0.39 | 1382.892212 | 0.17 |
| 178 | 1367.0305 | 1367.280518 | Residential | 7461.676697 | $ 5,417,177 | $ 2,708,589 | 1367.084473 | -0.20 | 1367.079956 | -0.20 | 1367.086426 | -0.19 | 1367.086304 | -0.19 |
| 179 | 1366.8289 | 1367.078857 | Residential | 8772.664185 | $ 6,368,954 | $ 3,184,477 | 1367.044067 | -0.03 | 1367.04834 | -0.03 | 1367.045654 | -0.03 | 1367.045654 | -0.03 |
| 180 | 1364.3354 | 1364.585449 | Residential | 1242.911804 | $ 902,354 | $ 451,177 | 1364.427124 | -0.16 | 1364.428833 | -0.16 | 1364.576904 | -0.01 | 1364.416138 | -0.17 |
| 181 | 1385.5297 | 1385.779663 | Residential | 4264.038574 | $ 3,095,692 | $ 1,547,846 | 1385.641846 | -0.14 | 1385.642456 | -0.14 | 1385.643677 | -0.14 | 1385.643799 | -0.14 |
| 182 | 1374.311 | 1374.561035 | Residential | 5276.539246 | $ 3,830,767 | $ 1,915,384 | 1374.384644 | -0.18 | 1374.380005 | -0.18 | 1374.387817 | -0.17 | 1374.387817 | -0.17 |
| 183 | 1358.566 | 1358.81604 | Residential | 7594.135925 | $ 5,513,343 | $ 2,756,671 | 1358.577881 | -0.24 | 1358.579956 | -0.24 | 1358.580444 | -0.24 | 1358.580444 | -0.24 |
| 184 | 1380.236 | 1380.485962 | Residential | 4827.576904 | $ 3,504,821 | $ 1,752,410 | 1380.30188 | -0.18 | 1380.304321 | -0.18 | 1380.490601 | 0.00 | 1380.304321 | -0.18 |
| 185 | 1363.7234 | 1363.973389 | Residential | 10285.24762 | $ 7,467,090 | $ 3,733,545 | 1363.945801 | -0.03 | 1363.949951 | -0.02 | 1363.94751 | -0.03 | 1363.947388 | -0.03 |
| 186 | 1364.5854 | 1364.835449 | Residential | 6041.695801 | $ 4,386,271 | $ 2,193,136 | 1364.953857 | 0.12 | 1364.951416 | 0.12 | 1365.078857 | 0.24 | 1364.9823 | 0.15 |
| 187 | 1358.5145 | 1358.764526 | Residential | 4361.768433 | $ 3,166,644 | $ 1,583,322 | 1358.786499 | 0.02 | 1358.790039 | 0.03 | 1358.788574 | 0.02 | 1358.788574 | 0.02 |
| 188 | 1364.4982 | 1364.748169 | Residential | 2346.480347 | $ 1,703,545 | $ 851,772 | 1364.658569 | -0.09 | 1364.660034 | -0.09 | 1364.901978 | 0.15 | 1364.857544 | 0.11 |
| 189 | 1349.9558 | 1350.205811 | Residential | 2159.600586 | $ 1,567,870 | $ 783,935 | 1349.965942 | -0.24 | 1349.969971 | -0.24 | 1349.987671 | -0.22 | 1349.968506 | -0.24 |
| 190 | 1378.7681 | 1379.018066 | Residential | 11906.15375 | $ 8,643,868 | $ 4,321,934 | 1378.897461 | -0.12 | 1378.895508 | -0.12 | 1378.978882 | -0.04 | 1378.978882 | -0.04 |
| 191 | 1368.9064 | 1369.156372 | Residential | 8501.921448 | $ 6,172,395 | $ 3,086,197 | 1368.998169 | -0.16 | 1369 | -0.16 | 1369.000854 | -0.16 | 1369.000854 | -0.16 |
| 192 | 1386.421 | 1386.671021 | Residential | 7075.245361 | $ 5,136,628 | $ 2,568,314 | 1386.675415 | 0.00 | 1386.675537 | 0.00 | 1387.56189 | 0.89 | 1387.329956 | 0.66 |
| 193 | 1362.7275 | 1362.977539 | Residential | 9759.761292 | $ 7,085,587 | $ 3,542,793 | 1362.987305 | 0.01 | 1362.98999 | 0.01 | 1362.989624 | 0.01 | 1362.989624 | 0.01 |
| 194 | 1359.8994 | 1360.149414 | Residential | 5130.461975 | $ 3,724,715 | $ 1,862,358 | 1360.129272 | -0.02 | 1360.109985 | -0.04 | 1360.291382 | 0.14 | 1360.05542 | -0.09 |

| Building ID | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 98 | 3.36572 | $ 45,084 | 0 | $ - | $ 45,084.34 | 3.374508 | $ 45,202 | 4.1015625 | $ 27,471 | $ 72,672.59 |
| 99 | 3.77 | $ 111,000 | 0.00 | $ - | $ 111,000.07 | 3.81 | $ 112,222 | 0.00 | $ - | $ 112,222.38 |
| 100 | 5.43 | $ 198,211 | 2.00 | $ 36,506 | $ 234,717.31 | 5.48 | $ 200,084 | 20.04 | $ 365,904 | $ 565,987.62 |
| 101 | 3.705568 | $ 244,422 | 0 | $ - | $ 244,421.80 | 3.716796 | $ 245,162 | 0 | $ - | $ 245,162.41 |
| 102 | 3.093264 | $ 104,849 | 0 | $ - | $ 104,848.82 | 3.109376 | $ 105,395 | 0 | $ - | $ 105,394.95 |
| 103 | 3.123048 | $ 157,943 | 0 | $ - | $ 157,943.23 | 3.134768 | $ 158,536 | 0.68701164 | $ 17,372 | $ 175,908.21 |
| 104 | 3.16 | $ 151,799 | 0.00 | $ - | $ 151,799.32 | 3.17 | $ 152,245 | 0.95 | $ 22,914 | $ 175,159.31 |
| 105 | 17.99293 | $ 1,155,075 | 19.590102 | $ 628,803 | $ 1,783,878.23 | 13.93531 | $ 894,592 | 0 | $ - | $ 894,591.66 |
| 106 | 3.323244 | $ 29,181 | 0.00 | $ - | $ 29,180.68 | 3.334472 | $ 29,279 | 0.00 | $ - | $ 29,279.27 |
| 107 | 3.93 | $ 142,200 | 0.00 | $ - | $ 142,200.19 | 3.94 | $ 142,430 | 5.54 | $ 100,096 | $ 242,525.71 |
| 108 | 3.249024 | $ 120,124 | 0.00 | $ - | $ 120,123.95 | 3.257324 | $ 120,431 | 0.00 | $ - | $ 120,430.82 |
| 109 | 3.168456 | $ 243,664 | 0 | $ - | $ 243,664.49 | 3.17822 | $ 244,415 | 0 | $ - | $ 244,415.37 |
| 110 | 3.49 | $ 188,314 | 0.00 | $ - | $ 188,313.55 | 3.50 | $ 188,761 | 17.98 | $ 484,988 | $ 673,749.51 |
| 111 | 3.36 | $ 306,589 | 0.00 | $ - | $ 306,589.44 | 3.37 | $ 307,436 | 1.35 | $ 61,521 | $ 368,956.85 |
| 112 | 3.373536 | $ 11,628 | 0 | $ - | $ 11,628.46 | 3.398924 | $ 11,716 | 0 | $ - | $ 11,715.97 |
| 113 | 3.3833 | $ 154,262 | 0 | $ - | $ 154,262.12 | 3.39258 | $ 154,685 | 0 | $ - | $ 154,685.24 |
| 114 | 3.478516 | $ 133,786 | 0 | $ - | $ 133,786.49 | 3.490236 | $ 134,237 | 0 | $ - | $ 134,237.25 |
| 115 | 3.211424 | $ 183,911 | 0 | $ - | $ 183,911.26 | 3.223144 | $ 184,582 | 0 | $ - | $ 184,582.44 |
| 116 | 3.52588 | $ 199,816 | 0 | $ - | $ 199,815.81 | 3.537596 | $ 200,480 | 0 | $ - | $ 200,479.77 |
| 117 | 3.822756 | $ 162,495 | 0 | $ - | $ 162,495.06 | 3.833496 | $ 162,952 | 0 | $ - | $ 162,951.59 |
| 118 | 5.88232 | $ 9,393 | 2.635248 | $ 2,104 | $ 11,497.09 | 5.88964 | $ 9,405 | 0 | $ - | $ 9,404.76 |
| 119 | 3.89 | $ 156,488 | 0.00 | $ - | $ 156,487.85 | 3.90 | $ 156,881 | 0.00 | $ - | $ 156,881.12 |
| 120 | 3.25 | $ 152,158 | 0.00 | $ - | $ 152,157.75 | 3.26 | $ 152,706 | 7.65 | $ 178,957 | $ 331,662.88 |
| 121 | 3.077148 | $ 4,740 | 0 | $ - | $ 4,740.46 | 3.532716 | $ 5,442 | 0 | $ - | $ 5,442.28 |
| 122 | 3.13 | $ 137,890 | 0.00 | $ - | $ 137,890.44 | 3.15 | $ 138,579 | 0.00 | $ - | $ 138,578.88 |
| 123 | 3.365232 | $ 147,678 | 0 | $ - | $ 147,678.12 | 3.378416 | $ 148,257 | 0 | $ - | $ 148,256.68 |
| 124 | 3.54 | $ 143,057 | 0.00 | $ - | $ 143,057.21 | 3.55 | $ 143,392 | 0.00 | $ - | $ 143,392.21 |
| 125 | 3.16 | $ 117,898 | 0.00 | $ - | $ 117,897.64 | 3.35 | $ 124,780 | 0.00 | $ - | $ 124,780.38 |
| 126 | 3.283692 | $ 277,618 | 0 | $ - | $ 277,617.55 | 3.291992 | $ 278,319 | 0 | $ - | $ 278,319.27 |
| 127 | 3.70 | $ 102,365 | 0.00 | $ - | $ 102,364.64 | 3.71 | $ 102,581 | 2.73 | $ 37,819 | $ 140,399.96 |
| 128 | 3.22 | $ 5,771 | 0.00 | $ - | $ 5,770.86 | 3.23 | $ 5,789 | 19.00 | $ 17,015 | $ 22,804.59 |
| 129 | 3.146972 | $ 85,963 | 0 | $ - | $ 85,962.88 | 5.9995 | $ 163,883 | 18.79541034 | $ 256,708 | $ 420,590.99 |
| 130 | 4.42846 | $ 161,415 | 0.599844 | $ 10,932 | $ 172,347.05 | 3.675292 | $ 133,962 | 3.70165992 | $ 67,462 | $ 201,424.26 |
| 131 | 3.20 | $ 121,245 | 0.00 | $ - | $ 121,244.71 | 3.25 | $ 123,000 | 0.18 | $ 3,493 | $ 126,492.97 |
| 132 | 4.37719 | $ 12,723 | 0.528066 | $ 767 | $ 13,490.13 | 6.30346 | $ 18,322 | 0 | $ - | $ 18,321.57 |
| 133 | 3.850584 | $ 120,770 | 0 | $ - | $ 120,769.82 | 3.862304 | $ 121,137 | 0 | $ - | $ 121,137.41 |
| 134 | 3.645996 | $ 101,663 | 0 | $ - | $ 101,662.81 | 3.65918 | $ 102,030 | 18.995361 | $ 264,828 | $ 366,858.15 |
| 135 | 3.902832 | $ 9,264 | 0 | $ - | $ 9,264.30 | 5.05834 | $ 12,007 | 0 | $ - | $ 12,007.17 |
| 136 | 14.63476 | $ 444,240 | 14.888664 | $ 225,974 | $ 670,213.96 | 12.16285 | $ 369,205 | 0 | $ - | $ 369,205.03 |
| 137 | 3.200192 | $ 106,502 | 0 | $ - | $ 106,501.61 | 3.33154 | $ 110,873 | 0 | $ - | $ 110,872.84 |
| 138 | 4.94482 | $ 315,069 | 1.322748 | $ 42,141 | $ 357,209.84 | 5.0437 | $ 321,369 | 0 | $ - | $ 321,369.41 |
| 139 | 3.120116 | $ 7,333 | 0.00 | $ - | $ 7,332.82 | 3.131836 | $ 7,360 | 0.00 | $ - | $ 7,360.37 |
| 140 | 3.38 | $ 129,030 | 0.00 | $ - | $ 129,029.79 | 3.59 | $ 137,352 | 9.07 | $ 173,295 | $ 310,646.44 |
| 141 | 3.869628 | $ 222,846 | 0 | $ - | $ 222,846.01 | 3.876952 | $ 223,268 | 0 | $ - | $ 223,267.79 |
| 142 | 3.83496 | $ 135,865 | 0 | $ - | $ 135,864.89 | 3.851072 | $ 136,436 | 0 | $ - | $ 136,435.70 |
| 143 | 3.155272 | $ 4,314 | 0 | $ - | $ 4,313.71 | 3.219236 | $ 4,401 | 0 | $ - | $ 4,401.16 |
| 144 | 3.80 | $ 129,739 | 0.00 | $ - | $ 129,739.03 | 3.81 | $ 129,972 | 0.00 | $ - | $ 129,972.31 |
| 145 | 3.270508 | $ 6,266 | 0 | $ - | $ 6,266.09 | 3.276368 | $ 6,277 | 0 | $ - | $ 6,277.32 |
| 146 | 3.89 | $ 154,434 | 0.00 | $ - | $ 154,434.46 | 3.90 | $ 154,687 | 0.00 | $ - | $ 154,686.53 |
| 147 | 9.44557 | $ 368,364 | 7.623798 | $ 148,659 | $ 517,023.06 | 6.74659 | $ 263,108 | 23.625 | $ 460,671 | $ 723,778.98 |
| 148 | 3.958496 | $ 139,311 | 0 | $ - | $ 139,310.55 | 3.967284 | $ 139,620 | 0 | $ - | $ 139,619.83 |
| 149 | 3.25 | $ 140,149 | 0.00 | $ - | $ 140,149.29 | 3.51 | $ 151,166 | 0.00 | $ - | $ 151,166.16 |
| 150 | 3.331052 | $ 140,579 | 0 | $ - | $ 140,578.56 | 3.341796 | $ 141,032 | 8.33129892 | $ 175,801 | $ 316,832.60 |
| 151 | 3.992188 | $ 130,031 | 0 | $ - | $ 130,031.15 | 4 | $ 130,286 | 0 | $ - | $ 130,285.60 |
| 152 | 3.17 | $ 99,624 | 0.00 | $ - | $ 99,623.92 | 3.59 | $ 112,907 | 0.00 | $ - | $ 112,907.13 |
| 153 | 3.282224 | $ 141,147 | 0 | $ - | $ 141,147.03 | 3.295896 | $ 141,735 | 15.82177758 | $ 340,196 | $ 481,930.65 |
| 154 | 3.578616 | $ 137,997 | 0 | $ - | $ 137,996.70 | 3.58594 | $ 138,279 | 0 | $ - | $ 138,279.12 |
| 155 | 3.57 | $ 71,097 | 0.00 | $ - | $ 71,097.47 | 3.58 | $ 71,458 | 0.00 | $ - | $ 71,457.76 |
| 156 | 3.65 | $ 176,688 | 0.00 | $ - | $ 176,687.95 | 3.66 | $ 176,971 | 0.00 | $ - | $ 176,971.28 |
| 157 | 3.046384 | $ 101,827 | 0 | $ - | $ 101,827.31 | 3.079588 | $ 102,937 | 0.6818847 | $ 11,396 | $ 114,333.39 |
| 158 | 3.06006 | $ 111,409 | 0 | $ - | $ 111,408.57 | 3.073732 | $ 111,906 | 0 | $ - | $ 111,906.33 |
| 159 | 3.13 | $ 182,298 | 0.00 | $ - | $ 182,298.45 | 3.14 | $ 183,124 | 0.00 | $ - | $ 183,124.22 |
| 160 | 3.946288 | $ 223,839 | 0 | $ - | $ 223,838.52 | 3.954104 | $ 224,282 | 5.8037112 | $ 164,597 | $ 388,878.83 |
| 161 | 3.116696 | $ 105,758 | 0 | $ - | $ 105,758.50 | 3.141112 | $ 106,587 | 0 | $ - | $ 106,587.00 |
| 162 | 3.171384 | $ 164,520 | 0 | $ - | $ 164,520.06 | 3.182128 | $ 165,077 | 0 | $ - | $ 165,077.42 |
| 163 | 3.29 | $ 191,312 | 0.00 | $ - | $ 191,312.18 | 3.30 | $ 192,222 | 0.00 | $ - | $ 192,221.75 |
| 164 | 3.52832 | $ 133,950 | 0 | $ - | $ 133,949.68 | 3.535644 | $ 134,228 | 0 | $ - | $ 134,227.72 |
| 165 | 3.137208 | $ 122,625 | 0 | $ - | $ 122,624.60 | 6.76855 | $ 264,564 | 24.9118653 | $ 486,867 | $ 751,430.75 |
| 166 | 6.65869 | $ 242,629 | 3.722166 | $ 67,814 | $ 310,443.19 | 6.70264 | $ 244,231 | 0 | $ - | $ 244,230.56 |
| 167 | 3.163576 | $ 2,064 | 0 | $ - | $ 2,063.61 | 3.177248 | $ 2,073 | 8.65429698 | $ 2,823 | $ 4,895.14 |
| 168 | 3.22 | $ 164,077 | 0.00 | $ - | $ 164,076.95 | 3.23 | $ 164,574 | 0.00 | $ - | $ 164,574.14 |
| 169 | 3.346192 | $ 124,390 | 0 | $ - | $ 124,389.57 | 3.08496 | $ 114,679 | 0 | $ - | $ 114,678.67 |
| 170 | 3.399412 | $ 19,596 | 0 | $ - | $ 19,595.64 | 3.664064 | $ 21,121 | 0 | $ - | $ 21,121.21 |
| 171 | 3.524412 | $ 157,316 | 0 | $ - | $ 157,315.67 | 3.534668 | $ 157,773 | 0 | $ - | $ 157,773.46 |
| 172 | 3.84326 | $ 11,653 | 0 | $ - | $ 11,652.51 | 15.47704 | $ 46,925 | 0 | $ - | $ 46,925.36 |
| 173 | 6.96 | $ 354,943 | 4.15 | $ 105,721 | $ 460,664.42 | 28.31 | $ 1,443,144 | 0.00 | $ - | $ 1,443,143.85 |
| 174 | 3.131344 | $ 22,450 | 0 | $ - | $ 22,450.30 | 3.142088 | $ 22,527 | 0 | $ - | $ 22,527.33 |
| 175 | 3.193848 | $ 100,712 | 0 | $ - | $ 100,711.73 | 3.202148 | $ 100,973 | 0 | $ - | $ 100,973.45 |
| 176 | 3.321776 | $ 30,345 | 0 | $ - | $ 30,344.65 | 3.526368 | $ 32,214 | 0 | $ - | $ 32,213.61 |
| 177 | 3.210448 | $ 138,144 | 0 | $ - | $ 138,144.05 | 9.2185 | $ 396,668 | 0 | $ - | $ 396,667.67 |
| 178 | 3.21582 | $ 174,207 | 0 | $ - | $ 174,206.67 | 3.223144 | $ 174,603 | 0 | $ - | $ 174,603.42 |
| 179 | 3.86084 | $ 245,895 | 0 | $ - | $ 245,895.13 | 3.867188 | $ 246,299 | 0 | $ - | $ 246,299.43 |
| 180 | 3.3667 | $ 30,380 | 0 | $ - | $ 30,379.55 | 3.322756 | $ 29,983 | 0 | $ - | $ 29,983.02 |
| 181 | 3.448732 | $ 106,762 | 0 | $ - | $ 106,762.12 | 3.456544 | $ 107,004 | 0 | $ - | $ 107,003.96 |
| 182 | 3.294436 | $ 126,202 | 0 | $ - | $ 126,202.18 | 3.307128 | $ 126,688 | 0 | $ - | $ 126,688.38 |
| 183 | 3.05 | $ 168,012 | 0.00 | $ - | $ 168,011.62 | 3.06 | $ 168,577 | 0.00 | $ - | $ 168,576.85 |
| 184 | 3.263672 | $ 114,386 | 0 | $ - | $ 114,385.86 | 3.273436 | $ 114,728 | 0 | $ - | $ 114,728.07 |
| 185 | 3.889648 | $ 290,444 | 0 | $ - | $ 290,443.51 | 3.895996 | $ 290,918 | 0 | $ - | $ 290,917.52 |
| 186 | 7.55 | $ 331,262 | 4.97 | $ 109,068 | $ 440,329.34 | 8.41 | $ 368,689 | 0.00 | $ - | $ 368,689.34 |
| 187 | 4.65919 | $ 147,540 | 0.922866 | $ 14,612 | $ 162,151.89 | 4.72144 | $ 149,511 | 0 | $ - | $ 149,511.19 |
| 188 | 3.64 | $ 62,036 | 0.00 | $ - | $ 62,036.28 | 7.28 | $ 124,039 | 0.00 | $ - | $ 124,039.35 |
| 189 | 3.04 | $ 47,671 | 0.00 | $ - | $ 47,671.46 | 3.05 | $ 47,832 | 0.00 | $ - | $ 47,832.27 |
| 190 | 3.52 | $ 304,055 | 0.00 | $ - | $ 304,054.96 | 3.84 | $ 332,207 | 4.02 | $ 173,721 | $ 505,928.12 |
| 191 | 3.37 | $ 207,836 | 0.00 | $ - | $ 207,836.14 | 3.38 | $ 208,499 | 0.00 | $ - | $ 208,499.06 |
| 192 | 4.13 | $ 212,236 | 0.18 | $ 4,740 | $ 216,976.00 | 23.77 | $ 1,220,876 | 0.00 | $ - | $ 1,220,876.34 |
| 193 | 4.29 | $ 304,183 | 0.41 | $ 14,532 | $ 318,714.37 | 4.36 | $ 309,112 | 0.00 | $ - | $ 309,112.26 |
| 194 | 3.919432 | $ 145,988 | 0 | $ - | $ 145,987.69 | 3.624024 | $ 134,985 | 0 | $ - | $ 134,984.58 |

## 10-Year and 100-Year Existing Building Damages in Area K

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 195 | 1371.9503 | 1372.200317 | Residential | 5811.423157 | $ 4,219,093 | $ 2,109,547 | 1372.028442 | -0.17 | 1372.030029 | -0.17 | 1372.031372 | -0.17 | 1372.031372 | -0.17 | 3.3125 | $ 139,757 | 0 | $ - | $ 139,757.46 | 3.32422 | $ 140,252 | 5.18334978 | $ 109,345 | $ 249,597.12 |
| 196 | 1375.9243 | 1376.174316 | Residential | 3570.859131 | $ 2,592,444 | $ 1,296,222 | 1375.952637 | -0.22 | 1375.952393 | -0.22 | 1375.955322 | -0.22 | 1375.955444 | -0.22 | 3.113284 | $ 80,710 | 0 | $ - | $ 80,710.14 | 3.124512 | $ 81,001 | 0 | $ - | $ 81,001.22 |
| 197 | 1382.3914 | 1382.641357 | Residential | 4534.560791 | $ 3,292,091 | $ 1,646,046 | 1382.78833 | 0.15 | 1382.78894 | 0.15 | 1382.793213 | 0.15 | 1382.793091 | 0.15 | 8.41 | $ 276,838 | 6.17 | $ 101,608 | $ 378,446.39 | 8.55 | $ 281,540 | 0.00 | $ - | $ 281,540.29 |
| 198 | 1372.3955 | 1372.645508 | Residential | 3843.095703 | $ 2,790,087 | $ 1,395,044 | 1372.505371 | -0.14 | 1372.508545 | -0.14 | 1372.546753 | -0.10 | 1372.546753 | -0.10 | 3.439452 | $ 95,964 | 0 | $ - | $ 95,963.72 | 3.60498 | $ 100,582 | 0 | $ - | $ 100,582.10 |
| 199 | 1378.7993 | 1379.049316 | Residential | 5130.287109 | $ 3,724,588 | $ 1,862,294 | 1379.104492 | 0.06 | 1379.099976 | 0.05 | 1379.106445 | 0.06 | 1379.106323 | 0.06 | 5.66 | $ 210,636 | 2.32 | $ 43,157 | $ 253,792.56 | 5.71 | $ 212,682 | 0.00 | $ - | $ 212,681.82 |
| 200 | 1369.2933 | 1369.543335 | Residential | 4194.780518 | $ 3,045,411 | $ 1,522,705 | 1369.405518 | -0.14 | 1369.407227 | -0.14 | 1369.692261 | 0.15 | 1369.369751 | -0.17 | 3.448732 | $ 105,028 | 0 | $ - | $ 105,028.05 | 3.305664 | $ 100,671 | 0 | $ - | $ 100,671.04 |
| 201 | 1384.4399 | 1384.689941 | Residential | 4500.588989 | $ 3,267,428 | $ 1,633,714 | 1385.165039 | 0.48 | 1385.160034 | 0.47 | 1385.166504 | 0.48 | 1385.166626 | 0.48 | 18.25294 | $ 596,402 | 19.954116 | $ 325,993 | $ 922,394.75 | 18.30055 | $ 597,957 | 0 | $ - | $ 597,957.22 |
| 202 | 1386.7983 | 1387.04834 | Residential | 4524.202332 | $ 3,284,571 | $ 1,642,285 | 1387.091187 | 0.04 | 1387.081299 | 0.03 | 1387.682007 | 0.63 | 1386.833618 | -0.21 | 5.28541 | $ 173,603 | 1.799574 | $ 29,554 | $ 203,157.18 | 3.141112 | $ 103,172 | 0 | $ - | $ 103,172.05 |
| 203 | 1372.1863 | 1372.436279 | Residential | 4600.928711 | $ 3,340,274 | $ 1,670,137 | 1372.266113 | -0.17 | 1372.266479 | -0.17 | 1372.269165 | -0.17 | 1372.269287 | -0.17 | 3.319336 | $ 110,875 | 0 | $ - | $ 110,874.93 | 3.332032 | $ 111,299 | 0 | $ - | $ 111,299.01 |
| 204 | 1351.7186 | 1351.968628 | Residential | 927.027771 | $ 673,022 | $ 336,511 | 1351.785278 | -0.18 | 1351.790039 | -0.18 | 1351.787354 | -0.18 | 1351.787476 | -0.18 | 3.2666 | $ 21,985 | 0 | $ - | $ 21,984.94 | 3.275392 | $ 22,044 | 0 | $ - | $ 22,044.11 |
| 205 | 1373.9084 | 1374.158447 | Residential | 6269.81665 | $ 4,551,887 | $ 2,275,943 | 1374.034424 | -0.12 | 1374.030029 | -0.13 | 1374.037842 | -0.12 | 1374.037842 | -0.12 | 3.503908 | $ 159,494 | 0 | $ - | $ 159,493.93 | 3.51758 | $ 160,116 | 0 | $ - | $ 160,116.26 |
| 206 | 1365.4144 | 1365.664429 | Residential | 6051.600159 | $ 4,393,462 | $ 2,196,731 | 1365.444336 | -0.22 | 1365.444214 | -0.22 | 1365.870117 | 0.21 | 1365.701416 | 0.04 | 3.119628 | $ 137,060 | 0 | $ - | $ 137,059.66 | 5.10961 | $ 224,489 | 0 | $ - | $ 224,488.76 |
| 207 | 1353.8657 | 1354.115723 | Residential | 755.925842 | $ 548,802 | $ 274,401 | 1353.93396 | -0.18 | 1353.930054 | -0.19 | 1353.936157 | -0.18 | 1353.936157 | -0.18 | 3.27 | $ 17,962 | 0.00 | $ - | $ 17,962.01 | 3.28 | $ 18,010 | 0.00 | $ - | $ 18,010.24 |
| 208 | 1369.4449 | 1369.694946 | Residential | 7994.761414 | $ 5,804,197 | $ 2,902,098 | 1369.686035 | -0.01 | 1369.689941 | -0.01 | 1369.687744 | -0.01 | 1369.687744 | -0.01 | 3.96 | $ 230,099 | 0.00 | $ - | $ 230,099.02 | 3.97 | $ 230,496 | 19.49 | $ 565,697 | $ 796,192.43 |
| 209 | 1356.6626 | 1356.912598 | Residential | 6371.821533 | $ 4,625,942 | $ 2,312,971 | 1356.790527 | -0.12 | 1356.794678 | -0.12 | 1357.093018 | 0.18 | 1356.822266 | -0.09 | 3.511716 | $ 162,450 | 0 | $ - | $ 162,449.96 | 3.638672 | $ 168,323 | 0 | $ - | $ 168,322.87 |
| 210 | 1378.3789 | 1378.628906 | Residential | 1189.775024 | $ 863,777 | $ 431,888 | 1378.425903 | -0.20 | 1378.430054 | -0.20 | 1378.454956 | -0.17 | 1378.473999 | -0.15 | 3.19 | $ 27,537 | 0.00 | $ - | $ 27,537.10 | 3.38 | $ 29,199 | 0.00 | $ - | $ 29,198.86 |
| 211 | 1372.8145 | 1373.064453 | Residential | 7189.552734 | $ 5,219,615 | $ 2,609,808 | 1372.927002 | -0.14 | 1372.930054 | -0.13 | 1372.929077 | -0.14 | 1372.929199 | -0.14 | 3.450196 | $ 180,087 | 0 | $ - | $ 180,086.96 | 3.458984 | $ 180,546 | 0 | $ - | $ 180,545.66 |
| 212 | 1384.6993 | 1384.949341 | Residential | 4849.682129 | $ 3,520,869 | $ 1,760,435 | 1384.800659 | -0.15 | 1384.798706 | -0.15 | 1384.845337 | -0.10 | 1384.848267 | -0.10 | 3.41 | $ 119,895 | 0.00 | $ - | $ 119,895.17 | 3.60 | $ 126,600 | 16.95 | $ 298,389 | $ 424,988.54 |
| 213 | 1374.1124 | 1374.362427 | Residential | 5543.06311 | $ 4,024,264 | $ 2,012,132 | 1374.303589 | -0.06 | 1374.300049 | -0.06 | 1375.235962 | 0.87 | 1374.947021 | 0.58 | 3.76 | $ 151,499 | 0.00 | $ - | $ 151,499.37 | 21.54 | $ 866,739 | 7.57 | $ 152,266 | $ 1,019,004.42 |
| 214 | 1351.9253 | 1352.175293 | Residential | 7474.652283 | $ 5,426,598 | $ 2,713,299 | 1352.022827 | -0.15 | 1352.020386 | -0.15 | 1352.025024 | -0.15 | 1352.025146 | -0.15 | 3.39 | $ 183,969 | 0.00 | $ - | $ 183,969.04 | 3.40 | $ 184,472 | 0.00 | $ - | $ 184,472.41 |
| 215 | 1372.7062 | 1372.956177 | Residential | 365.232666 | $ 265,159 | $ 132,579 | 1372.750366 | -0.21 | 1372.75 | -0.21 | 1372.754272 | -0.20 | 1372.754272 | -0.20 | 3.176756 | $ 8,423 | 0 | $ - | $ 8,423.45 | 3.19238 | $ 8,465 | 0 | $ - | $ 8,464.88 |
| 216 | 1383.9557 | 1384.205688 | Residential | 10282.73602 | $ 7,465,266 | $ 3,732,633 | 1384.018188 | -0.19 | 1384.02002 | -0.19 | 1384.431885 | 0.23 | 1384.276855 | 0.07 | 3.25 | $ 242,621 | 0 | $ - | $ 242,621.16 | 6.13501 | $ 457,995 | 0 | $ - | $ 457,994.84 |
| 217 | 1379.6527 | 1379.90271 | Residential | 5808.621948 | $ 4,217,060 | $ 2,108,530 | 1379.669067 | -0.23 | 1379.665283 | -0.24 | 1379.678833 | -0.22 | 1379.678833 | -0.22 | 3.065428 | $ 129,271 | 0 | $ - | $ 129,270.92 | 3.104492 | $ 130,918 | 0 | $ - | $ 130,918.28 |
| 218 | 1378.8989 | 1379.148926 | Residential | 5431.955078 | $ 3,943,599 | $ 1,971,800 | 1378.959473 | -0.19 | 1378.959961 | -0.19 | 1379.071411 | -0.08 | 1379.14856 | 0.00 | 3.242188 | $ 127,859 | 0 | $ - | $ 127,858.91 | 3.998536 | $ 157,686 | 15.55517586 | $ 306,717 | $ 464,403.15 |
| 219 | 1361.0637 | 1361.313721 | Residential | 697.469788 | $ 506,363 | $ 253,182 | 1361.248169 | -0.07 | 1361.244873 | -0.07 | 1361.327881 | 0.01 | 1361.283569 | -0.03 | 3.737792 | $ 18,927 | 0 | $ - | $ 18,926.80 | 3.879392 | $ 19,644 | 0 | $ - | $ 19,643.81 |
| 220 | 1363.9265 | 1364.176514 | Residential | 5530.390808 | $ 4,015,064 | $ 2,007,532 | 1364.312012 | 0.14 | 1364.307861 | 0.13 | 1364.484375 | 0.31 | 1364.317505 | 0.14 | 8.06 | $ 323,812 | 5.69 | $ 114,247 | $ 438,059.43 | 8.23 | $ 330,429 | 3.97 | $ 79,767 | $ 410,195.95 |
| 221 | 1365.9146 | 1366.164551 | Residential | 7421.591003 | $ 5,388,075 | $ 2,694,038 | 1365.946289 | -0.22 | 1365.947144 | -0.22 | 1365.94812 | -0.22 | 1365.94812 | -0.22 | 3.126952 | $ 168,483 | 0 | $ - | $ 168,482.52 | 3.134276 | $ 168,877 | 0 | $ - | $ 168,877.14 |
| 222 | 1355.2457 | 1355.495728 | Residential | 6237.714416 | $ 4,528,581 | $ 2,264,290 | 1355.38916 | -0.11 | 1355.387085 | -0.11 | 1355.394287 | -0.10 | 1355.394287 | -0.10 | 3.573728 | $ 161,839 | 0 | $ - | $ 161,839.16 | 3.594236 | $ 162,768 | 0 | $ - | $ 162,767.88 |
| 223 | 1367.9564 | 1368.206421 | Residential | 6903.520142 | $ 5,011,956 | $ 2,505,978 | 1368.126953 | -0.08 | 1368.130005 | -0.08 | 1368.12915 | -0.08 | 1368.12915 | -0.08 | 3.682128 | $ 184,547 | 0.00 | $ - | $ 184,546.62 | 3.690916 | $ 184,987 | 0.00 | $ - | $ 184,987.07 |
| 224 | 1367.7229 | 1367.9729 | Residential | 7568.887512 | $ 5,495,012 | $ 2,747,506 | 1367.817627 | -0.16 | 1367.819946 | -0.15 | 1367.859985 | -0.11 | 1367.819946 | -0.15 | 3.378908 | $ 185,671 | 0 | $ - | $ 185,671.41 | 3.388184 | $ 186,181 | 0 | $ - | $ 186,181.13 |
| 225 | 1372.2632 | 1372.513184 | Residential | 6819.513489 | $ 4,950,967 | $ 2,475,483 | 1372.534302 | 0.02 | 1372.530029 | 0.02 | 1372.535645 | 0.02 | 1372.535645 | 0.02 | 4.63 | $ 229,405 | 0.89 | $ 21,956 | $ 251,361.48 | 4.67 | $ 231,400 | 0.00 | $ - | $ 231,399.77 |
| 226 | 1382.7257 | 1382.975708 | Residential | 414.181458 | $ 300,696 | $ 150,348 | 1382.818604 | -0.16 | 1382.819946 | -0.16 | 1382.976807 | 0.00 | 1383.06543 | 0.09 | 3.371584 | $ 10,138 | 0.00 | $ - | $ 10,138.21 | 6.69166 | $ 20,122 | 0.00 | $ - | $ 20,121.54 |
| 227 | 1377.9037 | 1378.153687 | Residential | 6325.296997 | $ 4,592,166 | $ 2,296,083 | 1377.931274 | -0.22 | 1377.93042 | -0.22 | 1377.95105 | -0.20 | 1377.956909 | -0.20 | 3.11 | $ 142,832 | 0.00 | $ - | $ 142,832.33 | 3.21 | $ 147,541 | 0.00 | $ - | $ 147,541.14 |
| 228 | 1369.9781 | 1370.228149 | Residential | 7107.003967 | $ 5,159,685 | $ 2,579,842 | 1370.020264 | -0.21 | 1370.02002 | -0.21 | 1370.023315 | -0.20 | 1370.023315 | -0.20 | 3.17 | $ 163,483 | 0.00 | $ - | $ 163,482.55 | 3.18 | $ 164,112 | 0.00 | $ - | $ 164,112.24 |
| 229 | 1366.7046 | 1366.95459 | Residential | 6420.218262 | $ 4,661,078 | $ 2,330,539 | 1366.699341 | -0.26 | 1366.699951 | -0.25 | 1366.702881 | -0.25 | 1366.702881 | -0.25 | 2.98 | $ 138,854 | 0.00 | $ - | $ 138,853.71 | 2.99 | $ 139,514 | 0.00 | $ - | $ 139,513.72 |
| 230 | 1355.0955 | 1355.345459 | Residential | 7691.567017 | $ 5,584,078 | $ 2,792,039 | 1355.132324 | -0.21 | 1355.130005 | -0.22 | 1355.30835 | -0.04 | 1355.136841 | -0.21 | 3.14746 | $ 175,757 | 0 | $ - | $ 175,756.61 | 3.165528 | $ 176,766 | 19.65673794 | $ 548,824 | $ 725,589.30 |
| 231 | 1372.5229 | 1372.772949 | Residential | 7904.628235 | $ 5,738,760 | $ 2,869,380 | 1372.625 | -0.15 | 1372.622925 | -0.15 | 1372.852051 | 0.08 | 1372.627319 | -0.15 | 3.408204 | $ 195,589 | 0 | $ - | $ 195,588.65 | 3.41748 | $ 196,121 | 0 | $ - | $ 196,120.98 |
| 232 | 1373.4587 | 1373.70874 | Residential | 6641.056396 | $ 4,821,407 | $ 2,410,703 | 1373.506714 | -0.20 | 1373.506592 | -0.20 | 1373.51062 | -0.20 | 1373.51062 | -0.20 | 3.19 | $ 153,894 | 0.00 | $ - | $ 153,894.30 | 3.21 | $ 154,648 | 0.00 | $ - | $ 154,647.59 |
| 233 | 1368.4092 | 1368.65918 | Residential | 650.331116 | $ 472,140 | $ 236,070 | 1368.462769 | -0.20 | 1368.466675 | -0.19 | 1368.465942 | -0.19 | 1368.465942 | -0.19 | 3.214356 | $ 15,176 | 0 | $ - | $ 15,176.27 | 3.227048 | $ 15,236 | 0 | $ - | $ 15,236.20 |
| 234 | 1360.5137 | 1360.763672 | Residential | 6230.277466 | $ 4,523,181 | $ 2,261,591 | 1360.886719 | 0.12 | 1360.882568 | 0.12 | 1361.106689 | 0.34 | 1360.874512 | 0.11 | 7.69141 | $ 347,896 | 5.167974 | $ 116,878 | $ 464,774.85 | 7.3252 | $ 331,332 | 0 | $ - | $ 331,332.09 |
| 235 | 1353.9615 | 1354.211548 | Residential | 6218.86676 | $ 4,514,897 | $ 2,257,449 | 1354.11731 | -0.09 | 1354.119995 | -0.09 | 1354.119385 | -0.09 | 1354.119385 | -0.09 | 3.62 | $ 163,577 | 0.00 | $ - | $ 163,576.90 | 3.63 | $ 163,952 | 0.00 | $ - | $ 163,951.63 |
| 236 | 1361.0813 | 1361.331299 | Residential | 552.338257 | $ 400,998 | $ 200,499 | 1361.399292 | 0.07 | 1361.398926 | 0.07 | 1361.947754 | 0.62 | 1361.722046 | 0.39 | 6.03979 | $ 24,219 | 2.855706 | $ 5,726 | $ 29,945.07 | 15.72241 | $ 63,046 | 8.90551746 | $ 17,855 | $ 80,901.94 |
| 237 | 1363.077 | 1363.327026 | Residential | 10609.44226 | $ 7,702,455 | $ 3,851,228 | 1363.127563 | -0.20 | 1363.130005 | -0.20 | 1363.129761 | -0.20 | 1363.129761 | -0.20 | 3.20 | $ 246,644 | 0.00 | $ - | $ 246,644.01 | 3.21 | $ 247,321 | 0.00 | $ - | $ 247,321.21 |
| 238 | 1349.4791 | 1349.729126 | Residential | 1499.625549 | $ 1,088,728 | $ 544,364 | 1349.505493 | -0.22 | 1349.505371 | -0.22 | 1349.608521 | -0.12 | 1349.554077 | -0.18 | 3.105468 | $ 33,810 | 0 | $ - | $ 33,810.10 | 3.299804 | $ 35,926 | 0 | $ - | $ 35,925.89 |
| 239 | 1368.2323 | 1368.4823 | Residential | 6792.286804 | $ 4,931,200 | $ 2,465,600 | 1368.323364 | -0.16 | 1368.321777 | -0.16 | 1368.325684 | -0.16 | 1368.325684 | -0.16 | 3.36 | $ 165,898 | 0.00 | $ - | $ 165,898.20 | 3.37 | $ 166,356 | 9.72 | $ 239,547 | $ 405,903.07 |
| 240 | 1366.8684 | 1367.118408 | Residential | 6303.598511 | $ 4,576,413 | $ 2,288,206 | 1366.92749 | -0.19 | 1366.926025 | -0.19 | 1366.931519 | -0.19 | 1366.931519 | -0.19 | 3.236328 | $ 148,108 | 0 | $ - | $ 148,107.72 | 3.252444 | $ 148,845 | 0 | $ - | $ 148,845.25 |
| 241 | 1381.4254 | 1381.675415 | Residential | 8258.813843 | $ 5,995,899 | $ 2,997,949 | 1381.619629 | -0.06 | 1381.620728 | -0.05 | 1381.691772 | 0.02 | 1381.666382 | -0.01 | 3.776856 | $ 226,456 | 0 | $ - | $ 226,456.47 | 3.963868 | $ 237,670 | 0 | $ - | $ 237,669.52 |
| 242 | 1374.0637 | 1374.313721 | Residential | 1514.909546 | $ 1,099,824 | $ 549,912 | 1374.154053 | -0.16 | 1374.150024 | -0.16 | 1374.155151 | -0.16 | 1374.155273 | -0.16 | 3.361328 | $ 36,969 | 0 | $ - | $ 36,968.70 | 3.366208 | $ 37,022 | 0 | $ - | $ 37,022.37 |
| 243 | 1361.5778 | 1361.827759 | Residential | 5731.376465 | $ 4,160,979 | $ 2,080,490 | 1361.610352 | -0.22 | 1361.609985 | -0.22 | 1361.613403 | -0.21 | 1361.613403 | -0.21 | 3.13 | $ 130,254 | 0.00 | $ - | $ 130,254.13 | 3.14 | $ 130,762 | 5.05 | $ 105,066 | $ 235,827.68 |
| 244 | 1368.0669 | 1368.316895 | Residential | 820.711121 | $ 595,836 | $ 297,918 | 1368.264038 | -0.05 | 1368.26001 | -0.06 | 1368.454102 | 0.14 | 1368.264893 | -0.05 | 3.788572 | $ 22,574 | 0 | $ - | $ 22,573.69 | 3.791992 | $ 22,594 | 0 | $ - | $ 22,594.06 |
| 245 | 1377.4694 | 1377.71936 | Residential | 9322.061707 | $ 6,767,817 | $ 3,383,908 | 1377.481201 | -0.24 | 1377.478882 | -0.24 | 1377.491089 | -0.23 | 1377.491089 | -0.23 | 3.05 | $ 206,240 | 0.00 | $ - | $ 206,240.01 | 3.09 | $ 208,917 | 0.00 | $ - | $ 208,916.82 |
| 246 | 1370.7789 | 1371.028931 | Residential | 4462.246643 | $ 3,239,591 | $ 1,619,796 | 1370.87854 | -0.15 | 1370.880005 | -0.15 | 1370.880981 | -0.15 | 1370.880981 | -0.15 | 3.398436 | $ 110,095 | 0 | $ - | $ 110,095.43 | 3.4082 | $ 110,412 | 0 | $ - | $ 110,411.74 |
| 247 | 1383.4347 | 1383.684692 | Residential | 5164.128662 | $ 3,749,157 | $ 1,874,579 | 1383.55481 | -0.13 | 1383.557129 | -0.13 | 1383.557861 | -0.13 | 1383.557861 | -0.13 | 3.48 | $ 130,488 | 0.00 | $ - | $ 130,488.37 | 3.49 | $ 130,946 | 0.00 | $ - | $ 130,945.92 |
| 248 | 1383.4193 | 1383.669312 | Residential | 5801.94397 | $ 4,212,211 | $ 2,106,106 | 1383.576904 | -0.09 | 1383.579956 | -0.09 | 1383.578613 | -0.09 | 1383.578491 | -0.09 | 3.630368 | $ 152,919 | 0.00 | $ - | $ 152,918.77 | 3.636716 | $ 153,186 | 0.00 | $ - | $ 153,186.16 |
| 249 | 1364.1787 | 1364.428711 | Residential | 4602.597412 | $ 3,341,486 | $ 1,670,743 | 1364.308594 | -0.12 | 1364.310059 | -0.12 | 1364.533447 | 0.10 | 1364.389771 | -0.04 | 3.52 | $ 117,605 | 0.00 | $ - | $ 117,604.66 | 3.84 | $ 128,455 | 0.00 | $ - | $ 128,454.73 |
| 250 | 1378.4397 | 1378.689697 | Residential | 5496.526245 | $ 3,990,478 | $ 1,995,239 | 1378.47644 | -0.21 | 1378.47998 | -0.21 | 1378.478271 | -0.21 | 1378.478271 | -0.21 | 3.15 | $ 125,579 | 0.00 | $ - | $ 125,579.23 | 3.15 | $ 125,871 | 6.32 | $ 126,130 | $ 252,001.18 |
| 251 | 1380.9373 | 1381.187256 | Residential | 5218.038513 | $ 3,788,296 | $ 1,894,148 | 1380.941772 | -0.25 | 1380.939819 | -0.25 | 1380.987305 | -0.20 | 1381.089478 | -0.10 | 3.02 | $ 114,333 | 0.00 | $ - | $ 114,333.20 | 3.61 | $ 136,715 | 14.10 | $ 267,058 | $ 403,773.58 |
| 252 | 1384.512 | 1384.761963 | Residential | 4131.500061 | $ 2,999,469 | $ 1,499,735 | 1384.564697 | -0.20 | 1384.560059 | -0.20 | 1384.589355 | -0.17 | 1384.589355 | -0.17 | 3.210936 | $ 96,311 | 0 | $ - | $ 96,311.03 | 3.309568 | $ 99,269 | 0 | $ - | $ 99,269.47 |
| 253 | 1359.9803 | 1360.230347 | Residential | 2268.955322 | $ 1,647,262 | $ 823,631 | 1360.014893 | -0.22 | 1360.013794 | -0.22 | 1360.255005 | 0.02 | 1360.105713 | -0.12 | 3.138184 | $ 51,694 | 0 | $ - | $ 51,694.10 | 3.501464 | $ 57,678 | 3.1171875 | $ 25,674 | $ 83,352.39 |
| 254 | 1352.5721 | 1352.822144 | Residential | 5705.019409 | $ 4,141,844 | $ 2,070,922 | 1352.655762 | -0.17 | 1352.660034 | -0.16 | 1352.8479 | 0.03 | 1352.69519 | -0.13 | 3.33 | $ 138,109 | 0.00 | $ - | $ 138,108.63 | 3.49 | $ 144,641 | 0.28 | $ 5,733 | $ 150,374.28 |
| 255 | 1377.2522 | 1377.502197 | Residential | 6675.252869 | $ 4,846,234 | $ 2,423,117 | 1377.436279 | -0.07 | 1377.435181 | -0.07 | 1377.437622 | -0.06 | 1377.437744 | -0.06 | 3.74 | $ 181,071 | 0.00 | $ - | $ 181,071.18 | 3.74 | $ 181,355 | 0.00 | $ - | $ 181,355.17 |
| 256 | 1378.1875 | 1378.4375 | Residential | 1162.67511 | $ 844,102 | $ 422,051 | 1378.304199 | -0.13 | 1378.302246 | -0.14 | 1378.308716 | -0.13 | 1378.308716 | -0.13 | 3.466796 | $ 29,263 | 0 | $ - | $ 29,263.30 | 3.484864 | $ 29,416 | 0 | $ - | $ 29,415.81 |
| 257 | 1351.558 | 1351.807983 | Residential | 7151.573364 | $ 5,192,042 | $ 2,596,021 | 1351.605347 | -0.20 | 1351.609985 | -0.20 | 1351.660278 | -0.15 | 1351.607544 | -0.20 | 3.189456 | $ 165,598 | 0 | $ - | $ 165,597.90 | 3.198244 | $ 166,054 | 0 | $ - | $ 166,054.18 |
| 258 | 1352.8057 | 1353.055664 | Residential | 1599.585388 | $ 1,161,299 | $ 580,649 | 1352.888916 | -0.17 | 1352.890991 | -0.16 | 1353.143311 | 0.09 | 1352.966919 | -0.09 | 3.333008 | $ 38,706 | 0 | $ - | $ 38,706.19 | 3.64502 | $ 42,330 | 0 | $ - | $ 42,329.58 |
| 259 | 1359.526 | 1359.776001 | Residential | 5013.345703 | $ 3,639,689 | $ 1,819,844 | 1359.563477 | -0.21 | 1359.560059 | -0.22 | 1359.815674 | 0.04 | 1359.676147 | -0.10 | 3.15 | $ 114,647 | 0.00 | $ - | $ 114,646.71 | 3.60 | $ 131,050 | 0.00 | $ - | $ 131,050.06 |
| 260 | 1369.9309 | 1370.180908 | Residential | 1631.4505 | $ 1,184,433 | $ 592,217 | 1370.001343 | -0.18 | 1370.003662 | -0.18 | 1370.005859 | -0.18 | 1370.005859 | -0.18 | 3.28 | $ 38,870 | 0.00 | $ - | $ 38,870.01 | 3.30 | $ 39,084 | 13.37 | $ 79,186 | $ 118,269.80 |
| 261 | 1364.5201 | 1364.770142 | Residential | 6330.97168 | $ 4,596,285 | $ 2,298,143 | 1364.756348 | -0.01 | 1364.76001 | -0.01 | 1364.758057 | -0.01 | 1364.758057 | -0.01 | 3.944824 | $ 181,315 | 0 | $ - | $ 181,315.37 | 3.95166 | $ 181,630 | 0 | $ - | $ 181,629.57 |
| 262 | 1379.0126 | 1379.262573 | Residential | 11915.48267 | $ 8,650,640 | $ 4,325,320 | 1379.315308 | 0.05 | 1379.310059 | 0.05 | 1379.430786 | 0.17 | 1379.430786 | 0.17 | 5.58 | $ 482,883 | 2.21 | $ 95,800 | $ 578,683.29 | 9.05 | $ 782,571 | 0.00 | $ - | $ 782,570.67 |
| 263 | 1380.3851 | 1380.635132 | Residential | 839.351196 | $ 609,369 | $ 304,684 | 1380.475952 | -0.16 | 1380.473145 | -0.16 | 1380.871704 | 0.24 | 1380.726929 | 0.09 | 3.36 | $ 20,495 | 0.00 | $ - | $ 20,494.78 | 6.75 | $ 41,156 | 0.00 | $ - | $ 41,156.23 |
| 264 | 1350.6312 | 1350.881226 | Residential | 11002.85187 | $ 7,988,070 | $ 3,994,035 | 1350.748291 | -0.13 | 1350.744751 | -0.14 | 1350.750366 | -0.13 | 1350.750366 | -0.13 | 3.46826 | $ 277,047 | 0 | $ - | $ 277,047.05 | 3.47656 | $ 277,710 | 0 | $ - | $ 277,710.06 |
| 265 | 1362.2693 | 1362.519287 | Residential | 8576.057251 | $ 6,226,218 | $ 3,113,109 | 1362.358276 | -0.16 | 1362.359985 | -0.16 | 1362.360718 | -0.16 | 1362.360718 | -0.16 | 3.355956 | $ 208,949 | 0 | $ - | $ 208,949.12 | 3.365724 | $ 209,557 | 0 | $ - | $ 209,557.30 |
| 266 | 1379.4694 | 1379.71936 | Residential | 541.316711 | $ 392,996 | $ 196,498 | 1379.508667 | -0.21 | 1379.511963 | -0.21 | 1379.52002 | -0.20 | 1379.52002 | -0.20 | 3.157228 | $ 12,408 | 0 | $ - | $ 12,407.78 | 3.20264 | $ 12,586 | 0 | $ - | $ 12,586.24 |
| 267 | 1375.348 | 1375.598022 | Residential | 5572.635681 | $ 4,045,734 | $ 2,022,867 | 1375.486694 | -0.11 | 1375.48999 | -0.11 | 1375.488647 | -0.11 | 1375.488647 | -0.11 | 3.554688 | $ 143,813 | 0 | $ - | $ 143,813.20 | 3.5625 | $ 144,129 | 0 | $ - | $ 144,129.26 |
| 268 | 1369.1 | 1369.349976 | Residential | 4953.879761 | $ 3,596,517 | $ 1,798,258 | 1369.13855 | -0.21 | 1369.140015 | -0.21 | 1369.140991 | -0.21 | 1369.140991 | -0.21 | 3.154296 | $ 113,445 | 0 | $ - | $ 113,444.78 | 3.16406 | $ 113,796 | 1.66113276 | $ 29,871 | $ 143,667.41 |
| 269 | 1375.8182 | 1376.068237 | Residential | 7317.905151 | $ 5,312,799 | $ 2,656,400 | 1375.90625 | -0.16 | 1375.910034 | -0.16 | 1375.908203 | -0.16 | 1375.908203 | -0.16 | 3.352052 | $ 178,088 | 0 | $ - | $ 178,087.79 | 3.359864 | $ 178,503 | 0 | $ - | $ 178,502.83 |
| 270 | 1372.4429 | 1372.692871 | Residential | 5703.677429 | $ 4,140,870 | $ 2,070,435 | 1372.499146 | -0.19 | 1372.5 | -0.19 | 1372.842041 | 0.15 | 1372.760498 | 0.07 | 3.2251 | $ 133,547 | 0 | $ - | $ 133,547.19 | 6.02881 | $ 249,645 | 0 | $ - | $ 249,645.17 |
| 271 | 1373.303 | 1373.552979 | Residential | 4983.422424 | $ 3,617,965 | $ 1,808,982 | 1373.359741 | -0.19 | 1373.359985 | -0.19 | 1373.362549 | -0.19 | 1373.362549 | -0.19 | 3.23 | $ 116,753 | 0.00 | $ - | $ 116,753.46 | 3.24 | $ 117,160 | 0.00 | $ - | $ 117,159.83 |
| 272 | 1374.13 | 1374.380005 | Residential | 1252.694458 | $ 909,456 | $ 454,728 | 1374.165894 | -0.21 | 1374.165894 | -0.21 | 1374.209473 | -0.17 | 1374.31543 | -0.06 | 3.14 | $ 28,589 | 0.00 | $ - | $ 28,589.26 | 3.74 | $ 34,029 | 0.00 | $ - | $ 34,029.12 |
| 273 | 1380.0908 | 1380.34082 | Residential | 6937.932373 | $ 5,036,939 | $ 2,518,469 | 1380.18396 | -0.16 | 1380.179443 | -0.16 | 1380.187744 | -0.15 | 1380.187744 | -0.15 | 3.37256 | $ 169,874 | 0 | $ - | $ 169,873.79 | 3.387696 | $ 170,636 | 0 | $ - | $ 170,636.18 |
| 274 | 1367.9772 | 1368.227173 | Residential | 913.789795 | $ 663,411 | $ 331,706 | 1368.055054 | -0.17 | 1368.054565 | -0.17 | 1368.118164 | -0.11 | 1368.118652 | -0.11 | 3.311524 | $ 21,969 | 0 | $ - | $ 21,969.03 | 3.565916 | $ 23,657 | 4.58349612 | $ 15,204 | $ 38,860.41 |
| 275 | 1385.3944 | 1385.644409 | Residential | 5771.407349 | $ 4,190,042 | $ 2,095,021 | 1385.609619 | -0.03 | 1385.606689 | -0.04 | 1385.611938 | -0.03 | 1385.611938 | -0.03 | 3.86084 | $ 161,771 | 0 | $ - | $ 161,770.81 | 3.870116 | $ 162,159 | 0 | $ - | $ 162,159.48 |
| 276 | 1387.2709 | 1387.520874 | Residential | 5552.046021 | $ 4,030,785 | $ 2,015,393 | 1387.311035 | -0.21 | 1387.310547 | -0.21 | 1387.504761 | -0.02 | 1387.318115 | -0.20 | 3.16 | $ 127,399 | 0.00 | $ - | $ 127,398.78 | 3.19 | $ 128,540 | 0.00 | $ - | $ 128,540.30 |
| 277 | 1367.6104 | 1367.860352 | Residential | 7009.434998 | $ 5,088,850 | $ 2,544,425 | 1367.910522 | 0.05 | 1367.907593 | 0.05 | 1367.91394 | 0.05 | 1367.91394 | 0.05 | 5.51 | $ 280,146 | 2.11 | $ 53,615 | $ 333,760.87 | 5.61 | $ 285,364 | 0.00 | $ - | $ 285,364.38 |
| 278 | 1363.4945 | 1363.744507 | Residential | 853.24762 | $ 619,458 | $ 309,729 | 1363.821899 | 0.08 | 1363.81604 | 0.07 | 1363.901367 | 0.16 | 1363.778931 | 0.03 | 6.32176 | $ 39,161 | 3.250464 | $ 10,068 | $ 49,228.26 | 5.03272 | $ 31,176 | 0 | $ - | $ 31,175.58 |
| 279 | 1350.0875 | 1350.337524 | Residential | 10697.2514 | $ 7,766,205 | $ 3,883,102 | 1350.165649 | -0.17 | 1350.170044 | -0.17 | 1350.167847 | -0.17 | 1350.167847 | -0.17 | 3.3125 | $ 257,256 | 0.00 | $ - | $ 257,255.52 | 3.321292 | $ 257,938 | 0.00 | $ - | $ 257,938.33 |
| 280 | 1376.0103 | 1376.260254 | Residential | 5828.388794 | $ 4,231,410 | $ 2,115,705 | 1376.113281 | -0.15 | 1376.110474 | -0.15 | 1376.322021 | 0.06 | 1376.210327 | -0.05 | 3.412108 | $ 144,380 | 0 | $ - | $ 144,380.29 | 3.800292 | $ 160,806 | 0 | $ - | $ 160,805.95 |
| 281 | 1363.2751 | 1363.525146 | Residential | 4981.87793 | $ 3,616,843 | $ 1,808,422 | 1363.585938 | 0.06 | 1363.589966 | 0.06 | 1363.587646 | 0.06 | 1363.587646 | 0.06 | 5.82 | $ 210,636 | 2.55 | $ 46,174 | $ 256,810.06 | 5.88 | $ 212,490 | 0.00 | $ - | $ 212,489.55 |
| 282 | 1364.8573 | 1365.1073 | Residential | 5441.521606 | $ 3,950,545 | $ 1,975,272 | 1364.873047 | -0.23 | 1364.869995 | -0.24 | 1365.18335 | 0.08 | 1365.019409 | -0.09 | 3.06 | $ 121,005 | 0.00 | $ - | $ 121,004.71 | 3.65 | $ 144,133 | 0.00 | $ - | $ 144,133.09 |
| 283 | 1354.2184 | 1354.468384 | Residential | 8289.320374 | $ 6,018,047 | $ 3,009,023 | 1354.248779 | -0.22 | 1354.25 | -0.22 | 1354.251343 | -0.22 | 1354.251343 | -0.22 | 3.12158 | $ 187,858 | 0 | $ - | $ 187,858.14 | 3.131836 | $ 188,475 | 0 | $ - | $ 188,475.35 |
| 284 | 1372.8903 | 1373.140259 | Residential | 8222.430359 | $ 5,969,484 | $ 2,984,742 | 1373.056763 | -0.08 | 1373.060059 | -0.08 | 1373.05896 | -0.08 | 1373.05896 | -0.08 | 3.666016 | $ 218,842 | 0.00 | $ - | $ 218,842.25 | 3.674804 | $ 219,367 | 0.00 | $ - | $ 219,366.85 |
| 285 | 1378.4001 | 1378.650146 | Residential | 676.52594 | $ 491,158 | $ 245,579 | 1378.46167 | -0.19 | 1378.463745 | -0.19 | 1378.816895 | 0.17 | 1378.637695 | -0.01 | 3.246096 | $ 15,943 | 0.00 | $ - | $ 15,943.45 | 3.950196 | $ 19,402 | 0.00 | $ - | $ 19,401.70 |
| 286 | 1368.6187 | 1368.868652 | Residential | 5465.292114 | $ 3,967,802 | $ 1,983,901 | 1368.747925 | -0.12 | 1368.75 | -0.12 | 1368.750244 | -0.12 | 1368.750244 | -0.12 | 3.517092 | $ 139,551 | 0.00 | $ - | $ 139,551.25 | 3.526368 | $ 139,919 | 0.00 | $ - | $ 139,919.30 |
| 287 | 1367.5726 | 1367.822632 | Residential | 1352.527161 | $ 981,935 | $ 490,967 | 1367.605469 | -0.22 | 1367.606201 | -0.22 | 1367.737671 | -0.08 | 1367.611938 | -0.21 | 3.131348 | $ 30,748 | 0.00 | $ - | $ 30,747.79 | 3.157224 | $ 31,002 | 0.00 | $ - | $ 31,001.88 |
| 288 | 1374.5093 | 1374.759277 | Residential | 7223.822937 | $ 5,244,495 | $ 2,622,248 | 1374.658447 | -0.10 | 1374.660034 | -0.10 | 1374.661987 | -0.10 | 1374.661987 | -0.10 | 3.59668 | $ 188,628 | 0.00 | $ - | $ 188,627.72 | 3.61084 | $ 189,370 | 0.00 | $ - | $ 189,370.34 |
| 289 | 1374.952 | 1375.202026 | Residential | 5736.555786 | $ 4,164,740 | $ 2,082,370 | 1375.108032 | -0.09 | 1375.109985 | -0.09 | 1375.367554 | 0.17 | 1375.110474 | -0.09 | 3.624024 | $ 150,931 | 0.00 | $ - | $ 150,931.16 | 3.633792 | $ 151,338 | 0.00 | $ - | $ 151,337.97 |
| 290 | 1384.7537 | 1385.003662 | Residential | 5160.67395 | $ 3,746,649 | $ 1,873,325 | 1384.845093 | -0.16 | 1384.845825 | -0.16 | 1384.84729 | -0.16 | 1384.84729 | -0.16 | 3.365724 | $ 126,102 | 0.00 | $ - | $ 126,101.87 | 3.374512 | $ 126,431 | 0.00 | $ - | $ 126,431.13 |
| 291 | 1384.5807 | 1384.830688 | Residential | 5555.55072 | $ 4,033,330 | $ 2,016,665 | 1384.603516 | -0.23 | 1384.602539 | -0.23 | 1384.821777 | -0.01 | 1384.624878 | -0.21 | 3.091312 | $ 124,683 | 0.00 | $ - | $ 124,682.81 | 3.17676 | $ 128,129 | 0.00 | $ - | $ 128,129.21 |

## 10-Year and 100-Year Existing Building Damages in Area K

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 292 | 1350.9303 | 1351.180298 | Residential | 1578.312317 | $ 1,145,855 | $ 572,927 | 1350.985352 | -0.19 | 1350.98999 | -0.19 | 1350.987427 | -0.19 | 1350.987305 | -0.19 | 3.220216 | $ 36,899 | 0 | $ - | $ 36,899.00 | 3.228028 | $ 36,989 | 0.00 | $ - | $ 36,988.51 |
| 293 | 1367.7457 | 1367.995728 | Residential | 11956.06262 | $ 8,680,101 | $ 4,340,051 | 1367.846802 | -0.15 | 1367.847534 | -0.15 | 1368.100586 | 0.10 | 1368.070801 | 0.08 | 3.404296 | $ 295,496 | 0 | $ - | $ 295,496.35 | 6.25219 | $ 542,696 | 0.00 | $ - | $ 542,696.44 |
| 294 | 1352.0001 | 1352.250122 | Residential | 344.753784 | $ 250,291 | $ 125,146 | 1352.016235 | -0.23 | 1352.016724 | -0.23 | 1352.041626 | -0.21 | 1352.020752 | -0.23 | 3.064452 | $ 7,670 | 0 | $ - | $ 7,670.06 | 3.08252 | $ 7,715 | 0.00 | $ - | $ 7,715.28 |
| 295 | 1368.4915 | 1368.741455 | Residential | 7669.678345 | $ 5,568,186 | $ 2,784,093 | 1368.560059 | -0.18 | 1368.560059 | -0.18 | 1368.562866 | -0.18 | 1368.562988 | -0.18 | 3.274416 | $ 182,326 | 0 | $ - | $ 182,325.59 | 3.286132 | $ 182,978 | 0.00 | $ - | $ 182,977.96 |
| 296 | 1366.8972 | 1367.147217 | Residential | 9063.669006 | $ 6,580,224 | $ 3,290,112 | 1367.174805 | 0.03 | 1367.174316 | 0.03 | 1367.441162 | 0.29 | 1367.081421 | -0.07 | 4.82764 | $ 317,670 | 1.158696 | $ 38,122 | $ 355,791.91 | 3.736816 | $ 245,891 | 0.00 | $ - | $ 245,890.85 |
| 297 | 1367.4869 | 1367.736938 | Residential | 8579.124695 | $ 6,228,445 | $ 3,114,222 | 1367.578857 | -0.16 | 1367.579956 | -0.16 | 1367.581543 | -0.16 | 1367.581543 | -0.16 | 3.367676 | $ 209,754 | 0 | $ - | $ 209,753.83 | 3.37842 | $ 210,423 | 0.00 | $ - | $ 210,423.02 |
| 298 | 1355.2068 | 1355.456787 | Residential | 9155.569641 | $ 6,646,944 | $ 3,323,472 | 1355.265381 | -0.19 | 1355.27002 | -0.19 | 1355.2677 | -0.19 | 1355.2677 | -0.19 | 3.234376 | $ 214,987 | 0 | $ - | $ 214,987.15 | 3.243652 | $ 215,604 | 0.00 | $ - | $ 215,603.72 |
| 299 | 1364.124 | 1364.374023 | Residential | 4618.256714 | $ 3,352,854 | $ 1,676,427 | 1364.23877 | -0.14 | 1364.23999 | -0.13 | 1364.339722 | -0.03 | 1364.241455 | -0.13 | 3.458988 | $ 115,975 | 0 | $ - | $ 115,974.83 | 3.469728 | $ 116,335 | 0.00 | $ - | $ 116,334.93 |
| 300 | 1376.0048 | 1376.254761 | Residential | 4963.528931 | $ 3,603,522 | $ 1,801,761 | 1376.107666 | -0.15 | 1376.109985 | -0.14 | 1376.109985 | -0.14 | 1376.109985 | -0.14 | 3.41162 | $ 122,938 | 0 | $ - | $ 122,938.48 | 3.420896 | $ 123,273 | 0.00 | $ - | $ 123,272.74 |
| 301 | 1379.886 | 1380.135986 | Residential | 7881.984436 | $ 5,722,321 | $ 2,861,160 | 1380.047241 | -0.09 | 1380.050049 | -0.09 | 1380.049561 | -0.09 | 1380.049561 | -0.09 | 3.64502 | $ 208,580 | 0 | $ - | $ 208,579.73 | 3.6543 | $ 209,111 | 0.00 | $ - | $ 209,110.77 |
| 302 | 1368.6685 | 1368.918457 | Residential | 5292.979675 | $ 3,842,703 | $ 1,921,352 | 1368.994873 | 0.08 | 1368.991821 | 0.07 | 1369.317749 | 0.40 | 1368.893799 | -0.02 | 6.29248 | $ 241,801 | 3.209472 | $ 61,665 | $ 303,466.58 | 3.901368 | $ 149,918 | 0.00 | $ - | $ 149,917.99 |
| 303 | 1367.4 | 1367.650024 | Residential | 424.157715 | $ 307,939 | $ 153,969 | 1367.44519 | -0.20 | 1367.449951 | -0.20 | 1367.513428 | -0.14 | 1367.51355 | -0.14 | 3.180664 | $ 9,794 | 0 | $ - | $ 9,794.49 | 3.454104 | $ 10,637 | 0.00 | $ - | $ 10,636.52 |
| 304 | 1378.8812 | 1379.131226 | Residential | 5535.167419 | $ 4,018,532 | $ 2,009,266 | 1378.9552 | -0.18 | 1378.953247 | -0.18 | 1378.95813 | -0.17 | 1378.95813 | -0.17 | 3.295896 | $ 132,447 | 0 | $ - | $ 132,446.62 | 3.307616 | $ 132,918 | 0.00 | $ - | $ 132,917.59 |
| 305 | 1366.5336 | 1366.783569 | Residential | 3380.404663 | $ 2,454,174 | $ 1,227,087 | 1367.192749 | 0.41 | 1367.193726 | 0.41 | 1367.414429 | 0.63 | 1367.108154 | 0.32 | 16.2754 | $ 399,427 | 17.18556 | $ 210,882 | $ 610,308.35 | 13.73755 | $ 337,143 | 0.00 | $ - | $ 337,143.35 |
| 306 | 1380.2086 | 1380.458618 | Residential | 15858.52405 | $ 11,513,288 | $ 5,756,644 | 1380.320923 | -0.14 | 1380.319946 | -0.14 | 1380.324341 | -0.13 | 1380.324341 | -0.13 | 3.44922 | $ 397,119 | 0 | $ - | $ 397,118.65 | 3.462892 | $ 398,693 | 0.00 | $ - | $ 398,692.74 |
| 307 | 1371.6975 | 1371.94751 | Residential | 5749.80481 | $ 4,174,358 | $ 2,087,179 | 1371.821777 | -0.13 | 1371.821655 | -0.13 | 1371.824951 | -0.12 | 1371.824829 | -0.12 | 3.497068 | $ 145,980 | 0 | $ - | $ 145,980.15 | 3.509276 | $ 146,490 | 0.00 | $ - | $ 146,489.75 |
| 308 | 1377.5427 | 1377.792725 | Residential | 13799.37878 | $ 10,018,349 | $ 5,009,174 | 1377.736206 | -0.06 | 1377.73999 | -0.05 | 1377.738037 | -0.05 | 1377.738037 | -0.05 | 3.773924 | $ 378,085 | 0 | $ - | $ 378,084.88 | 3.781248 | $ 378,819 | 0.00 | $ - | $ 378,818.62 |
| 309 | 1377.3077 | 1377.557739 | Residential | 1204.42157 | $ 874,410 | $ 437,205 | 1377.368042 | -0.19 | 1377.364624 | -0.19 | 1377.489746 | -0.07 | 1377.643188 | 0.09 | 3.241212 | $ 28,341 | 0 | $ - | $ 28,341.48 | 6.56347 | $ 57,392 | 8.66 | $ 37,882 | $ 95,273.53 |
| 310 | 1370.2943 | 1370.544312 | Residential | 1040.882263 | $ 755,681 | $ 377,840 | 1370.353149 | -0.19 | 1370.353394 | -0.19 | 1370.484985 | -0.06 | 1370.348022 | -0.20 | 3.235348 | $ 24,449 | 0 | $ - | $ 24,448.89 | 3.21484 | $ 24,294 | 0.00 | $ - | $ 24,293.92 |
| 311 | 1365.8914 | 1366.141357 | Residential | 4740.45105 | $ 3,441,567 | $ 1,720,784 | 1366.033447 | -0.11 | 1366.035645 | -0.11 | 1366.249756 | 0.11 | 1365.988525 | -0.15 | 3.56836 | $ 122,808 | 0 | $ - | $ 122,807.52 | 3.388672 | $ 116,623 | 0.00 | $ - | $ 116,623.43 |
| 312 | 1381.6313 | 1381.881348 | Residential | 5565.741516 | $ 4,040,728 | $ 2,020,364 | 1381.801147 | -0.08 | 1381.799072 | -0.08 | 1381.812256 | -0.07 | 1381.812378 | -0.07 | 3.679196 | $ 148,666 | 0 | $ - | $ 148,666.32 | 3.72412 | $ 150,482 | 0.00 | $ - | $ 150,481.57 |
| 313 | 1357.6017 | 1357.851685 | Residential | 4709.370728 | $ 3,419,003 | $ 1,709,502 | 1357.810059 | -0.04 | 1357.810059 | -0.04 | 1358.27124 | 0.42 | 1358.062866 | 0.21 | 3.835936 | $ 131,151 | 0 | $ - | $ 131,150.77 | 10.33543 | $ 353,369 | 6.02 | $ 102,896 | $ 456,264.64 |
| 314 | 1381.8502 | 1382.10022 | Residential | 5632.723511 | $ 4,089,357 | $ 2,044,679 | 1381.916626 | -0.18 | 1381.911987 | -0.19 | 1381.931274 | -0.17 | 1381.931152 | -0.17 | 3.265624 | $ 133,543 | 0 | $ - | $ 133,543.03 | 3.323728 | $ 135,919 | 0.00 | $ - | $ 135,919.11 |
| 315 | 1384.3489 | 1384.598877 | Residential | 328.131775 | $ 238,224 | $ 119,112 | 1384.548584 | -0.05 | 1384.546143 | -0.05 | 1384.72168 | 0.12 | 1384.906738 | 0.31 | 3.798828 | $ 9,050 | 0 | $ - | $ 9,049.71 | 13.23583 | $ 31,531 | 0.00 | $ - | $ 31,530.88 |
| 316 | 1361.4711 | 1361.721069 | Residential | 8114.740051 | $ 5,891,301 | $ 2,945,651 | 1361.568604 | -0.15 | 1361.569946 | -0.15 | 1361.571045 | -0.15 | 1361.571045 | -0.15 | 3.39014 | $ 199,723 | 0 | $ - | $ 199,723.36 | 3.399904 | $ 200,299 | 0.00 | $ - | $ 200,298.59 |
| 317 | 1360.3242 | 1360.574219 | Residential | 3291.969604 | $ 2,389,970 | $ 1,194,985 | 1360.664551 | 0.09 | 1360.660034 | 0.09 | 1360.869141 | 0.29 | 1360.613525 | 0.04 | 6.70996 | $ 160,366 | 3.793944 | $ 45,337 | $ 205,703.09 | 5.17918 | $ 123,781 | 0.00 | $ - | $ 123,780.84 |
| 318 | 1360.4828 | 1360.732788 | Residential | 7044.700256 | $ 5,114,452 | $ 2,557,226 | 1360.483276 | -0.25 | 1360.4823 | -0.25 | 1360.608276 | -0.12 | 1360.561768 | -0.17 | 3.001952 | $ 153,533 | 0 | $ - | $ 153,533.41 | 3.31592 | $ 169,591 | 0.00 | $ - | $ 169,591.15 |
| 319 | 1375.0812 | 1375.331177 | Residential | 7783.893127 | $ 5,651,106 | $ 2,825,553 | 1375.328735 | 0.00 | 1375.329956 | 0.00 | 1375.860107 | 0.53 | 1375.114136 | -0.22 | 3.990232 | $ 225,492 | 0 | $ - | $ 225,492.26 | 3.131836 | $ 176,983 | 0.00 | $ - | $ 176,983.38 |
| 320 | 1353.952 | 1354.202026 | Residential | 5427.761719 | $ 3,940,555 | $ 1,970,278 | 1354.112427 | -0.09 | 1354.115601 | -0.09 | 1354.115967 | -0.09 | 1354.114624 | -0.09 | 3.641604 | $ 143,499 | 0 | $ - | $ 143,499.41 | 3.650392 | $ 143,846 | 0.00 | $ - | $ 143,845.70 |
| 321 | 1366.7892 | 1367.039185 | Residential | 5971.685242 | $ 4,335,443 | $ 2,167,722 | 1366.812988 | -0.23 | 1366.810303 | -0.23 | 1367.24707 | 0.21 | 1366.943237 | -0.10 | 3.095212 | $ 134,191 | 0 | $ - | $ 134,191.17 | 3.616208 | $ 156,779 | 0.00 | $ - | $ 156,778.65 |
| 322 | 1378.1312 | 1378.381226 | Residential | 5963.877625 | $ 4,329,775 | $ 2,164,888 | 1378.215454 | -0.17 | 1378.214478 | -0.17 | 1378.220703 | -0.16 | 1378.220703 | -0.16 | 3.336912 | $ 144,481 | 0 | $ - | $ 144,480.79 | 3.357908 | $ 145,390 | 0.00 | $ - | $ 145,389.87 |
| 323 | 1370.1912 | 1370.441162 | Residential | 5864.994141 | $ 4,257,986 | $ 2,128,993 | 1370.313354 | -0.13 | 1370.310059 | -0.13 | 1370.500488 | 0.06 | 1370.292603 | -0.15 | 3.488768 | $ 148,551 | 0 | $ - | $ 148,551.24 | 3.405764 | $ 145,017 | 0.00 | $ - | $ 145,016.95 |
| 324 | 1364.6116 | 1364.861572 | Residential | 8787.81427 | $ 6,379,953 | $ 3,189,977 | 1364.679688 | -0.18 | 1364.684204 | -0.18 | 1364.681763 | -0.18 | 1364.681885 | -0.18 | 3.272464 | $ 208,782 | 0 | $ - | $ 208,781.67 | 3.281252 | $ 209,342 | 0.00 | $ - | $ 209,342.34 |
| 325 | 1367.1274 | 1367.377441 | Residential | 862.57312 | $ 626,228 | $ 313,114 | 1367.134888 | -0.24 | 1367.135864 | -0.24 | 1367.141968 | -0.24 | 1367.141968 | -0.24 | 3.029788 | $ 18,973 | 0 | $ - | $ 18,973.38 | 3.058108 | $ 19,151 | 0.00 | $ - | $ 19,150.73 |
| 326 | 1360.1703 | 1360.420288 | Residential | 6272.609619 | $ 4,553,915 | $ 2,276,957 | 1360.312744 | -0.11 | 1360.310059 | -0.11 | 1360.492432 | 0.07 | 1360.253784 | -0.17 | 3.569824 | $ 162,567 | 0 | $ - | $ 162,566.74 | 3.333984 | $ 151,827 | 0.00 | $ - | $ 151,826.78 |
| 327 | 1359.764 | 1360.014038 | Residential | 440.797302 | $ 320,019 | $ 160,009 | 1359.788696 | -0.23 | 1359.787354 | | 1359.799072 | -0.21 | 1359.799072 | -0.21 | | | | | $ 51,107,020 | -0.214966 | | | | $ 68,424,130.41 |

## 10-Year and 100-Year Proposed Building Damages in Area K

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 0 | 1372.7792 | 1373.029175 | Residential | 5062.750061 | $ 3,675,557 | $ 1,837,778 | 1372.830444 | -0.20 | 1372.829956 | -0.20 | 1372.834351 | -0.19 | 1372.834229 | -0.19 | 3.203124 | $ 117,733 | 0 | $ - | $ 117,732.63 | 3.220216 | $ 118,361 | 0 | $ - | $ 118,360.86 |
| 1 | 1371.6405 | 1371.890503 | Residential | 5114.190857 | $ 3,712,903 | $ 1,856,451 | 1371.667114 | -0.22 | 1371.670532 | -0.22 | 1371.717651 | -0.17 | 1371.717651 | -0.17 | 3.120116 | $ 115,847 | 0 | $ - | $ 115,846.87 | 3.308592 | $ 122,845 | 0 | $ - | $ 122,844.80 |
| 2 | 1367.0981 | 1367.348145 | Residential | 7006.825439 | $ 5,086,955 | $ 2,543,478 | 1367.262939 | -0.09 | 1367.262573 | -0.09 | 1367.392334 | 0.04 | 1367.224731 | -0.12 | 3.657712 | $ 186,066 | 0 | $ - | $ 186,066.17 | 3.506344 | $ 178,366 | 0 | $ - | $ 178,366.15 |
| 3 | 1374.369 | 1374.619019 | Residential | 5893.124573 | $ 4,278,408 | $ 2,139,204 | 1374.525391 | -0.09 | 1374.530029 | -0.09 | 1374.701172 | 0.08 | 1374.527344 | -0.09 | 3.64 | $ 155,907 | 0.00 | $ - | $ 155,906.91 | 3.63 | $ 155,447 | 0.00 | $ - | $ 155,447.41 |
| 4 | 1380.3344 | 1380.584351 | Residential | 14318.15601 | $ 10,394,981 | $ 5,197,491 | 1380.388672 | -0.20 | 1380.390015 | -0.19 | 1380.391846 | -0.19 | 1380.391846 | -0.19 | 3.222656 | $ 334,994 | 0 | $ - | $ 334,994.49 | 3.22998 | $ 335,756 | 0 | $ - | $ 335,755.82 |
| 5 | 1381.6091 | 1381.859131 | Residential | 8338.503479 | $ 6,053,754 | $ 3,026,877 | 1381.669556 | -0.19 | 1381.670044 | -0.19 | 1381.842529 | -0.02 | 1382.071655 | 0.21 | 3.24 | $ 196,363 | 0.00 | $ - | $ 196,362.70 | 10.38 | $ 628,121 | 8.93 | $ 270,179 | $ 898,299.78 |
| 6 | 1365.7844 | 1366.034424 | Residential | 5481.086914 | $ 3,979,269 | $ 1,989,635 | 1366.240723 | 0.21 | 1366.241211 | 0.21 | 1366.375732 | 0.34 | 1366.19458 | 0.16 | 10.20 | $ 406,029 | 8.69 | $ 172,801 | $ 578,829.93 | 8.80 | $ 350,362 | 6.73 | $ 133,834 | $ 484,195.71 |
| 7 | 1361.3544 | 1361.60437 | Residential | 6888.243347 | $ 5,000,865 | $ 2,500,432 | 1361.438843 | -0.17 | 1361.439941 | -0.16 | 1361.44165 | -0.16 | 1361.441772 | -0.16 | 3.34 | $ 167,143 | 0.00 | $ - | $ 167,143.10 | 3.35 | $ 167,509 | 0.00 | $ - | $ 167,509.36 |
| 8 | 1373.5814 | 1373.831421 | Residential | 6063.259277 | $ 4,401,926 | $ 2,200,963 | 1373.639404 | -0.19 | 1373.638428 | -0.19 | 1373.656982 | -0.17 | 1373.656982 | -0.17 | 3.23 | $ 142,095 | 0.00 | $ - | $ 142,095.41 | 3.30 | $ 145,362 | 0.00 | $ - | $ 145,362.34 |
| 9 | 1369.5145 | 1369.764526 | Residential | 4737.382507 | $ 3,439,340 | $ 1,719,670 | 1369.589478 | -0.18 | 1369.589966 | -0.17 | 1369.974854 | 0.21 | 1369.854858 | 0.09 | 3.30 | $ 113,559 | 0.00 | $ - | $ 113,558.74 | 6.71 | $ 230,778 | 3.79 | $ 65,243 | $ 296,021.63 |
| 10 | 1375.5907 | 1375.840698 | Residential | 6107.704834 | $ 4,434,194 | $ 2,217,097 | 1375.984009 | 0.14 | 1375.97998 | 0.14 | 1375.985352 | 0.14 | 1375.985352 | 0.14 | 8.17846 | $ 362,649 | 5.849844 | $ 129,697 | $ 492,345.47 | 8.33962 | $ 369,795 | 6.075468 | $ 134,699 | $ 504,493.92 |
| 11 | 1359.4811 | 1359.731079 | Residential | 7633.545288 | $ 5,541,954 | $ 2,770,977 | 1359.544067 | -0.19 | 1359.540039 | -0.19 | 1359.545654 | -0.19 | 1359.545654 | -0.19 | 3.24 | $ 179,329 | 0.00 | $ - | $ 179,328.76 | 3.26 | $ 180,573 | 0.00 | $ - | $ 180,573.48 |
| 12 | 1349.402 | 1349.651978 | Residential | 12252.54138 | $ 8,895,345 | $ 4,447,673 | 1349.465942 | -0.19 | 1349.469971 | -0.18 | 1349.508179 | -0.14 | 1349.468506 | -0.18 | 3.27 | $ 291,053 | 0.00 | $ - | $ 291,053.20 | 3.27 | $ 290,532 | 0.00 | $ - | $ 290,531.93 |
| 13 | 1361.3274 | 1361.577393 | Residential | 670.759644 | $ 486,972 | $ 243,486 | 1361.39917 | -0.18 | 1361.403442 | -0.17 | 1361.462036 | -0.12 | 1361.462036 | -0.12 | 3.304196 | $ 16,090 | 0 | $ - | $ 16,090.49 | 3.538572 | $ 17,232 | 0 | $ - | $ 17,231.84 |
| 14 | 1371.7996 | 1372.049561 | Residential | 6368.654053 | $ 4,623,643 | $ 2,311,821 | 1371.908325 | -0.14 | 1371.910034 | -0.14 | 1371.910645 | -0.14 | 1371.910645 | -0.14 | 3.441892 | $ 159,141 | 0 | $ - | $ 159,140.79 | 3.444336 | $ 159,254 | 0 | $ - | $ 159,253.79 |
| 15 | 1378.1814 | 1378.431396 | Residential | 5794.169983 | $ 4,206,567 | $ 2,103,284 | 1378.244873 | -0.19 | 1378.24231 | -0.19 | 1378.333862 | -0.10 | 1378.259766 | -0.17 | 3.243656 | $ 136,447 | 0 | $ - | $ 136,446.58 | 3.31348 | $ 139,384 | 0 | $ - | $ 139,383.77 |
| 16 | 1358.1885 | 1358.438477 | Residential | 7644.869263 | $ 5,550,175 | $ 2,775,088 | 1358.328003 | -0.11 | 1358.329224 | -0.11 | 1358.330688 | -0.11 | 1358.330688 | -0.11 | 3.562988 | $ 197,752 | 0 | $ - | $ 197,752.07 | 3.568844 | $ 198,077 | 0 | $ - | $ 198,077.09 |
| 17 | 1365.3146 | 1365.564575 | Residential | 6809.630554 | $ 4,943,792 | $ 2,471,896 | 1365.397461 | -0.17 | 1365.400024 | -0.16 | 1365.399536 | -0.17 | 1365.399658 | -0.16 | 3.341796 | $ 165,211 | 0 | $ - | $ 165,211.44 | 3.340332 | $ 165,139 | 0 | $ - | $ 165,139.06 |
| 18 | 1379.1108 | 1379.36084 | Residential | 5093.971191 | $ 3,698,223 | $ 1,849,112 | 1379.271729 | -0.09 | 1379.27478 | -0.09 | 1379.27478 | -0.09 | 1379.274902 | -0.09 | 3.65576 | $ 135,198 | 0 | $ - | $ 135,198.16 | 3.656248 | $ 135,216 | 0 | $ - | $ 135,216.21 |
| 19 | 1378.9204 | 1379.17041 | Residential | 2066.832153 | $ 1,500,520 | $ 750,260 | 1378.949951 | -0.22 | 1378.947754 | -0.22 | 1378.994751 | -0.18 | 1378.994751 | -0.18 | 3.109376 | $ 46,657 | 0 | $ - | $ 46,656.81 | 3.297364 | $ 49,478 | 0 | $ - | $ 49,477.61 |
| 20 | 1363.8187 | 1364.068726 | Residential | 9950.357239 | $ 7,223,959 | $ 3,611,980 | 1363.894775 | -0.17 | 1363.890015 | -0.18 | 1363.896851 | -0.17 | 1363.896851 | -0.17 | 3.285156 | $ 237,318 | 0 | $ - | $ 237,318.33 | 3.3125 | $ 239,294 | 0 | $ - | $ 239,293.65 |
| 21 | 1359.7377 | 1359.987671 | Residential | 98.510803 | $ 71,519 | $ 35,759 | 1359.800293 | -0.19 | 1359.802612 | -0.19 | 1360.027832 | 0.04 | 1359.882813 | -0.10 | 3.259764 | $ 2,331 | 0 | $ - | $ 2,331.35 | 3.580568 | $ 2,561 | 0 | $ - | $ 2,560.78 |
| 22 | 1353.2081 | 1353.45813 | Residential | 1837.229675 | $ 1,333,829 | $ 666,914 | 1353.245239 | -0.21 | 1353.25 | -0.21 | 1353.318115 | -0.14 | 1353.247559 | -0.21 | 3.16748 | $ 42,249 | 0 | $ - | $ 42,248.76 | 3.157716 | $ 42,119 | 0 | $ - | $ 42,118.52 |
| 23 | 1353.9991 | 1354.249146 | Residential | 2561.5896 | $ 1,859,714 | $ 929,857 | 1354.064209 | -0.18 | 1354.060059 | -0.19 | 1354.065796 | -0.18 | 1354.065918 | -0.18 | 3.243652 | $ 60,323 | 0 | $ - | $ 60,322.65 | 3.267088 | $ 60,758 | 0 | $ - | $ 60,758.49 |
| 24 | 1376.0033 | 1376.253296 | Residential | 5004.554688 | $ 3,633,307 | $ 1,816,653 | 1376.087891 | -0.17 | 1376.089478 | -0.16 | 1376.089844 | -0.16 | 1376.089844 | -0.16 | 3.344728 | $ 121,524 | 0 | $ - | $ 121,524.23 | 3.346192 | $ 121,577 | 0 | $ - | $ 121,577.42 |
| 25 | 1366.6973 | 1366.947266 | Residential | 956.661987 | $ 694,537 | $ 347,268 | 1366.791504 | -0.16 | 1366.790039 | -0.16 | 1366.90979 | -0.04 | 1366.796265 | -0.15 | 3.37 | $ 23,413 | 0.00 | $ - | $ 23,413.47 | 3.40 | $ 23,586 | 0.00 | $ - | $ 23,586.44 |
| 26 | 1377.9141 | 1378.164063 | Residential | 272.638306 | $ 197,935 | $ 98,968 | 1377.926147 | -0.24 | 1377.927246 | -0.24 | 1377.952148 | -0.21 | 1377.965576 | -0.20 | 3.052732 | $ 6,042 | 0 | $ - | $ 6,042.44 | 3.206052 | $ 6,346 | 0 | $ - | $ 6,345.91 |
| 27 | 1359.7202 | 1359.970215 | Residential | 416.830383 | $ 302,619 | $ 151,309 | 1359.942627 | -0.03 | 1359.942261 | -0.03 | 1360.080933 | 0.11 | 1359.883057 | -0.09 | 3.89 | $ 11,766 | 0.00 | $ - | $ 11,766.38 | 3.65 | $ 11,050 | 0.00 | $ - | $ 11,049.73 |
| 28 | 1373.551 | 1373.801025 | Residential | 6621.999878 | $ 4,807,572 | $ 2,403,786 | 1373.600098 | -0.20 | 1373.599976 | -0.20 | 1373.670898 | -0.13 | 1373.695068 | -0.11 | 3.20 | $ 153,641 | 0.00 | $ - | $ 153,640.58 | 3.58 | $ 171,927 | 0.00 | $ - | $ 171,927.04 |
| 29 | 1376.4547 | 1376.704712 | Residential | 5605.584473 | $ 4,069,654 | $ 2,034,827 | 1376.563599 | -0.14 | 1376.560181 | -0.14 | 1376.62085 | -0.08 | 1376.62085 | -0.08 | 3.421876 | $ 139,259 | 0 | $ - | $ 139,258.52 | 3.664552 | $ 149,135 | 0 | $ - | $ 149,134.60 |
| 30 | 1350.1412 | 1350.391235 | Residential | 7004.17749 | $ 5,085,033 | $ 2,542,516 | 1350.164063 | -0.23 | 1350.166504 | -0.22 | 1350.671387 | 0.28 | 1350.452393 | 0.06 | 3.10 | $ 157,691 | 0.00 | $ - | $ 157,690.73 | 5.83 | $ 296,698 | 2.57 | $ 65,308 | $ 362,006.44 |
| 31 | 1349.6879 | 1349.937866 | Residential | 1574.908997 | $ 1,143,384 | $ 571,692 | 1349.755249 | -0.18 | 1349.76001 | -0.18 | 1349.999878 | 0.06 | 1349.757446 | -0.18 | 3.288576 | $ 37,601 | 0 | $ - | $ 37,601.05 | 3.27832 | $ 37,484 | 0 | $ - | $ 37,483.78 |
| 32 | 1351.7725 | 1352.022461 | Residential | 7068.87146 | $ 5,132,001 | $ 2,566,000 | 1352.024414 | 0.00 | 1352.02002 | 0.00 | 1352.026245 | 0.00 | 1352.026245 | 0.00 | 3.99 | $ 204,779 | 0.00 | $ - | $ 204,778.94 | 4.11 | $ 211,106 | 0.16 | $ 4,078 | $ 215,183.97 |
| 33 | 1361.1578 | 1361.407837 | Residential | 4317.881287 | $ 3,134,782 | $ 1,567,391 | 1361.28894 | -0.12 | 1361.291138 | -0.12 | 1361.297729 | -0.11 | 1361.293701 | -0.11 | 3.53 | $ 110,758 | 0.00 | $ - | $ 110,758.24 | 3.54 | $ 111,080 | 0.00 | $ - | $ 111,079.61 |
| 34 | 1380.4657 | 1380.715698 | Residential | 6718.879456 | $ 4,877,906 | $ 2,438,953 | 1380.545654 | -0.17 | 1380.550049 | -0.17 | 1380.547852 | -0.17 | 1380.675903 | -0.04 | 3.337404 | $ 162,795 | 0 | $ - | $ 162,795.45 | 3.84082 | $ 187,352 | 0 | $ - | $ 187,351.61 |
| 35 | 1352.3629 | 1352.612915 | Residential | 6026.699036 | $ 4,375,384 | $ 2,187,692 | 1352.395142 | -0.22 | 1352.400024 | -0.21 | 1352.397217 | -0.22 | 1352.397339 | -0.22 | 3.15 | $ 137,756 | 0.00 | $ - | $ 137,756.15 | 3.14 | $ 137,286 | 0.00 | $ - | $ 137,286.23 |
| 36 | 1364.9492 | 1365.199219 | Residential | 1969.893005 | $ 1,430,142 | $ 715,071 | 1365.000244 | -0.20 | 1365 | -0.20 | 1365.01001 | -0.19 | 1365.003052 | -0.20 | 3.203124 | $ 45,809 | 0 | $ - | $ 45,809.23 | 3.215332 | $ 45,984 | 0 | $ - | $ 45,983.82 |
| 37 | 1382.2072 | 1382.457153 | Residential | 12305.99646 | $ 8,934,153 | $ 4,467,077 | 1382.286987 | -0.17 | 1382.290039 | -0.17 | 1382.28894 | -0.17 | 1382.289063 | -0.17 | 3.331544 | $ 297,645 | 0 | $ - | $ 297,645.25 | 3.32764 | $ 297,296 | 0 | $ - | $ 297,296.46 |
| 38 | 1377.7423 | 1377.99231 | Residential | 5902.526306 | $ 4,285,234 | $ 2,142,617 | 1377.985107 | -0.01 | 1377.98999 | 0.00 | 1377.98645 | -0.01 | 1377.98645 | -0.01 | 3.99072 | $ 171,012 | 0 | $ - | $ 171,011.69 | 3.97656 | $ 170,405 | 0 | $ - | $ 170,404.91 |
| 39 | 1368.6111 | 1368.861084 | Residential | 5975.38501 | $ 4,338,130 | $ 2,169,065 | 1368.935913 | 0.07 | 1368.930054 | 0.07 | 1369.276367 | 0.42 | 1369.043823 | 0.18 | 6.0691 | $ 263,285 | 2.89674 | $ 62,832 | $ 326,117.59 | 9.48217 | $ 411,349 | 7.675038 | $ 166,477 | $ 577,825.36 |
| 40 | 1358.2589 | 1358.508911 | Residential | 758.56012 | $ 550,715 | $ 275,357 | 1358.344971 | -0.16 | 1358.339966 | -0.17 | 1358.346558 | -0.16 | 1358.346558 | -0.16 | 3.32 | $ 18,307 | 0.00 | $ - | $ 18,306.97 | 3.35 | $ 18,452 | 0.00 | $ - | $ 18,452.18 |
| 41 | 1365.7938 | 1366.043823 | Residential | 5147.26416 | $ 3,736,914 | $ 1,868,457 | 1365.838989 | -0.20 | 1365.839966 | -0.20 | 1365.861206 | -0.18 | 1365.849609 | -0.19 | 3.18 | $ 119,005 | 0.00 | $ - | $ 119,004.71 | 3.22 | $ 120,446 | 0.00 | $ - | $ 120,446.11 |
| 42 | 1362.7766 | 1363.026611 | Residential | 8623.175049 | $ 6,260,425 | $ 3,130,213 | 1362.801392 | -0.23 | 1362.800049 | -0.23 | 1362.804321 | -0.22 | 1362.804443 | -0.22 | 3.09 | $ 193,682 | 0.00 | $ - | $ 193,682.03 | 3.11 | $ 194,782 | 0.00 | $ - | $ 194,782.36 |
| 43 | 1362.8351 | 1363.085083 | Residential | 5379.317261 | $ 3,905,384 | $ 1,952,692 | 1362.961548 | -0.12 | 1362.95874 | -0.13 | 1363.098022 | 0.01 | 1362.971558 | -0.11 | 3.494628 | $ 136,479 | 0 | $ - | $ 136,478.65 | 3.5459 | $ 138,481 | 0 | $ - | $ 138,481.02 |
| 44 | 1373.3346 | 1373.584595 | Residential | 437.73584 | $ 317,796 | $ 158,898 | 1373.473999 | -0.11 | 1373.469971 | -0.11 | 1373.475342 | -0.11 | 1373.475342 | -0.11 | 3.541504 | $ 11,255 | 0 | $ - | $ 11,254.77 | 3.562988 | $ 11,323 | 0 | $ - | $ 11,323.04 |
| 45 | 1367.9971 | 1368.24707 | Residential | 7428.078186 | $ 5,392,785 | $ 2,696,392 | 1368.196655 | -0.05 | 1368.199951 | -0.05 | 1368.19873 | -0.05 | 1368.19873 | -0.05 | 3.81 | $ 205,547 | 0.00 | $ - | $ 205,547.29 | 3.81 | $ 205,284 | 0.00 | $ - | $ 205,283.90 |
| 46 | 1374.6667 | 1374.916748 | Residential | 4881.761841 | $ 3,544,159 | $ 1,772,080 | 1374.991455 | 0.07 | 1374.98999 | 0.07 | 1374.994629 | 0.08 | 1374.994507 | 0.08 | 6.19726 | $ 219,641 | 3.076164 | $ 54,512 | $ 274,152.83 | 6.33277 | $ 224,443 | 3.265878 | $ 57,874 | $ 282,317.40 |
| 47 | 1378.6304 | 1378.880371 | Residential | 5232.306396 | $ 3,798,654 | $ 1,899,327 | 1378.724121 | -0.16 | 1378.725098 | -0.16 | 1379.14209 | 0.26 | 1378.995605 | 0.12 | 3.38 | $ 128,353 | 0.00 | $ - | $ 128,353.04 | 7.46 | $ 283,266 | 4.84 | $ 91,924 | $ 375,190.59 |
| 48 | 1377.9553 | 1378.205322 | Residential | 6055.227417 | $ 4,396,095 | $ 2,198,048 | 1378.011475 | -0.19 | 1378.012817 | -0.19 | 1378.015869 | -0.19 | 1378.015869 | -0.19 | 3.22998 | $ 141,993 | 0 | $ - | $ 141,992.99 | 3.242188 | $ 142,530 | 0 | $ - | $ 142,529.67 |
| 49 | 1376.8622 | 1377.112183 | Residential | 371.322083 | $ 269,580 | $ 134,790 | 1376.894043 | -0.22 | 1376.893188 | -0.22 | 1376.96582 | -0.15 | 1376.980103 | -0.13 | 3.12402 | $ 8,422 | 0 | $ - | $ 8,421.73 | 3.47168 | $ 9,359 | 0 | $ - | $ 9,358.95 |
| 50 | 1371.5935 | 1371.843506 | Residential | 3883.120056 | $ 2,819,145 | $ 1,409,573 | 1371.657227 | -0.19 | 1371.65564 | -0.19 | 1371.91626 | 0.07 | 1371.827026 | -0.02 | 3.25 | $ 91,581 | 0.00 | $ - | $ 91,580.95 | 3.93 | $ 110,907 | 0.00 | $ - | $ 110,907.43 |
| 51 | 1367.6451 | 1367.895142 | Residential | 8502.347534 | $ 6,172,704 | $ 3,086,352 | 1367.70874 | -0.19 | 1367.709961 | -0.19 | 1367.711426 | -0.18 | 1367.711426 | -0.18 | 3.26 | $ 201,185 | 0.00 | $ - | $ 201,185.47 | 3.27 | $ 201,547 | 0.00 | $ - | $ 201,547.19 |
| 52 | 1360.0182 | 1360.268188 | Residential | 11716.17969 | $ 8,505,946 | $ 4,252,973 | 1360.080688 | -0.19 | 1360.079956 | -0.19 | 1360.084106 | -0.18 | 1360.083984 | -0.18 | 3.25 | $ 276,194 | 0.00 | $ - | $ 276,194.21 | 3.26 | $ 277,565 | 0.00 | $ - | $ 277,564.68 |
| 53 | 1376.1908 | 1376.440796 | Residential | 4086.243103 | $ 2,966,612 | $ 1,483,306 | 1376.506836 | 0.07 | 1376.51001 | 0.07 | 1376.508789 | 0.07 | 1376.508789 | 0.07 | 6.07642 | $ 180,264 | 2.906988 | $ 43,120 | $ 223,383.37 | 6.03979 | $ 179,177 | 2.855706 | $ 42,359 | $ 221,536.03 |
| 54 | 1386.9077 | 1387.157715 | Residential | 5026.592773 | $ 3,649,306 | $ 1,824,653 | 1387.001099 | -0.16 | 1387.00061 | -0.16 | 1387.004517 | -0.15 | 1387.004517 | -0.15 | 3.37158 | $ 123,039 | 0 | $ - | $ 123,039.28 | 3.387208 | $ 123,610 | 0 | $ - | $ 123,609.60 |
| 55 | 1376.2891 | 1376.539063 | Residential | 3620.247864 | $ 2,628,300 | $ 1,314,150 | 1376.426147 | -0.11 | 1376.426758 | -0.11 | 1376.470703 | -0.07 | 1376.470703 | -0.07 | 3.55 | $ 93,325 | 0.00 | $ - | $ 93,325.15 | 3.73 | $ 97,945 | 0.00 | $ - | $ 97,945.17 |
| 56 | 1377.2733 | 1377.523315 | Residential | 4993.57019 | $ 3,625,332 | $ 1,812,666 | 1377.564087 | 0.04 | 1377.560059 | 0.04 | 1377.56543 | 0.04 | 1377.56543 | 0.04 | 5.10 | $ 184,976 | 1.54 | $ 27,974 | $ 212,949.97 | 5.26 | $ 190,818 | 1.77 | $ 32,063 | $ 222,880.51 |
| 57 | 1351.041 | 1351.291016 | Residential | 10962.42029 | $ 7,958,717 | $ 3,979,359 | 1351.105469 | -0.19 | 1351.109985 | -0.18 | 1351.107666 | -0.18 | 1351.107544 | -0.18 | 3.28 | $ 260,718 | 0.00 | $ - | $ 260,717.70 | 3.27 | $ 259,941 | 0.00 | $ - | $ 259,940.62 |
| 58 | 1372.4613 | 1372.711304 | Residential | 5823.487061 | $ 4,227,852 | $ 2,113,926 | 1372.55835 | -0.15 | 1372.560059 | -0.15 | 1372.716797 | 0.01 | 1372.560547 | -0.15 | 3.39502 | $ 143,536 | 0 | $ - | $ 143,536.41 | 3.396972 | $ 143,619 | 0 | $ - | $ 143,618.94 |
| 59 | 1377.0377 | 1377.28772 | Residential | 6052.135376 | $ 4,393,850 | $ 2,196,925 | 1377.146973 | -0.14 | 1377.149902 | -0.14 | 1377.14978 | -0.14 | 1377.149902 | -0.14 | 3.448728 | $ 151,532 | 0 | $ - | $ 151,531.94 | 3.448728 | $ 151,532 | 0 | $ - | $ 151,531.94 |
| 60 | 1368.8978 | 1369.147827 | Residential | 6837.879822 | $ 4,964,301 | $ 2,482,150 | 1368.899658 | -0.25 | 1368.900024 | -0.25 | 1368.906616 | -0.24 | 1369.012573 | -0.14 | 3.008788 | $ 149,365 | 0 | $ - | $ 149,365.29 | 3.458984 | $ 171,714 | 0 | $ - | $ 171,714.37 |
| 61 | 1365.9777 | 1366.227661 | Residential | 548.647339 | $ 398,318 | $ 199,159 | 1366.057861 | -0.17 | 1366.061035 | -0.17 | 1366.203369 | -0.02 | 1366.046509 | -0.18 | 3.333496 | $ 13,278 | 0 | $ - | $ 13,277.91 | 3.275392 | $ 13,046 | 0 | $ - | $ 13,046.47 |
| 62 | 1365.65 | 1365.900024 | Residential | 6442.914001 | $ 4,677,556 | $ 2,338,778 | 1365.738403 | -0.16 | 1365.73999 | -0.16 | 1366.14502 | 0.24 | 1365.892334 | -0.01 | 3.36 | $ 157,160 | 0.00 | $ - | $ 157,159.51 | 3.97 | $ 185,663 | 0.00 | $ - | $ 185,663.41 |
| 63 | 1348.2711 | 1348.521118 | Residential | 624.433289 | $ 453,339 | $ 226,669 | 1348.405151 | -0.12 | 1348.409302 | -0.11 | 1349.341187 | 0.82 | 1348.980347 | 0.46 | 3.552736 | $ 16,106 | 0 | $ - | $ 16,105.92 | 17.77687 | $ 80,589 | 19.287618 | $ 43,719 | $ 124,308.51 |
| 64 | 1379.9254 | 1380.175415 | Residential | 335.501648 | $ 243,574 | $ 121,787 | 1379.99353 | -0.18 | 1379.992065 | -0.18 | 1380.040283 | -0.14 | 1380.039917 | -0.14 | 3.27 | $ 7,957 | 0.00 | $ - | $ 7,956.59 | 3.46 | $ 8,423 | 0.00 | $ - | $ 8,422.82 |
| 65 | 1380.058 | 1380.307983 | Residential | 344.429138 | $ 250,056 | $ 125,028 | 1380.170776 | -0.14 | 1380.171509 | -0.14 | 1380.185059 | -0.12 | 1380.184814 | -0.12 | 3.454104 | $ 8,637 | 0.00 | $ - | $ 8,637.18 | 3.507324 | $ 8,770 | 0.00 | $ - | $ 8,770.26 |
| 66 | 1357.8719 | 1358.121948 | Residential | 1980.532898 | $ 1,437,867 | $ 718,933 | 1358.057495 | -0.06 | 1358.060059 | -0.06 | 1358.059692 | -0.06 | 1358.059692 | -0.06 | 3.75 | $ 53,955 | 0.00 | $ - | $ 53,955.15 | 3.75 | $ 53,934 | 0.00 | $ - | $ 53,934.04 |
| 67 | 1361.5636 | 1361.813599 | Residential | 6199.695374 | $ 4,500,979 | $ 2,250,489 | 1361.722046 | -0.09 | 1361.719971 | -0.09 | 1361.726318 | -0.09 | 1361.726196 | -0.09 | 3.625488 | $ 163,182 | 0 | $ - | $ 163,182.45 | 3.650388 | $ 164,303 | 0 | $ - | $ 164,303.19 |
| 68 | 1373.7996 | 1374.049561 | Residential | 4352.848328 | $ 3,160,168 | $ 1,580,084 | 1373.888428 | -0.16 | 1373.890015 | -0.16 | 1373.941406 | -0.11 | 1373.890869 | -0.16 | 3.36 | $ 106,239 | 0.00 | $ - | $ 106,239.03 | 3.37 | $ 106,347 | 0.00 | $ - | $ 106,346.98 |
| 69 | 1369.6515 | 1369.901489 | Residential | 7681.519775 | $ 5,576,783 | $ 2,788,392 | 1369.671997 | -0.23 | 1369.670044 | -0.23 | 1369.675293 | -0.23 | 1369.675293 | -0.23 | 3.07422 | $ 171,443 | 0 | $ - | $ 171,442.59 | 3.095216 | $ 172,613 | 0 | $ - | $ 172,613.49 |
| 70 | 1352.7987 | 1353.048706 | Residential | 4176.407654 | $ 3,032,072 | $ 1,516,036 | 1352.82373 | -0.22 | 1352.823853 | -0.22 | 1352.83374 | -0.21 | 1352.83374 | -0.21 | 3.100588 | $ 94,012 | 0 | $ - | $ 94,012.06 | 3.140136 | $ 95,211 | 0 | $ - | $ 95,211.18 |
| 71 | 1354.4823 | 1354.7323 | Residential | 5939.919373 | $ 4,312,381 | $ 2,156,191 | 1354.613403 | -0.12 | 1354.609985 | -0.12 | 1355.001953 | 0.27 | 1354.824707 | 0.09 | 3.51 | $ 151,397 | 0.00 | $ - | $ 151,396.50 | 6.77 | $ 292,044 | 3.88 | $ 83,684 | $ 375,727.32 |
| 72 | 1358.7681 | 1359.018066 | Residential | 5464.610229 | $ 3,967,307 | $ 1,983,654 | 1358.818237 | -0.20 | 1358.819946 | -0.20 | 1358.820557 | -0.20 | 1358.820557 | -0.20 | 3.20752 | $ 127,252 | 0 | $ - | $ 127,252.17 | 3.209964 | $ 127,349 | 0 | $ - | $ 127,349.13 |
| 73 | 1370.2661 | 1370.516113 | Residential | 7295.893555 | $ 5,296,819 | $ 2,648,409 | 1370.522339 | 0.01 | 1370.521484 | 0.01 | 1370.69751 | 0.18 | 1370.449707 | -0.07 | 4.16 | $ 220,408 | 0.23 | $ 5,974 | $ 226,381.85 | 3.73 | $ 197,803 | 0.00 | $ - | $ 197,803.13 |
| 74 | 1380.3362 | 1380.586182 | Residential | 4872.422913 | $ 3,537,379 | $ 1,768,690 | 1380.464111 | -0.12 | 1380.467407 | -0.12 | 1380.876343 | 0.29 | 1380.724731 | 0.14 | 3.5249 | $ 124,689 | 0.00 | $ - | $ 124,689.07 | 8.15647 | $ 288,525 | 5.82 | $ 102,921 | $ 391,446.33 |
| 75 | 1368.1411 | 1368.391113 | Residential | 6527.1745 | $ 4,738,729 | $ 2,369,364 | 1368.207275 | -0.18 | 1368.209961 | -0.18 | 1368.209473 | -0.18 | 1368.209351 | -0.18 | 3.28 | $ 155,212 | 0.00 | $ - | $ 155,211.94 | 3.27 | $ 155,096 | 0.00 | $ - | $ 155,096.32 |
| 76 | 1370.8282 | 1371.078247 | Residential | 7341.92395 | $ 5,330,237 | $ 2,665,118 | 1370.901245 | -0.18 | 1370.900024 | -0.18 | 1370.904541 | -0.17 | 1370.904663 | -0.17 | 3.287108 | $ 175,211 | 0 | $ - | $ 175,210.64 | 3.305664 | $ 176,200 | 0 | $ - | $ 176,199.72 |
| 77 | 1351.1089 | 1351.358887 | Residential | 7682.645386 | $ 5,577,601 | $ 2,788,800 | 1351.214355 | -0.14 | 1351.209961 | -0.15 | 1351.216187 | -0.14 | 1351.216064 | -0.14 | 3.404296 | $ 189,878 | 0 | $ - | $ 189,878.03 | 3.428708 | $ 191,240 | 0 | $ - | $ 191,239.64 |
| 78 | 1352.9404 | 1353.19043 | Residential | 359.594421 | $ 261,066 | $ 130,533 | 1353.207153 | 0.02 | 1353.199951 | 0.01 | 1353.580688 | 0.39 | 1353.317749 | 0.13 | 4.28563 | $ 11,188 | 0.399882 | $ 522 | $ 11,710.28 | 7.81957 | $ 20,414 | 5.347398 | $ 6,980 | $ 27,394.31 |
| 79 | 1375.2893 | 1375.539307 | Residential | 5622.966309 | $ 4,082,274 | $ 2,041,137 | 1375.408813 | -0.13 | 1375.410034 | -0.13 | 1375.411865 | -0.13 | 1375.411987 | -0.13 | 3.482908 | $ 142,182 | 0 | $ - | $ 142,181.83 | 3.49072 | $ 142,501 | 0 | $ - | $ 142,500.74 |

## 10-Year and 100-Year Proposed Building Damages in Area K

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 80 | 1361.5787 | 1361.828735 | Residential | 4104.051453 | $ 2,979,541 | $ 1,489,771 | 1361.64856 | -0.18 | 1361.650024 | -0.18 | 1361.924194 | 0.10 | 1361.777954 | -0.05 | 3.29 | $ 97,883 | 0.00 | $ - | $ 97,882.58 | 3.80 | $ 113,129 | 0.00 | $ - | $ 113,129.49 |
| 81 | 1372.7191 | 1372.969116 | Residential | 5524.363342 | $ 4,010,688 | $ 2,005,344 | 1372.777466 | -0.19 | 1372.780029 | -0.19 | 1372.78186 | -0.19 | 1372.78186 | -0.19 | 3.243652 | $ 130,093 | 0 | $ - | $ 130,092.75 | 3.250976 | $ 130,386 | 0 | $ - | $ 130,386.50 |
| 82 | 1378.332 | 1378.582031 | Residential | 328.372437 | $ 238,398 | $ 119,199 | 1378.797852 | 0.22 | 1378.800049 | 0.22 | 1379.000732 | 0.42 | 1379.000732 | 0.42 | 10.54 | $ 25,128 | 9.16 | $ 10,915 | $ 36,043.26 | 16.56 | $ 39,481 | 17.59 | $ 20,962 | $ 60,442.93 |
| 83 | 1374.9072 | 1375.157227 | Residential | 5100.398376 | $ 3,702,889 | $ 1,851,445 | 1375.089478 | -0.07 | 1375.087524 | -0.07 | 1375.173706 | 0.02 | 1375.173706 | 0.02 | 3.721188 | $ 137,791 | 0 | $ - | $ 137,791.47 | 4.49437 | $ 166,422 | 0.692118 | $ 12,814 | $ 179,235.72 |
| 84 | 1362.9548 | 1363.204834 | Residential | 8479.753967 | $ 6,156,301 | $ 3,078,151 | 1363.019775 | -0.19 | 1363.02002 | -0.18 | 1363.022827 | -0.18 | 1363.022827 | -0.18 | 3.26 | $ 200,741 | 0.00 | $ - | $ 200,741.23 | 3.27 | $ 201,432 | 0.00 | $ - | $ 201,432.46 |
| 85 | 1366.3226 | 1366.572632 | Residential | 2076.678772 | $ 1,507,669 | $ 753,834 | 1366.432617 | -0.14 | 1366.435669 | -0.14 | 1366.70752 | 0.13 | 1366.435059 | -0.14 | 3.452148 | $ 52,047 | 0 | $ - | $ 52,046.96 | 3.449708 | $ 52,010 | 0 | $ - | $ 52,010.17 |
| 86 | 1352.7321 | 1352.982056 | Residential | 5563.624268 | $ 4,039,191 | $ 2,019,596 | 1352.796631 | -0.19 | 1352.800049 | -0.18 | 1352.940308 | -0.04 | 1352.799561 | -0.18 | 3.271972 | $ 132,161 | 0 | $ - | $ 132,161.21 | 3.27002 | $ 132,082 | 0 | $ - | $ 132,082.36 |
| 87 | 1367.7133 | 1367.963257 | Residential | 4968.399292 | $ 3,607,058 | $ 1,803,529 | 1367.959106 | 0.00 | 1367.960571 | 0.00 | 1368.091064 | 0.13 | 1367.916382 | -0.05 | 3.99 | $ 143,895 | 0.00 | $ - | $ 143,894.77 | 3.81 | $ 137,519 | 0.00 | $ - | $ 137,519.08 |
| 88 | 1361.6323 | 1361.882324 | Residential | 797.473267 | $ 578,966 | $ 289,483 | 1361.7677 | -0.11 | 1361.77002 | -0.11 | 1361.769897 | -0.11 | 1361.769897 | -0.11 | 3.550784 | $ 20,558 | 0 | $ - | $ 20,557.82 | 3.550292 | $ 20,555 | 0 | $ - | $ 20,554.97 |
| 89 | 1363.135 | 1363.38501 | Residential | 8303.006226 | $ 6,027,983 | $ 3,013,991 | 1363.190308 | -0.19 | 1363.189941 | -0.20 | 1363.193359 | -0.19 | 1363.193359 | -0.19 | 3.22 | $ 194,084 | 0.00 | $ - | $ 194,084.40 | 3.23 | $ 194,909 | 0.00 | $ - | $ 194,908.55 |
| 90 | 1366.2108 | 1366.460815 | Residential | 4910.555115 | $ 3,565,063 | $ 1,782,532 | 1366.218384 | -0.24 | 1366.220825 | -0.24 | 1366.294312 | -0.17 | 1366.241577 | -0.22 | 3.04004 | $ 108,379 | 0 | $ - | $ 108,379.34 | 3.123048 | $ 111,339 | 0 | $ - | $ 111,338.63 |
| 91 | 1368.8278 | 1369.077759 | Residential | 6629.62793 | $ 4,813,110 | $ 2,406,555 | 1368.94104 | -0.14 | 1368.939941 | -0.14 | 1368.944092 | -0.13 | 1368.944214 | -0.13 | 3.448728 | $ 165,991 | 0 | $ - | $ 165,991.07 | 3.46582 | $ 166,814 | 0 | $ - | $ 166,813.72 |
| 92 | 1374.304 | 1374.553955 | Residential | 5484.503662 | $ 3,981,750 | $ 1,990,875 | 1374.360107 | -0.19 | 1374.359985 | -0.19 | 1374.363159 | -0.19 | 1374.363037 | -0.19 | 3.22 | $ 128,376 | 0.00 | $ - | $ 128,376.39 | 3.24 | $ 128,862 | 0.00 | $ - | $ 128,862.48 |
| 93 | 1354.0405 | 1354.290527 | Residential | 7800.228271 | $ 5,662,966 | $ 2,831,483 | 1354.07605 | -0.21 | 1354.079956 | -0.21 | 1354.078491 | -0.21 | 1354.078369 | -0.21 | 3.157716 | $ 178,820 | 0 | $ - | $ 178,820.37 | 3.151368 | $ 178,461 | 0 | $ - | $ 178,460.89 |
| 94 | 1364.1387 | 1364.388672 | Residential | 9319.309509 | $ 6,765,819 | $ 3,382,909 | 1364.178955 | -0.21 | 1364.180054 | -0.21 | 1364.295898 | -0.09 | 1364.261353 | -0.13 | 3.17 | $ 214,174 | 0.00 | $ - | $ 214,173.89 | 3.49 | $ 236,176 | 0.00 | $ - | $ 236,176.06 |
| 95 | 1362.6045 | 1362.854492 | Residential | 143.450073 | $ 104,145 | $ 52,072 | 1362.984863 | 0.13 | 1362.980347 | 0.13 | 1362.987305 | 0.13 | 1362.987427 | 0.13 | 7.78 | $ 8,098 | 5.29 | $ 2,752 | $ 10,850.43 | 7.99 | $ 8,319 | 5.58 | $ 2,907 | $ 11,226.48 |
| 96 | 1361.0277 | 1361.27771 | Residential | 5807.243103 | $ 4,216,058 | $ 2,108,029 | 1361.062378 | -0.22 | 1361.060059 | -0.22 | 1361.230591 | -0.05 | 1361.197632 | -0.08 | 3.13 | $ 131,937 | 0.00 | $ - | $ 131,937.17 | 3.68 | $ 155,138 | 0.00 | $ - | $ 155,137.80 |
| 97 | 1379.2681 | 1379.518066 | Residential | 5512.254822 | $ 4,001,897 | $ 2,000,949 | 1379.418945 | -0.10 | 1379.419434 | -0.10 | 1379.574341 | 0.06 | 1379.704102 | 0.19 | 3.605472 | $ 144,287 | 0.00 | $ - | $ 144,287.28 | 9.58108 | $ 383,425 | 7.81 | $ 156,344 | $ 539,769.30 |
| 98 | 1364.3967 | 1364.646729 | Residential | 1845.062622 | $ 1,339,515 | $ 669,758 | 1364.488159 | -0.16 | 1364.48999 | -0.16 | 1364.490356 | -0.16 | 1364.490356 | -0.16 | 3.373044 | $ 45,182 | 0 | $ - | $ 45,182.45 | 3.374508 | $ 45,202 | 0 | $ - | $ 45,202.06 |
| 99 | 1366.3516 | 1366.601563 | Residential | 4056.541199 | $ 2,945,049 | $ 1,472,524 | 1366.543823 | -0.06 | 1366.536987 | -0.06 | 1366.554199 | -0.05 | 1366.554199 | -0.05 | 3.74 | $ 110,195 | 0.00 | $ - | $ 110,194.78 | 3.81 | $ 112,222 | 0.00 | $ - | $ 112,222.38 |
| 100 | 1358.9648 | 1359.214844 | Residential | 5029.624146 | $ 3,651,507 | $ 1,825,754 | 1359.262451 | 0.05 | 1359.267212 | 0.05 | 1359.26416 | 0.05 | 1359.26416 | 0.05 | 5.57 | $ 203,427 | 2.20 | $ 40,157 | $ 243,583.57 | 5.48 | $ 200,084 | 2.07 | $ 37,816 | $ 237,899.93 |
| 101 | 1374.8926 | 1375.142578 | Residential | 9085.493774 | $ 6,596,068 | $ 3,298,034 | 1375.06897 | -0.07 | 1375.073853 | -0.07 | 1375.071899 | -0.07 | 1375.071777 | -0.07 | 3.7251 | $ 245,710 | 0 | $ - | $ 245,710.15 | 3.716796 | $ 245,162 | 0 | $ - | $ 245,162.41 |
| 102 | 1371.8109 | 1372.060913 | Residential | 4668.850098 | $ 3,389,585 | $ 1,694,793 | 1371.834229 | -0.23 | 1371.838379 | -0.22 | 1371.838257 | -0.22 | 1371.838257 | -0.22 | 3.109864 | $ 105,411 | 0 | $ - | $ 105,411.49 | 3.109376 | $ 105,395 | 0 | $ - | $ 105,394.95 |
| 103 | 1374.249 | 1374.499023 | Residential | 6966.036255 | $ 5,057,342 | $ 2,528,671 | 1374.279785 | -0.22 | 1374.280029 | -0.22 | 1374.282715 | -0.22 | 1374.282715 | -0.22 | 3.124024 | $ 157,993 | 0 | $ - | $ 157,992.59 | 3.134768 | $ 158,536 | 0 | $ - | $ 158,535.95 |
| 104 | 1353.7365 | 1353.98645 | Residential | 6619.511108 | $ 4,805,765 | $ 2,402,883 | 1353.776123 | -0.21 | 1353.780029 | -0.21 | 1353.778442 | -0.21 | 1353.778442 | -0.21 | 3.17 | $ 152,550 | 0.00 | $ - | $ 152,550.17 | 3.17 | $ 152,245 | 0.00 | $ - | $ 152,245.10 |
| 105 | 1363.4548 | 1363.704834 | Residential | 8842.429199 | $ 6,419,604 | $ 3,209,802 | 1364.171265 | 0.47 | 1364.170044 | 0.47 | 1364.463501 | 0.76 | 1364.036011 | 0.33 | 17.9563 | $ 1,152,723 | 19.53882 | $ 627,157 | $ 1,779,880.68 | 13.93531 | $ 894,592 | 13.909434 | $ 446,465 | $ 1,341,056.93 |
| 106 | 1363.5942 | 1363.844238 | Residential | 1209.473938 | $ 878,078 | $ 439,039 | 1363.675049 | -0.17 | 1363.670044 | -0.17 | 1363.677856 | -0.17 | 1363.677856 | -0.17 | 3.303224 | $ 29,005 | 0.00 | $ - | $ 29,004.89 | 3.334472 | $ 29,279 | 0.00 | $ - | $ 29,279.27 |
| 107 | 1364.436 | 1364.686035 | Residential | 4979.980835 | $ 3,615,466 | $ 1,807,733 | 1364.669312 | -0.02 | 1364.665771 | -0.02 | 1364.670898 | -0.02 | 1364.670898 | -0.02 | 3.92 | $ 141,688 | 0.00 | $ - | $ 141,688.09 | 3.94 | $ 142,430 | 0.00 | $ - | $ 142,429.55 |
| 108 | 1352.4829 | 1352.73291 | Residential | 5092.605652 | $ 3,697,232 | $ 1,848,616 | 1352.545166 | -0.19 | 1352.550049 | -0.18 | 1352.547241 | -0.19 | 1352.547241 | -0.19 | 3.268556 | $ 120,846 | 0.00 | $ - | $ 120,846.09 | 3.257324 | $ 120,431 | 0.00 | $ - | $ 120,430.82 |
| 109 | 1349.7738 | 1350.023804 | Residential | 10592.73084 | $ 7,690,323 | $ 3,845,161 | 1349.815918 | -0.21 | 1349.819946 | -0.20 | 1349.818359 | -0.21 | 1349.818359 | -0.21 | 3.184568 | $ 244,904 | 0 | $ - | $ 244,903.55 | 3.17822 | $ 244,415 | 0 | $ - | $ 244,415.37 |
| 110 | 1356.3748 | 1356.624756 | Residential | 7430.694946 | $ 5,394,685 | $ 2,697,342 | 1356.497437 | -0.13 | 1356.5 | -0.12 | 1356.499512 | -0.13 | 1356.499512 | -0.13 | 3.50 | $ 188,867 | 0.00 | $ - | $ 188,866.61 | 3.50 | $ 188,761 | 0.00 | $ - | $ 188,761.31 |
| 111 | 1349.6604 | 1349.9104 | Residential | 12568.94641 | $ 9,125,055 | $ 4,562,528 | 1349.750366 | -0.16 | 1349.747437 | -0.16 | 1349.757935 | -0.15 | 1349.752686 | -0.16 | 3.35 | $ 305,520 | 0.00 | $ - | $ 305,520.35 | 3.37 | $ 307,436 | 0.00 | $ - | $ 307,436.25 |
| 112 | 1369.8452 | 1370.095215 | Residential | 474.788452 | $ 344,696 | $ 172,348 | 1369.938599 | -0.16 | 1369.93689 | -0.16 | 1369.944946 | -0.15 | 1369.944946 | -0.15 | 3.3667 | $ 11,605 | 0 | $ - | $ 11,604.89 | 3.398924 | $ 11,716 | 0 | $ - | $ 11,715.97 |
| 113 | 1380.3524 | 1380.602417 | Residential | 6280.325745 | $ 4,559,516 | $ 2,279,758 | 1380.448242 | -0.15 | 1380.449951 | -0.15 | 1380.450562 | -0.15 | 1380.450562 | -0.15 | 3.390136 | $ 154,574 | 0 | $ - | $ 154,573.81 | 3.39258 | $ 154,685 | 0 | $ - | $ 154,685.24 |
| 114 | 1377.1196 | 1377.369629 | Residential | 5297.63031 | $ 3,846,080 | $ 1,923,040 | 1377.239258 | -0.13 | 1377.23999 | -0.13 | 1377.242188 | -0.13 | 1377.242188 | -0.13 | 3.481444 | $ 133,899 | 0 | $ - | $ 133,899.11 | 3.490236 | $ 134,237 | 0 | $ - | $ 134,237.25 |
| 115 | 1366.8071 | 1367.057129 | Residential | 7888.129822 | $ 5,726,782 | $ 2,863,391 | 1366.859985 | -0.20 | 1366.859985 | -0.20 | 1366.862915 | -0.19 | 1366.862915 | -0.19 | 3.211424 | $ 183,911 | 0 | $ - | $ 183,911.26 | 3.223144 | $ 184,582 | 0 | $ - | $ 184,582.44 |
| 116 | 1360.8243 | 1361.074341 | Residential | 7805.948669 | $ 5,667,119 | $ 2,833,559 | 1360.955811 | -0.12 | 1360.959961 | -0.11 | 1361.056763 | -0.02 | 1360.95874 | -0.12 | 3.54248 | $ 200,757 | 0 | $ - | $ 200,756.55 | 3.537596 | $ 200,480 | 0 | $ - | $ 200,479.77 |
| 117 | 1364.4938 | 1364.743774 | Residential | 5855.000854 | $ 4,250,731 | $ 2,125,365 | 1364.699463 | -0.04 | 1364.699951 | -0.04 | 1364.702148 | -0.04 | 1364.702148 | -0.04 | 3.824708 | $ 162,578 | 0 | $ - | $ 162,578.03 | 3.833496 | $ 162,952 | 0 | $ - | $ 162,951.59 |
| 118 | 1360.4812 | 1360.731201 | Residential | 219.949097 | $ 159,683 | $ 79,842 | 1360.793945 | 0.06 | 1360.790039 | 0.06 | 1360.794067 | 0.06 | 1360.794189 | 0.06 | 5.76514 | $ 9,206 | 2.471196 | $ 1,973 | $ 11,178.99 | 5.88964 | $ 9,405 | 2.645496 | $ 2,112 | $ 11,516.96 |
| 119 | 1351.2076 | 1351.457642 | Residential | 5547.851379 | $ 4,027,740 | $ 2,013,870 | 1351.428955 | -0.03 | 1351.425171 | -0.03 | 1351.431519 | -0.03 | 1351.431396 | -0.03 | 3.87 | $ 155,878 | 0.00 | $ - | $ 155,878.21 | 3.90 | $ 156,881 | 0.00 | $ - | $ 156,881.12 |
| 120 | 1374.8663 | 1375.116333 | Residential | 6444.857483 | $ 4,678,967 | $ 2,339,483 | 1374.929321 | -0.19 | 1374.930054 | -0.19 | 1374.932129 | -0.18 | 1374.932251 | -0.18 | 3.25 | $ 152,295 | 0.00 | $ - | $ 152,294.93 | 3.26 | $ 152,706 | 0.00 | $ - | $ 152,706.12 |
| 121 | 1363.498 | 1363.748047 | Residential | 212.195068 | $ 154,054 | $ 77,027 | 1363.517334 | -0.23 | 1363.517944 | -0.23 | 1363.666992 | -0.08 | 1363.631226 | -0.12 | 3.079588 | $ 4,744 | 0 | $ - | $ 4,744.22 | 3.532716 | $ 5,442 | 0 | $ - | $ 5,442.28 |
| 122 | 1368.4139 | 1368.66394 | Residential | 6069.277893 | $ 4,406,296 | $ 2,203,148 | 1368.446289 | -0.22 | 1368.445923 | -0.22 | 1368.67981 | 0.02 | 1368.450195 | -0.21 | 3.13 | $ 137,826 | 0.00 | $ - | $ 137,825.93 | 3.15 | $ 138,579 | 0.00 | $ - | $ 138,578.88 |
| 123 | 1381.0881 | 1381.338135 | Residential | 6044.557678 | $ 4,388,349 | $ 2,194,174 | 1381.179443 | -0.16 | 1381.180054 | -0.16 | 1381.366333 | 0.03 | 1381.182739 | -0.16 | 3.367676 | $ 147,785 | 0 | $ - | $ 147,785.37 | 3.378416 | $ 148,257 | 0 | $ - | $ 148,256.68 |
| 124 | 1379.9611 | 1380.21106 | Residential | 5559.381653 | $ 4,036,111 | $ 2,018,056 | 1380.097168 | -0.11 | 1380.095825 | -0.12 | 1380.099243 | -0.11 | 1380.099243 | -0.11 | 3.54 | $ 142,840 | 0.00 | $ - | $ 142,840.39 | 3.55 | $ 143,392 | 0.00 | $ - | $ 143,392.21 |
| 125 | 1361.5222 | 1361.772217 | Residential | 5136.399902 | $ 3,729,026 | $ 1,864,513 | 1361.562622 | -0.21 | 1361.560059 | -0.21 | 1361.609375 | -0.16 | 1361.608765 | -0.16 | 3.15 | $ 117,515 | 0.00 | $ - | $ 117,515.34 | 3.35 | $ 124,780 | 0.00 | $ - | $ 124,780.38 |
| 126 | 1349.9539 | 1350.203857 | Residential | 11645.22498 | $ 8,454,433 | $ 4,227,217 | 1350.02478 | -0.18 | 1350.02002 | -0.18 | 1350.026855 | -0.18 | 1350.026855 | -0.18 | 3.264652 | $ 276,008 | 0 | $ - | $ 276,007.83 | 3.291992 | $ 278,319 | 0 | $ - | $ 278,319.27 |
| 127 | 1357.042 | 1357.291992 | Residential | 3812.569763 | $ 2,767,926 | $ 1,383,963 | 1357.216553 | -0.08 | 1357.219971 | -0.07 | 1357.218506 | -0.07 | 1357.218506 | -0.07 | 3.71 | $ 102,743 | 0.00 | $ - | $ 102,743.07 | 3.71 | $ 102,581 | 0.00 | $ - | $ 102,580.87 |
| 128 | 1363.7706 | 1364.02063 | Residential | 246.767029 | $ 179,153 | $ 89,576 | 1363.825928 | -0.19 | 1363.829956 | -0.19 | 1363.828491 | -0.19 | 1363.828491 | -0.19 | 3.24 | $ 5,800 | 0.00 | $ - | $ 5,799.72 | 3.23 | $ 5,789 | 0.00 | $ - | $ 5,789.22 |
| 129 | 1377.3176 | 1377.567627 | Residential | 3762.542786 | $ 2,731,606 | $ 1,365,803 | 1377.35437 | -0.21 | 1377.349976 | -0.22 | 1377.857666 | 0.29 | 1377.634277 | 0.07 | 3.129396 | $ 85,483 | 0 | $ - | $ 85,482.77 | 5.9995 | $ 163,883 | 2.7993 | $ 38,233 | $ 202,115.63 |
| 130 | 1362.1476 | 1362.397583 | Residential | 5020.589172 | $ 3,644,948 | $ 1,822,474 | 1362.411865 | 0.01 | 1362.410034 | 0.01 | 1362.727783 | 0.33 | 1362.316406 | -0.08 | 4.37353 | $ 159,413 | 0.522942 | $ 9,530 | $ 168,943.36 | 3.675292 | $ 133,962 | 0 | $ - | $ 133,962.47 |
| 131 | 1376.2094 | 1376.459351 | Residential | 5212.982361 | $ 3,784,625 | $ 1,892,313 | 1376.260254 | -0.20 | 1376.260864 | -0.20 | 1376.271851 | -0.19 | 1376.271851 | -0.19 | 3.21 | $ 121,337 | 0.00 | $ - | $ 121,337.05 | 3.25 | $ 123,000 | 0.00 | $ - | $ 123,000.32 |
| 132 | 1379.1615 | 1379.411499 | Residential | 400.356567 | $ 290,659 | $ 145,329 | 1379.424072 | 0.01 | 1379.421387 | 0.01 | 1379.488525 | 0.08 | 1379.488281 | 0.08 | 4.29664 | $ 12,489 | 0.415296 | $ 604 | $ 13,092.11 | 6.30346 | $ 18,322 | 3.224844 | $ 4,687 | $ 23,008.21 |
| 133 | 1361.2078 | 1361.457764 | Residential | 4320.113953 | $ 3,136,403 | $ 1,568,201 | 1361.42041 | -0.04 | 1361.420044 | -0.04 | 1361.433716 | -0.02 | 1361.42334 | -0.03 | 3.84912 | $ 120,724 | 0 | $ - | $ 120,723.90 | 3.862304 | $ 121,137 | 0 | $ - | $ 121,137.41 |
| 134 | 1362.6445 | 1362.894531 | Residential | 3840.690247 | $ 2,788,341 | $ 1,394,171 | 1362.80603 | -0.09 | 1362.805054 | -0.09 | 1362.809204 | -0.09 | 1362.809326 | -0.09 | 3.642092 | $ 101,554 | 0 | $ - | $ 101,553.95 | 3.65918 | $ 102,030 | 0 | $ - | $ 102,030.42 |
| 135 | 1378.0864 | 1378.336426 | Residential | 326.96106 | $ 237,374 | $ 118,687 | 1378.312134 | -0.02 | 1378.309937 | -0.03 | 1378.373901 | 0.04 | 1378.371704 | 0.04 | 3.894044 | $ 9,243 | 0 | $ - | $ 9,243.44 | 5.05834 | $ 12,007 | 1.481676 | $ 1,759 | $ 13,765.73 |
| 136 | 1364.1649 | 1364.414917 | Residential | 4181.148926 | $ 3,035,514 | $ 1,517,757 | 1364.769409 | 0.35 | 1364.77124 | 0.36 | 1364.967041 | 0.55 | 1364.687012 | 0.27 | 14.68969 | $ 445,908 | 14.965566 | $ 227,141 | $ 673,048.55 | 12.16285 | $ 369,205 | 11.42799 | $ 173,449 | $ 542,654.15 |
| 137 | 1360.8499 | 1361.099854 | Residential | 4583.988647 | $ 3,327,976 | $ 1,663,988 | 1360.899902 | -0.20 | 1360.900024 | -0.20 | 1361.072632 | -0.03 | 1360.932739 | -0.17 | 3.20068 | $ 106,518 | 0 | $ - | $ 106,517.85 | 3.33154 | $ 110,873 | 0 | $ - | $ 110,872.84 |
| 138 | 1368.3804 | 1368.630371 | Residential | 8776.445618 | $ 6,371,700 | $ 3,185,850 | 1368.661865 | 0.03 | 1368.660034 | 0.03 | 1368.665161 | 0.03 | 1368.665161 | 0.03 | 4.88989 | $ 311,569 | 1.245846 | $ 39,691 | $ 351,259.88 | 5.0437 | $ 321,369 | 1.46118 | $ 46,551 | $ 367,920.41 |
| 139 | 1353.156 | 1353.406006 | Residential | 323.715698 | $ 235,018 | $ 117,509 | 1353.186035 | -0.22 | 1353.189941 | -0.22 | 1353.190063 | -0.22 | 1353.188965 | -0.22 | 3.13574 | $ 7,370 | 0.00 | $ - | $ 7,369.54 | 3.131836 | $ 7,360 | 0.00 | $ - | $ 7,360.37 |
| 140 | 1378.5293 | 1378.779297 | Residential | 5263.701416 | $ 3,821,447 | $ 1,910,724 | 1378.623413 | -0.16 | 1378.624146 | -0.16 | 1378.66626 | -0.11 | 1378.677856 | -0.10 | 3.38 | $ 129,142 | 0.00 | $ - | $ 129,141.83 | 3.59 | $ 137,352 | 0.00 | $ - | $ 137,351.83 |
| 141 | 1379.809 | 1380.05896 | Residential | 7932.297974 | $ 5,758,848 | $ 2,879,424 | 1380.026367 | -0.03 | 1380.030029 | -0.03 | 1380.028198 | -0.03 | 1380.028198 | -0.03 | 3.884276 | $ 223,690 | 0 | $ - | $ 223,689.56 | 3.876952 | $ 223,268 | 0 | $ - | $ 223,267.79 |
| 142 | 1371.869 | 1372.119019 | Residential | 4879.887024 | $ 3,542,798 | $ 1,771,399 | 1372.077759 | -0.04 | 1372.077759 | -0.04 | 1372.083496 | -0.04 | 1372.081787 | -0.04 | 3.83496 | $ 135,865 | 0 | $ - | $ 135,864.89 | 3.851072 | $ 136,436 | 0 | $ - | $ 136,435.70 |
| 143 | 1378.5239 | 1378.773926 | Residential | 188.311951 | $ 136,714 | $ 68,357 | 1378.562744 | -0.21 | 1378.566528 | -0.21 | 1378.578857 | -0.20 | 1378.578735 | -0.20 | 3.170408 | $ 4,334 | 0 | $ - | $ 4,334.41 | 3.219236 | $ 4,401 | 0 | $ - | $ 4,401.16 |
| 144 | 1375.1558 | 1375.405762 | Residential | 4700.561829 | $ 3,412,608 | $ 1,706,304 | 1375.356201 | -0.05 | 1375.359985 | -0.05 | 1375.710083 | 0.30 | 1375.35791 | -0.05 | 3.82 | $ 130,256 | 0.00 | $ - | $ 130,255.56 | 3.81 | $ 129,972 | 0.00 | $ - | $ 129,972.31 |
| 145 | 1364.0173 | 1364.267334 | Residential | 263.903442 | $ 191,594 | $ 95,797 | 1364.084961 | -0.18 | 1364.079956 | -0.19 | 1364.11499 | -0.15 | 1364.086426 | -0.18 | 3.250488 | $ 6,228 | 0 | $ - | $ 6,227.74 | 3.276368 | $ 6,277 | 0 | $ - | $ 6,277.32 |
| 146 | 1361.9521 | 1362.202148 | Residential | 5469.552246 | $ 3,970,895 | $ 1,985,447 | 1362.174438 | -0.03 | 1362.178223 | -0.02 | 1362.365112 | 0.16 | 1362.176025 | -0.03 | 3.90 | $ 155,036 | 0.00 | $ - | $ 155,035.65 | 3.90 | $ 154,687 | 0.00 | $ - | $ 154,686.53 |
| 147 | 1361.5681 | 1361.818115 | Residential | 5371.711365 | $ 3,899,862 | $ 1,949,931 | 1361.999634 | 0.18 | 1361.995728 | 0.18 | 1362.157593 | 0.34 | 1361.909668 | 0.09 | 9.32839 | $ 363,794 | 7.459746 | $ 145,460 | $ 509,254.30 | 6.74659 | $ 263,108 | 3.845226 | $ 74,979 | $ 338,086.99 |
| 148 | 1376.0001 | 1376.250122 | Residential | 4847.492981 | $ 3,519,280 | $ 1,759,640 | 1376.239746 | -0.01 | 1376.24292 | -0.01 | 1376.241943 | -0.01 | 1376.241943 | -0.01 | 3.971192 | $ 139,757 | 0 | $ - | $ 139,757.36 | 3.967284 | $ 139,620 | 0 | $ - | $ 139,619.83 |
| 149 | 1376.4144 | 1376.664429 | Residential | 5930.882202 | $ 4,305,820 | $ 2,152,910 | 1376.478149 | -0.19 | 1376.47998 | -0.18 | 1376.766724 | 0.10 | 1376.542114 | -0.12 | 3.26 | $ 140,465 | 0.00 | $ - | $ 140,464.65 | 3.51 | $ 151,166 | 0.00 | $ - | $ 151,166.16 |
| 150 | 1372.437 | 1372.687012 | Residential | 5813.009705 | $ 4,220,245 | $ 2,110,123 | 1372.519775 | -0.17 | 1372.52002 | -0.17 | 1372.522461 | -0.16 | 1372.522461 | -0.16 | 3.332032 | $ 140,620 | 0 | $ - | $ 140,619.92 | 3.341796 | $ 141,032 | 0 | $ - | $ 141,031.98 |
| 151 | 1387.2883 | 1387.53833 | Residential | 4486.418701 | $ 3,257,140 | $ 1,628,570 | 1387.536377 | 0.00 | 1387.540039 | 0.00 | 1387.53833 | 0.00 | 1387.53833 | 0.00 | 4.05127 | $ 131,956 | 0.071778 | $ 1,169 | $ 133,124.49 | 4 | $ 130,286 | 0 | $ - | $ 130,285.60 |
| 152 | 1375.7926 | 1376.042603 | Residential | 4326.913086 | $ 3,141,339 | $ 1,570,669 | 1375.835449 | -0.21 | 1375.839966 | -0.20 | 1376.119263 | 0.08 | 1375.941162 | -0.10 | 3.19 | $ 100,191 | 0.00 | $ - | $ 100,191.50 | 3.59 | $ 112,907 | 0.00 | $ - | $ 112,907.13 |
| 153 | 1367.1001 | 1367.350098 | Residential | 5923.343201 | $ 4,300,347 | $ 2,150,174 | 1367.170654 | -0.18 | 1367.170044 | -0.18 | 1367.174072 | -0.18 | 1367.174072 | -0.18 | 3.279784 | $ 141,042 | 0 | $ - | $ 141,042.10 | 3.295896 | $ 141,735 | 0 | $ - | $ 141,734.97 |
| 154 | 1378.0719 | 1378.321899 | Residential | 5311.497314 | $ 3,856,147 | $ 1,928,074 | 1378.216553 | -0.11 | 1378.219971 | -0.10 | 1378.218384 | -0.10 | 1378.218384 | -0.10 | 3.592288 | $ 138,524 | 0 | $ - | $ 138,523.91 | 3.58594 | $ 138,279 | 0 | $ - | $ 138,279.12 |
| 155 | 1380.4923 | 1380.74231 | Residential | 2746.666016 | $ 1,994,080 | $ 997,040 | 1380.633667 | -0.11 | 1380.62915 | -0.11 | 1380.637695 | -0.10 | 1380.638184 | -0.10 | 3.55 | $ 70,737 | 0.00 | $ - | $ 70,737.18 | 3.58 | $ 71,458 | 0.00 | $ - | $ 71,457.76 |
| 156 | 1373.4617 | 1373.71167 | Residential | 6659.882751 | $ 4,835,075 | $ 2,417,537 | 1373.625244 | -0.09 | 1373.630005 | -0.08 | 1373.626709 | -0.08 | 1373.626709 | -0.08 | 3.67 | $ 177,609 | 0.00 | $ - | $ 177,608.74 | 3.66 | $ 176,971 | 0.00 | $ - | $ 176,971.28 |
| 157 | 1376.4575 | 1376.70752 | Residential | 4604.081482 | $ 3,342,563 | $ 1,671,282 | 1376.469116 | -0.24 | 1376.470581 | -0.24 | 1376.488281 | -0.22 | 1376.477417 | -0.23 | 3.052244 | $ 102,023 | 0 | $ - | $ 102,023.18 | 3.079588 | $ 102,937 | 0 | $ - | $ 102,937.17 |
| 158 | 1374.9485 | 1375.198486 | Residential | 5014.781799 | $ 3,640,732 | $ 1,820,366 | 1374.963501 | -0.23 | 1374.963257 | -0.24 | 1374.966919 | -0.23 | 1374.966919 | -0.23 | 3.059084 | $ 111,373 | 0 | $ - | $ 111,373.04 | 3.073732 | $ 111,906 | 0 | $ - | $ 111,906.33 |

## 10-Year and 100-Year Proposed Building Damages in Area K

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 159 | 1368.0206 | 1368.27063 | Residential | 8032.684509 | $ 5,831,729 | $ 2,915,864 | 1368.052124 | -0.22 | 1368.050049 | -0.22 | 1368.055664 | -0.21 | 1368.055664 | -0.21 | 3.12 | $ 181,814 | 0.00 | $ - | $ 181,814.41 | 3.14 | $ 183,124 | 0.00 | $ - | $ 183,124.22 |
| 160 | 1364.0402 | 1364.290161 | Residential | 7812.84906 | $ 5,672,128 | $ 2,836,064 | 1364.276733 | -0.01 | 1364.280029 | -0.01 | 1364.278564 | -0.01 | 1364.278687 | -0.01 | 3.959472 | $ 224,586 | 0 | $ - | $ 224,586.34 | 3.954104 | $ 224,282 | 0 | $ - | $ 224,281.86 |
| 161 | 1379.0062 | 1379.256226 | Residential | 4673.951538 | $ 3,393,289 | $ 1,696,644 | 1379.0354 | -0.22 | 1379.033325 | -0.22 | 1379.041504 | -0.21 | 1379.041504 | -0.21 | 3.108396 | $ 105,477 | 0 | $ - | $ 105,476.85 | 3.141112 | $ 106,587 | 0 | $ - | $ 106,587.00 |
| 162 | 1351.6937 | 1351.943726 | Residential | 7145.512817 | $ 5,187,642 | $ 2,593,821 | 1351.736572 | -0.21 | 1351.73999 | -0.20 | 1351.739258 | -0.20 | 1351.739258 | -0.20 | 3.185056 | $ 165,229 | 0 | $ - | $ 165,229.31 | 3.182128 | $ 165,077 | 0 | $ - | $ 165,077.42 |
| 163 | 1356.0435 | 1356.293457 | Residential | 8016.633606 | $ 5,820,076 | $ 2,910,038 | 1356.115234 | -0.18 | 1356.119995 | -0.17 | 1356.119141 | -0.17 | 1356.119141 | -0.17 | 3.31 | $ 192,421 | 0.00 | $ - | $ 192,420.56 | 3.30 | $ 192,222 | 0.00 | $ - | $ 192,221.75 |
| 164 | 1353.3625 | 1353.612549 | Residential | 5229.221985 | $ 3,796,415 | $ 1,898,208 | 1353.494629 | -0.12 | 1353.48999 | -0.12 | 1353.49646 | -0.12 | 1353.49646 | -0.12 | 3.509764 | $ 133,245 | 0 | $ - | $ 133,245.21 | 3.535644 | $ 134,228 | 0 | $ - | $ 134,227.72 |
| 165 | 1383.4026 | 1383.652588 | Residential | 5383.90863 | $ 3,908,718 | $ 1,954,359 | 1383.43689 | -0.22 | 1383.439697 | -0.21 | 1383.464355 | -0.19 | 1383.744873 | 0.09 | 3.148436 | $ 123,063 | 0 | $ - | $ 123,063.47 | 6.76855 | $ 264,564 | 3.87597 | $ 75,750 | $ 340,313.87 |
| 166 | 1372.4465 | 1372.696533 | Residential | 5019.003479 | $ 3,643,797 | $ 1,821,898 | 1372.785156 | 0.09 | 1372.790039 | 0.09 | 1372.791992 | 0.10 | 1372.786621 | 0.09 | 6.80518 | $ 247,967 | 3.927252 | $ 71,551 | $ 319,517.45 | 6.70264 | $ 244,231 | 3.783696 | $ 68,935 | $ 313,165.66 |
| 167 | 1362.7709 | 1363.020874 | Residential | 89.848938 | $ 65,230 | $ 32,615 | 1362.811768 | -0.21 | 1362.813477 | -0.21 | 1362.815186 | -0.21 | 1362.815186 | -0.21 | 3.170412 | $ 2,068 | 0 | $ - | $ 2,068.07 | 3.177248 | $ 2,073 | 0 | $ - | $ 2,072.53 |
| 168 | 1365.083 | 1365.333008 | Residential | 7013.951599 | $ 5,092,129 | $ 2,546,064 | 1365.13855 | -0.19 | 1365.140015 | -0.19 | 1365.140991 | -0.19 | 1365.140991 | -0.19 | 3.23 | $ 164,375 | 0.00 | $ - | $ 164,375.35 | 3.23 | $ 164,574 | 0.00 | $ - | $ 164,574.14 |
| 169 | 1362.7377 | 1362.987671 | Residential | 5120.312622 | $ 3,717,347 | $ 1,858,673 | 1362.824219 | -0.16 | 1362.821777 | -0.17 | 1362.997803 | 0.01 | 1362.758911 | -0.23 | 3.336424 | $ 124,026 | 0 | $ - | $ 124,026.46 | 3.08496 | $ 114,679 | 0 | $ - | $ 114,678.67 |
| 170 | 1360.1978 | 1360.447754 | Residential | 793.997314 | $ 576,442 | $ 288,221 | 1360.297607 | -0.15 | 1360.296753 | -0.15 | 1360.363892 | -0.08 | 1360.36377 | -0.08 | 3.395996 | $ 19,576 | 0 | $ - | $ 19,575.95 | 3.664064 | $ 21,121 | 0 | $ - | $ 21,121.21 |
| 171 | 1376.9437 | 1377.193726 | Residential | 6148.210022 | $ 4,463,600 | $ 2,231,800 | 1377.074829 | -0.12 | 1377.073853 | -0.12 | 1377.077393 | -0.12 | 1377.077393 | -0.12 | 3.520508 | $ 157,141 | 0 | $ - | $ 157,141.41 | 3.534668 | $ 157,773 | 0 | $ - | $ 157,773.46 |
| 172 | 1382.8645 | 1383.114502 | Residential | 417.621704 | $ 303,193 | $ 151,597 | 1383.075317 | -0.04 | 1383.074097 | -0.04 | 1383.662109 | 0.55 | 1383.49707 | 0.38 | 3.83838 | $ 11,638 | 0 | $ - | $ 11,637.71 | 15.47704 | $ 46,925 | 16.067856 | $ 24,358 | $ 71,283.69 |
| 173 | 1382.9543 | 1383.204346 | Residential | 7021.7854 | $ 5,097,816 | $ 2,548,908 | 1383.303101 | 0.10 | 1383.30249 | 0.10 | 1383.720337 | 0.52 | 1384.014648 | 0.81 | 6.94 | $ 354,009 | 4.12 | $ 105,067 | $ 459,075.89 | 28.31 | $ 1,443,144 | 34.03 | $ 867,462 | $ 2,310,605.69 |
| 174 | 1360.3568 | 1360.606812 | Residential | 987.539978 | $ 716,954 | $ 358,477 | 1360.389648 | -0.22 | 1360.390015 | -0.22 | 1360.392334 | -0.21 | 1360.392334 | -0.21 | 3.132812 | $ 22,461 | 0 | $ - | $ 22,460.82 | 3.142088 | $ 22,527 | 0 | $ - | $ 22,527.33 |
| 175 | 1371.0583 | 1371.30835 | Residential | 4343.393616 | $ 3,153,304 | $ 1,576,652 | 1371.106812 | -0.20 | 1371.103516 | -0.20 | 1371.108887 | -0.20 | 1371.108887 | -0.20 | 3.180664 | $ 100,296 | 0 | $ - | $ 100,296.00 | 3.202148 | $ 100,973 | 0 | $ - | $ 100,973.45 |
| 176 | 1363.4857 | 1363.735718 | Residential | 1258.273743 | $ 913,507 | $ 456,753 | 1363.566162 | -0.17 | 1363.56543 | -0.17 | 1363.714722 | -0.02 | 1363.61731 | -0.12 | 3.318848 | $ 30,318 | 0 | $ - | $ 30,317.90 | 3.526368 | $ 32,214 | 0 | $ - | $ 32,213.61 |
| 177 | 1382.4683 | 1382.718262 | Residential | 5926.931763 | $ 4,302,952 | $ 2,151,476 | 1382.520874 | -0.20 | 1382.522339 | -0.20 | 1383.109375 | 0.39 | 1382.892212 | 0.17 | 3.216308 | $ 138,396 | 0 | $ - | $ 138,396.20 | 9.2185 | $ 396,668 | 7.3059 | $ 157,185 | $ 553,852.37 |
| 178 | 1367.0305 | 1367.280518 | Residential | 7461.676697 | $ 5,417,177 | $ 2,708,589 | 1367.084473 | -0.20 | 1367.079956 | -0.20 | 1367.086426 | -0.19 | 1367.086304 | -0.19 | 3.197752 | $ 173,228 | 0 | $ - | $ 173,227.89 | 3.223144 | $ 174,603 | 0 | $ - | $ 174,603.42 |
| 179 | 1366.8289 | 1367.078857 | Residential | 8772.664185 | $ 6,368,954 | $ 3,184,477 | 1367.044067 | -0.03 | 1367.04834 | -0.03 | 1367.045654 | -0.03 | 1367.045654 | -0.03 | 3.877932 | $ 246,984 | 0 | $ - | $ 246,983.71 | 3.867188 | $ 246,299 | 0 | $ - | $ 246,299.43 |
| 180 | 1364.3354 | 1364.585449 | Residential | 1242.911804 | $ 902,354 | $ 451,177 | 1364.427124 | -0.16 | 1364.428833 | -0.16 | 1364.576904 | -0.01 | 1364.416138 | -0.17 | 3.373536 | $ 30,441 | 0 | $ - | $ 30,441.24 | 3.322756 | $ 29,983 | 0 | $ - | $ 29,983.02 |
| 181 | 1385.5297 | 1385.779663 | Residential | 4264.038574 | $ 3,095,692 | $ 1,547,846 | 1385.641846 | -0.14 | 1385.642456 | -0.14 | 1385.643677 | -0.14 | 1385.643799 | -0.14 | 3.451172 | $ 106,838 | 0 | $ - | $ 106,837.66 | 3.456544 | $ 107,004 | 0 | $ - | $ 107,003.96 |
| 182 | 1374.311 | 1374.561035 | Residential | 5276.539246 | $ 3,830,767 | $ 1,915,384 | 1374.384644 | -0.18 | 1374.380005 | -0.18 | 1374.387817 | -0.17 | 1374.387817 | -0.17 | 3.27588 | $ 125,491 | 0 | $ - | $ 125,491.35 | 3.307128 | $ 126,688 | 0 | $ - | $ 126,688.38 |
| 183 | 1358.566 | 1358.81604 | Residential | 7594.135925 | $ 5,513,343 | $ 2,756,671 | 1358.577881 | -0.24 | 1358.579956 | -0.24 | 1358.580444 | -0.24 | 1358.580444 | -0.24 | 3.06 | $ 168,469 | 0.00 | $ - | $ 168,469.23 | 3.06 | $ 168,577 | 0.00 | $ - | $ 168,576.85 |
| 184 | 1380.236 | 1380.485962 | Residential | 4827.576904 | $ 3,504,821 | $ 1,752,410 | 1380.30188 | -0.18 | 1380.304321 | -0.18 | 1380.490601 | 0.00 | 1380.304321 | -0.18 | 3.273436 | $ 114,728 | 0 | $ - | $ 114,728.07 | 3.273436 | $ 114,728 | 0 | $ - | $ 114,728.07 |
| 185 | 1363.7234 | 1363.973389 | Residential | 10285.24762 | $ 7,467,090 | $ 3,733,545 | 1363.945801 | -0.03 | 1363.949951 | -0.02 | 1363.94751 | -0.03 | 1363.947388 | -0.03 | 3.906248 | $ 291,683 | 0 | $ - | $ 291,683.04 | 3.895996 | $ 290,918 | 0 | $ - | $ 290,917.52 |
| 186 | 1364.5854 | 1364.835449 | Residential | 6041.695801 | $ 4,386,271 | $ 2,193,136 | 1364.953857 | 0.12 | 1364.951416 | 0.12 | 1365.078857 | 0.24 | 1364.9823 | 0.15 | 7.48 | $ 328,050 | 4.87 | $ 106,819 | $ 434,868.83 | 8.41 | $ 368,689 | 6.17 | $ 135,267 | $ 503,956.28 |
| 187 | 1358.5145 | 1358.764526 | Residential | 4361.768433 | $ 3,166,644 | $ 1,583,322 | 1358.786499 | 0.02 | 1358.790039 | 0.03 | 1358.788574 | 0.02 | 1358.788574 | 0.02 | 4.76539 | $ 150,903 | 1.071546 | $ 16,966 | $ 167,868.95 | 4.72144 | $ 149,511 | 1.010016 | $ 15,992 | $ 165,503.00 |
| 188 | 1364.4982 | 1364.748169 | Residential | 2346.480347 | $ 1,703,545 | $ 851,772 | 1364.658569 | -0.09 | 1364.660034 | -0.09 | 1364.901978 | 0.15 | 1364.857544 | 0.11 | 3.65 | $ 62,136 | 0.00 | $ - | $ 62,136.11 | 7.28 | $ 124,039 | 4.59 | $ 39,128 | $ 163,167.64 |
| 189 | 1349.9558 | 1350.205811 | Residential | 2159.600586 | $ 1,567,870 | $ 783,935 | 1349.965942 | -0.24 | 1349.969971 | -0.24 | 1349.987671 | -0.22 | 1349.968506 | -0.24 | 3.06 | $ 47,924 | 0.00 | $ - | $ 47,924.14 | 3.05 | $ 47,832 | 0.00 | $ - | $ 47,832.27 |
| 190 | 1378.7681 | 1379.018066 | Residential | 11906.15375 | $ 8,643,868 | $ 4,321,934 | 1378.897461 | -0.12 | 1378.895508 | -0.12 | 1378.978882 | -0.04 | 1378.978882 | -0.04 | 3.51 | $ 303,380 | 0.00 | $ - | $ 303,379.70 | 3.84 | $ 332,207 | 0.00 | $ - | $ 332,206.65 |
| 191 | 1368.9064 | 1369.156372 | Residential | 8501.921448 | $ 6,172,395 | $ 3,086,197 | 1368.998169 | -0.16 | 1369 | -0.16 | 1369.000854 | -0.16 | 1369.000854 | -0.16 | 3.37 | $ 208,288 | 0.00 | $ - | $ 208,288.21 | 3.38 | $ 208,499 | 0.00 | $ - | $ 208,499.06 |
| 192 | 1386.421 | 1386.671021 | Residential | 7075.245361 | $ 5,136,628 | $ 2,568,314 | 1386.675415 | 0.00 | 1386.675537 | 0.00 | 1387.56189 | 0.89 | 1387.329956 | 0.66 | 4.14 | $ 212,424 | 0.19 | $ 4,871 | $ 217,295.60 | 23.77 | $ 1,220,876 | 27.68 | $ 710,788 | $ 1,931,664.19 |
| 193 | 1362.7275 | 1362.977539 | Residential | 9759.761292 | $ 7,085,587 | $ 3,542,793 | 1362.987305 | 0.01 | 1362.98999 | 0.01 | 1362.989624 | 0.01 | 1362.989624 | 0.01 | 4.37 | $ 309,890 | 0.52 | $ 18,527 | $ 328,417.01 | 4.36 | $ 309,112 | 0.51 | $ 17,982 | $ 327,094.42 |
| 194 | 1359.8994 | 1360.149414 | Residential | 5130.461975 | $ 3,724,715 | $ 1,862,358 | 1360.129272 | -0.02 | 1360.109985 | -0.04 | 1360.291382 | 0.14 | 1360.05542 | -0.09 | 3.842284 | $ 143,114 | 0 | $ - | $ 143,114.14 | 3.624024 | $ 134,985 | 0 | $ - | $ 134,984.58 |
| 195 | 1371.9503 | 1372.200317 | Residential | 5811.423157 | $ 4,219,093 | $ 2,109,547 | 1372.028442 | -0.17 | 1372.030029 | -0.17 | 1372.031372 | -0.17 | 1372.031372 | -0.17 | 3.318848 | $ 140,025 | 0 | $ - | $ 140,025.29 | 3.32422 | $ 140,252 | 0 | $ - | $ 140,251.94 |
| 196 | 1375.9243 | 1376.174316 | Residential | 3570.859131 | $ 2,592,444 | $ 1,296,222 | 1375.952637 | -0.22 | 1375.952393 | -0.22 | 1375.955322 | -0.22 | 1375.955444 | -0.22 | 3.112308 | $ 80,685 | 0 | $ - | $ 80,684.83 | 3.124512 | $ 81,001 | 0 | $ - | $ 81,001.22 |
| 197 | 1382.3914 | 1382.641357 | Residential | 4534.560791 | $ 3,292,091 | $ 1,646,046 | 1382.78833 | 0.15 | 1382.78894 | 0.15 | 1382.793213 | 0.15 | 1382.793091 | 0.15 | 8.43 | $ 277,441 | 6.20 | $ 102,030 | $ 379,470.56 | 8.55 | $ 281,540 | 6.37 | $ 104,900 | $ 386,439.95 |
| 198 | 1372.3955 | 1372.645508 | Residential | 3843.095703 | $ 2,790,087 | $ 1,395,044 | 1372.505371 | -0.14 | 1372.508545 | -0.14 | 1372.546753 | -0.10 | 1372.546753 | -0.10 | 3.452148 | $ 96,318 | 0 | $ - | $ 96,317.95 | 3.60498 | $ 100,582 | 0 | $ - | $ 100,582.10 |
| 199 | 1378.7993 | 1379.049316 | Residential | 5130.287109 | $ 3,724,588 | $ 1,862,294 | 1379.104492 | 0.06 | 1379.099976 | 0.05 | 1379.106445 | 0.06 | 1379.106323 | 0.06 | 5.52 | $ 205,590 | 2.13 | $ 39,624 | $ 245,214.24 | 5.71 | $ 212,682 | 2.39 | $ 44,589 | $ 257,270.62 |
| 200 | 1369.2933 | 1369.543335 | Residential | 4194.780518 | $ 3,045,411 | $ 1,522,705 | 1369.405518 | -0.14 | 1369.407227 | -0.14 | 1369.692261 | 0.15 | 1369.369751 | -0.17 | 3.455568 | $ 105,236 | 0 | $ - | $ 105,236.24 | 3.305664 | $ 100,671 | 0 | $ - | $ 100,671.04 |
| 201 | 1384.4399 | 1384.689941 | Residential | 4500.588989 | $ 3,267,428 | $ 1,633,714 | 1385.165039 | 0.48 | 1385.160034 | 0.47 | 1385.166504 | 0.48 | 1385.166626 | 0.48 | 18.10279 | $ 591,496 | 19.743906 | $ 322,559 | $ 914,054.48 | 18.30055 | $ 597,957 | 20.02077 | $ 327,082 | $ 925,039.31 |
| 202 | 1386.7983 | 1387.04834 | Residential | 4524.202332 | $ 3,284,571 | $ 1,642,285 | 1387.091187 | 0.04 | 1387.081299 | 0.03 | 1387.682007 | 0.63 | 1386.833618 | -0.21 | 4.98877 | $ 163,860 | 1.384278 | $ 22,734 | $ 186,593.48 | 3.141112 | $ 103,172 | 0 | $ - | $ 103,172.05 |
| 203 | 1372.1863 | 1372.436279 | Residential | 4600.928711 | $ 3,340,274 | $ 1,670,137 | 1372.266113 | -0.17 | 1372.266479 | -0.17 | 1372.269165 | -0.17 | 1372.269287 | -0.17 | 3.3208 | $ 110,924 | 0 | $ - | $ 110,923.83 | 3.332032 | $ 111,299 | 0 | $ - | $ 111,299.01 |
| 204 | 1351.7186 | 1351.968628 | Residential | 927.027771 | $ 673,022 | $ 336,511 | 1351.785278 | -0.18 | 1351.790039 | -0.18 | 1351.787354 | -0.18 | 1351.787476 | -0.18 | 3.285644 | $ 22,113 | 0 | $ - | $ 22,113.11 | 3.275392 | $ 22,044 | 0 | $ - | $ 22,044.11 |
| 205 | 1373.9084 | 1374.158447 | Residential | 6269.81665 | $ 4,551,887 | $ 2,275,943 | 1374.034424 | -0.12 | 1374.030029 | -0.13 | 1374.037842 | -0.12 | 1374.037842 | -0.12 | 3.486328 | $ 158,694 | 0 | $ - | $ 158,693.71 | 3.51758 | $ 160,116 | 0 | $ - | $ 160,116.26 |
| 206 | 1365.4144 | 1365.664429 | Residential | 6051.600159 | $ 4,393,462 | $ 2,196,731 | 1365.444336 | -0.22 | 1365.444214 | -0.22 | 1365.870117 | 0.21 | 1365.701416 | 0.04 | 3.11914 | $ 137,038 | 0 | $ - | $ 137,038.22 | 5.10961 | $ 224,489 | 1.553454 | $ 34,125 | $ 258,613.96 |
| 207 | 1353.8657 | 1354.115723 | Residential | 755.925842 | $ 548,802 | $ 274,401 | 1353.93396 | -0.18 | 1353.930054 | -0.19 | 1353.936157 | -0.18 | 1353.936157 | -0.18 | 3.26 | $ 17,876 | 0.00 | $ - | $ 17,876.26 | 3.28 | $ 18,010 | 0.00 | $ - | $ 18,010.24 |
| 208 | 1369.4449 | 1369.694946 | Residential | 7994.761414 | $ 5,804,197 | $ 2,902,098 | 1369.686035 | -0.01 | 1369.689941 | -0.01 | 1369.687744 | -0.01 | 1369.687744 | -0.01 | 3.98 | $ 231,006 | 0.00 | $ - | $ 231,005.87 | 3.97 | $ 230,496 | 0.00 | $ - | $ 230,495.80 |
| 209 | 1356.6626 | 1356.912598 | Residential | 6371.821533 | $ 4,625,942 | $ 2,312,971 | 1356.790527 | -0.12 | 1356.794678 | -0.12 | 1357.093018 | 0.18 | 1356.822266 | -0.09 | 3.52832 | $ 163,218 | 0 | $ - | $ 163,218.05 | 3.638672 | $ 168,323 | 0 | $ - | $ 168,322.87 |
| 210 | 1378.3789 | 1378.628906 | Residential | 1189.775024 | $ 863,777 | $ 431,888 | 1378.425903 | -0.20 | 1378.430054 | -0.20 | 1378.454956 | -0.17 | 1378.473999 | -0.15 | 3.20 | $ 27,681 | 0.00 | $ - | $ 27,680.52 | 3.38 | $ 29,199 | 0.00 | $ - | $ 29,198.86 |
| 211 | 1372.8145 | 1373.064453 | Residential | 7189.552734 | $ 5,219,615 | $ 2,609,808 | 1372.927002 | -0.14 | 1372.930054 | -0.13 | 1372.929077 | -0.14 | 1372.929199 | -0.14 | 3.462404 | $ 180,724 | 0 | $ - | $ 180,724.17 | 3.458984 | $ 180,546 | 0 | $ - | $ 180,545.66 |
| 212 | 1384.6993 | 1384.949341 | Residential | 4849.682129 | $ 3,520,869 | $ 1,760,435 | 1384.800659 | -0.15 | 1384.798706 | -0.15 | 1384.845337 | -0.10 | 1384.848267 | -0.10 | 3.40 | $ 119,620 | 0.00 | $ - | $ 119,620.12 | 3.60 | $ 126,600 | 0.00 | $ - | $ 126,600.04 |
| 213 | 1374.1124 | 1374.362427 | Residential | 5543.06311 | $ 4,024,264 | $ 2,012,132 | 1374.303589 | -0.06 | 1374.300049 | -0.06 | 1375.235962 | 0.87 | 1374.947021 | 0.58 | 3.75 | $ 150,930 | 0.00 | $ - | $ 150,929.53 | 21.54 | $ 866,739 | 24.55 | $ 494,038 | $ 1,360,776.40 |
| 214 | 1351.9253 | 1352.175293 | Residential | 7474.652283 | $ 5,426,598 | $ 2,713,299 | 1352.022827 | -0.15 | 1352.020386 | -0.15 | 1352.025024 | -0.15 | 1352.025146 | -0.15 | 3.38 | $ 183,439 | 0.00 | $ - | $ 183,439.18 | 3.40 | $ 184,472 | 0.00 | $ - | $ 184,472.41 |
| 215 | 1372.7062 | 1372.956177 | Residential | 365.232666 | $ 265,159 | $ 132,579 | 1372.750366 | -0.21 | 1372.75 | -0.21 | 1372.754272 | -0.20 | 1372.754272 | -0.20 | 3.175292 | $ 8,420 | 0 | $ - | $ 8,419.57 | 3.19238 | $ 8,465 | 0 | $ - | $ 8,464.88 |
| 216 | 1383.9557 | 1384.205688 | Residential | 10282.73602 | $ 7,465,266 | $ 3,732,633 | 1384.018188 | -0.19 | 1384.02002 | -0.19 | 1384.431885 | 0.23 | 1384.276855 | 0.07 | 3.257328 | $ 243,168 | 0 | $ - | $ 243,168.21 | 6.13501 | $ 457,995 | 2.989014 | $ 111,569 | $ 569,563.77 |
| 217 | 1379.6527 | 1379.90271 | Residential | 5808.621948 | $ 4,217,060 | $ 2,108,530 | 1379.669067 | -0.23 | 1379.665283 | -0.24 | 1379.678833 | -0.22 | 1379.678833 | -0.22 | 3.050292 | $ 128,633 | 0 | $ - | $ 128,632.63 | 3.104492 | $ 130,918 | 0 | $ - | $ 130,918.28 |
| 218 | 1378.8989 | 1379.148926 | Residential | 5431.955078 | $ 3,943,599 | $ 1,971,800 | 1378.959473 | -0.19 | 1378.959961 | -0.19 | 1379.071411 | -0.08 | 1379.14856 | 0.00 | 3.24414 | $ 127,936 | 0 | $ - | $ 127,935.89 | 3.998536 | $ 157,686 | 0 | $ - | $ 157,686.24 |
| 219 | 1361.0637 | 1361.313721 | Residential | 697.469788 | $ 506,363 | $ 253,182 | 1361.248169 | -0.07 | 1361.244873 | -0.07 | 1361.327881 | 0.01 | 1361.283569 | -0.03 | 3.724608 | $ 18,860 | 0 | $ - | $ 18,860.04 | 3.879392 | $ 19,644 | 0 | $ - | $ 19,643.81 |
| 220 | 1363.9265 | 1364.176514 | Residential | 5530.390808 | $ 4,015,064 | $ 2,007,532 | 1364.312012 | 0.14 | 1364.307861 | 0.13 | 1364.484375 | 0.31 | 1364.317505 | 0.14 | 7.94 | $ 318,813 | 5.52 | $ 110,747 | $ 429,559.50 | 8.23 | $ 330,429 | 5.92 | $ 118,878 | $ 449,307.35 |
| 221 | 1365.9146 | 1366.164551 | Residential | 7421.591003 | $ 5,388,075 | $ 2,694,038 | 1365.946289 | -0.22 | 1365.947144 | -0.22 | 1365.94812 | -0.22 | 1365.94812 | -0.22 | 3.130372 | $ 168,667 | 0 | $ - | $ 168,666.79 | 3.134276 | $ 168,877 | 0 | $ - | $ 168,877.14 |
| 222 | 1355.2457 | 1355.495728 | Residential | 6237.714416 | $ 4,528,581 | $ 2,264,290 | 1355.38916 | -0.11 | 1355.387085 | -0.11 | 1355.394287 | -0.10 | 1355.394287 | -0.10 | 3.565428 | $ 161,463 | 0 | $ - | $ 161,463.28 | 3.594236 | $ 162,768 | 0 | $ - | $ 162,767.88 |
| 223 | 1367.9564 | 1368.206421 | Residential | 6903.520142 | $ 5,011,956 | $ 2,505,978 | 1368.126953 | -0.08 | 1368.130005 | -0.08 | 1368.12915 | -0.08 | 1368.12915 | -0.08 | 3.694336 | $ 185,158 | 0.00 | $ - | $ 185,158.48 | 3.690916 | $ 184,987 | 0.00 | $ - | $ 184,987.07 |
| 224 | 1367.7229 | 1367.9729 | Residential | 7568.887512 | $ 5,495,012 | $ 2,747,506 | 1367.817627 | -0.16 | 1367.819946 | -0.15 | 1367.859985 | -0.11 | 1367.819946 | -0.15 | 3.388184 | $ 186,181 | 0 | $ - | $ 186,181.13 | 3.388184 | $ 186,181 | 0 | $ - | $ 186,181.13 |
| 225 | 1372.2632 | 1372.513184 | Residential | 6819.513489 | $ 4,950,967 | $ 2,475,483 | 1372.534302 | 0.02 | 1372.530029 | 0.02 | 1372.535645 | 0.02 | 1372.535645 | 0.02 | 4.51 | $ 223,058 | 0.71 | $ 17,514 | $ 240,572.18 | 4.67 | $ 231,400 | 0.94 | $ 23,353 | $ 254,752.54 |
| 226 | 1382.7257 | 1382.975708 | Residential | 414.181458 | $ 300,696 | $ 150,348 | 1382.818604 | -0.16 | 1382.819946 | -0.16 | 1382.976807 | 0.00 | 1383.06543 | 0.09 | 3.376952 | $ 10,154 | 0.00 | $ - | $ 10,154.35 | 6.69166 | $ 20,122 | 3.77 | $ 5,666 | $ 25,787.13 |
| 227 | 1377.9037 | 1378.153687 | Residential | 6325.296997 | $ 4,592,166 | $ 2,296,083 | 1377.931274 | -0.22 | 1377.93042 | -0.22 | 1377.95105 | -0.20 | 1377.956909 | -0.20 | 3.11 | $ 142,675 | 0.00 | $ - | $ 142,675.46 | 3.21 | $ 147,541 | 0.00 | $ - | $ 147,541.14 |
| 228 | 1369.9781 | 1370.228149 | Residential | 7107.003967 | $ 5,159,685 | $ 2,579,842 | 1370.020264 | -0.21 | 1370.02002 | -0.21 | 1370.023315 | -0.20 | 1370.023315 | -0.20 | 3.17 | $ 163,432 | 0.00 | $ - | $ 163,432.19 | 3.18 | $ 164,112 | 0.00 | $ - | $ 164,112.24 |
| 229 | 1366.7046 | 1366.95459 | Residential | 6420.218262 | $ 4,661,078 | $ 2,330,539 | 1366.699341 | -0.26 | 1366.699951 | -0.25 | 1366.702881 | -0.25 | 1366.702881 | -0.25 | 2.98 | $ 138,967 | 0.00 | $ - | $ 138,967.44 | 2.99 | $ 139,514 | 0.00 | $ - | $ 139,513.72 |
| 230 | 1355.0955 | 1355.345459 | Residential | 7691.567017 | $ 5,584,078 | $ 2,792,039 | 1355.132324 | -0.21 | 1355.130005 | -0.22 | 1355.30835 | -0.04 | 1355.136841 | -0.21 | 3.138184 | $ 175,239 | 0 | $ - | $ 175,238.63 | 3.165528 | $ 176,766 | 0 | $ - | $ 176,765.54 |
| 231 | 1372.5229 | 1372.772949 | Residential | 7904.628235 | $ 5,738,760 | $ 2,869,380 | 1372.625 | -0.15 | 1372.622925 | -0.15 | 1372.852051 | 0.08 | 1372.627319 | -0.15 | 3.399904 | $ 195,112 | 0 | $ - | $ 195,112.33 | 3.41748 | $ 196,121 | 0 | $ - | $ 196,120.98 |
| 232 | 1373.4587 | 1373.70874 | Residential | 6641.056396 | $ 4,821,407 | $ 2,410,703 | 1373.506714 | -0.20 | 1373.506592 | -0.20 | 1373.51062 | -0.20 | 1373.51062 | -0.20 | 3.19 | $ 153,871 | 0.00 | $ - | $ 153,870.77 | 3.21 | $ 154,648 | 0.00 | $ - | $ 154,647.59 |
| 233 | 1368.4092 | 1368.65918 | Residential | 650.331116 | $ 472,140 | $ 236,070 | 1368.462769 | -0.20 | 1368.466675 | -0.19 | 1368.465942 | -0.19 | 1368.465942 | -0.19 | 3.22998 | $ 15,250 | 0 | $ - | $ 15,250.04 | 3.227048 | $ 15,236 | 0 | $ - | $ 15,236.20 |
| 234 | 1360.5137 | 1360.763672 | Residential | 6230.277466 | $ 4,523,181 | $ 2,261,591 | 1360.886719 | 0.12 | 1360.882568 | 0.12 | 1361.106689 | 0.34 | 1360.874512 | 0.11 | 7.56688 | $ 342,264 | 4.993632 | $ 112,936 | $ 455,199.23 | 7.3252 | $ 331,332 | 4.65528 | $ 105,283 | $ 436,615.47 |
| 235 | 1353.9615 | 1354.211548 | Residential | 6218.86676 | $ 4,514,897 | $ 2,257,449 | 1354.11731 | -0.09 | 1354.119995 | -0.09 | 1354.119385 | -0.09 | 1354.119385 | -0.09 | 3.63 | $ 164,062 | 0.00 | $ - | $ 164,061.80 | 3.63 | $ 163,952 | 0.00 | $ - | $ 163,951.63 |
| 236 | 1361.0813 | 1361.331299 | Residential | 552.338257 | $ 400,998 | $ 200,499 | 1361.399292 | 0.07 | 1361.398926 | 0.07 | 1361.947754 | 0.62 | 1361.722046 | 0.39 | 6.02881 | $ 24,175 | 2.840334 | $ 5,695 | $ 29,870.22 | 15.72241 | $ 63,046 | 16.411374 | $ 32,905 | $ 95,951.09 |

## 10-Year and 100-Year Proposed Building Damages in Area K

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 237 | 1363.077 | 1363.327026 | Residential | 10609.44226 | $ 7,702,455 | $ 3,851,228 | 1363.127563 | -0.20 | 1363.130005 | -0.20 | 1363.129761 | -0.20 | 1363.129761 | -0.20 | 3.21 | $ 247,396 | 0.00 | $ - | $ 247,396.39 | 3.21 | $ 247,321 | 0.00 | $ - | $ 247,321.21 |
| 238 | 1349.4791 | 1349.729126 | Residential | 1499.625549 | $ 1,088,728 | $ 544,364 | 1349.505493 | -0.22 | 1349.505371 | -0.22 | 1349.608521 | -0.12 | 1349.554077 | -0.18 | 3.10498 | $ 33,805 | 0 | $ - | $ 33,804.79 | 3.299804 | $ 35,926 | 0 | $ - | $ 35,925.89 |
| 239 | 1368.2323 | 1368.4823 | Residential | 6792.286804 | $ 4,931,200 | $ 2,465,600 | 1368.323364 | -0.16 | 1368.321777 | -0.16 | 1368.325684 | -0.16 | 1368.325684 | -0.16 | 3.36 | $ 165,585 | 0.00 | $ - | $ 165,585.17 | 3.37 | $ 166,356 | 0.00 | $ - | $ 166,355.81 |
| 240 | 1366.8684 | 1367.118408 | Residential | 6303.598511 | $ 4,576,413 | $ 2,288,206 | 1366.92749 | -0.19 | 1366.926025 | -0.19 | 1366.931519 | -0.19 | 1366.931519 | -0.19 | 3.230468 | $ 147,840 | 0 | $ - | $ 147,839.54 | 3.252444 | $ 148,845 | 0 | $ - | $ 148,845.25 |
| 241 | 1381.4254 | 1381.675415 | Residential | 8258.813843 | $ 5,995,899 | $ 2,997,949 | 1381.619629 | -0.06 | 1381.620728 | -0.05 | 1381.691772 | 0.02 | 1381.666382 | -0.01 | 3.781252 | $ 226,720 | 0 | $ - | $ 226,720.05 | 3.963868 | $ 237,670 | 0 | $ - | $ 237,669.52 |
| 242 | 1374.0637 | 1374.313721 | Residential | 1514.909546 | $ 1,099,824 | $ 549,912 | 1374.154053 | -0.16 | 1374.150024 | -0.16 | 1374.155151 | -0.16 | 1374.155273 | -0.16 | 3.345212 | $ 36,791 | 0 | $ - | $ 36,791.46 | 3.366208 | $ 37,022 | 0 | $ - | $ 37,022.37 |
| 243 | 1361.5778 | 1361.827759 | Residential | 5731.376465 | $ 4,160,979 | $ 2,080,490 | 1361.610352 | -0.22 | 1361.609985 | -0.22 | 1361.613403 | -0.21 | 1361.613403 | -0.21 | 3.13 | $ 130,193 | 0.00 | $ - | $ 130,193.05 | 3.14 | $ 130,762 | 0.00 | $ - | $ 130,761.94 |
| 244 | 1368.0669 | 1368.316895 | Residential | 820.711121 | $ 595,836 | $ 297,918 | 1368.264038 | -0.05 | 1368.26001 | -0.06 | 1368.454102 | 0.14 | 1368.264893 | -0.05 | 3.77246 | $ 22,478 | 0 | $ - | $ 22,477.69 | 3.791992 | $ 22,594 | 0 | $ - | $ 22,594.06 |
| 245 | 1377.4694 | 1377.71936 | Residential | 9322.061707 | $ 6,767,817 | $ 3,383,908 | 1377.481201 | -0.24 | 1377.478882 | -0.24 | 1377.491089 | -0.23 | 1377.491089 | -0.23 | 3.04 | $ 205,612 | 0.00 | $ - | $ 205,612.23 | 3.09 | $ 208,917 | 0.00 | $ - | $ 208,916.82 |
| 246 | 1370.7789 | 1371.028931 | Residential | 4462.246643 | $ 3,239,591 | $ 1,619,796 | 1370.87854 | -0.15 | 1370.880005 | -0.15 | 1370.880981 | -0.15 | 1370.880981 | -0.15 | 3.404296 | $ 110,285 | 0 | $ - | $ 110,285.27 | 3.4082 | $ 110,412 | 0 | $ - | $ 110,411.74 |
| 247 | 1383.4347 | 1383.684692 | Residential | 5164.128662 | $ 3,749,157 | $ 1,874,579 | 1383.55481 | -0.13 | 1383.557129 | -0.13 | 1383.557861 | -0.13 | 1383.557861 | -0.13 | 3.49 | $ 130,836 | 0.00 | $ - | $ 130,836.15 | 3.49 | $ 130,946 | 0.00 | $ - | $ 130,945.92 |
| 248 | 1383.4193 | 1383.669312 | Residential | 5801.94397 | $ 4,212,211 | $ 2,106,106 | 1383.576904 | -0.09 | 1383.579956 | -0.09 | 1383.578613 | -0.09 | 1383.578491 | -0.09 | 3.642576 | $ 153,433 | 0.00 | $ - | $ 153,433.00 | 3.636716 | $ 153,186 | 0.00 | $ - | $ 153,186.16 |
| 249 | 1364.1787 | 1364.428711 | Residential | 4602.597412 | $ 3,341,486 | $ 1,670,743 | 1364.308594 | -0.12 | 1364.310059 | -0.12 | 1364.533447 | 0.10 | 1364.389771 | -0.04 | 3.53 | $ 117,800 | 0.00 | $ - | $ 117,800.47 | 3.84 | $ 128,455 | 0.00 | $ - | $ 128,454.73 |
| 250 | 1378.4397 | 1378.689697 | Residential | 5496.526245 | $ 3,990,478 | $ 1,995,239 | 1378.47644 | -0.21 | 1378.47998 | -0.21 | 1378.478271 | -0.21 | 1378.478271 | -0.21 | 3.16 | $ 126,144 | 0.00 | $ - | $ 126,144.28 | 3.15 | $ 125,871 | 0.00 | $ - | $ 125,871.49 |
| 251 | 1380.9373 | 1381.187256 | Residential | 5218.038513 | $ 3,788,296 | $ 1,894,148 | 1380.941772 | -0.25 | 1380.939819 | -0.25 | 1380.987305 | -0.20 | 1381.089478 | -0.10 | 3.01 | $ 114,037 | 0.00 | $ - | $ 114,037.25 | 3.61 | $ 136,715 | 0.00 | $ - | $ 136,715.36 |
| 252 | 1384.512 | 1384.761963 | Residential | 4131.500061 | $ 2,999,469 | $ 1,499,735 | 1384.564697 | -0.20 | 1384.560059 | -0.20 | 1384.589355 | -0.17 | 1384.589355 | -0.17 | 3.192384 | $ 95,755 | 0 | $ - | $ 95,754.57 | 3.309568 | $ 99,269 | 0 | $ - | $ 99,269.47 |
| 253 | 1359.9803 | 1360.230347 | Residential | 2268.955322 | $ 1,647,262 | $ 823,631 | 1360.014893 | -0.22 | 1360.013794 | -0.22 | 1360.255005 | 0.02 | 1360.105713 | -0.12 | 3.133788 | $ 51,622 | 0 | $ - | $ 51,621.69 | 3.501464 | $ 57,678 | 0 | $ - | $ 57,678.27 |
| 254 | 1352.5721 | 1352.822144 | Residential | 5705.019409 | $ 4,141,844 | $ 2,070,922 | 1352.655762 | -0.17 | 1352.660034 | -0.16 | 1352.8479 | 0.03 | 1352.69519 | -0.13 | 3.35 | $ 138,816 | 0.00 | $ - | $ 138,816.39 | 3.49 | $ 144,641 | 0.00 | $ - | $ 144,640.82 |
| 255 | 1377.2522 | 1377.502197 | Residential | 6675.252869 | $ 4,846,234 | $ 2,423,117 | 1377.436279 | -0.07 | 1377.435181 | -0.07 | 1377.437622 | -0.06 | 1377.437744 | -0.06 | 3.73 | $ 180,858 | 0.00 | $ - | $ 180,858.34 | 3.74 | $ 181,355 | 0.00 | $ - | $ 181,355.17 |
| 256 | 1378.1875 | 1378.4375 | Residential | 1162.67511 | $ 844,102 | $ 422,051 | 1378.304199 | -0.13 | 1378.302246 | -0.14 | 1378.308716 | -0.13 | 1378.308716 | -0.13 | 3.458984 | $ 29,197 | 0 | $ - | $ 29,197.36 | 3.484864 | $ 29,416 | 0 | $ - | $ 29,415.81 |
| 257 | 1351.558 | 1351.807983 | Residential | 7151.573364 | $ 5,192,042 | $ 2,596,021 | 1351.605347 | -0.20 | 1351.609985 | -0.20 | 1351.660278 | -0.15 | 1351.607544 | -0.20 | 3.208008 | $ 166,561 | 0 | $ - | $ 166,561.13 | 3.198244 | $ 166,054 | 0 | $ - | $ 166,054.18 |
| 258 | 1352.8057 | 1353.055664 | Residential | 1599.585388 | $ 1,161,299 | $ 580,649 | 1352.888916 | -0.17 | 1352.890991 | -0.16 | 1353.143311 | 0.09 | 1352.966919 | -0.09 | 3.341308 | $ 38,803 | 0 | $ - | $ 38,802.58 | 3.64502 | $ 42,330 | 0 | $ - | $ 42,329.58 |
| 259 | 1359.526 | 1359.776001 | Residential | 5013.345703 | $ 3,639,689 | $ 1,819,844 | 1359.563477 | -0.21 | 1359.560059 | -0.22 | 1359.815674 | 0.04 | 1359.676147 | -0.10 | 3.14 | $ 114,149 | 0.00 | $ - | $ 114,149.09 | 3.60 | $ 131,050 | 0.00 | $ - | $ 131,050.06 |
| 260 | 1369.9309 | 1370.180908 | Residential | 1631.4505 | $ 1,184,433 | $ 592,217 | 1370.001343 | -0.18 | 1370.003662 | -0.18 | 1370.005859 | -0.18 | 1370.005859 | -0.18 | 3.29 | $ 38,980 | 0.00 | $ - | $ 38,979.88 | 3.30 | $ 39,084 | 0.00 | $ - | $ 39,083.97 |
| 261 | 1364.5201 | 1364.770142 | Residential | 6330.97168 | $ 4,596,285 | $ 2,298,143 | 1364.756348 | -0.01 | 1364.76001 | -0.01 | 1364.758057 | -0.01 | 1364.758057 | -0.01 | 3.959472 | $ 181,989 | 0 | $ - | $ 181,988.64 | 3.95166 | $ 181,630 | 0 | $ - | $ 181,629.57 |
| 262 | 1379.0126 | 1379.262573 | Residential | 11915.48267 | $ 8,650,640 | $ 4,325,320 | 1379.315308 | 0.05 | 1379.310059 | 0.05 | 1379.430786 | 0.17 | 1379.430786 | 0.17 | 5.42 | $ 469,261 | 1.99 | $ 86,265 | $ 555,525.62 | 9.05 | $ 782,571 | 7.06 | $ 305,582 | $ 1,088,152.21 |
| 263 | 1380.3851 | 1380.635132 | Residential | 839.351196 | $ 609,369 | $ 304,684 | 1380.475952 | -0.16 | 1380.473145 | -0.16 | 1380.871704 | 0.24 | 1380.726929 | 0.09 | 3.35 | $ 20,426 | 0.00 | $ - | $ 20,426.36 | 6.75 | $ 41,156 | 3.86 | $ 11,747 | $ 52,903.26 |
| 264 | 1350.6312 | 1350.881226 | Residential | 11002.85187 | $ 7,988,070 | $ 3,994,035 | 1350.748291 | -0.13 | 1350.744751 | -0.14 | 1350.750366 | -0.13 | 1350.750366 | -0.13 | 3.4541 | $ 275,916 | 0 | $ - | $ 275,915.94 | 3.47656 | $ 277,710 | 0 | $ - | $ 277,710.06 |
| 265 | 1362.2693 | 1362.519287 | Residential | 8576.057251 | $ 6,226,218 | $ 3,113,109 | 1362.358276 | -0.16 | 1362.359985 | -0.16 | 1362.360718 | -0.16 | 1362.360718 | -0.16 | 3.362792 | $ 209,375 | 0 | $ - | $ 209,374.75 | 3.365724 | $ 209,557 | 0 | $ - | $ 209,557.30 |
| 266 | 1379.4694 | 1379.71936 | Residential | 541.316711 | $ 392,996 | $ 196,498 | 1379.508667 | -0.21 | 1379.511963 | -0.21 | 1379.52002 | -0.20 | 1379.52002 | -0.20 | 3.170412 | $ 12,460 | 0 | $ - | $ 12,459.59 | 3.20264 | $ 12,586 | 0 | $ - | $ 12,586.24 |
| 267 | 1375.348 | 1375.598022 | Residential | 5572.635681 | $ 4,045,734 | $ 2,022,867 | 1375.486694 | -0.11 | 1375.48999 | -0.11 | 1375.488647 | -0.11 | 1375.488647 | -0.11 | 3.567872 | $ 144,347 | 0 | $ - | $ 144,346.59 | 3.5625 | $ 144,129 | 0 | $ - | $ 144,129.26 |
| 268 | 1369.1 | 1369.349976 | Residential | 4953.879761 | $ 3,596,517 | $ 1,798,258 | 1369.13855 | -0.21 | 1369.140015 | -0.21 | 1369.140991 | -0.21 | 1369.140991 | -0.21 | 3.160156 | $ 113,656 | 0 | $ - | $ 113,655.54 | 3.16406 | $ 113,796 | 0 | $ - | $ 113,795.95 |
| 269 | 1375.8182 | 1376.068237 | Residential | 7317.905151 | $ 5,312,799 | $ 2,656,400 | 1375.90625 | -0.16 | 1375.910034 | -0.16 | 1375.908203 | -0.16 | 1375.908203 | -0.16 | 3.367188 | $ 178,892 | 0 | $ - | $ 178,891.94 | 3.359864 | $ 178,503 | 0 | $ - | $ 178,502.83 |
| 270 | 1372.4429 | 1372.692871 | Residential | 5703.677429 | $ 4,140,870 | $ 2,070,435 | 1372.499146 | -0.19 | 1372.5 | -0.19 | 1372.842041 | 0.15 | 1372.760498 | 0.07 | 3.228516 | $ 133,689 | 0 | $ - | $ 133,688.64 | 6.02881 | $ 249,645 | 2.840334 | $ 58,807 | $ 308,452.44 |
| 271 | 1373.303 | 1373.552979 | Residential | 4983.422424 | $ 3,617,965 | $ 1,808,982 | 1373.359741 | -0.19 | 1373.359985 | -0.19 | 1373.362549 | -0.19 | 1373.362549 | -0.19 | 3.23 | $ 116,789 | 0.00 | $ - | $ 116,788.77 | 3.24 | $ 117,160 | 0.00 | $ - | $ 117,159.83 |
| 272 | 1374.13 | 1374.380005 | Residential | 1252.694458 | $ 909,456 | $ 454,728 | 1374.165894 | -0.21 | 1374.165894 | -0.21 | 1374.209473 | -0.17 | 1374.31543 | -0.06 | 3.14 | $ 28,589 | 0.00 | $ - | $ 28,589.26 | 3.74 | $ 34,029 | 0.00 | $ - | $ 34,029.12 |
| 273 | 1380.0908 | 1380.34082 | Residential | 6937.932373 | $ 5,036,939 | $ 2,518,469 | 1380.18396 | -0.16 | 1380.179443 | -0.16 | 1380.187744 | -0.15 | 1380.187744 | -0.15 | 3.354492 | $ 168,964 | 0 | $ - | $ 168,963.71 | 3.387696 | $ 170,636 | 0 | $ - | $ 170,636.18 |
| 274 | 1367.9772 | 1368.227173 | Residential | 913.789795 | $ 663,411 | $ 331,706 | 1368.055054 | -0.17 | 1368.054565 | -0.17 | 1368.118164 | -0.11 | 1368.118652 | -0.11 | 3.309568 | $ 21,956 | 0 | $ - | $ 21,956.05 | 3.565916 | $ 23,657 | 0 | $ - | $ 23,656.69 |
| 275 | 1385.3944 | 1385.644409 | Residential | 5771.407349 | $ 4,190,042 | $ 2,095,021 | 1385.609619 | -0.03 | 1385.606689 | -0.04 | 1385.611938 | -0.03 | 1385.611938 | -0.03 | 3.84912 | $ 161,280 | 0 | $ - | $ 161,279.73 | 3.870116 | $ 162,159 | 0 | $ - | $ 162,159.48 |
| 276 | 1387.2709 | 1387.520874 | Residential | 5552.046021 | $ 4,030,785 | $ 2,015,393 | 1387.311035 | -0.21 | 1387.310547 | -0.21 | 1387.504761 | -0.02 | 1387.318115 | -0.20 | 3.16 | $ 127,320 | 0.00 | $ - | $ 127,320.10 | 3.19 | $ 128,540 | 0.00 | $ - | $ 128,540.30 |
| 277 | 1367.6104 | 1367.860352 | Residential | 7009.434998 | $ 5,088,850 | $ 2,544,425 | 1367.910522 | 0.05 | 1367.907593 | 0.05 | 1367.91394 | 0.05 | 1367.91394 | 0.05 | 5.42 | $ 275,675 | 1.98 | $ 50,484 | $ 326,159.19 | 5.61 | $ 285,364 | 2.25 | $ 57,267 | $ 342,631.65 |
| 278 | 1363.4945 | 1363.744507 | Residential | 853.24762 | $ 619,458 | $ 309,729 | 1363.821899 | 0.08 | 1363.81604 | 0.07 | 1363.901367 | 0.16 | 1363.778931 | 0.03 | 6.14599 | $ 38,072 | 3.004386 | $ 9,305 | $ 47,377.26 | 5.03272 | $ 31,176 | 1.445808 | $ 4,478 | $ 35,653.66 |
| 279 | 1350.0875 | 1350.337524 | Residential | 10697.2514 | $ 7,766,205 | $ 3,883,102 | 1350.165649 | -0.17 | 1350.170044 | -0.17 | 1350.167847 | -0.17 | 1350.167847 | -0.17 | 3.33008 | $ 258,621 | 0.00 | $ - | $ 258,620.82 | 3.321292 | $ 257,938 | 0.00 | $ - | $ 257,938.33 |
| 280 | 1376.0103 | 1376.260254 | Residential | 5828.388794 | $ 4,231,410 | $ 2,115,705 | 1376.113281 | -0.15 | 1376.110474 | -0.15 | 1376.322021 | 0.06 | 1376.210327 | -0.05 | 3.40088 | $ 143,905 | 0 | $ - | $ 143,905.19 | 3.800292 | $ 160,806 | 0 | $ - | $ 160,805.95 |
| 281 | 1363.2751 | 1363.525146 | Residential | 4981.87793 | $ 3,616,843 | $ 1,808,422 | 1363.585938 | 0.06 | 1363.589966 | 0.06 | 1363.587646 | 0.06 | 1363.587646 | 0.06 | 5.94 | $ 215,007 | 2.72 | $ 49,233 | $ 264,240.07 | 5.88 | $ 212,490 | 2.63 | $ 47,471 | $ 259,960.62 |
| 282 | 1364.8573 | 1365.1073 | Residential | 5441.521606 | $ 3,950,545 | $ 1,975,272 | 1364.873047 | -0.23 | 1364.869995 | -0.24 | 1365.18335 | 0.08 | 1365.019409 | -0.09 | 3.05 | $ 120,522 | 0.00 | $ - | $ 120,522.43 | 3.65 | $ 144,133 | 0.00 | $ - | $ 144,133.09 |
| 283 | 1354.2184 | 1354.468384 | Residential | 8289.320374 | $ 6,018,047 | $ 3,009,023 | 1354.248779 | -0.22 | 1354.25 | -0.22 | 1354.251343 | -0.22 | 1354.251343 | -0.22 | 3.126464 | $ 188,152 | 0 | $ - | $ 188,152.06 | 3.131836 | $ 188,475 | 0 | $ - | $ 188,475.35 |
| 284 | 1372.8903 | 1373.140259 | Residential | 8222.430359 | $ 5,969,484 | $ 2,984,742 | 1373.056763 | -0.08 | 1373.060059 | -0.08 | 1373.05896 | -0.08 | 1373.05896 | -0.08 | 3.6792 | $ 219,629 | 0.00 | $ - | $ 219,629.27 | 3.674804 | $ 219,367 | 0.00 | $ - | $ 219,366.85 |
| 285 | 1378.4001 | 1378.650146 | Residential | 676.52594 | $ 491,158 | $ 245,579 | 1378.46167 | -0.19 | 1378.463745 | -0.19 | 1378.816895 | 0.17 | 1378.637695 | -0.01 | 3.254396 | $ 15,984 | 0.00 | $ - | $ 15,984.22 | 3.950196 | $ 19,402 | 0.00 | $ - | $ 19,401.70 |
| 286 | 1368.6187 | 1368.868652 | Residential | 5465.292114 | $ 3,967,802 | $ 1,983,901 | 1368.747925 | -0.12 | 1368.75 | -0.12 | 1368.750244 | -0.12 | 1368.750244 | -0.12 | 3.525392 | $ 139,881 | 0.00 | $ - | $ 139,880.58 | 3.526368 | $ 139,919 | 0.00 | $ - | $ 139,919.30 |
| 287 | 1367.5726 | 1367.822632 | Residential | 1352.527161 | $ 981,935 | $ 490,967 | 1367.605469 | -0.22 | 1367.606201 | -0.22 | 1367.737671 | -0.08 | 1367.611938 | -0.21 | 3.134276 | $ 30,777 | 0.00 | $ - | $ 30,776.54 | 3.157224 | $ 31,002 | 0.00 | $ - | $ 31,001.88 |
| 288 | 1374.5093 | 1374.759277 | Residential | 7223.822937 | $ 5,244,495 | $ 2,622,248 | 1374.658447 | -0.10 | 1374.660034 | -0.10 | 1374.661987 | -0.10 | 1374.661987 | -0.10 | 3.603028 | $ 188,961 | 0.00 | $ - | $ 188,960.64 | 3.61084 | $ 189,370 | 0.00 | $ - | $ 189,370.34 |
| 289 | 1374.952 | 1375.202026 | Residential | 5736.555786 | $ 4,164,740 | $ 2,082,370 | 1375.108032 | -0.09 | 1375.109985 | -0.09 | 1375.367554 | 0.17 | 1375.110474 | -0.09 | 3.631836 | $ 151,257 | 0.00 | $ - | $ 151,256.51 | 3.633792 | $ 151,338 | 0.00 | $ - | $ 151,337.97 |
| 290 | 1384.7537 | 1385.003662 | Residential | 5160.67395 | $ 3,746,649 | $ 1,873,325 | 1384.845093 | -0.16 | 1384.845825 | -0.16 | 1384.84729 | -0.16 | 1384.84729 | -0.16 | 3.368652 | $ 126,212 | 0.00 | $ - | $ 126,211.58 | 3.374512 | $ 126,431 | 0.00 | $ - | $ 126,431.13 |
| 291 | 1384.5807 | 1384.830688 | Residential | 5555.55072 | $ 4,033,330 | $ 2,016,665 | 1384.603516 | -0.23 | 1384.602539 | -0.23 | 1384.821777 | -0.01 | 1384.624878 | -0.21 | 3.087404 | $ 124,525 | 0.00 | $ - | $ 124,525.19 | 3.17676 | $ 128,129 | 0.00 | $ - | $ 128,129.21 |
| 292 | 1350.9303 | 1351.180298 | Residential | 1578.312317 | $ 1,145,855 | $ 572,927 | 1350.985352 | -0.19 | 1350.98999 | -0.19 | 1350.987427 | -0.19 | 1350.987305 | -0.19 | 3.238768 | $ 37,112 | 0 | $ - | $ 37,111.58 | 3.228028 | $ 36,989 | 0 | $ - | $ 36,988.51 |
| 293 | 1367.7457 | 1367.995728 | Residential | 11956.06262 | $ 8,680,101 | $ 4,340,051 | 1367.846802 | -0.15 | 1367.847534 | -0.15 | 1368.100586 | 0.10 | 1368.070801 | 0.08 | 3.407224 | $ 295,751 | 0 | $ - | $ 295,750.50 | 6.25219 | $ 542,696 | 3.153066 | $ 136,845 | $ 679,541.10 |
| 294 | 1352.0001 | 1352.250122 | Residential | 344.753784 | $ 250,291 | $ 125,146 | 1352.016235 | -0.23 | 1352.016724 | -0.23 | 1352.041626 | -0.21 | 1352.020752 | -0.23 | 3.066408 | $ 7,675 | 0 | $ - | $ 7,674.95 | 3.08252 | $ 7,715 | 0 | $ - | $ 7,715.28 |
| 295 | 1368.4915 | 1368.741455 | Residential | 7669.678345 | $ 5,568,186 | $ 2,784,093 | 1368.560059 | -0.18 | 1368.560059 | -0.18 | 1368.562866 | -0.18 | 1368.562988 | -0.18 | 3.274416 | $ 182,326 | 0 | $ - | $ 182,325.59 | 3.286132 | $ 182,978 | 0 | $ - | $ 182,977.96 |
| 296 | 1366.8972 | 1367.147217 | Residential | 9063.669006 | $ 6,580,224 | $ 3,290,112 | 1367.174805 | 0.03 | 1367.174316 | 0.03 | 1367.441162 | 0.29 | 1367.081421 | -0.07 | 4.81297 | $ 316,704 | 1.138158 | $ 37,447 | $ 354,150.86 | 3.736816 | $ 245,891 | 0 | $ - | $ 245,890.85 |
| 297 | 1367.4869 | 1367.736938 | Residential | 8579.124695 | $ 6,228,445 | $ 3,114,222 | 1367.578857 | -0.16 | 1367.579956 | -0.16 | 1367.581543 | -0.16 | 1367.581543 | -0.16 | 3.372072 | $ 210,028 | 0 | $ - | $ 210,027.63 | 3.37842 | $ 210,423 | 0 | $ - | $ 210,423.02 |
| 298 | 1355.2068 | 1355.456787 | Residential | 9155.569641 | $ 6,646,944 | $ 3,323,472 | 1355.265381 | -0.19 | 1355.27002 | -0.19 | 1355.2677 | -0.19 | 1355.2677 | -0.19 | 3.252932 | $ 216,221 | 0 | $ - | $ 216,220.55 | 3.243652 | $ 215,604 | 0 | $ - | $ 215,603.72 |
| 299 | 1364.124 | 1364.374023 | Residential | 4618.256714 | $ 3,352,854 | $ 1,676,427 | 1364.23877 | -0.14 | 1364.23999 | -0.13 | 1364.339722 | -0.03 | 1364.241455 | -0.13 | 3.463868 | $ 116,138 | 0 | $ - | $ 116,138.45 | 3.469728 | $ 116,335 | 0 | $ - | $ 116,334.93 |
| 300 | 1376.0048 | 1376.254761 | Residential | 4963.528931 | $ 3,603,522 | $ 1,801,761 | 1376.107666 | -0.15 | 1376.109985 | -0.14 | 1376.109985 | -0.14 | 1376.109985 | -0.14 | 3.420896 | $ 123,273 | 0 | $ - | $ 123,272.74 | 3.420896 | $ 123,273 | 0 | $ - | $ 123,272.74 |
| 301 | 1379.886 | 1380.135986 | Residential | 7881.984436 | $ 5,722,321 | $ 2,861,160 | 1380.047241 | -0.09 | 1380.050049 | -0.09 | 1380.049561 | -0.09 | 1380.049561 | -0.09 | 3.656252 | $ 209,222 | 0 | $ - | $ 209,222.47 | 3.6543 | $ 209,111 | 0 | $ - | $ 209,110.77 |
| 302 | 1368.6685 | 1368.918457 | Residential | 5292.979675 | $ 3,842,703 | $ 1,921,352 | 1368.994873 | 0.08 | 1368.991821 | 0.07 | 1369.317749 | 0.40 | 1368.893799 | -0.02 | 6.20092 | $ 238,283 | 3.081288 | $ 59,202 | $ 297,485.33 | 3.901368 | $ 149,918 | 0 | $ - | $ 149,917.99 |
| 303 | 1367.4 | 1367.650024 | Residential | 424.157715 | $ 307,939 | $ 153,969 | 1367.44519 | -0.20 | 1367.449951 | -0.20 | 1367.513428 | -0.14 | 1367.51355 | -0.14 | 3.199708 | $ 9,853 | 0 | $ - | $ 9,853.13 | 3.454104 | $ 10,637 | 0 | $ - | $ 10,636.52 |
| 304 | 1378.8812 | 1379.131226 | Residential | 5535.167419 | $ 4,018,532 | $ 2,009,266 | 1378.9552 | -0.18 | 1378.953247 | -0.18 | 1378.95813 | -0.17 | 1378.95813 | -0.17 | 3.288084 | $ 132,133 | 0 | $ - | $ 132,132.69 | 3.307616 | $ 132,918 | 0 | $ - | $ 132,917.59 |
| 305 | 1366.5336 | 1366.783569 | Residential | 3380.404663 | $ 2,454,174 | $ 1,227,087 | 1367.192749 | 0.41 | 1367.193726 | 0.41 | 1367.414429 | 0.63 | 1367.108154 | 0.32 | 16.30471 | $ 400,146 | 17.226594 | $ 211,385 | $ 611,531.20 | 13.73755 | $ 337,143 | 13.63257 | $ 167,283 | $ 504,426.83 |
| 306 | 1380.2086 | 1380.458618 | Residential | 15858.52405 | $ 11,513,288 | $ 5,756,644 | 1380.320923 | -0.14 | 1380.319946 | -0.14 | 1380.324341 | -0.13 | 1380.324341 | -0.13 | 3.445312 | $ 396,669 | 0 | $ - | $ 396,668.71 | 3.462892 | $ 398,693 | 0 | $ - | $ 398,692.74 |
| 307 | 1371.6975 | 1371.94751 | Residential | 5749.80481 | $ 4,174,358 | $ 2,087,179 | 1371.821777 | -0.13 | 1371.821655 | -0.13 | 1371.824951 | -0.12 | 1371.824829 | -0.12 | 3.49658 | $ 145,960 | 0 | $ - | $ 145,959.78 | 3.509276 | $ 146,490 | 0 | $ - | $ 146,489.75 |
| 308 | 1377.5427 | 1377.792725 | Residential | 13799.37878 | $ 10,018,349 | $ 5,009,174 | 1377.736206 | -0.06 | 1377.73999 | -0.05 | 1377.738037 | -0.05 | 1377.738037 | -0.05 | 3.78906 | $ 379,601 | 0 | $ - | $ 379,601.25 | 3.781248 | $ 378,819 | 0 | $ - | $ 378,818.62 |
| 309 | 1377.3077 | 1377.557739 | Residential | 1204.42157 | $ 874,410 | $ 437,205 | 1377.368042 | -0.19 | 1377.364624 | -0.19 | 1377.489746 | -0.07 | 1377.643188 | 0.09 | 3.22754 | $ 28,222 | 0 | $ - | $ 28,221.93 | 6.56347 | $ 57,392 | 3.588858 | $ 15,691 | $ 73,082.31 |
| 310 | 1370.2943 | 1370.544312 | Residential | 1040.882263 | $ 755,681 | $ 377,840 | 1370.353149 | -0.19 | 1370.353394 | -0.19 | 1370.484985 | -0.06 | 1370.348022 | -0.20 | 3.236328 | $ 24,456 | 0 | $ - | $ 24,456.30 | 3.21484 | $ 24,294 | 0 | $ - | $ 24,293.92 |
| 311 | 1365.8914 | 1366.141357 | Residential | 4740.45105 | $ 3,441,567 | $ 1,720,784 | 1366.033447 | -0.11 | 1366.035645 | -0.11 | 1366.249756 | 0.11 | 1365.988525 | -0.15 | 3.577152 | $ 123,110 | 0 | $ - | $ 123,110.10 | 3.388672 | $ 116,623 | 0 | $ - | $ 116,623.43 |
| 312 | 1381.6313 | 1381.881348 | Residential | 5565.741516 | $ 4,040,728 | $ 2,020,364 | 1381.801147 | -0.08 | 1381.799072 | -0.08 | 1381.812256 | -0.07 | 1381.812378 | -0.07 | 3.670896 | $ 148,331 | 0 | $ - | $ 148,330.94 | 3.72412 | $ 150,482 | 0 | $ - | $ 150,481.57 |
| 313 | 1357.6017 | 1357.851685 | Residential | 4709.370728 | $ 3,419,003 | $ 1,709,502 | 1357.810669 | -0.04 | 1357.810059 | -0.04 | 1358.27124 | 0.42 | 1358.062866 | 0.21 | 3.833496 | $ 131,067 | 0 | $ - | $ 131,067.35 | 10.33543 | $ 353,369 | 8.869602 | $ 151,626 | $ 504,994.66 |
| 314 | 1381.8502 | 1382.10022 | Residential | 5632.723511 | $ 4,089,357 | $ 2,044,679 | 1381.916626 | -0.18 | 1381.911987 | -0.19 | 1381.931274 | -0.17 | 1381.931152 | -0.17 | 3.247068 | $ 132,784 | 0 | $ - | $ 132,784.21 | 3.323728 | $ 135,919 | 0 | $ - | $ 135,919.11 |
| 315 | 1384.3489 | 1384.598877 | Residential | 328.131775 | $ 238,224 | $ 119,112 | 1384.548584 | -0.05 | 1384.546143 | -0.05 | 1384.72168 | 0.12 | 1384.906738 | 0.31 | 3.789064 | $ 9,026 | 0 | $ - | $ 9,026.45 | 13.23583 | $ 31,531 | 12.930162 | $ 15,401 | $ 46,932.23 |

## 10-Year and 100-Year Proposed Building Damages in Area K

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 316 | 1361.4711 | 1361.721069 | Residential | 8114.740051 | $ 5,891,301 | $ 2,945,651 | 1361.568604 | -0.15 | 1361.569946 | -0.15 | 1361.571045 | -0.15 | 1361.571045 | -0.15 | 3.395508 | $ 200,040 | 0 | $ - | $ 200,039.61 | 3.399904 | $ 200,299 | 0 | $ - | $ 200,298.59 |
| 317 | 1360.3242 | 1360.574219 | Residential | 3291.969604 | $ 2,389,970 | $ 1,194,985 | 1360.664551 | 0.09 | 1360.660034 | 0.09 | 1360.869141 | 0.29 | 1360.613525 | 0.04 | 6.57445 | $ 157,127 | 3.60423 | $ 43,070 | $ 200,197.38 | 5.17918 | $ 123,781 | 1.650852 | $ 19,727 | $ 143,508.28 |
| 318 | 1360.4828 | 1360.732788 | Residential | 7044.700256 | $ 5,114,452 | $ 2,557,226 | 1360.483276 | -0.25 | 1360.4823 | -0.25 | 1360.608276 | -0.12 | 1360.561768 | -0.17 | 2.998048 | $ 153,334 | 0 | $ - | $ 153,333.74 | 3.31592 | $ 169,591 | 0 | $ - | $ 169,591.15 |
| 319 | 1375.0812 | 1375.331177 | Residential | 7783.893127 | $ 5,651,106 | $ 2,825,553 | 1375.328735 | 0.00 | 1375.329956 | 0.00 | 1375.860107 | 0.53 | 1375.114136 | -0.22 | 3.995116 | $ 225,768 | 0 | $ - | $ 225,768.26 | 3.131836 | $ 176,983 | 0 | $ - | $ 176,983.38 |
| 320 | 1353.952 | 1354.202026 | Residential | 5427.761719 | $ 3,940,555 | $ 1,970,278 | 1354.112427 | -0.09 | 1354.115601 | -0.09 | 1354.115967 | -0.09 | 1354.114624 | -0.09 | 3.6543 | $ 144,000 | 0 | $ - | $ 143,999.70 | 3.650392 | $ 143,846 | 0 | $ - | $ 143,845.70 |
| 321 | 1366.7892 | 1367.039185 | Residential | 5971.685242 | $ 4,335,443 | $ 2,167,722 | 1366.812988 | -0.23 | 1366.810303 | -0.23 | 1367.24707 | 0.21 | 1366.943237 | -0.10 | 3.084472 | $ 133,726 | 0 | $ - | $ 133,725.54 | 3.616208 | $ 156,779 | 0 | $ - | $ 156,778.65 |
| 322 | 1378.1312 | 1378.381226 | Residential | 5963.877625 | $ 4,329,775 | $ 2,164,888 | 1378.215454 | -0.17 | 1378.214478 | -0.17 | 1378.220703 | -0.16 | 1378.220703 | -0.16 | 3.333008 | $ 144,312 | 0 | $ - | $ 144,311.75 | 3.357908 | $ 145,390 | 0 | $ - | $ 145,389.87 |
| 323 | 1370.1912 | 1370.441162 | Residential | 5864.994141 | $ 4,257,986 | $ 2,128,993 | 1370.313354 | -0.13 | 1370.310059 | -0.13 | 1370.500488 | 0.06 | 1370.292603 | -0.15 | 3.475588 | $ 147,990 | 0 | $ - | $ 147,990.04 | 3.405764 | $ 145,017 | 0 | $ - | $ 145,016.95 |
| 324 | 1364.6116 | 1364.861572 | Residential | 8787.81427 | $ 6,379,953 | $ 3,189,977 | 1364.679688 | -0.18 | 1364.684204 | -0.18 | 1364.681763 | -0.18 | 1364.681885 | -0.18 | 3.290528 | $ 209,934 | 0 | $ - | $ 209,934.15 | 3.281252 | $ 209,342 | 0 | $ - | $ 209,342.34 |
| 325 | 1367.1274 | 1367.377441 | Residential | 862.57312 | $ 626,228 | $ 313,114 | 1367.134888 | -0.24 | 1367.135864 | -0.24 | 1367.141968 | -0.24 | 1367.141968 | -0.24 | 3.033692 | $ 18,998 | 0 | $ - | $ 18,997.83 | 3.058108 | $ 19,151 | 0 | $ - | $ 19,150.73 |
| 326 | 1360.1703 | 1360.420288 | Residential | 6272.609619 | $ 4,553,915 | $ 2,276,957 | 1360.312744 | -0.11 | 1360.310059 | -0.11 | 1360.492432 | 0.07 | 1360.253784 | -0.17 | 3.559084 | $ 162,078 | 0 | $ - | $ 162,077.65 | 3.333984 | $ 151,827 | 0 | $ - | $ 151,826.78 |
| 327 | 1359.764 | 1360.014038 | Residential | 440.797302 | $ 320,019 | $ 160,009 | 1359.788696 | -0.23 | 1359.787354 | | 1359.799072 | -0.21 | 1359.799072 | -0.21 | | | | | $ 51,009,466.04 | | | | | $ 60,716,150.04 |

## 10-Year and 100-Year Existing Building Damages in Area A

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 198 | 1331.10 | 1331.35 | Residential | 7479.12 | $ 5,429,839 | $ 2,714,920 | 1331.08 | -0.27 | 1331.08 | -0.27 | 1331.18 | -0.17 | 1331.18 | -0.17 | 2.92724608 | $ 158,945 | 0 | $ - | $ 158,944.76 | 3.31542968 | $ 180,023 | 0 | $ - | $ 180,022.50 |
| 528 | 1335.72 | 1335.97 | Residential | 10191.57 | $ 7,399,081 | $ 3,699,541 | 1335.76 | -0.21 | 1335.76 | -0.21 | 1335.81 | -0.16 | 1335.81 | -0.16 | 3.16845704 | $ 234,437 | 0 | $ - | $ 234,436.70 | 3.36865236 | $ 249,249 | 0 | $ - | $ 249,249.32 |
| 121 | 1525.48 | 1525.73 | Residential | 406.99 | $ 295,472 | $ 147,736 | 0.00 | -1.00 | 0.00 | -1.00 | 1166.47 | -1.00 | 1166.47 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 538 | 1327.24 | 1327.49 | Residential | 2669.28 | $ 1,937,899 | $ 968,950 | 1327.36 | -0.14 | 1327.19 | -0.30 | 1328.06 | 0.57 | 1327.66 | 0.16 | 3.45 | $ 66,842 | 0.00 | $ - | $ 66,842.38 | 21.07 | $ 408,369 | 23.90 | $ 231,597 | $ 639,965.63 |
| 470 | 1333.16 | 1333.41 | Residential | 1558.25 | $ 1,131,291 | $ 565,645 | 974.14 | -1.00 | 974.13 | -1.00 | 1333.04 | -0.37 | 1333.04 | -0.37 | 0 | $ - | 0 | $ - | $ - | 2.50341796 | $ 28,321 | 0 | $ - | $ 28,320.94 |
| 262 | 1340.41 | 1340.66 | Residential | 8866.52 | $ 6,437,090 | $ 3,218,545 | 1340.38 | -0.28 | 1340.38 | -0.28 | 1340.47 | -0.19 | 1340.46 | -0.20 | 2.88 | $ 185,255 | 0.00 | $ - | $ 185,254.93 | 3.24 | $ 208,703 | 0.00 | $ - | $ 208,702.53 |
| 61 | 1333.57 | 1333.82 | Residential | 2138.95 | $ 1,552,880 | $ 776,440 | 1279.33 | -1.00 | 1279.30 | -1.00 | 1334.09 | 0.27 | 1334.06 | 0.24 | 0.00 | $ - | 0.00 | $ - | $ - | 12.20 | $ 189,443 | 11.48 | $ 89,129 | $ 278,572.45 |
| 51 | 1341.97 | 1342.22 | Residential | 8818.57 | $ 6,402,284 | $ 3,201,142 | 1342.64 | 0.42 | 1342.58 | 0.36 | 1343.07 | 0.84 | 1343.04 | 0.82 | 16.58 | $ 1,061,691 | 17.62 | $ 563,920 | $ 1,625,611.33 | 29.25 | $ 1,872,684 | 35.35 | $ 1,131,615 | $ 3,004,298.58 |
| 59 | 1343.56 | 1343.81 | Residential | 1029.42 | $ 747,360 | $ 373,680 | 1344.22 | 0.41 | 1344.05 | 0.24 | 1344.65 | 0.84 | 1344.54 | 0.73 | 16.35 | $ 122,211 | 17.29 | $ 64,621 | $ 186,831.80 | 29.15 | $ 217,838 | 35.21 | $ 131,561 | $ 349,399.02 |
| 274 | 1339.51 | 1339.76 | Residential | 2963.81 | $ 2,151,726 | $ 1,075,863 | 1340.25 | 0.49 | 1340.19 | 0.43 | 1340.72 | 0.96 | 1340.68 | 0.92 | 18.73 | $ 403,076 | 20.63 | $ 221,905 | $ 624,980.34 | 32.95 | $ 708,893 | 40.52 | $ 435,977 | $ 1,144,869.66 |
| 195 | 1331.08 | 1331.33 | Residential | 5775.30 | $ 4,192,867 | $ 2,096,433 | 1048.47 | -1.00 | 1048.48 | -1.00 | 1331.17 | -0.16 | 1331.19 | -0.16 | 0 | $ - | 0 | $ - | $ - | 3.35888672 | $ 140,834 | 0 | $ - | $ 140,833.64 |
| 537 | 1317.88 | 1318.13 | Residential | 11429.48 | $ 8,297,801 | $ 4,148,901 | 871.71 | -1.00 | 871.70 | -1.00 | 1317.76 | -0.37 | 1317.74 | -0.39 | 0.00 | $ - | 0.00 | $ - | $ - | 2.51 | $ 207,931 | 0.00 | $ - | $ 207,931.23 |
| 360 | 1323.97 | 1324.22 | Residential | 1063.36 | $ 772,000 | $ 386,000 | 1324.61 | 0.38 | 1324.58 | 0.36 | 1324.89 | 0.66 | 1324.88 | 0.66 | 15.55 | $ 120,020 | 16.17 | $ 62,398 | $ 182,417.93 | 23.91 | $ 184,620 | 27.88 | $ 107,618 | $ 292,238.49 |
| 338 | 1320.98 | 1321.23 | Residential | 3049.31 | $ 2,213,799 | $ 1,106,900 | 787.52 | -1.00 | 787.51 | -1.00 | 787.54 | -1.00 | 787.53 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 60 | 1333.08 | 1333.33 | Residential | 7401.44 | $ 5,373,442 | $ 2,686,721 | 289.24 | -1.00 | 289.23 | -1.00 | 289.27 | -1.00 | 289.26 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 413 | 1455.19 | 1455.44 | Residential | 9053.91 | $ 6,573,135 | $ 3,286,568 | 0.00 | -1.00 | 0.00 | -1.00 | 736.98 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 158 | 1332.06 | 1332.31 | Residential | 13840.34 | $ 10,048,089 | $ 5,024,045 | 1332.44 | 0.13 | 1332.44 | 0.13 | 1332.62 | 0.31 | 1332.63 | 0.31 | 7.8122557 | $ 784,982 | 5.33715798 | $ 268,141 | $ 1,053,123.61 | 13.2907714 | $ 1,335,469 | 13.00707996 | $ 653,481 | $ 1,988,950.04 |
| 238 | 1335.27 | 1335.52 | Residential | 6338.22 | $ 4,601,549 | $ 2,300,774 | 100.03 | -1.00 | 100.03 | -1.00 | 1335.16 | -0.36 | 1335.16 | -0.36 | 0 | $ - | 0 | $ - | $ - | 2.5493164 | $ 117,308 | 0 | $ - | $ 117,308.03 |
| 349 | 1324.98 | 1325.23 | Residential | 7393.78 | $ 5,367,884 | $ 2,683,942 | 673.55 | -1.00 | 673.54 | -1.00 | 783.59 | -1.00 | 783.57 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 27 | 1316.52 | 1316.77 | Residential | 7472.12 | $ 5,424,758 | $ 2,712,379 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 405 | 1326.51 | 1326.76 | Residential | 1009.50 | $ 732,896 | $ 366,448 | 355.52 | -1.00 | 355.52 | -1.00 | 355.55 | -1.00 | 355.55 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 141 | 1342.43 | 1342.68 | Residential | 7243.14 | $ 5,258,522 | $ 2,629,261 | 874.65 | -1.00 | 874.65 | -1.00 | 874.66 | -1.00 | 874.67 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 146 | 1338.37 | 1338.62 | Residential | 15504.94 | $ 11,256,588 | $ 5,628,294 | 1338.87 | 0.25 | 1338.88 | 0.25 | 1339.19 | 0.57 | 1339.21 | 0.57 | 11.573242 | $ 1,302,752 | 10.6025388 | $ 596,742 | $ 1,899,494.18 | 21.244873 | $ 2,391,448 | 24.1428222 | $ 1,358,829 | $ 3,750,276.74 |
| 72 | 1351.63 | 1351.88 | Residential | 11007.51 | $ 7,991,454 | $ 3,995,727 | 1351.32 | -0.57 | 1351.32 | -0.57 | 1351.37 | -0.51 | 1351.37 | -0.51 | 1.73632812 | $ 138,758 | 0 | $ - | $ 138,757.86 | 1.953125 | $ 156,083 | 0 | $ - | $ 156,083.08 |
| 254 | 1345.68 | 1345.93 | Residential | 1895.39 | $ 1,376,051 | $ 688,025 | 0.00 | -1.00 | 0.00 | -1.00 | 753.45 | -1.00 | 753.45 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 565 | 1332.50 | 1332.75 | Residential | 6624.03 | $ 4,809,043 | $ 2,404,522 | 1332.28 | -0.47 | 1332.28 | -0.47 | 1332.63 | -0.13 | 1332.33 | -0.43 | 2.11 | $ 101,511 | 0.00 | $ - | $ 101,511.20 | 3.49 | $ 167,847 | 0.00 | $ - | $ 167,846.88 |
| 169 | 1332.68 | 1332.93 | Residential | 10483.42 | $ 7,610,964 | $ 3,805,482 | 518.50 | -1.00 | 518.50 | -1.00 | 1332.76 | -0.17 | 1332.76 | -0.17 | 0 | $ - | 0 | $ - | $ - | 3.3017578 | $ 251,296 | 0 | $ - | $ 251,295.59 |
| 286 | 1349.36 | 1349.61 | Residential | 7943.75 | $ 5,767,160 | $ 2,883,580 | 1349.40 | -0.20 | 1349.40 | -0.20 | 1349.42 | -0.18 | 1349.42 | -0.18 | 3.19 | $ 184,194 | 0.00 | $ - | $ 184,194.30 | 3.26 | $ 188,277 | 0.00 | $ - | $ 188,277.49 |
| 373 | 1322.46 | 1322.71 | Residential | 7149.90 | $ 5,190,828 | $ 2,595,414 | 1322.63 | -0.08 | 1322.58 | -0.13 | 1322.97 | 0.26 | 1322.96 | 0.25 | 3.66 | $ 190,018 | 0.00 | $ - | $ 190,017.78 | 11.69 | $ 607,020 | 10.77 | $ 279,571 | $ 886,591.20 |
| 400 | 1328.18 | 1328.43 | Residential | 9066.93 | $ 6,582,588 | $ 3,291,294 | 568.20 | -1.00 | 568.20 | -1.00 | 568.33 | -1.00 | 568.33 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 280 | 1330.76 | 1331.01 | Residential | 4647.57 | $ 3,374,137 | $ 1,687,068 | 1330.98 | -0.03 | 1330.95 | -0.06 | 1331.20 | 0.20 | 1331.19 | 0.18 | 3.90 | $ 131,489 | 0.00 | $ - | $ 131,489.18 | 9.89 | $ 333,781 | 8.25 | $ 139,171 | $ 472,951.63 |
| 144 | 1336.17 | 1336.42 | Residential | 7180.50 | $ 5,213,041 | $ 2,606,520 | 1336.51 | 0.08 | 1336.51 | 0.08 | 1336.72 | 0.30 | 1336.73 | 0.30 | 6.4060057 | $ 333,948 | 3.36840798 | $ 87,798 | $ 421,745.92 | 12.9831541 | $ 676,817 | 12.57641574 | $ 327,807 | $ 1,004,623.93 |
| 525 | 1326.25 | 1326.50 | Residential | 19943.97 | $ 14,479,323 | $ 7,239,662 | 1165.30 | -1.00 | 1165.29 | -1.00 | 1326.23 | -0.27 | 1326.02 | -0.48 | 0.00 | $ - | 0.00 | $ - | $ - | 2.94 | $ 425,472 | 0.00 | $ - | $ 425,471.51 |
| 404 | 1322.82 | 1323.07 | Residential | 5577.85 | $ 4,049,522 | $ 2,024,761 | 1322.62 | -0.45 | 1322.60 | -0.47 | 1322.96 | -0.11 | 1322.95 | -0.11 | 2.21 | $ 89,493 | 0.00 | $ - | $ 89,492.85 | 3.57 | $ 144,442 | 0.00 | $ - | $ 144,442.18 |
| 89 | 1369.74 | 1369.99 | Residential | 10864.86 | $ 7,887,890 | $ 3,943,945 | 736.76 | -1.00 | 736.75 | -1.00 | 736.78 | -1.00 | 736.77 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 555 | 1330.05 | 1330.30 | Residential | 6177.14 | $ 4,484,601 | $ 2,242,300 | 690.87 | -1.00 | 690.63 | -1.00 | 1329.38 | -0.92 | 690.95 | -1.00 | 0.00 | $ - | 0.00 | $ - | $ - | 0.34 | $ 15,197 | 0.00 | $ - | $ 15,196.84 |
| 328 | 1382.11 | 1382.36 | Residential | 5083.66 | $ 3,690,738 | $ 1,845,369 | 0.00 | -1.00 | 0.00 | -1.00 | 1062.62 | -1.00 | 1062.61 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 544 | 1317.89 | 1318.14 | Residential | 1064.51 | $ 772,835 | $ 386,417 | 0.00 | -1.00 | 0.00 | -1.00 | 863.13 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 269 | 1343.78 | 1344.03 | Residential | 1292.67 | $ 938,479 | $ 469,239 | 766.99 | -1.00 | 0.00 | -1.00 | 767.16 | -1.00 | 767.11 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 163 | 1341.77 | 1342.02 | Residential | 767.27 | $ 557,041 | $ 278,521 | 0.00 | -1.00 | 0.00 | -1.00 | 900.61 | -1.00 | 900.61 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 551 | 1327.07 | 1327.32 | Residential | 11720.01 | $ 8,508,728 | $ 4,254,364 | 1326.26 | -1.00 | 915.96 | -1.00 | 1326.52 | -0.80 | 1326.34 | -0.98 | 0.00 | $ - | 0.00 | $ - | $ - | 0.79 | $ 67,139 | 0.00 | $ - | $ 67,139.18 |
| 271 | 1331.69 | 1331.94 | Residential | 3774.99 | $ 2,740,645 | $ 1,370,322 | 1331.91 | -0.04 | 1331.90 | -0.04 | 1332.06 | 0.12 | 1332.04 | 0.10 | 3.86 | $ 105,718 | 0.00 | $ - | $ 105,718.24 | 7.61 | $ 208,486 | 5.05 | $ 69,202 | $ 277,687.68 |
| 385 | 1323.06 | 1323.31 | Residential | 6452.90 | $ 4,684,808 | $ 2,342,404 | 1322.62 | -0.69 | 1322.57 | -0.74 | 1322.96 | -0.35 | 1322.95 | -0.36 | 1.24 | $ 58,080 | 0.00 | $ - | $ 58,079.72 | 2.59 | $ 121,306 | 0.00 | $ - | $ 121,306.32 |
| 460 | 1321.03 | 1321.28 | Residential | 1265.95 | $ 919,080 | $ 459,540 | 0.00 | -1.00 | 0.00 | -1.00 | 1321.13 | -0.15 | 1321.13 | -0.15 | 0 | $ - | 0 | $ - | $ - | 3.3857422 | $ 31,118 | 0 | $ - | $ 31,117.69 |
| 524 | 1332.22 | 1332.47 | Residential | 10676.48 | $ 7,751,124 | $ 3,875,562 | 1332.37 | -0.10 | 1332.37 | -0.10 | 1332.55 | 0.08 | 1332.56 | 0.08 | 3.58349612 | $ 277,761 | 0 | $ - | $ 277,761.24 | 6.5341798 | $ 506,472 | 3.54785172 | $ 137,499 | $ 643,971.60 |
| 307 | 1348.84 | 1349.09 | Residential | 7855.95 | $ 5,703,422 | $ 2,851,711 | 1348.80 | -0.29 | 1348.80 | -0.29 | 1348.82 | -0.27 | 1348.82 | -0.27 | 2.85 | $ 162,581 | 0.00 | $ - | $ 162,580.95 | 2.91 | $ 166,146 | 0.00 | $ - | $ 166,145.59 |
| 346 | 1321.84 | 1322.09 | Residential | 2195.05 | $ 1,593,607 | $ 796,803 | 1273.33 | -1.00 | 1273.33 | -1.00 | 1273.38 | -1.00 | 1273.38 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 120 | 1384.09 | 1384.34 | Residential | 13591.52 | $ 9,867,443 | $ 4,933,721 | 1382.97 | -1.00 | 1383.03 | -1.00 | 1383.41 | -0.93 | 1383.38 | -0.97 | 0.00 | $ - | 0.00 | $ - | $ - | 0.28 | $ 27,319 | 0.00 | $ - | $ 27,318.55 |
| 500 | 1317.50 | 1317.75 | Residential | 1672.89 | $ 1,214,517 | $ 607,259 | 1317.67 | -0.09 | 1317.67 | -0.09 | 1317.79 | 0.04 | 1317.80 | 0.04 | 3.64599608 | $ 44,281 | 0 | $ - | $ 44,281.25 | 5.2158205 | $ 63,347 | 1.7021487 | $ 10,336 | $ 73,683.48 |
| 282 | 1341.63 | 1341.88 | Residential | 8841.63 | $ 6,419,026 | $ 3,209,513 | 0.00 | -1.00 | 0.00 | -1.00 | 770.21 | -1.00 | 770.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 563 | 1331.78 | 1332.03 | Residential | 6237.47 | $ 4,528,402 | $ 2,264,201 | 1332.30 | 0.27 | 1331.80 | -0.23 | 1332.80 | 0.77 | 1332.35 | 0.32 | 12.18 | $ 551,777 | 11.46 | $ 259,449 | $ 811,226.33 | 27.07 | $ 1,225,897 | 32.30 | $ 731,333 | $ 1,957,229.39 |
| 18 | 1309.78 | 1310.03 | Residential | 700.48 | $ 508,551 | $ 254,276 | 1310.13 | 0.10 | 1310.08 | 0.05 | 1310.35 | 0.32 | 1310.31 | 0.28 | 7.05 | $ 35,837 | 4.27 | $ 10,846 | $ 46,683.42 | 13.48 | $ 68,559 | 13.27 | $ 33,752 | $ 102,310.57 |
| 53 | 1338.91 | 1339.16 | Residential | 9128.88 | $ 6,627,566 | $ 3,313,783 | 1339.02 | -0.14 | 1339.02 | -0.14 | 1339.06 | -0.10 | 1339.06 | -0.11 | 3.45 | $ 228,437 | 0.00 | $ - | $ 228,437.43 | 3.58 | $ 237,272 | 0.00 | $ - | $ 237,272.03 |
| 191 | 1331.67 | 1331.92 | Residential | 8250.07 | $ 5,989,549 | $ 2,994,774 | 1331.09 | -0.83 | 1331.09 | -0.83 | 1331.20 | -0.72 | 1331.22 | -0.72 | 0.69970704 | $ 41,909 | 0 | $ - | $ 41,909.29 | 1.12890628 | $ 67,616 | 0 | $ - | $ 67,616.39 |
| 164 | 1344.25 | 1344.50 | Residential | 7496.39 | $ 5,442,379 | $ 2,721,189 | 0.00 | -1.00 | 0.00 | -1.00 | 755.26 | -1.00 | 755.27 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 258 | 1331.78 | 1332.03 | Residential | 8405.13 | $ 6,102,124 | $ 3,051,062 | 1331.51 | -0.52 | 1331.51 | -0.52 | 1331.88 | -0.15 | 1331.80 | -0.23 | 1.92 | $ 116,888 | 0.00 | $ - | $ 116,887.86 | 3.39 | $ 206,960 | 0.00 | $ - | $ 206,959.74 |
| 482 | 1324.13 | 1324.38 | Residential | 4767.85 | $ 3,461,462 | $ 1,730,731 | 1324.29 | -0.09 | 1324.21 | -0.17 | 1324.68 | 0.30 | 1324.66 | 0.28 | 3.65 | $ 126,374 | 0.00 | $ - | $ 126,373.80 | 13.05 | $ 451,689 | 12.67 | $ 219,261 | $ 670,949.87 |
| 112 | 1371.29 | 1371.54 | Residential | 6684.88 | $ 4,853,225 | $ 2,426,612 | 1370.55 | -0.99 | 1370.55 | -0.99 | 1370.82 | -0.72 | 1370.82 | -0.72 | 0.04 | $ 2,109 | 0.00 | $ - | $ 2,109.07 | 1.14 | $ 55,096 | 0.00 | $ - | $ 55,096.42 |
| 540 | 1319.37 | 1319.62 | Residential | 12604.81 | $ 9,151,093 | $ 4,575,547 | 0.00 | -1.00 | 0.00 | -1.00 | 637.48 | -1.00 | 637.40 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 375 | 1325.37 | 1325.62 | Residential | 7943.12 | $ 5,766,706 | $ 2,883,353 | 414.68 | -1.00 | 414.68 | -1.00 | 414.73 | -1.00 | 414.73 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 526 | 1326.54 | 1326.79 | Residential | 723.15 | $ 525,003 | $ 262,502 | 0.00 | -1.00 | 0.00 | -1.00 | 773.77 | -1.00 | 113.99 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 170 | 1342.44 | 1342.69 | Residential | 676.25 | $ 490,958 | $ 245,479 | 978.28 | -1.00 | 978.29 | -1.00 | 1341.92 | -0.76 | 1341.94 | -0.76 | 0 | $ - | 0 | $ - | $ - | 0.9448242 | $ 4,639 | 0 | $ - | $ 4,638.69 |
| 167 | 1346.13 | 1346.38 | Residential | 8580.62 | $ 6,229,533 | $ 3,114,767 | 1346.37 | -0.01 | 1346.37 | -0.01 | 1346.72 | 0.34 | 1346.72 | 0.34 | 3.96 | $ 246,444 | 0.00 | $ - | $ 246,443.74 | 14.31 | $ 891,146 | 14.43 | $ 449,375 | $ 1,340,520.69 |
| 534 | 1329.33 | 1329.58 | Residential | 639.16 | $ 464,030 | $ 232,015 | 0.00 | -1.00 | 0.00 | -1.00 | 32.18 | -1.00 | 32.18 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 3 | 1317.03 | 1317.28 | Residential | 12624.49 | $ 9,165,380 | $ 4,582,690 | 1316.84 | -0.43 | 1316.84 | -0.43 | 1316.87 | -0.41 | 1316.87 | -0.41 | 2.26 | $ 207,340 | 0.00 | $ - | $ 207,339.88 | 2.36 | $ 216,156 | 0.00 | $ - | $ 216,156.18 |
| 129 | 1494.88 | 1495.13 | Residential | 8054.19 | $ 5,847,340 | $ 2,923,670 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 487 | 1329.29 | 1329.54 | Residential | 7301.80 | $ 5,301,110 | $ 2,650,555 | 1328.95 | -0.58 | 1328.95 | -0.58 | 1328.98 | -0.56 | 1328.98 | -0.56 | 1.66 | $ 88,084 | 0.00 | $ - | $ 88,084.36 | 1.75 | $ 93,028 | 0.00 | $ - | $ 93,028.27 |
| 505 | 1334.49 | 1334.74 | Residential | 1851.91 | $ 1,344,488 | $ 672,244 | 801.65 | -1.00 | 801.65 | -1.00 | 801.67 | -1.00 | 801.66 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 299 | 1334.10 | 1334.35 | Residential | 12457.47 | $ 9,044,127 | $ 4,522,063 | 1334.08 | -0.27 | 1334.08 | -0.27 | 1334.36 | 0.01 | 1334.33 | -0.02 | 2.92 | $ 263,684 | 0.00 | $ - | $ 263,683.99 | 4.19 | $ 378,988 | 0.27 | $ 12,056 | $ 391,043.68 |
| 206 | 1330.94 | 1331.19 | Residential | 6811.92 | $ 4,945,451 | $ 2,472,726 | 1331.01 | -0.18 | 1331.01 | -0.18 | 1331.29 | 0.10 | 1331.30 | 0.10 | 3.28271484 | $ 162,345 | 0 | $ - | $ 162,345.06 | 7.0578613 | $ 349,043 | 4.28100582 | $ 105,858 | $ 454,900.63 |
| 443 | 1325.91 | 1326.16 | Residential | 6111.80 | $ 4,437,165 | $ 2,218,582 | 1324.48 | -1.00 | 1324.47 | -1.00 | 1324.59 | -1.00 | 1324.59 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 39 | 1317.80 | 1318.05 | Residential | 5414.14 | $ 3,930,662 | $ 1,965,331 | 1317.89 | -0.16 | 1317.89 | -0.16 | 1317.93 | -0.13 | 1317.93 | -0.13 | 3.37 | $ 132,276 | 0.00 | $ - | $ 132,276.00 | 3.49 | $ 137,304 | 0.00 | $ - | $ 137,304.48 |
| 502 | 1319.37 | 1319.62 | Residential | 2781.41 | $ 2,019,305 | $ 1,009,652 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 111 | 1379.55 | 1379.80 | Residential | 7498.79 | $ 5,444,124 | $ 2,722,062 | 1379.10 | -0.70 | 1379.09 | -0.71 | 1379.30 | -0.50 | 1379.30 | -0.50 | 1.18 | $ 64,250 | 0.00 | $ - | $ 64,250.23 | 2.01 | $ 109,680 | 0.00 | $ - | $ 109,679.95 |
| 438 | 1340.20 | 1340.45 | Residential | 6215.27 | $ 4,512,285 | $ 2,256,142 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 1340.16 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 333 | 1324.71 | 1324.96 | Residential | 1601.10 | $ 1,162,399 | $ 581,200 | 1324.96 | 0.00 | 1324.89 | -0.07 | 1325.36 | 0.40 | 1325.32 | 0.36 | 3.98 | $ 46,286 | 0.00 | $ - | $ 46,285.96 | 15.91 | $ 184,886 | 16.67 | $ 96,873 | $ 281,758.34 |
| 173 | 1336.89 | 1337.14 | Residential | 10216.91 | $ 7,417,477 | $ 3,708,738 | 0.00 | -1.00 | 0.00 | -1.00 | 1335.14 | -1.00 | 1335.14 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 580 | 1433.33 | 1433.58 | Residential | 2372.25 | $ 1,722,254 | $ 861,127 | 1431.31 | -1.00 | 1431.31 | -1.00 | 1431.40 | -1.00 | 1431.39 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 193 | 1330.91 | 1331.16 | Residential | 388.64 | $ 282,149 | $ 141,075 | 1331.13 | -0.03 | 1331.13 | -0.03 | 1331.32 | 0.16 | 1331.34 | 0.16 | 3.86767576 | $ 10,913 | 0 | $ - | $ 10,912.61 | 8.9182129 | $ 25,163 | 6.88549806 | $ 9,714 | $ 34,876.33 |
| 313 | 1344.58 | 1344.83 | Residential | 4545.76 | $ 3,300,219 | $ 1,650,110 | 0.00 | -1.00 | 0.00 | -1.00 | 1344.11 | -0.72 | 1344.25 | -0.72 | 0 | $ - | 0 | $ - | $ - | 1.12353516 | $ 37,079 | 0 | $ - | $ 37,079.12 |
| 30 | 1319.25 | 1319.50 | Residential | 8650.86 | $ 6,280,523 | $ 3,140,262 | 1319.31 | -0.19 | 1319.31 | -0.19 | 1319.34 | -0.16 | 1319.34 | -0.16 | 3.25 | $ 204,270 | 0.00 | $ - | $ 204,270.33 | 3.36 | $ 210,802 | 0.00 | $ - | $ 210,802.32 |
| 265 | 1336.62 | 1336.87 | Residential | 9275.89 | $ 6,734,294 | $ 3,367,147 | 453.05 | -1.00 | 453.06 | -1.00 | 453.06 | -1.00 | 453.07 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 278 | 1329.33 | 1329.58 | Residential | 9887.56 | $ 7,178,367 | $ 3,589,183 | 1329.54 | -0.04 | 1329.52 | -0.06 | 1329.70 | 0.13 | 1329.69 | 0.11 | 3.86 | $ 276,830 | 0.00 | $ - | $ 276,829.78 | 7.79 | $ 558,952 | 5.30 | $ 190,272 | $ 749,224.48 |
| 8 | 1314.25 | 1314.50 | Residential | 4845.72 | $ 3,517,990 | $ 1,758,995 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 288 | 1341.77 | 1342.02 | Residential | 7520.30 | $ 5,459,739 | $ 2,729,869 | 1341.76 | -0.26 | 1341.76 | -0.26 | 1341.78 | -0.24 | 1341.78 | -0.24 | 2.95 | $ 160,886 | 0.00 | $ - | $ 160,886.34 | 3.06 | $ 166,965 | 0.00 | $ - | $ 166,964.56 |
| 415 | 1359.67 | 1359.92 | Residential | 361.17 | $ 262,212 | $ 131,106 | 0.00 | -1.00 | 0.00 | -1.00 | 378.48 | -1.00 | 378.49 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 35 | 1317.85 | 1318.10 | Residential | 7080.65 | $ 5,140,551 | $ 2,570,275 | 803.86 | -1.00 | 803.87 | -1.00 | 1317.85 | -0.25 | 1317.85 | -0.25 | 0 | $ - | 0 | $ - | $ - | 2.99023436 | $ 153,715 | 0 | $ - | $ 153,714.52 |
| 279 | 1336.73 | 1336.98 | Residential | 7751.73 | $ 5,627,755 | $ 2,813,877 | 1336.39 | -0.59 | 1336.32 | -0.66 | 1336.98 | 0.00 | 1336.96 | -0.02 | 1.65 | $ 92,578 | 0.00 | $ - | $ 92,577.67 | 4.00 | $ 225,000 | 0.00 | $ - | $ 225,000.28 |
| 399 | 1329.62 | 1329.87 | Residential | 9065.18 | $ 6,581,319 | $ 3,290,660 | 766.63 | -1.00 | 766.63 | -1.00 | 766.71 | -1.00 | 766.72 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 42 | 1323.17 | 1323.42 | Residential | 7002.87 | $ 5,084,085 | $ 2,542,043 | 1323.12 | -0.30 | 1323.12 | -0.30 | 1323.18 | -0.24 | 1323.18 | -0.24 | 2.80 | $ 142,344 | 0.00 | $ - | $ 142,344.46 | 3.05 | $ 155,179 | 0.00 | $ - | $ 155,178.79 |
| 57 | 1341.09 | 1341.34 | Residential | 7023.87 | $ 5,099,331 | $ 2,549,666 | 743.98 | -1.00 | 743.97 | -1.00 | 759.64 | -1.00 | 759.62 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 397 | 1327.07 | 1327.32 | Residential | 9177.64 | $ 6,662,967 | $ 3,331,483 | 1326.82 | -0.50 | 1326.82 | -0.50 | 1327.09 | -0.23 | 1327.09 | -0.23 | 1.9819336 | $ 132,056 | 0 | $ - | $ 132,055.58 | 3.06347656 | $ 204,118 | 0 | $ - | $ 204,118.43 |
| 374 | 1324.33 | 1324.58 | Residential | 7554.42 | $ 5,484,508 | $ 2,742,254 | 1324.35 | -0.23 | 1324.35 | -0.23 | 1324.42 | -0.17 | 1324.40 | -0.19 | 3.07 | $ 168,204 | 0.00 | $ - | $ 168,204.07 | 3.33 | $ 182,371 | 0.00 | $ - | $ 182,370.60 |
| 216 | 1336.13 | 1336.38 | Residential | 5675.45 | $ 4,120,379 | $ 2,060,189 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 283 | 1339.27 | 1339.52 | Residential | 13817.96 | $ 10,031,838 | $ 5,015,919 | 1339.17 | -0.35 | 1338.87 | -0.65 | 1339.53 | 0.01 | 1339.50 | -0.02 | 2.59 | $ 259,907 | 0.00 | $ - | $ 259,906.89 | 4.32 | $ 433,603 | 0.45 | $ 22,630 | $ 456,233.10 |
| 334 | 1324.83 | 1325.08 | Residential | 10462.71 | $ 7,595,925 | $ 3,797,963 | 1324.97 | -0.11 | 1324.90 | -0.18 | 1325.54 | 0.46 | 1325.48 | 0.39 | 3.57 | $ 271,050 | 0.00 | $ - | $ 271,049.91 | 17.85 | $ 1,355,880 | 19.39 | $ 736,430 | $ 2,092,310.17 |
| 26 | 1311.97 | 1312.22 | Residential | 13261.74 | $ 9,628,026 | $ 4,814,013 | 1311.93 | -0.29 | 1311.93 | -0.29 | 1311.98 | -0.25 | 1311.97 | -0.25 | 2.83 | $ 272,152 | 0.00 | $ - | $ 272,151.56 | 3.01 | $ 290,063 | 0.00 | $ - | $ 290,063.08 |
| 301 | 1346.57 | 1346.82 | Residential | 11175.62 | $ 8,113,498 | $ 4,056,749 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |

## 10-Year and 100-Year Existing Building Damages in Area A

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 308 | 1334.93 | 1335.18 | Residential | 6969.43 | $ 5,059,808 | $ 2,529,904 | 1334.88 | -0.29 | 1334.88 | -0.29 | 1335.28 | 0.10 | 1335.29 | 0.10 | 2.82128904 | $ 142,752 | 0 | $ - | $ 142,751.81 | 6.9296875 | $ 350,629 | 4.1015625 | $ 103,766 | $ 454,394.47 |
| 196 | 1332.19 | 1332.44 | Residential | 8166.56 | $ 5,928,926 | $ 2,964,463 | 0.00 | -1.00 | 0.00 | -1.00 | 1332.16 | -0.28 | 1332.16 | -0.28 | 0.00 | $ - | 0.00 | $ - | $ - | 2.86 | $ 169,791 | 0.00 | $ - | $ 169,790.77 |
| 496 | 1323.96 | 1324.21 | Residential | 5063.01 | $ 3,675,743 | $ 1,837,872 | 1324.30 | 0.09 | 1324.22 | 0.01 | 1324.69 | 0.48 | 1324.67 | 0.46 | 6.76 | $ 248,660 | 3.87 | $ 71,141 | $ 319,801.33 | 18.32 | $ 673,219 | 20.04 | $ 368,333 | $ 1,041,551.79 |
| 573 | 1331.74 | 1331.99 | Residential | 7754.41 | $ 5,629,702 | $ 2,814,851 | 1331.39 | -0.60 | 1331.39 | -0.60 | 1331.42 | -0.57 | 1331.42 | -0.57 | 1.60742188 | $ 90,493 | 0 | $ - | $ 90,493.06 | 1.72070312 | $ 96,870 | 0 | $ - | $ 96,870.46 |
| 108 | 1379.24 | 1379.49 | Residential | 1156.59 | $ 839,681 | $ 419,840 | 0.00 | -1.00 | 0.00 | -1.00 | 1378.04 | -1.00 | 1378.04 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 188 | 1333.66 | 1333.91 | Residential | 10182.29 | $ 7,392,344 | $ 3,696,172 | 1333.86 | -0.05 | 1333.86 | -0.05 | 1333.93 | 0.02 | 1333.94 | 0.02 | 3.78222656 | $ 279,595 | 0 | $ - | $ 279,595.18 | 4.4907226 | $ 331,970 | 0.68701164 | $ 25,393 | $ 357,362.77 |
| 351 | 1324.71 | 1324.96 | Residential | 4981.85 | $ 3,616,823 | $ 1,808,412 | 1324.58 | -0.39 | 1324.56 | -0.41 | 1324.99 | 0.02 | 1324.98 | 0.01 | 2.46 | $ 88,919 | 0.00 | $ - | $ 88,919.46 | 4.68 | $ 169,309 | 0.95 | $ 17,245 | $ 186,554.28 |
| 467 | 1340.84 | 1341.09 | Residential | 4065.37 | $ 2,951,456 | $ 1,475,728 | 0.00 | -1.00 | 0.00 | -1.00 | 1079.51 | -1.00 | 1079.52 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 132 | 1490.09 | 1490.34 | Residential | 1336.38 | $ 970,214 | $ 485,107 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 408 | 1322.66 | 1322.91 | Residential | 6487.88 | $ 4,710,200 | $ 2,355,100 | 1322.62 | -0.29 | 1322.57 | -0.34 | 1323.04 | 0.13 | 1323.04 | 0.13 | 2.84 | $ 133,624 | 0.00 | $ - | $ 133,624.33 | 7.96 | $ 374,700 | 5.54 | $ 130,404 | $ 505,104.57 |
| 119 | 1390.29 | 1390.54 | Residential | 315.89 | $ 229,336 | $ 114,668 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 584 | 1353.35 | 1353.60 | Residential | 0.00 | $ - | $ - | 175.39 | -1.00 | 175.39 | -1.00 | 415.79 | -1.00 | 415.78 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 511 | 1321.86 | 1322.11 | Residential | 646.27 | $ 469,192 | $ 234,596 | 1322.07 | -0.03 | 1322.00 | -0.10 | 1322.53 | 0.43 | 1322.24 | 0.14 | 3.87 | $ 18,170 | 0.00 | $ - | $ 18,169.74 | 16.84 | $ 79,026 | 17.98 | $ 42,181 | $ 121,207.04 |
| 54 | 1336.82 | 1337.07 | Residential | 9657.93 | $ 7,011,655 | $ 3,505,828 | 1336.97 | -0.10 | 1336.94 | -0.13 | 1337.10 | 0.03 | 1337.08 | 0.01 | 3.59 | $ 251,913 | 0.00 | $ - | $ 251,912.89 | 4.96 | $ 347,998 | 1.35 | $ 47,272 | $ 395,270.08 |
| 289 | 1315.29 | 1315.54 | Residential | 732.08 | $ 531,493 | $ 265,747 | 568.06 | -1.00 | 568.05 | -1.00 | 707.89 | -1.00 | 707.90 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 425 | 1440.09 | 1440.34 | Residential | 3730.58 | $ 2,708,404 | $ 1,354,202 | 1436.06 | -1.00 | 1436.06 | -1.00 | 1436.14 | -1.00 | 1436.13 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 325 | 1403.93 | 1404.18 | Residential | 4455.81 | $ 3,234,917 | $ 1,617,458 | 1401.98 | -1.00 | 1401.98 | -1.00 | 1402.03 | -1.00 | 1402.03 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 45 | 1313.71 | 1313.96 | Residential | 5863.55 | $ 4,256,937 | $ 2,128,469 | 1313.00 | -0.96 | 1313.00 | -0.96 | 1313.58 | -0.38 | 1313.58 | -0.38 | 0.15527344 | $ 6,610 | 0 | $ - | $ 6,609.89 | 2.47509764 | $ 105,363 | 0 | $ - | $ 105,363.35 |
| 147 | 1333.51 | 1333.76 | Residential | 1860.79 | $ 1,350,934 | $ 675,467 | 800.72 | -1.00 | 800.73 | -1.00 | 1333.04 | -0.72 | 1333.06 | -0.72 | 0 | $ - | 0 | $ - | $ - | 1.10644528 | $ 14,947 | 0 | $ - | $ 14,947.35 |
| 355 | 1320.50 | 1320.75 | Residential | 7271.22 | $ 5,278,904 | $ 2,639,452 | 1320.51 | -0.24 | 1320.51 | -0.24 | 1320.53 | -0.22 | 1320.62 | -0.22 | 3.04150392 | $ 160,558 | 0 | $ - | $ 160,558.08 | 3.13427736 | $ 165,455 | 0 | $ - | $ 165,455.50 |
| 55 | 1333.97 | 1334.22 | Residential | 8885.46 | $ 6,450,843 | $ 3,225,422 | 1256.97 | -1.00 | 1256.97 | -1.00 | 1257.07 | -1.00 | 1257.06 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 383 | 1323.11 | 1323.36 | Residential | 6532.58 | $ 4,742,656 | $ 2,371,328 | 1322.62 | -0.74 | 1322.57 | -0.78 | 1322.97 | -0.39 | 1322.96 | -0.39 | 1.06 | $ 50,090 | 0.00 | $ - | $ 50,089.67 | 2.44 | $ 115,857 | 0.00 | $ - | $ 115,856.96 |
| 377 | 1324.05 | 1324.30 | Residential | 6948.25 | $ 5,044,428 | $ 2,522,214 | 1324.25 | -0.05 | 1324.22 | -0.08 | 1324.48 | 0.18 | 1324.47 | 0.17 | 3.79 | $ 191,186 | 0.00 | $ - | $ 191,185.79 | 9.46 | $ 477,398 | 7.65 | $ 192,935 | $ 670,332.53 |
| 501 | 1320.89 | 1321.14 | Residential | 14670.16 | $ 10,650,533 | $ 5,325,266 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 114 | 1377.43 | 1377.68 | Residential | 1961.87 | $ 1,424,316 | $ 712,158 | 1377.38 | -0.30 | 1377.38 | -0.30 | 1377.48 | -0.20 | 1377.48 | -0.20 | 2.79 | $ 39,697 | 0.00 | $ - | $ 39,697.25 | 3.20 | $ 45,609 | 0.00 | $ - | $ 45,608.72 |
| 92 | 1384.83 | 1385.08 | Residential | 23180.32 | $ 16,828,912 | $ 8,414,456 | 1383.02 | -1.00 | 1383.02 | -1.00 | 1383.70 | -1.00 | 1383.69 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 194 | 1337.21 | 1337.46 | Residential | 9523.28 | $ 6,913,901 | $ 3,456,951 | 1337.21 | -0.25 | 1337.21 | -0.25 | 1337.29 | -0.17 | 1337.29 | -0.17 | 3.01 | $ 208,193 | 0.00 | $ - | $ 208,193.50 | 3.32 | $ 229,799 | 0.00 | $ - | $ 229,799.44 |
| 560 | 1318.46 | 1318.71 | Residential | 5850.33 | $ 4,247,338 | $ 2,123,669 | 1318.50 | -0.21 | 1318.50 | -0.21 | 1318.55 | -0.16 | 1318.55 | -0.16 | 3.16 | $ 134,202 | 0.00 | $ - | $ 134,201.77 | 3.37 | $ 143,182 | 0.00 | $ - | $ 143,181.74 |
| 300 | 1339.66 | 1339.91 | Residential | 13233.48 | $ 9,607,509 | $ 4,803,755 | 341.83 | -1.00 | 341.83 | -1.00 | 1339.10 | -0.81 | 1339.11 | -0.81 | 0 | $ - | 0 | $ - | $ - | 0.7573242 | $ 72,760 | 0 | $ - | $ 72,759.99 |
| 478 | 1321.22 | 1321.47 | Residential | 7719.33 | $ 5,604,232 | $ 2,802,116 | 1320.76 | -0.71 | 1320.74 | -0.73 | 1321.53 | 0.07 | 1321.51 | 0.04 | 1.18 | $ 66,030 | 0.00 | $ - | $ 66,030.33 | 5.95 | $ 333,559 | 2.73 | $ 76,572 | $ 410,131.01 |
| 272 | 1339.97 | 1340.22 | Residential | 5299.00 | $ 3,847,076 | $ 1,923,538 | 1340.21 | 0.00 | 1340.15 | -0.06 | 1340.67 | 0.45 | 1340.62 | 0.40 | 3.98 | $ 153,132 | 0.00 | $ - | $ 153,131.67 | 17.57 | $ 675,859 | 19.00 | $ 365,383 | $ 1,041,241.81 |
| 152 | 1345.74 | 1345.99 | Residential | 6940.51 | $ 5,038,809 | $ 2,519,405 | 1346.19 | 0.20 | 1346.19 | 0.20 | 1346.44 | 0.45 | 1346.44 | 0.45 | 10.0864258 | $ 508,236 | 8.52099612 | $ 214,678 | $ 722,914.14 | 17.4252931 | $ 878,027 | 18.79541034 | $ 473,532 | $ 1,351,559.75 |
| 507 | 1326.03 | 1326.28 | Residential | 10797.12 | $ 7,838,706 | $ 3,919,353 | 1326.10 | -0.18 | 1326.10 | -0.18 | 1326.37 | 0.09 | 1326.37 | 0.09 | 3.27197264 | $ 256,480 | 0 | $ - | $ 256,480.31 | 6.6440428 | $ 520,807 | 3.70165992 | $ 145,081 | $ 665,888.08 |
| 259 | 1335.19 | 1335.44 | Residential | 10032.44 | $ 7,283,551 | $ 3,641,776 | 1334.66 | -0.78 | 1334.63 | -0.81 | 1335.44 | 0.00 | 1335.39 | -0.05 | 0.88 | $ 64,122 | 0.00 | $ - | $ 64,122.28 | 4.13 | $ 300,944 | 0.18 | $ 6,722 | $ 307,666.03 |
| 568 | 1332.40 | 1332.65 | Residential | 5264.32 | $ 3,821,899 | $ 1,910,950 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 67 | 1358.85 | 1359.10 | Residential | 3832.96 | $ 2,782,731 | $ 1,391,366 | 1358.66 | -0.43 | 1358.66 | -0.43 | 1358.77 | -0.33 | 1358.77 | -0.33 | 2.26025392 | $ 62,897 | 0 | $ - | $ 62,896.80 | 2.69384768 | $ 74,963 | 0 | $ - | $ 74,962.55 |
| 157 | 1334.69 | 1334.94 | Residential | 11620.03 | $ 8,436,143 | $ 4,218,071 | 1335.22 | 0.28 | 1335.22 | 0.28 | 1335.39 | 0.45 | 1335.40 | 0.45 | 12.3935545 | $ 1,045,538 | 11.7509763 | $ 495,665 | $ 1,541,202.53 | 17.568115 | $ 1,482,071 | 18.995361 | $ 801,238 | $ 2,283,309.17 |
| 161 | 1338.81 | 1339.06 | Residential | 12200.44 | $ 8,857,520 | $ 4,428,760 | 1338.67 | -0.39 | 1338.67 | -0.39 | 1338.88 | -0.18 | 1338.88 | -0.18 | 2.44677736 | $ 216,724 | 0 | $ - | $ 216,723.79 | 3.26708984 | $ 289,383 | 0 | $ - | $ 289,383.13 |
| 178 | 1338.71 | 1338.96 | Residential | 2191.33 | $ 1,590,906 | $ 795,453 | 0.00 | -1.00 | 0.00 | -1.00 | 1338.85 | -0.10 | 1338.86 | -0.10 | 0 | $ - | 0 | $ - | $ - | 3.59326172 | $ 57,165 | 0 | $ - | $ 57,165.43 |
| 394 | 1326.19 | 1326.44 | Residential | 863.93 | $ 627,213 | $ 313,607 | 0.00 | -1.00 | 0.00 | -1.00 | 263.80 | -1.00 | 263.81 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 199 | 1333.72 | 1333.97 | Residential | 8444.06 | $ 6,130,386 | $ 3,065,193 | 0.00 | -1.00 | 0.00 | -1.00 | 331.65 | -1.00 | 331.65 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 84 | 1378.04 | 1378.29 | Residential | 2416.84 | $ 1,754,627 | $ 877,314 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 17 | 1314.46 | 1314.71 | Residential | 6917.41 | $ 5,022,043 | $ 2,511,021 | 1314.60 | -0.11 | 1314.49 | -0.22 | 1314.93 | 0.22 | 1314.87 | 0.16 | 3.57 | $ 179,401 | 0.00 | $ - | $ 179,400.71 | 10.48 | $ 526,223 | 9.07 | $ 227,739 | $ 753,962.37 |
| 472 | 1336.64 | 1336.89 | Residential | 11331.29 | $ 8,226,515 | $ 4,113,257 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 582 | 1462.74 | 1462.99 | Residential | 16759.96 | $ 12,167,729 | $ 6,083,864 | 1460.73 | -1.00 | 1460.73 | -1.00 | 1460.80 | -1.00 | 1460.80 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 464 | 1329.31 | 1329.56 | Residential | 5295.97 | $ 3,844,872 | $ 1,922,436 | 1329.39 | -0.17 | 1329.39 | -0.17 | 1329.44 | -0.12 | 1329.44 | -0.12 | 3.30322264 | $ 127,005 | 0 | $ - | $ 127,004.69 | 3.5073242 | $ 134,852 | 0 | $ - | $ 134,852.14 |
| 419 | 1390.04 | 1390.29 | Residential | 4825.64 | $ 3,503,412 | $ 1,751,706 | 1389.19 | -1.00 | 1389.19 | -1.00 | 1389.89 | -0.40 | 1389.89 | -0.40 | 0.00 | $ - | 0.00 | $ - | $ - | 2.39 | $ 83,890 | 0.00 | $ - | $ 83,890.31 |
| 439 | 1343.45 | 1343.70 | Residential | 6849.88 | $ 4,973,013 | $ 2,486,507 | 0.00 | -1.00 | 0.00 | -1.00 | 130.35 | -1.00 | 1061.14 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 303 | 1333.92 | 1334.17 | Residential | 7565.22 | $ 5,492,353 | $ 2,746,176 | 0.00 | -1.00 | 0.00 | -1.00 | 1333.50 | -0.67 | 1333.50 | -0.67 | 0.00 | $ - | 0.00 | $ - | $ - | 1.32 | $ 72,758 | 0.00 | $ - | $ 72,757.58 |
| 155 | 1347.15 | 1347.40 | Residential | 3848.09 | $ 2,793,714 | $ 1,396,857 | 1347.66 | 0.26 | 1347.66 | 0.26 | 1347.97 | 0.56 | 1347.97 | 0.56 | 11.6757814 | $ 326,188 | 10.74609396 | $ 150,108 | $ 476,295.45 | 20.875 | $ 583,188 | 23.625 | $ 330,007 | $ 913,195.15 |
| 82 | 1358.10 | 1358.35 | Residential | 651.46 | $ 472,962 | $ 236,481 | 0.00 | -1.00 | 0.00 | -1.00 | 30.58 | -1.00 | 30.58 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 409 | 1331.58 | 1331.83 | Residential | 7662.12 | $ 5,562,697 | $ 2,781,348 | 1331.57 | -0.26 | 1331.57 | -0.26 | 1331.60 | -0.23 | 1331.59 | -0.24 | 2.97 | $ 165,414 | 0.00 | $ - | $ 165,414.18 | 3.06 | $ 170,303 | 0.00 | $ - | $ 170,303.26 |
| 230 | 1337.64 | 1337.89 | Residential | 4073.31 | $ 2,957,220 | $ 1,478,610 | 1337.76 | -0.13 | 1337.76 | -0.13 | 1338.09 | 0.20 | 1338.10 | 0.20 | 3.46728516 | $ 102,535 | 0 | $ - | $ 102,535.26 | 9.9509278 | $ 294,271 | 8.33129892 | $ 123,187 | $ 417,458.30 |
| 499 | 1321.37 | 1321.62 | Residential | 6734.36 | $ 4,889,149 | $ 2,444,574 | 1024.72 | -1.00 | 528.49 | -1.00 | 1278.41 | -1.00 | 1078.87 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 207 | 1345.29 | 1345.54 | Residential | 62629.14 | $ 45,468,757 | $ 22,734,378 | 1345.04 | -0.50 | 1345.04 | -0.50 | 1345.19 | -0.35 | 1345.19 | -0.35 | 2.00 | $ 908,487 | 0.00 | $ - | $ 908,487.08 | 2.61 | $ 1,185,784 | 0.00 | $ - | $ 1,185,784.33 |
| 63 | 1334.63 | 1334.88 | Residential | 5989.61 | $ 4,348,454 | $ 2,174,227 | 1335.05 | 0.17 | 1335.05 | 0.17 | 1335.26 | 0.38 | 1335.26 | 0.38 | 9.1599121 | $ 398,315 | 7.22387694 | $ 157,063 | $ 555,378.08 | 15.3012697 | $ 665,369 | 15.82177758 | $ 344,001 | $ 1,009,370.10 |
| 412 | 1375.69 | 1375.94 | Residential | 3662.89 | $ 2,659,255 | $ 1,329,627 | 1375.59 | -0.35 | 1375.59 | -0.35 | 1375.64 | -0.30 | 1375.64 | -0.30 | 2.60400392 | $ 69,247 | 0 | $ - | $ 69,247.10 | 2.7836914 | $ 74,025 | 0 | $ - | $ 74,025.45 |
| 0 | 1317.98 | 1318.23 | Residential | 2031.12 | $ 1,474,595 | $ 737,297 | 637.78 | -1.00 | 637.78 | -1.00 | 1317.82 | -0.41 | 1317.82 | -0.41 | 0.00 | $ - | 0.00 | $ - | $ - | 2.36 | $ 34,827 | 0.00 | $ - | $ 34,827.23 |
| 531 | 1324.51 | 1324.76 | Residential | 18433.22 | $ 13,382,516 | $ 6,691,258 | 1323.32 | -1.00 | 1322.88 | -1.00 | 1323.85 | -0.90 | 1323.41 | -1.00 | 0.00 | $ - | 0.00 | $ - | $ - | 0.39 | $ 51,687 | 0.00 | $ - | $ 51,687.36 |
| 174 | 1346.24 | 1346.49 | Residential | 1124.42 | $ 816,330 | $ 408,165 | 303.67 | -1.00 | 303.67 | -1.00 | 1346.51 | 0.02 | 1346.51 | 0.02 | 0 | $ - | 0 | $ - | $ - | 4.4870605 | $ 36,629 | 0.6818847 | $ 2,783 | $ 39,412.44 |
| 341 | 1322.03 | 1322.28 | Residential | 18894.74 | $ 13,717,579 | $ 6,858,789 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 24 | 1314.06 | 1314.31 | Residential | 5845.51 | $ 4,243,839 | $ 2,121,919 | 1313.88 | -0.43 | 1313.88 | -0.43 | 1314.07 | -0.24 | 1314.01 | -0.30 | 2.29 | $ 97,310 | 0.00 | $ - | $ 97,309.90 | 3.03 | $ 128,434 | 0.00 | $ - | $ 128,434.15 |
| 246 | 1335.49 | 1335.74 | Residential | 8095.61 | $ 5,877,416 | $ 2,938,708 | 1335.25 | -0.49 | 1335.25 | -0.49 | 1335.88 | 0.14 | 1335.88 | 0.14 | 2.02490236 | $ 119,012 | 0 | $ - | $ 119,011.94 | 8.145508 | $ 478,745 | 5.8037112 | $ 170,554 | $ 649,299.53 |
| 403 | 1330.29 | 1330.54 | Residential | 11988.20 | $ 8,703,431 | $ 4,351,715 | 1329.02 | -1.00 | 1329.02 | -1.00 | 1329.06 | -1.00 | 1329.06 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 76 | 1386.63 | 1386.88 | Residential | 12282.31 | $ 8,916,955 | $ 4,458,478 | 1381.01 | -1.00 | 1381.01 | -1.00 | 1383.36 | -1.00 | 1383.36 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 2 | 1318.40 | 1318.65 | Residential | 9772.67 | $ 7,094,958 | $ 3,547,479 | 1318.08 | -0.57 | 1318.08 | -0.57 | 1318.11 | -0.54 | 1318.11 | -0.54 | 1.72 | $ 121,702 | 0.00 | $ - | $ 121,702.10 | 1.83 | $ 129,635 | 0.00 | $ - | $ 129,635.42 |
| 557 | 1319.81 | 1320.06 | Residential | 4983.35 | $ 3,617,912 | $ 1,808,956 | 1319.67 | -0.39 | 1319.67 | -0.39 | 1319.76 | -0.30 | 1319.76 | -0.30 | 2.45800784 | $ 88,929 | 0 | $ - | $ 88,928.57 | 2.80419924 | $ 101,453 | 0 | $ - | $ 101,453.47 |
| 363 | 1327.28 | 1327.53 | Residential | 13619.36 | $ 9,887,654 | $ 4,943,827 | 1327.80 | 0.27 | 1327.79 | 0.26 | 1328.12 | 0.59 | 1328.13 | 0.59 | 12.0859375 | $ 1,195,016 | 11.3203125 | $ 559,657 | $ 1,754,672.31 | 21.7941895 | $ 2,154,934 | 24.9118653 | $ 1,231,599 | $ 3,386,533.49 |
| 348 | 1322.03 | 1322.28 | Residential | 12779.27 | $ 9,277,748 | $ 4,638,874 | 716.09 | -1.00 | 716.10 | -1.00 | 716.26 | -1.00 | 716.27 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 222 | 1335.24 | 1335.49 | Residential | 10175.58 | $ 7,387,470 | $ 3,693,735 | 1335.36 | -0.13 | 1335.36 | -0.13 | 1335.70 | 0.21 | 1335.71 | 0.21 | 3.46728516 | $ 256,145 | 0 | $ - | $ 256,144.64 | 10.1816407 | $ 752,166 | 8.65429698 | $ 319,667 | $ 1,071,832.42 |
| 353 | 1324.46 | 1324.71 | Residential | 8593.13 | $ 6,238,612 | $ 3,119,306 | 1324.36 | -0.35 | 1324.36 | -0.35 | 1324.38 | -0.33 | 1324.38 | -0.33 | 2.60 | $ 162,088 | 0.00 | $ - | $ 162,088.16 | 2.69 | $ 168,028 | 0.00 | $ - | $ 168,028.25 |
| 219 | 1337.56 | 1337.81 | Residential | 1562.94 | $ 1,134,694 | $ 567,347 | 1337.55 | -0.26 | 1337.55 | -0.26 | 1337.76 | -0.05 | 1337.77 | -0.05 | 2.9736328 | $ 33,742 | 0 | $ - | $ 33,741.62 | 3.81347656 | $ 43,271 | 0 | $ - | $ 43,271.27 |
| 441 | 1327.97 | 1328.22 | Residential | 6274.07 | $ 4,554,976 | $ 2,277,488 | 427.21 | -1.00 | 427.20 | -1.00 | 950.84 | -1.00 | 950.84 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 124 | 1438.10 | 1438.35 | Residential | 14426.98 | $ 10,473,990 | $ 5,236,995 | 1431.87 | -1.00 | 1431.86 | -1.00 | 1432.70 | -1.00 | 1432.70 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 4 | 1313.10 | 1313.35 | Residential | 553.49 | $ 401,831 | $ 200,915 | 1313.18 | -0.17 | 1313.17 | -0.17 | 0.00 | -1.00 | 1314.42 | -1.00 | 3.3183594 | $ 13,334 | 0 | $ - | $ 13,334.19 | 0 | $ - | 0 | $ - | $ - |
| 533 | 1317.14 | 1317.39 | Residential | 10692.01 | $ 7,762,402 | $ 3,881,201 | 1317.04 | -0.35 | 1317.04 | -0.35 | 1317.08 | -0.31 | 1317.08 | -0.32 | 2.61 | $ 202,740 | 0.00 | $ - | $ 202,739.68 | 2.74 | $ 212,935 | 0.00 | $ - | $ 212,935.41 |
| 442 | 1295.07 | 1295.32 | Residential | 1280.72 | $ 929,801 | $ 464,900 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 730.69 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 127 | 1440.11 | 1440.36 | Residential | 1667.16 | $ 1,210,360 | $ 605,180 | 1432.41 | -1.00 | 1432.41 | -1.00 | 1432.48 | -1.00 | 1432.48 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 213 | 1344.82 | 1345.07 | Residential | 18886.60 | $ 13,711,674 | $ 6,855,837 | 1344.77 | -0.29 | 1344.77 | -0.29 | 1344.89 | -0.17 | 1344.90 | -0.17 | 2.82275388 | $ 387,047 | 0 | $ - | $ 387,046.81 | 3.30224608 | $ 452,793 | 0 | $ - | $ 452,793.22 |
| 339 | 1321.66 | 1321.91 | Residential | 4252.24 | $ 3,087,125 | $ 1,543,562 | 156.52 | -1.00 | 156.52 | -1.00 | 1320.88 | -1.00 | 1320.88 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 550 | 1321.54 | 1321.79 | Residential | 12488.97 | $ 9,066,992 | $ 4,533,496 | 1319.73 | -1.00 | 1319.73 | -1.00 | 1319.76 | -1.00 | 1319.76 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 547 | 1321.82 | 1322.07 | Residential | 303.30 | $ 220,193 | $ 110,097 | 0.00 | -1.00 | 0.00 | -1.00 | 786.73 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 7 | 1315.20 | 1315.45 | Residential | 8695.64 | $ 6,313,034 | $ 3,156,517 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 166 | 1334.79 | 1335.04 | Residential | 4656.42 | $ 3,380,564 | $ 1,690,282 | 238.50 | -1.00 | 238.50 | -1.00 | 1334.60 | -0.44 | 1334.61 | -0.44 | 0 | $ - | 0 | $ - | $ - | 2.24804688 | $ 75,997 | 0 | $ - | $ 75,996.66 |
| 356 | 1323.12 | 1323.37 | Residential | 20490.88 | $ 14,876,379 | $ 7,438,189 | 473.06 | -1.00 | 473.06 | -1.00 | 1322.08 | -1.00 | 1322.08 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 366 | 1322.45 | 1322.70 | Residential | 7079.13 | $ 5,139,449 | $ 2,569,724 | 1321.50 | -1.00 | 1321.50 | -1.00 | 1322.30 | -0.39 | 1322.30 | -0.39 | 0.00 | $ - | 0.00 | $ - | $ - | 2.43 | $ 125,048 | 0.00 | $ - | $ 125,048.21 |
| 212 | 1335.76 | 1336.01 | Residential | 1686.91 | $ 1,224,694 | $ 612,347 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 81 | 1362.73 | 1362.98 | Residential | 13883.69 | $ 10,079,557 | $ 5,039,778 | 1362.85 | -0.12 | 1362.85 | -0.12 | 1362.93 | -0.04 | 1362.93 | -0.04 | 3.50097656 | $ 352,883 | 0 | $ - | $ 352,882.92 | 3.82421876 | $ 385,464 | 0 | $ - | $ 385,464.30 |
| 252 | 1342.94 | 1343.19 | Residential | 11528.90 | $ 8,369,982 | $ 4,184,991 | 1342.22 | -0.97 | 1342.22 | -0.97 | 1343.01 | -0.18 | 1342.25 | -0.94 | 0.12 | $ 10,054 | 0.00 | $ - | $ 10,053.79 | 3.28 | $ 274,722 | 0.00 | $ - | $ 274,721.78 |
| 451 | 1330.63 | 1330.88 | Residential | 4329.91 | $ 3,143,516 | $ 1,571,758 | 1329.82 | -1.00 | 1329.82 | -1.00 | 1329.86 | -1.00 | 1329.86 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 290 | 1334.83 | 1335.08 | Residential | 11536.70 | $ 8,375,645 | $ 4,187,822 | 1333.35 | -1.00 | 1333.32 | -1.00 | 1334.64 | -0.44 | 1334.63 | -0.45 | 0.00 | $ - | 0.00 | $ - | $ - | 2.24 | $ 187,920 | 0.00 | $ - | $ 187,920.35 |
| 19 | 1316.38 | 1316.63 | Residential | 6993.30 | $ 5,077,134 | $ 2,538,567 | 1315.78 | -0.85 | 1315.78 | -0.85 | 1315.97 | -0.66 | 1315.93 | -0.70 | 0.61 | $ 30,765 | 0.00 | $ - | $ 30,765.25 | 1.34 | $ 68,050 | 0.00 | $ - | $ 68,050.45 |
| 388 | 1322.89 | 1323.14 | Residential | 10092.64 | $ 7,327,254 | $ 3,663,627 | 1322.62 | -0.52 | 1322.57 | -0.57 | 1323.24 | 0.10 | 1323.22 | 0.08 | 1.92 | $ 140,892 | 0.00 | $ - | $ 140,892.22 | 6.87 | $ 503,462 | 4.02 | $ 147,261 | $ 650,723.13 |
| 43 | 1320.11 | 1320.36 | Residential | 6209.68 | $ 4,508,230 | $ 2,254,115 | 1319.63 | -0.74 | 1319.63 | -0.74 | 1319.65 | -0.71 | 1319.65 | -0.71 | 1.05 | $ 47,240 | 0.00 | $ - | $ 47,239.56 | 1.16 | $ 52,325 | 0.00 | $ - | $ 52,324.53 |
| 347 | 1326.78 | 1327.03 | Residential | 9360.23 | $ 6,795,524 | $ 3,397,762 | 821.46 | -1.00 | 23.19 | -1.00 | 1326.56 | -0.47 | 1326.54 | -0.49 | 0.00 | $ - | 0.00 | $ - | $ - | 2.10 | $ 143,044 | 0.00 | $ - | $ 143,044.44 |
| 558 | 1329.23 | 1329.48 | Residential | 5699.37 | $ 4,137,742 | $ 2,068,871 | 0.00 | -1.00 | 0.00 | -1.00 | 1329.38 | -0.10 | 0.00 | -1.00 | 0.00 | $ - | 0.00 | $ - | $ - | 3.61 | $ 149,488 | 0.00 | $ - | $ 149,488.05 |
| 411 | 1371.41 | 1371.66 | Residential | 3701.56 | $ 2,687,336 | $ 1,343,668 | 1369.90 | -1.00 | 1369.90 | -1.00 | 1369.95 | -1.00 | 1369.95 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |

## 10-Year and 100-Year Existing Building Damages in Area A

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 314 | 1330.36 | 1330.61 | Residential | 4196.13 | $ 3,046,391 | $ 1,523,196 | 1330.19 | -0.42 | 1330.19 | -0.42 | 1330.73 | 0.12 | 1330.74 | 0.12 | 2.30957032 | $ 70,359 | 0 | $ - | $ 70,358.55 | 7.7023927 | $ 234,645 | 5.18334978 | $ 78,953 | $ 313,597.60 |
| 79 | 1368.26 | 1368.51 | Residential | 1459.23 | $ 1,059,402 | $ 529,701 | 819.50 | -1.00 | 819.51 | -1.00 | 1341.09 | -1.00 | 1341.09 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 117 | 1391.60 | 1391.85 | Residential | 3751.96 | $ 2,723,924 | $ 1,361,962 | 0.00 | -1.00 | 0.00 | -1.00 | 1391.33 | -0.52 | 1391.33 | -0.53 | 0.00 | $ - | 0.00 | $ - | $ - | 1.90 | $ 51,805 | 0.00 | $ - | $ 51,805.10 |
| 422 | 1360.68 | 1360.93 | Residential | 19148.04 | $ 13,901,477 | $ 6,950,738 | 1359.30 | -1.00 | 1359.30 | -1.00 | 1359.43 | -1.00 | 1359.43 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 398 | 1326.86 | 1327.11 | Residential | 13652.47 | $ 9,911,695 | $ 4,955,847 | 1326.93 | -0.18 | 1326.93 | -0.18 | 1326.96 | -0.15 | 1326.96 | -0.15 | 3.28 | $ 324,695 | 0.00 | $ - | $ 324,695.12 | 3.40 | $ 337,085 | 0.00 | $ - | $ 337,084.74 |
| 160 | 1330.28 | 1330.53 | Residential | 16486.30 | $ 11,969,051 | $ 5,984,525 | 1329.35 | -1.00 | 1329.35 | -1.00 | 1329.39 | -1.00 | 1329.39 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 448 | 1350.42 | 1350.67 | Residential | 9775.28 | $ 7,096,851 | $ 3,548,425 | 1350.44 | -0.23 | 1350.44 | -0.23 | 1350.50 | -0.18 | 1350.50 | -0.18 | 3.07958984 | $ 218,554 | 0 | $ - | $ 218,553.90 | 3.28515624 | $ 233,143 | 0 | $ - | $ 233,142.64 |
| 241 | 1340.47 | 1340.72 | Residential | 4769.11 | $ 3,462,376 | $ 1,731,188 | 0.00 | -1.00 | 0.00 | -1.00 | 618.40 | -1.00 | 618.40 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 65 | 1360.27 | 1360.52 | Residential | 2558.86 | $ 1,857,730 | $ 928,865 | 1358.39 | -1.00 | 1358.39 | -1.00 | 1358.61 | -1.00 | 1358.62 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 221 | 1332.89 | 1333.14 | Residential | 6409.64 | $ 4,653,397 | $ 2,326,698 | 1130.18 | -1.00 | 1130.18 | -1.00 | 1332.84 | -0.30 | 1332.86 | -0.30 | 0 | $ - | 0 | $ - | $ - | 2.81298828 | $ 130,899 | 0 | $ - | $ 130,899.50 |
| 107 | 1408.31 | 1408.56 | Residential | 9558.60 | $ 6,939,545 | $ 3,469,773 | 1407.44 | -1.00 | 1407.44 | -1.00 | 1407.53 | -1.00 | 1407.53 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 159 | 1337.05 | 1337.30 | Residential | 7081.33 | $ 5,141,047 | $ 2,570,523 | 0.00 | -1.00 | 0.00 | -1.00 | 1336.93 | -0.37 | 1336.93 | -0.37 | 0 | $ - | 0 | $ - | $ - | 2.52636716 | $ 129,882 | 0 | $ - | $ 129,881.71 |
| 354 | 1324.37 | 1324.62 | Residential | 6151.11 | $ 4,465,703 | $ 2,232,851 | 1264.84 | -1.00 | 1264.85 | -1.00 | 1324.36 | -0.26 | 1324.35 | -0.27 | 0.00 | $ - | 0.00 | $ - | $ - | 2.98 | $ 132,903 | 0.00 | $ - | $ 132,902.62 |
| 11 | 1310.91 | 1311.16 | Residential | 8959.69 | $ 6,504,734 | $ 3,252,367 | 1311.35 | 0.19 | 1311.26 | 0.10 | 1311.62 | 0.46 | 1311.58 | 0.42 | 9.58 | $ 622,984 | 7.81 | $ 253,956 | $ 876,940.07 | 17.92 | $ 1,165,866 | 19.49 | $ 633,973 | $ 1,799,838.86 |
| 480 | 1320.99 | 1321.24 | Residential | 21154.48 | $ 15,358,155 | $ 7,679,077 | 0.00 | -1.00 | 0.00 | -1.00 | 67.45 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 535 | 1318.96 | 1319.21 | Residential | 15038.36 | $ 10,917,848 | $ 5,458,924 | 1319.07 | -0.14 | 1319.07 | -0.14 | 1319.10 | -0.11 | 1319.09 | -0.12 | 3.43 | $ 374,608 | 0.00 | $ - | $ 374,608.00 | 3.54 | $ 386,549 | 0.00 | $ - | $ 386,549.40 |
| 324 | 1416.21 | 1416.46 | Residential | 23457.64 | $ 17,030,244 | $ 8,515,122 | 1413.95 | -1.00 | 1413.95 | -1.00 | 1414.07 | -1.00 | 1414.07 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 15 | 1310.89 | 1311.14 | Residential | 6635.11 | $ 4,817,087 | $ 2,408,543 | 1311.22 | 0.08 | 1311.13 | -0.01 | 1311.54 | 0.40 | 1311.49 | 0.35 | 6.52 | $ 314,051 | 3.53 | $ 84,958 | $ 399,009.09 | 16.11 | $ 775,885 | 16.95 | $ 408,241 | $ 1,184,126.01 |
| 83 | 1371.94 | 1372.19 | Residential | 2134.99 | $ 1,550,000 | $ 775,000 | 1372.24 | 0.05 | 1372.24 | 0.05 | 1372.37 | 0.18 | 1372.36 | 0.17 | 5.53 | $ 85,670 | 2.14 | $ 16,569 | $ 102,239.11 | 9.41 | $ 145,782 | 7.57 | $ 58,647 | $ 204,429.02 |
| 396 | 1328.64 | 1328.89 | Residential | 16191.87 | $ 11,755,297 | $ 5,877,649 | 965.23 | -1.00 | 965.23 | -1.00 | 1328.35 | -0.53 | 1328.35 | -0.54 | 0.00 | $ - | 0.00 | $ - | $ - | 1.86 | $ 219,034 | 0.00 | $ - | $ 219,034.25 |
| 583 | 1330.49 | 1330.74 | Residential | 0.00 | $ - | $ - | 1329.79 | -0.95 | 1329.79 | -0.95 | 1329.82 | -0.93 | 1329.82 | -0.93 | 0.19970704 | $ - | 0 | $ - | $ - | 0.29003908 | $ - | 0 | $ - | $ - |
| 516 | 1322.12 | 1322.37 | Residential | 766.64 | $ 556,581 | $ 278,291 | 76.91 | -1.00 | 76.90 | -1.00 | 291.24 | -1.00 | 128.43 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 342 | 1321.31 | 1321.56 | Residential | 440.90 | $ 320,096 | $ 160,048 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 150 | 1341.28 | 1341.53 | Residential | 4258.47 | $ 3,091,652 | $ 1,545,826 | 1341.73 | 0.20 | 1341.73 | 0.20 | 1341.90 | 0.37 | 1341.91 | 0.37 | 9.9216307 | $ 306,742 | 8.29028298 | $ 128,153 | $ 434,895.66 | 15.1108399 | $ 467,175 | 15.55517586 | $ 240,456 | $ 707,630.56 |
| 143 | 1329.96 | 1330.21 | Residential | 3734.03 | $ 2,710,903 | $ 1,355,452 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 344 | 1324.82 | 1325.07 | Residential | 7011.00 | $ 5,089,986 | $ 2,544,993 | 1324.73 | -0.34 | 1324.62 | -0.45 | 1325.17 | 0.09 | 1325.15 | 0.08 | 2.64 | $ 134,507 | 0.00 | $ - | $ 134,506.85 | 6.84 | $ 348,060 | 3.97 | $ 101,122 | $ 449,182.53 |
| 571 | 1327.57 | 1327.82 | Residential | 8562.45 | $ 6,216,338 | $ 3,108,169 | 1327.58 | -0.23 | 1327.59 | -0.23 | 1327.62 | -0.20 | 1327.62 | -0.20 | 3.07421876 | $ 191,104 | 0 | $ - | $ 191,103.84 | 3.21142576 | $ 199,633 | 0 | $ - | $ 199,633.09 |
| 88 | 1379.61 | 1379.86 | Residential | 11455.28 | $ 8,316,533 | $ 4,158,267 | 1378.41 | -1.00 | 1378.41 | -1.00 | 1378.46 | -1.00 | 1378.46 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 49 | 1377.00 | 1377.25 | Residential | 728.13 | $ 528,623 | $ 264,311 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 445 | 1348.57 | 1348.82 | Residential | 8000.24 | $ 5,808,173 | $ 2,904,086 | 1348.40 | -0.42 | 1348.39 | -0.43 | 1348.43 | -0.39 | 1348.43 | -0.39 | 2.30029296 | $ 133,605 | 0 | $ - | $ 133,604.99 | 2.4267578 | $ 140,950 | 0 | $ - | $ 140,950.29 |
| 376 | 1323.14 | 1323.39 | Residential | 7118.19 | $ 5,167,807 | $ 2,583,904 | 1322.66 | -0.73 | 1322.57 | -0.82 | 1323.33 | -0.06 | 1323.33 | -0.06 | 1.08 | $ 55,640 | 0.00 | $ - | $ 55,639.72 | 3.77 | $ 194,979 | 0.00 | $ - | $ 194,978.75 |
| 86 | 1377.55 | 1377.80 | Residential | 2949.41 | $ 2,141,271 | $ 1,070,635 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 520 | 1322.62 | 1322.87 | Residential | 15567.65 | $ 11,302,117 | $ 5,651,058 | 1322.30 | -0.57 | 1322.30 | -0.57 | 1322.78 | -0.09 | 1322.35 | -0.52 | 1.71 | $ 192,765 | 0.00 | $ - | $ 192,765.11 | 3.65 | $ 412,295 | 0.00 | $ - | $ 412,295.48 |
| 224 | 1342.44 | 1342.69 | Residential | 5688.11 | $ 4,129,571 | $ 2,064,785 | 1342.46 | -0.24 | 1342.46 | -0.24 | 1342.48 | -0.21 | 1342.48 | -0.21 | 3.05 | $ 125,762 | 0.00 | $ - | $ 125,762.36 | 3.16 | $ 130,340 | 0.00 | $ - | $ 130,339.57 |
| 16 | 1311.95 | 1312.20 | Residential | 5118.95 | $ 3,716,356 | $ 1,858,178 | 0.00 | -1.00 | 0.00 | -1.00 | 1311.91 | -0.29 | 1311.88 | -0.32 | 0.00 | $ - | 0.00 | $ - | $ - | 2.82 | $ 104,958 | 0.00 | $ - | $ 104,958.01 |
| 71 | 1355.29 | 1355.54 | Residential | 15605.34 | $ 11,329,477 | $ 5,664,738 | 1355.85 | 0.31 | 1355.86 | 0.31 | 1356.01 | 0.47 | 1356.03 | 0.47 | 13.1735839 | $ 1,492,498 | 12.84301746 | $ 727,523 | $ 2,220,021.51 | 18.0405271 | $ 2,043,897 | 19.65673794 | $ 1,113,503 | $ 3,157,400.16 |
| 493 | 1320.68 | 1320.93 | Residential | 1623.50 | $ 1,178,660 | $ 589,330 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 380 | 1324.56 | 1324.81 | Residential | 7115.36 | $ 5,165,750 | $ 2,582,875 | 1324.17 | -0.64 | 1262.30 | -1.00 | 1324.34 | -0.47 | 1324.33 | -0.48 | 1.42 | $ 73,451 | 0.00 | $ - | $ 73,450.51 | 2.10 | $ 108,662 | 0.00 | $ - | $ 108,662.37 |
| 291 | 1343.71 | 1343.96 | Residential | 10971.13 | $ 7,965,040 | $ 3,982,520 | 0.00 | -1.00 | 0.00 | -1.00 | 1194.25 | -1.00 | 1194.26 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 548 | 1331.38 | 1331.63 | Residential | 2067.78 | $ 1,501,207 | $ 750,604 | 1330.21 | -1.00 | 1330.21 | -1.00 | 1330.49 | -1.00 | 1330.48 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 326 | 1390.61 | 1390.86 | Residential | 6518.30 | $ 4,732,285 | $ 2,366,143 | 1390.62 | -0.24 | 1390.62 | -0.24 | 1390.64 | -0.22 | 1390.64 | -0.22 | 3.05 | $ 144,464 | 0.00 | $ - | $ 144,464.11 | 3.14 | $ 148,577 | 0.00 | $ - | $ 148,577.13 |
| 530 | 1331.84 | 1332.09 | Residential | 10819.21 | $ 7,854,744 | $ 3,927,372 | 1332.11 | 0.02 | 1332.11 | 0.02 | 1332.30 | 0.21 | 1332.31 | 0.21 | 4.4760742 | $ 351,584 | 0.66650388 | $ 26,176 | $ 377,760.28 | 10.3610839 | $ 813,837 | 8.90551746 | $ 349,753 | $ 1,163,589.48 |
| 323 | 1425.01 | 1425.26 | Residential | 9843.82 | $ 7,146,612 | $ 3,573,306 | 1424.74 | -0.52 | 1424.74 | -0.52 | 1424.79 | -0.47 | 1424.79 | -0.48 | 1.91 | $ 136,302 | 0.00 | $ - | $ 136,302.09 | 2.10 | $ 150,121 | 0.00 | $ - | $ 150,120.73 |
| 497 | 1320.51 | 1320.76 | Residential | 2723.39 | $ 1,977,179 | $ 988,590 | 0.00 | -1.00 | 0.00 | -1.00 | 147.26 | -1.00 | 147.25 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 391 | 1323.62 | 1323.87 | Residential | 9604.68 | $ 6,972,994 | $ 3,486,497 | 1323.72 | -0.15 | 1323.65 | -0.22 | 1324.10 | 0.23 | 1324.10 | 0.23 | 3.42 | $ 238,335 | 0.00 | $ - | $ 238,334.77 | 10.94 | $ 762,824 | 9.72 | $ 338,733 | $ 1,101,557.78 |
| 319 | 1347.74 | 1347.99 | Residential | 5079.32 | $ 3,687,584 | $ 1,843,792 | 1347.48 | -0.52 | 1347.48 | -0.52 | 1347.77 | -0.23 | 1347.77 | -0.23 | 1.9399414 | $ 71,537 | 0 | $ - | $ 71,536.97 | 3.0961914 | $ 114,175 | 0 | $ - | $ 114,174.66 |
| 492 | 1321.53 | 1321.78 | Residential | 1339.91 | $ 972,774 | $ 486,387 | 1320.63 | -1.00 | 1320.63 | -1.00 | 1320.71 | -1.00 | 1320.70 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 321 | 1334.36 | 1334.61 | Residential | 10459.22 | $ 7,593,394 | $ 3,796,697 | 961.07 | -1.00 | 961.06 | -1.00 | 1333.64 | -0.97 | 1333.64 | -0.97 | 0 | $ - | 0 | $ - | $ - | 0.125 | $ 9,492 | 0 | $ - | $ 9,491.74 |
| 90 | 1393.57 | 1393.82 | Residential | 10984.74 | $ 7,974,925 | $ 3,987,462 | 1393.79 | -0.03 | 1393.79 | -0.03 | 1393.94 | 0.12 | 1393.93 | 0.12 | 3.88 | $ 309,807 | 0.00 | $ - | $ 309,807.13 | 7.61 | $ 606,667 | 5.05 | $ 201,369 | $ 808,035.48 |
| 474 | 1319.47 | 1319.72 | Residential | 1083.36 | $ 786,522 | $ 393,261 | 485.09 | -1.00 | 485.10 | -1.00 | 485.20 | -1.00 | 485.17 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 484 | 1326.28 | 1326.53 | Residential | 17723.79 | $ 12,867,474 | $ 6,433,737 | 1326.15 | -0.38 | 1326.14 | -0.39 | 1326.45 | -0.08 | 1326.44 | -0.09 | 2.50 | $ 321,310 | 0.00 | $ - | $ 321,309.88 | 3.69 | $ 474,425 | 0.00 | $ - | $ 474,425.28 |
| 138 | 1340.89 | 1341.14 | Residential | 8006.64 | $ 5,812,823 | $ 2,906,411 | 1340.56 | -0.58 | 1340.56 | -0.58 | 1340.78 | -0.36 | 1340.79 | -0.36 | 1.67041016 | $ 97,098 | 0 | $ - | $ 97,097.98 | 2.56445312 | $ 149,067 | 0 | $ - | $ 149,067.12 |
| 29 | 1317.70 | 1317.95 | Residential | 511.14 | $ 371,090 | $ 185,545 | 1197.86 | -1.00 | 1197.85 | -1.00 | 1317.42 | -0.53 | 1317.42 | -0.53 | 0.00 | $ - | 0.00 | $ - | $ - | 1.87 | $ 6,951 | 0.00 | $ - | $ 6,950.69 |
| 231 | 1341.90 | 1342.15 | Residential | 5392.15 | $ 3,914,704 | $ 1,957,352 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 32 | 1318.65 | 1318.90 | Residential | 4524.83 | $ 3,285,027 | $ 1,642,514 | 1318.50 | -0.40 | 1318.50 | -0.40 | 1318.52 | -0.39 | 1318.51 | -0.39 | 2.39 | $ 78,436 | 0.00 | $ - | $ 78,436.44 | 2.45 | $ 80,377 | 0.00 | $ - | $ 80,377.30 |
| 257 | 1333.35 | 1333.60 | Residential | 9422.90 | $ 6,841,023 | $ 3,420,512 | 1333.63 | 0.02 | 1333.63 | 0.02 | 1333.75 | 0.15 | 1333.70 | 0.10 | 4.70 | $ 321,491 | 0.98 | $ 33,495 | $ 354,986.64 | 8.52 | $ 582,539 | 6.32 | $ 216,229 | $ 798,767.93 |
| 491 | 1324.09 | 1324.34 | Residential | 6194.34 | $ 4,497,094 | $ 2,248,547 | 1324.30 | -0.05 | 1324.22 | -0.13 | 1324.68 | 0.34 | 1324.67 | 0.32 | 3.81 | $ 171,342 | 0.00 | $ - | $ 171,341.93 | 14.07 | $ 632,777 | 14.10 | $ 317,025 | $ 949,802.56 |
| 223 | 1340.02 | 1340.27 | Residential | 4310.09 | $ 3,129,127 | $ 1,564,564 | 23.32 | -1.00 | 23.32 | -1.00 | 188.13 | -1.00 | 188.13 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 317 | 1346.67 | 1346.92 | Residential | 5732.43 | $ 4,161,744 | $ 2,080,872 | 1346.85 | -0.06 | 1346.85 | -0.06 | 1346.99 | 0.07 | 1346.99 | 0.07 | 3.74707028 | $ 155,943 | 0 | $ - | $ 155,943.49 | 6.2265625 | $ 259,134 | 3.1171875 | $ 64,865 | $ 323,998.30 |
| 350 | 1325.39 | 1325.64 | Residential | 9207.28 | $ 6,684,486 | $ 3,342,243 | 1325.32 | -0.32 | 1325.28 | -0.36 | 1325.65 | 0.01 | 1325.64 | 0.00 | 2.71 | $ 180,853 | 0.00 | $ - | $ 180,853.20 | 4.20 | $ 280,598 | 0.28 | $ 9,253 | $ 289,851.45 |
| 36 | 1310.52 | 1310.77 | Residential | 5860.59 | $ 4,254,790 | $ 2,127,395 | 1310.41 | -0.37 | 1310.41 | -0.36 | 1310.51 | -0.26 | 1310.51 | -0.27 | 2.54 | $ 108,032 | 0.00 | $ - | $ 108,031.79 | 2.97 | $ 126,293 | 0.00 | $ - | $ 126,293.31 |
| 205 | 1344.40 | 1344.65 | Residential | 10715.30 | $ 7,779,310 | $ 3,889,655 | 1344.06 | -0.59 | 1344.06 | -0.59 | 1344.11 | -0.54 | 1344.11 | -0.54 | 1.6464844 | $ 128,085 | 0 | $ - | $ 128,085.13 | 1.85107424 | $ 144,001 | 0 | $ - | $ 144,000.81 |
| 105 | 1423.56 | 1423.81 | Residential | 7121.88 | $ 5,170,483 | $ 2,585,241 | 1423.11 | -0.70 | 1423.11 | -0.70 | 1423.19 | -0.62 | 1423.19 | -0.62 | 1.21679688 | $ 62,914 | 0 | $ - | $ 62,914.27 | 1.52490236 | $ 78,845 | 0 | $ - | $ 78,844.81 |
| 236 | 1335.02 | 1335.27 | Residential | 7463.86 | $ 5,418,764 | $ 2,709,382 | 772.25 | -1.00 | 772.24 | -1.00 | 1334.27 | -1.00 | 1334.29 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 485 | 1320.88 | 1321.13 | Residential | 7138.89 | $ 5,182,831 | $ 2,591,415 | 1320.54 | -0.59 | 1320.54 | -0.59 | 1320.74 | -0.39 | 1320.68 | -0.45 | 1.66 | $ 85,942 | 0.00 | $ - | $ 85,941.86 | 2.44 | $ 126,585 | 0.00 | $ - | $ 126,584.57 |
| 276 | 1333.43 | 1333.68 | Residential | 582.30 | $ 422,748 | $ 211,374 | 1333.80 | 0.12 | 1333.76 | 0.09 | 1334.00 | 0.32 | 1333.98 | 0.31 | 7.51 | $ 31,757 | 4.92 | $ 10,393 | $ 42,149.40 | 13.55 | $ 57,286 | 13.37 | $ 28,263 | $ 85,548.67 |
| 232 | 1334.12 | 1334.37 | Residential | 6944.69 | $ 5,041,848 | $ 2,520,924 | 742.32 | -1.00 | 742.32 | -1.00 | 1334.19 | -0.18 | 1334.21 | -0.18 | 0 | $ - | 0 | $ - | $ - | 3.27734372 | $ 165,239 | 0 | $ - | $ 165,238.69 |
| 503 | 1335.00 | 1335.25 | Residential | 13617.09 | $ 9,886,006 | $ 4,943,003 | 1334.06 | -1.00 | 1334.06 | -1.00 | 1334.27 | -0.98 | 1334.27 | -0.98 | 0.00 | $ - | 0.00 | $ - | $ - | 0.08 | $ 8,351 | 0.00 | $ - | $ 8,350.97 |
| 64 | 1335.75 | 1336.00 | Residential | 8714.23 | $ 6,326,533 | $ 3,163,267 | 1335.57 | -0.44 | 1335.57 | -0.44 | 1335.61 | -0.39 | 1335.61 | -0.39 | 2.25 | $ 142,440 | 0.00 | $ - | $ 142,439.67 | 2.44 | $ 154,086 | 0.00 | $ - | $ 154,085.68 |
| 182 | 1332.38 | 1332.63 | Residential | 11920.23 | $ 8,654,087 | $ 4,327,044 | 228.28 | -1.00 | 228.27 | -1.00 | 888.27 | -1.00 | 982.05 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 430 | 1362.52 | 1362.77 | Residential | 9532.75 | $ 6,920,775 | $ 3,460,388 | 1360.53 | -1.00 | 1360.54 | -1.00 | 1360.63 | -1.00 | 1360.63 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 184 | 1331.65 | 1331.90 | Residential | 7792.51 | $ 5,657,361 | $ 2,828,681 | 1331.47 | -0.43 | 1331.47 | -0.43 | 1331.63 | -0.27 | 1331.64 | -0.27 | 2.29785156 | $ 129,998 | 0 | $ - | $ 129,997.76 | 2.9350586 | $ 166,047 | 0 | $ - | $ 166,046.86 |
| 204 | 1341.13 | 1341.38 | Residential | 1620.13 | $ 1,176,216 | $ 588,108 | 1341.03 | -0.36 | 1341.03 | -0.36 | 1341.13 | -0.25 | 1341.14 | -0.25 | 2.5791016 | $ 30,336 | 0 | $ - | $ 30,335.79 | 2.99560548 | $ 35,235 | 0 | $ - | $ 35,234.78 |
| 315 | 1338.98 | 1339.23 | Residential | 8432.94 | $ 6,122,312 | $ 3,061,156 | 1339.05 | -0.18 | 1339.05 | -0.18 | 1339.27 | 0.04 | 1339.28 | 0.04 | 3.2993164 | $ 201,994 | 0 | $ - | $ 201,994.44 | 5.1865234 | $ 317,535 | 1.66113276 | $ 50,850 | $ 368,385.00 |
| 449 | 1326.30 | 1326.55 | Residential | 512.23 | $ 371,880 | $ 185,940 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 125 | 1431.44 | 1431.69 | Residential | 10791.68 | $ 7,834,763 | $ 3,917,382 | 1430.37 | -1.00 | 1430.37 | -1.00 | 1430.49 | -1.00 | 1430.49 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 261 | 1344.98 | 1345.23 | Residential | 31570.81 | $ 22,920,407 | $ 11,460,203 | 1344.21 | -1.00 | 913.11 | -1.00 | 1344.65 | -0.58 | 1344.54 | -0.69 | 0.00 | $ - | 0.00 | $ - | $ - | 1.68 | $ 384,655 | 0.00 | $ - | $ 384,655.46 |
| 386 | 1324.50 | 1324.75 | Residential | 4437.01 | $ 3,221,266 | $ 1,610,633 | 228.38 | -1.00 | 228.38 | -1.00 | 1324.11 | -0.64 | 1324.10 | -0.65 | 0.00 | $ - | 0.00 | $ - | $ - | 1.43 | $ 46,023 | 0.00 | $ - | $ 46,022.58 |
| 414 | 1397.75 | 1398.00 | Residential | 6393.90 | $ 4,641,974 | $ 2,320,987 | 1395.84 | -1.00 | 1395.84 | -1.00 | 1396.06 | -1.00 | 1396.06 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 229 | 1338.56 | 1338.81 | Residential | 4433.88 | $ 3,218,996 | $ 1,609,498 | 1338.74 | -0.07 | 1338.74 | -0.07 | 1338.92 | 0.11 | 1338.92 | 0.11 | 3.7319336 | $ 120,131 | 0 | $ - | $ 120,130.81 | 7.2739258 | $ 234,147 | 4.58349612 | $ 73,771 | $ 307,918.69 |
| 431 | 1356.48 | 1356.73 | Residential | 3025.96 | $ 2,196,849 | $ 1,098,424 | 123.92 | -1.00 | 123.92 | -1.00 | 631.20 | -1.00 | 631.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 509 | 1325.09 | 1325.34 | Residential | 15430.55 | $ 11,202,578 | $ 5,601,289 | 1324.71 | -0.63 | 1324.71 | -0.63 | 1324.78 | -0.56 | 1324.78 | -0.56 | 1.49 | $ 166,398 | 0.00 | $ - | $ 166,397.67 | 1.75 | $ 196,483 | 0.00 | $ - | $ 196,482.72 |
| 440 | 1326.41 | 1326.66 | Residential | 5519.16 | $ 4,006,909 | $ 2,003,455 | 0.00 | -1.00 | 0.00 | -1.00 | 1326.24 | -0.42 | 1326.24 | -0.42 | 0.00 | $ - | 0.00 | $ - | $ - | 2.32 | $ 93,012 | 0.00 | $ - | $ 93,011.95 |
| 402 | 1327.14 | 1327.39 | Residential | 1014.49 | $ 736,520 | $ 368,260 | 481.85 | -1.00 | 481.85 | -1.00 | 1326.17 | -1.00 | 1326.17 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 542 | 1337.79 | 1338.04 | Residential | 1862.82 | $ 1,352,407 | $ 676,203 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 416 | 1398.89 | 1399.14 | Residential | 5128.78 | $ 3,723,492 | $ 1,861,746 | 1389.92 | -1.00 | 1389.92 | -1.00 | 1390.58 | -1.00 | 1390.58 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 569 | 1321.58 | 1321.83 | Residential | 6215.34 | $ 4,512,337 | $ 2,256,168 | 1321.17 | -0.67 | 1321.17 | -0.67 | 1321.20 | -0.64 | 1321.20 | -0.64 | 1.32 | $ 59,687 | 0.00 | $ - | $ 59,687.11 | 1.45 | $ 65,283 | 0.00 | $ - | $ 65,283.46 |
| 384 | 1326.34 | 1326.59 | Residential | 13713.92 | $ 9,956,308 | $ 4,978,154 | 1326.19 | -0.40 | 1326.19 | -0.40 | 1326.23 | -0.36 | 1326.23 | -0.36 | 2.42 | $ 240,497 | 0.00 | $ - | $ 240,497.35 | 2.56 | $ 255,179 | 0.00 | $ - | $ 255,179.01 |
| 66 | 1341.15 | 1341.40 | Residential | 7401.01 | $ 5,373,131 | $ 2,686,565 | 1341.20 | -0.20 | 1341.20 | -0.20 | 1341.30 | -0.10 | 1341.30 | -0.10 | 3.20166016 | $ 172,029 | 0 | $ - | $ 172,029.39 | 3.61328128 | $ 194,146 | 0 | $ - | $ 194,146.33 |
| 134 | 1653.63 | 1653.88 | Residential | 8993.07 | $ 6,528,966 | $ 3,264,483 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 94 | 1414.71 | 1414.96 | Residential | 1163.57 | $ 844,755 | $ 422,378 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 87 | 1398.25 | 1398.50 | Residential | 724.88 | $ 526,260 | $ 263,130 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 420 | 1364.99 | 1365.24 | Residential | 4334.78 | $ 3,147,053 | $ 1,573,527 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 85 | 1347.99 | 1348.24 | Residential | 4822.15 | $ 3,500,880 | $ 1,750,440 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 294 | 1346.60 | 1346.85 | Residential | 349.86 | $ 253,997 | $ 126,998 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 243 | 1342.10 | 1342.35 | Residential | 3590.12 | $ 2,606,425 | $ 1,303,213 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 471 | 1339.29 | 1339.54 | Residential | 3984.20 | $ 2,892,527 | $ 1,446,264 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |

## 10-Year and 100-Year Existing Building Damages in Area A

| | | | | | | | | | | | | | | | Existing | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 473 | 1337.74 | 1337.99 | Residential | 5738.70 | $ 4,166,293 | $ 2,083,146 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 70 | 1337.13 | 1337.38 | Residential | 428.49 | $ 311,081 | $ 155,540 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 466 | 1333.18 | 1333.43 | Residential | 4856.25 | $ 3,525,640 | $ 1,762,820 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 247 | 1330.67 | 1330.92 | Residential | 324.60 | $ 235,659 | $ 117,830 | 1329.61 | -1.00 | 1329.61 | -1.00 | 0.00 | -1.00 | 1331.19 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 486 | 1328.38 | 1328.63 | Residential | 10080.08 | $ 7,318,139 | $ 3,659,070 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 418 | 1326.27 | 1326.52 | Residential | 642.45 | $ 466,418 | $ 233,209 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 577 | 1325.04 | 1325.29 | Residential | 6459.08 | $ 4,689,290 | $ 2,344,645 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 273 | 1343.59 | 1343.84 | Residential | 2568.08 | $ 1,864,428 | $ 932,214 | 64.58 | -1.00 | 64.58 | -1.00 | 86.11 | -1.00 | 86.12 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 562 | 1318.27 | 1318.52 | Residential | 6529.13 | $ 4,740,151 | $ 2,370,076 | 0.00 | -1.00 | 0.00 | -1.00 | 68.31 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 201 | 1336.36 | 1336.61 | Residential | 10297.53 | $ 7,476,003 | $ 3,738,002 | 153.83 | -1.00 | 153.83 | -1.00 | 153.83 | -1.00 | 153.84 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 245 | 1340.43 | 1340.68 | Residential | 941.45 | $ 683,496 | $ 341,748 | 0.00 | -1.00 | 0.00 | -1.00 | 213.48 | -1.00 | 213.49 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 305 | 1341.91 | 1342.16 | Residential | 6338.38 | $ 4,601,667 | $ 2,300,833 | 216.16 | -1.00 | 216.16 | -1.00 | 216.17 | -1.00 | 216.17 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 372 | 1326.69 | 1326.94 | Residential | 1276.52 | $ 926,755 | $ 463,378 | 0.00 | -1.00 | 0.00 | -1.00 | 206.81 | -1.00 | 206.82 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 226 | 1098.42 | 1098.67 | Residential | 691.10 | $ 501,735 | $ 250,868 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 6 | 1318.58 | 1318.83 | Residential | 8429.50 | $ 6,119,817 | $ 3,059,909 | 220.78 | -1.00 | 220.78 | -1.00 | 220.79 | -1.00 | 220.79 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 513 | 1335.01 | 1335.26 | Residential | 526.95 | $ 382,565 | $ 191,282 | 0.00 | -1.00 | 0.00 | -1.00 | 252.12 | -1.00 | 252.12 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 47 | 1318.51 | 1318.76 | Residential | 5281.01 | $ 3,834,015 | $ 1,917,007 | 349.96 | -1.00 | 349.96 | -1.00 | 349.97 | -1.00 | 349.97 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 31 | 1318.31 | 1318.56 | Residential | 924.64 | $ 671,292 | $ 335,646 | 175.74 | -1.00 | 175.73 | -1.00 | 392.23 | -1.00 | 392.23 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 175 | 1346.66 | 1346.91 | Residential | 1148.33 | $ 833,687 | $ 416,843 | 0.00 | -1.00 | 0.00 | -1.00 | 444.16 | -1.00 | 444.16 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 248 | 1340.61 | 1340.86 | Residential | 2664.64 | $ 1,934,529 | $ 967,265 | 0.00 | -1.00 | 0.00 | -1.00 | 442.03 | -1.00 | 442.04 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 250 | 1341.47 | 1341.72 | Residential | 7701.93 | $ 5,591,604 | $ 2,795,802 | 0.00 | -1.00 | 0.00 | -1.00 | 460.08 | -1.00 | 460.08 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 576 | 1331.62 | 1331.87 | Residential | 617.80 | $ 448,524 | $ 224,262 | 505.16 | -1.00 | 505.17 | -1.00 | 505.22 | -1.00 | 505.23 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 570 | 1320.14 | 1320.39 | Residential | 11790.86 | $ 8,560,166 | $ 4,280,083 | 506.07 | -1.00 | 505.97 | -1.00 | 506.25 | -1.00 | 506.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 523 | 1326.63 | 1326.88 | Residential | 7607.83 | $ 5,523,283 | $ 2,761,642 | 524.98 | -1.00 | 524.98 | -1.00 | 525.04 | -1.00 | 525.05 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 202 | 1275.49 | 1275.74 | Residential | 2124.08 | $ 1,542,082 | $ 771,041 | 0.00 | -1.00 | 0.00 | -1.00 | 477.18 | -1.00 | 477.19 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 9 | 763.59 | 763.84 | Residential | 417.29 | $ 302,950 | $ 151,475 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 52 | 1346.47 | 1346.72 | Residential | 7442.51 | $ 5,403,259 | $ 2,701,630 | 149.36 | -1.00 | 149.36 | -1.00 | 599.70 | -1.00 | 599.70 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 136 | 1341.26 | 1341.51 | Residential | 8006.87 | $ 5,812,987 | $ 2,906,493 | 266.48 | -1.00 | 266.48 | -1.00 | 623.67 | -1.00 | 623.66 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 357 | 1322.47 | 1322.72 | Residential | 4760.72 | $ 3,456,285 | $ 1,728,142 | 0.00 | -1.00 | 0.00 | -1.00 | 618.21 | -1.00 | 618.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 23 | 1316.47 | 1316.72 | Residential | 5702.06 | $ 4,139,693 | $ 2,069,847 | 619.59 | -1.00 | 619.59 | -1.00 | 619.65 | -1.00 | 619.64 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 137 | 1343.10 | 1343.35 | Residential | 12613.34 | $ 9,157,283 | $ 4,578,641 | 692.83 | -1.00 | 692.83 | -1.00 | 692.84 | -1.00 | 692.84 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 475 | 1322.99 | 1323.24 | Residential | 4541.68 | $ 3,297,259 | $ 1,648,629 | 83.56 | -1.00 | 83.56 | -1.00 | 688.76 | -1.00 | 688.75 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 249 | 1339.78 | 1340.03 | Residential | 5162.03 | $ 3,747,637 | $ 1,873,818 | 758.09 | -1.00 | 758.09 | -1.00 | 758.09 | -1.00 | 758.09 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 1 | 1317.42 | 1317.67 | Residential | 1455.68 | $ 1,056,823 | $ 528,411 | 747.59 | -1.00 | 747.60 | -1.00 | 747.62 | -1.00 | 747.63 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 494 | 1321.28 | 1321.53 | Residential | 1256.14 | $ 911,959 | $ 455,980 | 754.22 | -1.00 | 754.23 | -1.00 | 754.23 | -1.00 | 754.24 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |

## 10-Year and 100-Year Proposed Building Damages in Area A

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 198 | 1331.10 | 1331.35 | Residential | 7479.12 | $ 5,429,839 | $ 2,714,920 | 1331.08 | -0.27 | 1331.08 | -0.27 | 1331.18 | -0.17 | 1331.18 | -0.17 | 2.92724608 | $ 158,945 | 0 | $ - | $ 158,944.76 | 3.31542968 | $ 180,023 | 0 | $ - | $ 180,022.50 |
| 528 | 1335.72 | 1335.97 | Residential | 10191.57 | $ 7,399,081 | $ 3,699,541 | 1335.76 | -0.21 | 1335.76 | -0.21 | 1335.81 | -0.16 | 1335.81 | -0.16 | 3.16796876 | $ 234,401 | 0 | $ - | $ 234,400.58 | 3.37207032 | $ 249,502 | 0 | $ - | $ 249,502.22 |
| 121 | 1525.48 | 1525.73 | Residential | 406.99 | $ 295,472 | $ 147,736 | 0.00 | -1.00 | 0.00 | -1.00 | 1166.47 | -1.00 | 1166.47 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 538 | 1327.24 | 1327.49 | Residential | 2669.28 | $ 1,937,899 | $ 968,950 | 1327.36 | -0.14 | 1327.19 | -0.30 | 1328.06 | 0.57 | 1327.66 | 0.16 | 2.78 | $ 53,955 | 0.00 | $ - | $ 53,954.59 | 8.85 | $ 171,478 | 6.79 | $ 65,773 | $ 237,250.71 |
| 470 | 1333.16 | 1333.41 | Residential | 1558.25 | $ 1,131,291 | $ 565,645 | 974.14 | -1.00 | 974.13 | -1.00 | 1333.04 | -0.37 | 1333.04 | -0.37 | 0 | $ - | 0 | $ - | $ - | 2.50341796 | $ 28,321 | 0 | $ - | $ 28,320.94 |
| 262 | 1340.41 | 1340.66 | Residential | 8866.52 | $ 6,437,090 | $ 3,218,545 | 1340.38 | -0.28 | 1340.38 | -0.28 | 1340.47 | -0.19 | 1340.46 | -0.20 | 2.88 | $ 185,255 | 0.00 | $ - | $ 185,254.93 | 3.21 | $ 206,502 | 0.00 | $ - | $ 206,502.35 |
| 61 | 1333.57 | 1333.82 | Residential | 2138.95 | $ 1,552,880 | $ 776,440 | 1279.33 | -1.00 | 1279.30 | -1.00 | 1334.09 | 0.27 | 1334.06 | 0.24 | 0.00 | $ - | 0.00 | $ - | $ - | 11.31 | $ 175,681 | 10.24 | $ 79,496 | $ 255,176.89 |
| 51 | 1341.97 | 1342.22 | Residential | 8818.57 | $ 6,402,284 | $ 3,201,142 | 1342.64 | 0.42 | 1342.58 | 0.36 | 1343.07 | 0.84 | 1343.04 | 0.82 | 14.83 | $ 949,151 | 15.16 | $ 485,142 | $ 1,434,293.06 | 28.47 | $ 1,822,744 | 34.26 | $ 1,096,657 | $ 2,919,401.09 |
| 59 | 1343.56 | 1343.81 | Residential | 1029.42 | $ 747,360 | $ 373,680 | 1344.22 | 0.41 | 1344.05 | 0.24 | 1344.65 | 0.84 | 1344.54 | 0.73 | 11.11 | $ 83,018 | 9.95 | $ 37,186 | $ 120,204.36 | 25.87 | $ 193,343 | 30.62 | $ 114,414 | $ 307,756.88 |
| 274 | 1339.51 | 1339.76 | Residential | 2963.81 | $ 2,151,726 | $ 1,075,863 | 1340.25 | 0.49 | 1340.19 | 0.43 | 1340.72 | 0.96 | 1340.68 | 0.92 | 16.89 | $ 363,361 | 18.04 | $ 194,105 | $ 557,465.73 | 31.56 | $ 679,028 | 38.58 | $ 415,071 | $ 1,094,099.74 |
| 195 | 1331.08 | 1331.33 | Residential | 5775.30 | $ 4,192,867 | $ 2,096,433 | 1048.47 | -1.00 | 1048.48 | -1.00 | 1331.17 | -0.16 | 1331.19 | -0.16 | 0 | $ - | 0 | $ - | $ - | 3.35888672 | $ 140,834 | 0 | $ - | $ 140,833.64 |
| 537 | 1317.88 | 1318.13 | Residential | 11429.48 | $ 8,297,801 | $ 4,148,901 | 871.71 | -1.00 | 871.70 | -1.00 | 1317.76 | -0.37 | 1317.74 | -0.39 | 0.00 | $ - | 0.00 | $ - | $ - | 2.43 | $ 202,016 | 0.00 | $ - | $ 202,015.80 |
| 360 | 1323.97 | 1324.22 | Residential | 1063.36 | $ 772,000 | $ 386,000 | 1324.61 | 0.38 | 1324.58 | 0.36 | 1324.89 | 0.66 | 1324.88 | 0.66 | 14.77 | $ 114,055 | 15.08 | $ 58,222 | $ 172,276.96 | 23.81 | $ 183,800 | 27.73 | $ 107,044 | $ 290,844.71 |
| 338 | 1320.98 | 1321.23 | Residential | 3049.31 | $ 2,213,799 | $ 1,106,900 | 787.52 | -1.00 | 787.51 | -1.00 | 787.54 | -1.00 | 787.53 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 60 | 1333.08 | 1333.33 | Residential | 7401.44 | $ 5,373,442 | $ 2,686,721 | 289.24 | -1.00 | 289.23 | -1.00 | 289.27 | -1.00 | 289.26 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 413 | 1455.19 | 1455.44 | Residential | 9053.91 | $ 6,573,135 | $ 3,286,568 | 0.00 | -1.00 | 0.00 | -1.00 | 736.98 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 158 | 1332.06 | 1332.31 | Residential | 13840.34 | $ 10,048,089 | $ 5,024,045 | 1332.44 | 0.13 | 1332.44 | 0.13 | 1332.62 | 0.31 | 1332.63 | 0.31 | 7.8232423 | $ 786,086 | 5.35253922 | $ 268,914 | $ 1,055,000.31 | 13.2907714 | $ 1,335,469 | 13.00707996 | $ 653,481 | $ 1,988,950.04 |
| 238 | 1335.27 | 1335.52 | Residential | 6338.22 | $ 4,601,549 | $ 2,300,774 | 100.03 | -1.00 | 100.03 | -1.00 | 1335.16 | -0.36 | 1335.16 | -0.36 | 0 | $ - | 0 | $ - | $ - | 2.5493164 | $ 117,308 | 0 | $ - | $ 117,308.03 |
| 349 | 1324.98 | 1325.23 | Residential | 7393.78 | $ 5,367,884 | $ 2,683,942 | 673.55 | -1.00 | 673.54 | -1.00 | 783.59 | -1.00 | 783.57 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 27 | 1316.52 | 1316.77 | Residential | 7472.12 | $ 5,424,758 | $ 2,712,379 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 405 | 1326.51 | 1326.76 | Residential | 1009.50 | $ 732,896 | $ 366,448 | 355.52 | -1.00 | 355.52 | -1.00 | 355.55 | -1.00 | 355.55 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 141 | 1342.43 | 1342.68 | Residential | 7243.14 | $ 5,258,522 | $ 2,629,261 | 874.65 | -1.00 | 874.65 | -1.00 | 874.66 | -1.00 | 874.67 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 146 | 1338.37 | 1338.62 | Residential | 15504.94 | $ 11,256,588 | $ 5,628,294 | 1338.87 | 0.25 | 1338.88 | 0.25 | 1339.19 | 0.57 | 1339.21 | 0.57 | 11.5 | $ 1,294,508 | 10.5 | $ 590,971 | $ 1,885,478.44 | 21.244873 | $ 2,391,448 | 24.1428222 | $ 1,358,829 | $ 3,750,276.74 |
| 72 | 1351.63 | 1351.88 | Residential | 11007.51 | $ 7,991,454 | $ 3,995,727 | 1351.32 | -0.57 | 1351.32 | -0.57 | 1351.37 | -0.51 | 1351.37 | -0.51 | 1.73583984 | $ 138,719 | 0 | $ - | $ 138,718.84 | 1.95458984 | $ 156,200 | 0 | $ - | $ 156,200.14 |
| 254 | 1345.68 | 1345.93 | Residential | 1895.39 | $ 1,376,051 | $ 688,025 | 0.00 | -1.00 | 0.00 | -1.00 | 753.45 | -1.00 | 753.45 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 565 | 1332.50 | 1332.75 | Residential | 6624.03 | $ 4,809,043 | $ 2,404,522 | 1332.28 | -0.47 | 1332.28 | -0.47 | 1332.63 | -0.13 | 1332.33 | -0.43 | 2.11 | $ 101,535 | 0.00 | $ - | $ 101,534.68 | 2.29 | $ 110,105 | 0.00 | $ - | $ 110,105.49 |
| 169 | 1332.68 | 1332.93 | Residential | 10483.42 | $ 7,610,964 | $ 3,805,482 | 518.50 | -1.00 | 518.50 | -1.00 | 1332.76 | -0.17 | 1332.76 | -0.17 | 0 | $ - | 0 | $ - | $ - | 3.3017578 | $ 251,296 | 0 | $ - | $ 251,295.59 |
| 286 | 1349.36 | 1349.61 | Residential | 7943.75 | $ 5,767,160 | $ 2,883,580 | 1349.40 | -0.20 | 1349.40 | -0.20 | 1349.42 | -0.18 | 1349.42 | -0.18 | 3.19 | $ 184,251 | 0.00 | $ - | $ 184,250.62 | 3.26 | $ 188,137 | 0.00 | $ - | $ 188,136.69 |
| 373 | 1322.46 | 1322.71 | Residential | 7149.90 | $ 5,190,828 | $ 2,595,414 | 1322.63 | -0.08 | 1322.58 | -0.13 | 1322.97 | 0.26 | 1322.96 | 0.25 | 3.47 | $ 180,133 | 0.00 | $ - | $ 180,132.90 | 11.50 | $ 596,755 | 10.49 | $ 272,385 | $ 869,140.61 |
| 400 | 1328.18 | 1328.43 | Residential | 9066.93 | $ 6,582,588 | $ 3,291,294 | 568.20 | -1.00 | 568.20 | -1.00 | 568.33 | -1.00 | 568.33 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 280 | 1330.76 | 1331.01 | Residential | 4647.57 | $ 3,374,137 | $ 1,687,068 | 1330.98 | -0.03 | 1330.95 | -0.06 | 1331.20 | 0.20 | 1331.19 | 0.18 | 3.77 | $ 127,074 | 0.00 | $ - | $ 127,073.80 | 9.48 | $ 319,818 | 7.67 | $ 129,397 | $ 449,214.88 |
| 144 | 1336.17 | 1336.42 | Residential | 7180.50 | $ 5,213,041 | $ 2,606,520 | 1336.51 | 0.08 | 1336.51 | 0.08 | 1336.72 | 0.30 | 1336.73 | 0.30 | 6.4023436 | $ 333,757 | 3.36328104 | $ 87,665 | $ 421,421.38 | 12.9831541 | $ 676,817 | 12.57641574 | $ 327,807 | $ 1,004,623.93 |
| 525 | 1326.25 | 1326.50 | Residential | 19943.97 | $ 14,479,323 | $ 7,239,662 | 1165.30 | -1.00 | 1165.29 | -1.00 | 1326.23 | -0.27 | 1326.02 | -0.48 | 0.00 | $ - | 0.00 | $ - | $ - | 2.06 | $ 298,848 | 0.00 | $ - | $ 298,848.14 |
| 404 | 1322.82 | 1323.07 | Residential | 5577.85 | $ 4,049,522 | $ 2,024,761 | 1322.62 | -0.45 | 1322.60 | -0.47 | 1322.96 | -0.11 | 1322.95 | -0.11 | 2.14 | $ 86,586 | 0.00 | $ - | $ 86,586.21 | 3.55 | $ 143,612 | 0.00 | $ - | $ 143,611.71 |
| 89 | 1369.74 | 1369.99 | Residential | 10864.86 | $ 7,887,890 | $ 3,943,945 | 736.76 | -1.00 | 736.75 | -1.00 | 736.78 | -1.00 | 736.77 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 555 | 1330.05 | 1330.30 | Residential | 6177.14 | $ 4,484,601 | $ 2,242,300 | 690.87 | -1.00 | 690.63 | -1.00 | 1329.38 | -0.92 | 690.95 | -1.00 | 0.00 | $ - | 0.00 | $ - | $ - | 0.00 | $ - | 0.00 | $ - | $ - |
| 328 | 1382.11 | 1382.36 | Residential | 5083.66 | $ 3,690,738 | $ 1,845,369 | 0.00 | -1.00 | 0.00 | -1.00 | 1062.62 | -1.00 | 1062.61 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 544 | 1317.89 | 1318.14 | Residential | 1064.51 | $ 772,835 | $ 386,417 | 0.00 | -1.00 | 0.00 | -1.00 | 863.13 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 269 | 1343.78 | 1344.03 | Residential | 1292.67 | $ 938,479 | $ 469,239 | 766.99 | -1.00 | 0.00 | -1.00 | 767.16 | -1.00 | 767.11 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 163 | 1341.77 | 1342.02 | Residential | 767.27 | $ 557,041 | $ 278,521 | 0.00 | -1.00 | 0.00 | -1.00 | 900.61 | -1.00 | 900.61 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 551 | 1327.07 | 1327.32 | Residential | 11720.01 | $ 8,508,728 | $ 4,254,364 | 1326.26 | -1.00 | 915.96 | -1.00 | 1326.52 | -0.80 | 1326.34 | -0.98 | 0.00 | $ - | 0.00 | $ - | $ - | 0.08 | $ 7,188 | 0.00 | $ - | $ 7,187.55 |
| 271 | 1331.69 | 1331.94 | Residential | 3774.99 | $ 2,740,645 | $ 1,370,322 | 1331.91 | -0.04 | 1331.90 | -0.04 | 1332.06 | 0.12 | 1332.04 | 0.10 | 3.85 | $ 105,531 | 0.00 | $ - | $ 105,530.89 | 7.02 | $ 192,327 | 4.22 | $ 57,891 | $ 250,217.67 |
| 385 | 1323.06 | 1323.31 | Residential | 6452.90 | $ 4,684,808 | $ 2,342,404 | 1322.62 | -0.69 | 1322.57 | -0.74 | 1322.96 | -0.35 | 1322.95 | -0.36 | 1.04 | $ 48,953 | 0.00 | $ - | $ 48,952.58 | 2.57 | $ 120,368 | 0.00 | $ - | $ 120,368.45 |
| 460 | 1321.03 | 1321.28 | Residential | 1265.95 | $ 919,080 | $ 459,540 | 0.00 | -1.00 | 0.00 | -1.00 | 1321.13 | -0.15 | 1321.13 | -0.15 | 0 | $ - | 0 | $ - | $ - | 3.38769532 | $ 31,136 | 0 | $ - | $ 31,135.64 |
| 524 | 1332.22 | 1332.47 | Residential | 10676.48 | $ 7,751,124 | $ 3,875,562 | 1332.37 | -0.10 | 1332.37 | -0.10 | 1332.55 | 0.08 | 1332.56 | 0.08 | 3.58593752 | $ 277,950 | 0 | $ - | $ 277,950.48 | 6.5341798 | $ 506,472 | 3.54785172 | $ 137,499 | $ 643,971.60 |
| 307 | 1348.84 | 1349.09 | Residential | 7855.95 | $ 5,703,422 | $ 2,851,711 | 1348.80 | -0.29 | 1348.80 | -0.29 | 1348.82 | -0.27 | 1348.82 | -0.27 | 2.85 | $ 162,609 | 0.00 | $ - | $ 162,608.80 | 2.91 | $ 166,062 | 0.00 | $ - | $ 166,062.04 |
| 346 | 1321.84 | 1322.09 | Residential | 2195.05 | $ 1,593,607 | $ 796,803 | 1273.33 | -1.00 | 1273.33 | -1.00 | 1273.38 | -1.00 | 1273.38 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 120 | 1384.09 | 1384.34 | Residential | 13591.52 | $ 9,867,443 | $ 4,933,721 | 1382.97 | -1.00 | 1383.03 | -1.00 | 1383.41 | -0.93 | 1383.38 | -0.97 | 0.00 | $ - | 0.00 | $ - | $ - | 0.14 | $ 13,683 | 0.00 | $ - | $ 13,683.37 |
| 500 | 1317.50 | 1317.75 | Residential | 1672.89 | $ 1,214,517 | $ 607,259 | 1317.67 | -0.09 | 1317.67 | -0.09 | 1317.79 | 0.04 | 1317.80 | 0.04 | 3.64355468 | $ 44,252 | 0 | $ - | $ 44,251.60 | 5.2194826 | $ 63,392 | 1.70727564 | $ 10,368 | $ 73,759.09 |
| 282 | 1341.63 | 1341.88 | Residential | 8841.63 | $ 6,419,026 | $ 3,209,513 | 0.00 | -1.00 | 0.00 | -1.00 | 770.21 | -1.00 | 770.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 563 | 1331.78 | 1332.03 | Residential | 6237.47 | $ 4,528,402 | $ 2,264,201 | 1332.30 | 0.27 | 1331.80 | -0.23 | 1332.80 | 0.77 | 1332.35 | 0.32 | 3.07 | $ 139,191 | 0.00 | $ - | $ 139,190.88 | 13.74 | $ 622,091 | 13.63 | $ 308,669 | $ 930,760.23 |
| 18 | 1309.78 | 1310.03 | Residential | 700.48 | $ 508,551 | $ 254,276 | 1310.13 | 0.10 | 1310.08 | 0.05 | 1310.35 | 0.32 | 1310.31 | 0.28 | 5.45 | $ 27,698 | 2.03 | $ 5,149 | $ 32,847.87 | 12.35 | $ 62,823 | 11.69 | $ 29,736 | $ 92,559.20 |
| 53 | 1338.91 | 1339.16 | Residential | 9128.88 | $ 6,627,566 | $ 3,313,783 | 1339.02 | -0.14 | 1339.02 | -0.14 | 1339.06 | -0.10 | 1339.06 | -0.11 | 3.45 | $ 228,437 | 0.00 | $ - | $ 228,437.43 | 3.58 | $ 236,981 | 0.00 | $ - | $ 236,980.78 |
| 191 | 1331.67 | 1331.92 | Residential | 8250.07 | $ 5,989,549 | $ 2,994,774 | 1331.09 | -0.83 | 1331.09 | -0.83 | 1331.20 | -0.72 | 1331.22 | -0.72 | 0.69970704 | $ 41,909 | 0 | $ - | $ 41,909.29 | 1.12890628 | $ 67,616 | 0 | $ - | $ 67,616.39 |
| 164 | 1344.25 | 1344.50 | Residential | 7496.39 | $ 5,442,379 | $ 2,721,189 | 0.00 | -1.00 | 0.00 | -1.00 | 755.26 | -1.00 | 755.27 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 258 | 1331.78 | 1332.03 | Residential | 8405.13 | $ 6,102,124 | $ 3,051,062 | 1331.51 | -0.52 | 1331.51 | -0.52 | 1331.88 | -0.15 | 1331.80 | -0.23 | 1.92 | $ 116,858 | 0.00 | $ - | $ 116,858.06 | 3.07 | $ 187,354 | 0.00 | $ - | $ 187,354.28 |
| 482 | 1324.13 | 1324.38 | Residential | 4767.85 | $ 3,461,462 | $ 1,730,731 | 1324.29 | -0.09 | 1324.21 | -0.17 | 1324.68 | 0.30 | 1324.66 | 0.28 | 3.34 | $ 115,574 | 0.00 | $ - | $ 115,573.63 | 12.48 | $ 431,914 | 11.87 | $ 205,419 | $ 637,332.46 |
| 112 | 1371.29 | 1371.54 | Residential | 6684.88 | $ 4,853,225 | $ 2,426,612 | 1370.55 | -0.99 | 1370.55 | -0.99 | 1370.82 | -0.72 | 1370.82 | -0.72 | 0.04 | $ 1,896 | 0.00 | $ - | $ 1,895.79 | 1.11 | $ 53,698 | 0.00 | $ - | $ 53,698.28 |
| 540 | 1319.37 | 1319.62 | Residential | 12604.81 | $ 9,151,093 | $ 4,575,547 | 0.00 | -1.00 | 0.00 | -1.00 | 637.48 | -1.00 | 637.40 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 375 | 1325.37 | 1325.62 | Residential | 7943.12 | $ 5,766,706 | $ 2,883,353 | 414.68 | -1.00 | 414.68 | -1.00 | 414.73 | -1.00 | 414.73 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 526 | 1326.54 | 1326.79 | Residential | 723.15 | $ 525,003 | $ 262,502 | 0.00 | -1.00 | 0.00 | -1.00 | 773.77 | -1.00 | 113.99 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 170 | 1342.44 | 1342.69 | Residential | 676.25 | $ 490,958 | $ 245,479 | 978.28 | -1.00 | 978.29 | -1.00 | 1341.92 | -0.76 | 1341.94 | -0.76 | 0 | $ - | 0 | $ - | $ - | 0.9448242 | $ 4,639 | 0 | $ - | $ 4,638.69 |
| 167 | 1346.13 | 1346.38 | Residential | 8580.62 | $ 6,229,533 | $ 3,114,767 | 1346.37 | -0.01 | 1346.37 | -0.01 | 1346.72 | 0.34 | 1346.72 | 0.34 | 3.96 | $ 246,626 | 0.00 | $ - | $ 246,626.24 | 14.25 | $ 887,952 | 14.36 | $ 447,139 | $ 1,335,091.16 |
| 534 | 1329.33 | 1329.58 | Residential | 639.16 | $ 464,030 | $ 232,015 | 0.00 | -1.00 | 0.00 | -1.00 | 32.18 | -1.00 | 32.18 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 3 | 1317.03 | 1317.28 | Residential | 12624.49 | $ 9,165,380 | $ 4,582,690 | 1316.84 | -0.43 | 1316.84 | -0.43 | 1316.87 | -0.41 | 1316.87 | -0.41 | 2.26 | $ 207,385 | 0.00 | $ - | $ 207,384.63 | 2.35 | $ 215,843 | 0.00 | $ - | $ 215,842.91 |
| 129 | 1494.88 | 1495.13 | Residential | 8054.19 | $ 5,847,340 | $ 2,923,670 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 487 | 1329.29 | 1329.54 | Residential | 7301.80 | $ 5,301,110 | $ 2,650,555 | 1328.95 | -0.58 | 1328.95 | -0.58 | 1328.98 | -0.56 | 1328.98 | -0.56 | 1.66 | $ 88,058 | 0.00 | $ - | $ 88,058.48 | 1.75 | $ 92,873 | 0.00 | $ - | $ 92,872.96 |
| 505 | 1334.49 | 1334.74 | Residential | 1851.91 | $ 1,344,488 | $ 672,244 | 801.65 | -1.00 | 801.65 | -1.00 | 801.67 | -1.00 | 801.66 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 299 | 1334.10 | 1334.35 | Residential | 12457.47 | $ 9,044,127 | $ 4,522,063 | 1334.08 | -0.27 | 1334.08 | -0.27 | 1334.36 | 0.01 | 1334.33 | -0.02 | 2.92 | $ 263,684 | 0.00 | $ - | $ 263,683.99 | 3.92 | $ 354,655 | 0.00 | $ - | $ 354,655.18 |
| 206 | 1330.94 | 1331.19 | Residential | 6811.92 | $ 4,945,451 | $ 2,472,726 | 1331.01 | -0.18 | 1331.01 | -0.18 | 1331.29 | 0.10 | 1331.30 | 0.10 | 3.28271484 | $ 162,345 | 0 | $ - | $ 162,345.06 | 7.0578613 | $ 349,043 | 4.28100582 | $ 105,858 | $ 454,900.63 |
| 443 | 1325.91 | 1326.16 | Residential | 6111.80 | $ 4,437,165 | $ 2,218,582 | 1324.48 | -1.00 | 1324.47 | -1.00 | 1324.59 | -1.00 | 1324.59 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 39 | 1317.80 | 1318.05 | Residential | 5414.14 | $ 3,930,662 | $ 1,965,331 | 1317.89 | -0.16 | 1317.89 | -0.16 | 1317.93 | -0.13 | 1317.93 | -0.13 | 3.37 | $ 132,276 | 0.00 | $ - | $ 132,276.00 | 3.49 | $ 137,132 | 0.00 | $ - | $ 137,131.75 |
| 502 | 1319.37 | 1319.62 | Residential | 2781.41 | $ 2,019,305 | $ 1,009,652 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 111 | 1379.55 | 1379.80 | Residential | 7498.79 | $ 5,444,124 | $ 2,722,062 | 1379.10 | -0.70 | 1379.09 | -0.71 | 1379.30 | -0.50 | 1379.30 | -0.50 | 1.18 | $ 64,197 | 0.00 | $ - | $ 64,197.06 | 1.99 | $ 108,457 | 0.00 | $ - | $ 108,457.15 |
| 438 | 1340.20 | 1340.45 | Residential | 6215.27 | $ 4,512,285 | $ 2,256,142 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 1340.16 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 333 | 1324.71 | 1324.96 | Residential | 1601.10 | $ 1,162,399 | $ 581,200 | 1324.96 | 0.00 | 1324.89 | -0.07 | 1325.36 | 0.40 | 1325.32 | 0.36 | 3.72 | $ 43,244 | 0.00 | $ - | $ 43,243.75 | 14.80 | $ 171,987 | 15.11 | $ 87,844 | $ 259,831.40 |
| 173 | 1336.89 | 1337.14 | Residential | 10216.91 | $ 7,417,477 | $ 3,708,738 | 0.00 | -1.00 | 0.00 | -1.00 | 1335.14 | -1.00 | 1335.14 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 580 | 1433.33 | 1433.58 | Residential | 2372.25 | $ 1,722,254 | $ 861,127 | 1431.31 | -1.00 | 1431.31 | -1.00 | 1431.40 | -1.00 | 1431.39 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 193 | 1330.91 | 1331.16 | Residential | 388.64 | $ 282,149 | $ 141,075 | 1331.13 | -0.03 | 1331.13 | -0.03 | 1331.32 | 0.16 | 1331.34 | 0.16 | 3.8666992 | $ 10,910 | 0 | $ - | $ 10,909.85 | 8.9182129 | $ 25,163 | 6.88549806 | $ 9,714 | $ 34,876.33 |
| 313 | 1344.58 | 1344.83 | Residential | 4545.76 | $ 3,300,219 | $ 1,650,110 | 0.00 | -1.00 | 0.00 | -1.00 | 1344.11 | -0.72 | 1344.25 | -0.72 | 0 | $ - | 0 | $ - | $ - | 1.12353516 | $ 37,079 | 0 | $ - | $ 37,079.12 |

## 10-Year and 100-Year Proposed Building Damages in Area A

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 30 | 1319.25 | 1319.50 | Residential | 8650.86 | $ 6,280,523 | $ 3,140,262 | 1319.31 | -0.19 | 1319.31 | -0.19 | 1319.34 | -0.16 | 1319.34 | -0.16 | 3.25 | $ 204,240 | 0.00 | $ - | $ 204,239.66 | 3.35 | $ 210,557 | 0.00 | $ - | $ 210,556.99 |
| 265 | 1336.62 | 1336.87 | Residential | 9275.89 | $ 6,734,294 | $ 3,367,147 | 453.05 | -1.00 | 453.06 | -1.00 | 453.06 | -1.00 | 453.07 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 278 | 1329.33 | 1329.58 | Residential | 9887.56 | $ 7,178,367 | $ 3,589,183 | 1329.54 | -0.04 | 1329.52 | -0.06 | 1329.70 | 0.13 | 1329.69 | 0.11 | 3.77 | $ 270,836 | 0.00 | $ - | $ 270,836.13 | 7.42 | $ 532,664 | 4.79 | $ 171,871 | $ 704,534.95 |
| 8 | 1314.25 | 1314.50 | Residential | 4845.72 | $ 3,517,990 | $ 1,758,995 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 288 | 1341.77 | 1342.02 | Residential | 7520.30 | $ 5,459,739 | $ 2,729,869 | 1341.76 | -0.26 | 1341.76 | -0.26 | 1341.78 | -0.24 | 1341.78 | -0.24 | 2.95 | $ 160,886 | 0.00 | $ - | $ 160,886.34 | 3.06 | $ 166,858 | 0.00 | $ - | $ 166,857.93 |
| 415 | 1359.67 | 1359.92 | Residential | 361.17 | $ 262,212 | $ 131,106 | 0.00 | -1.00 | 0.00 | -1.00 | 378.48 | -1.00 | 378.49 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 35 | 1317.85 | 1318.10 | Residential | 7080.65 | $ 5,140,551 | $ 2,570,275 | 803.86 | -1.00 | 803.87 | -1.00 | 1317.85 | -0.25 | 1317.85 | -0.25 | 0 | $ - | 0 | $ - | $ - | 2.99365232 | $ 153,890 | 0 | $ - | $ 153,890.22 |
| 279 | 1336.73 | 1336.98 | Residential | 7751.73 | $ 5,627,755 | $ 2,813,877 | 1336.39 | -0.59 | 1336.32 | -0.66 | 1336.98 | 0.00 | 1336.96 | -0.02 | 1.36 | $ 76,695 | 0.00 | $ - | $ 76,694.65 | 3.90 | $ 219,642 | 0.00 | $ - | $ 219,641.82 |
| 399 | 1329.62 | 1329.87 | Residential | 9065.18 | $ 6,581,319 | $ 3,290,660 | 766.63 | -1.00 | 766.63 | -1.00 | 766.71 | -1.00 | 766.72 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 42 | 1323.17 | 1323.42 | Residential | 7002.87 | $ 5,084,085 | $ 2,542,043 | 1323.12 | -0.30 | 1323.12 | -0.30 | 1323.18 | -0.24 | 1323.18 | -0.24 | 2.80 | $ 142,295 | 0.00 | $ - | $ 142,294.81 | 3.04 | $ 154,434 | 0.00 | $ - | $ 154,434.06 |
| 57 | 1341.09 | 1341.34 | Residential | 7023.87 | $ 5,099,331 | $ 2,549,666 | 743.98 | -1.00 | 743.97 | -1.00 | 759.64 | -1.00 | 759.62 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 397 | 1327.07 | 1327.32 | Residential | 9177.64 | $ 6,662,967 | $ 3,331,483 | 1326.82 | -0.50 | 1326.82 | -0.50 | 1327.09 | -0.23 | 1327.09 | -0.23 | 1.98095704 | $ 131,991 | 0 | $ - | $ 131,990.51 | 3.06347656 | $ 204,118 | 0 | $ - | $ 204,118.43 |
| 374 | 1324.33 | 1324.58 | Residential | 7554.42 | $ 5,484,508 | $ 2,742,254 | 1324.35 | -0.23 | 1324.35 | -0.23 | 1324.42 | -0.17 | 1324.40 | -0.19 | 3.07 | $ 168,204 | 0.00 | $ - | $ 168,204.07 | 3.26 | $ 178,755 | 0.00 | $ - | $ 178,755.32 |
| 216 | 1336.13 | 1336.38 | Residential | 5675.45 | $ 4,120,379 | $ 2,060,189 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 283 | 1339.27 | 1339.52 | Residential | 13817.96 | $ 10,031,838 | $ 5,015,919 | 1339.17 | -0.35 | 1338.87 | -0.65 | 1339.53 | 0.01 | 1339.50 | -0.02 | 1.38 | $ 138,868 | 0.00 | $ - | $ 138,868.46 | 3.93 | $ 394,514 | 0.00 | $ - | $ 394,513.77 |
| 334 | 1324.83 | 1325.08 | Residential | 10462.71 | $ 7,595,925 | $ 3,797,963 | 1324.97 | -0.11 | 1324.90 | -0.18 | 1325.54 | 0.46 | 1325.48 | 0.39 | 3.27 | $ 248,611 | 0.00 | $ - | $ 248,610.77 | 15.79 | $ 1,199,270 | 16.50 | $ 626,803 | $ 1,826,072.65 |
| 26 | 1311.97 | 1312.22 | Residential | 13261.74 | $ 9,628,026 | $ 4,814,013 | 1311.93 | -0.29 | 1311.93 | -0.29 | 1311.98 | -0.25 | 1311.97 | -0.25 | 2.83 | $ 272,152 | 0.00 | $ - | $ 272,151.56 | 3.00 | $ 288,982 | 0.00 | $ - | $ 288,981.81 |
| 301 | 1346.57 | 1346.82 | Residential | 11175.62 | $ 8,113,498 | $ 4,056,749 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 308 | 1334.93 | 1335.18 | Residential | 6969.43 | $ 5,059,808 | $ 2,529,904 | 1334.88 | -0.29 | 1334.88 | -0.29 | 1335.28 | 0.10 | 1335.29 | 0.10 | 2.82177732 | $ 142,777 | 0 | $ - | $ 142,776.51 | 6.9296875 | $ 350,629 | 4.1015625 | $ 103,766 | $ 454,394.47 |
| 196 | 1332.19 | 1332.44 | Residential | 8166.56 | $ 5,928,926 | $ 2,964,463 | 0.00 | -1.00 | 0.00 | -1.00 | 1332.16 | -0.28 | 1332.16 | -0.28 | 0.00 | $ - | 0.00 | $ - | $ - | 2.86 | $ 169,588 | 0.00 | $ - | $ 169,588.13 |
| 496 | 1323.96 | 1324.21 | Residential | 5063.01 | $ 3,675,743 | $ 1,837,872 | 1324.30 | 0.09 | 1324.22 | 0.01 | 1324.69 | 0.48 | 1324.67 | 0.46 | 4.33 | $ 159,145 | 0.46 | $ 8,480 | $ 167,625.02 | 17.84 | $ 655,585 | 19.37 | $ 355,989 | $ 1,011,574.20 |
| 573 | 1331.74 | 1331.99 | Residential | 7754.41 | $ 5,629,702 | $ 2,814,851 | 1331.39 | -0.60 | 1331.39 | -0.60 | 1331.42 | -0.57 | 1331.42 | -0.57 | 1.60791016 | $ 90,521 | 0 | $ - | $ 90,520.55 | 1.72070312 | $ 96,870 | 0 | $ - | $ 96,870.46 |
| 108 | 1379.24 | 1379.49 | Residential | 1156.59 | $ 839,681 | $ 419,840 | 0.00 | -1.00 | 0.00 | -1.00 | 1378.04 | -1.00 | 1378.04 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 188 | 1333.66 | 1333.91 | Residential | 10182.29 | $ 7,392,344 | $ 3,696,172 | 1333.86 | -0.05 | 1333.86 | -0.05 | 1333.93 | 0.02 | 1333.94 | 0.02 | 3.78271484 | $ 279,631 | 0 | $ - | $ 279,631.28 | 4.4907226 | $ 331,970 | 0.68701164 | $ 25,393 | $ 357,362.77 |
| 351 | 1324.71 | 1324.96 | Residential | 4981.85 | $ 3,616,823 | $ 1,808,412 | 1324.58 | -0.39 | 1324.56 | -0.41 | 1324.99 | 0.02 | 1324.98 | 0.01 | 2.36 | $ 85,529 | 0.00 | $ - | $ 85,528.69 | 4.31 | $ 155,799 | 0.43 | $ 7,788 | $ 163,587.10 |
| 467 | 1340.84 | 1341.09 | Residential | 4065.37 | $ 2,951,456 | $ 1,475,728 | 0.00 | -1.00 | 0.00 | -1.00 | 1079.51 | -1.00 | 1079.52 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 132 | 1490.09 | 1490.34 | Residential | 1336.38 | $ 970,214 | $ 485,107 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 408 | 1322.66 | 1322.91 | Residential | 6487.88 | $ 4,710,200 | $ 2,355,100 | 1322.62 | -0.29 | 1322.57 | -0.34 | 1323.04 | 0.13 | 1323.04 | 0.13 | 2.65 | $ 124,586 | 0.00 | $ - | $ 124,585.71 | 7.81 | $ 367,973 | 5.34 | $ 125,695 | $ 493,668.31 |
| 119 | 1390.29 | 1390.54 | Residential | 315.89 | $ 229,336 | $ 114,668 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 584 | 1353.35 | 1353.60 | Residential | 0.00 | $ - | $ - | 175.39 | -1.00 | 175.39 | -1.00 | 415.79 | -1.00 | 415.78 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 511 | 1321.86 | 1322.11 | Residential | 646.27 | $ 469,192 | $ 234,596 | 1322.07 | -0.03 | 1322.00 | -0.10 | 1322.53 | 0.43 | 1322.24 | 0.14 | 3.58 | $ 16,797 | 0.00 | $ - | $ 16,797.45 | 8.15 | $ 38,218 | 5.80 | $ 13,615 | $ 51,833.37 |
| 54 | 1336.82 | 1337.07 | Residential | 9657.93 | $ 7,011,655 | $ 3,505,828 | 1336.97 | -0.10 | 1336.94 | -0.13 | 1337.10 | 0.03 | 1337.08 | 0.01 | 3.48 | $ 244,278 | 0.00 | $ - | $ 244,278.13 | 4.37 | $ 306,144 | 0.51 | $ 17,974 | $ 324,117.87 |
| 289 | 1315.29 | 1315.54 | Residential | 732.08 | $ 531,493 | $ 265,747 | 568.06 | -1.00 | 568.05 | -1.00 | 707.89 | -1.00 | 707.90 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 425 | 1440.09 | 1440.34 | Residential | 3730.58 | $ 2,708,404 | $ 1,354,202 | 1436.06 | -1.00 | 1436.06 | -1.00 | 1436.14 | -1.00 | 1436.13 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 325 | 1403.93 | 1404.18 | Residential | 4455.81 | $ 3,234,917 | $ 1,617,458 | 1401.98 | -1.00 | 1401.98 | -1.00 | 1402.03 | -1.00 | 1402.03 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 45 | 1313.71 | 1313.96 | Residential | 5863.55 | $ 4,256,937 | $ 2,128,469 | 1313.00 | -0.96 | 1313.00 | -0.96 | 1313.58 | -0.38 | 1313.58 | -0.38 | 0.15478516 | $ 6,589 | 0 | $ - | $ 6,589.11 | 2.47509764 | $ 105,363 | 0 | $ - | $ 105,363.35 |
| 147 | 1333.51 | 1333.76 | Residential | 1860.79 | $ 1,350,934 | $ 675,467 | 800.72 | -1.00 | 800.73 | -1.00 | 1333.04 | -0.72 | 1333.06 | -0.72 | 0 | $ - | 0 | $ - | $ - | 1.10644528 | $ 14,947 | 0 | $ - | $ 14,947.35 |
| 355 | 1320.50 | 1320.75 | Residential | 7271.22 | $ 5,278,904 | $ 2,639,452 | 1320.51 | -0.24 | 1320.51 | -0.24 | 1320.53 | -0.22 | 1320.62 | -0.22 | 3.04101564 | $ 160,532 | 0 | $ - | $ 160,532.30 | 3.13427736 | $ 165,455 | 0 | $ - | $ 165,455.50 |
| 55 | 1333.97 | 1334.22 | Residential | 8885.46 | $ 6,450,843 | $ 3,225,422 | 1256.97 | -1.00 | 1256.97 | -1.00 | 1257.07 | -1.00 | 1257.06 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 383 | 1323.11 | 1323.36 | Residential | 6532.58 | $ 4,742,656 | $ 2,371,328 | 1322.62 | -0.74 | 1322.57 | -0.78 | 1322.97 | -0.39 | 1322.96 | -0.39 | 0.86 | $ 40,850 | 0.00 | $ - | $ 40,849.83 | 2.42 | $ 114,838 | 0.00 | $ - | $ 114,838.03 |
| 377 | 1324.05 | 1324.30 | Residential | 6948.25 | $ 5,044,428 | $ 2,522,214 | 1324.25 | -0.05 | 1324.22 | -0.08 | 1324.48 | 0.18 | 1324.47 | 0.17 | 3.69 | $ 185,964 | 0.00 | $ - | $ 185,964.02 | 9.21 | $ 464,467 | 7.29 | $ 183,883 | $ 648,349.37 |
| 501 | 1320.89 | 1321.14 | Residential | 14670.16 | $ 10,650,533 | $ 5,325,266 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 114 | 1377.43 | 1377.68 | Residential | 1961.87 | $ 1,424,316 | $ 712,158 | 1377.38 | -0.30 | 1377.38 | -0.30 | 1377.48 | -0.20 | 1377.48 | -0.20 | 2.80 | $ 39,881 | 0.00 | $ - | $ 39,880.85 | 3.19 | $ 45,386 | 0.00 | $ - | $ 45,386.17 |
| 92 | 1384.83 | 1385.08 | Residential | 23180.32 | $ 16,828,912 | $ 8,414,456 | 1383.02 | -1.00 | 1383.02 | -1.00 | 1383.70 | -1.00 | 1383.69 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 194 | 1337.21 | 1337.46 | Residential | 9523.28 | $ 6,913,901 | $ 3,456,951 | 1337.21 | -0.25 | 1337.21 | -0.25 | 1337.29 | -0.17 | 1337.29 | -0.17 | 3.01 | $ 208,160 | 0.00 | $ - | $ 208,159.74 | 3.31 | $ 228,652 | 0.00 | $ - | $ 228,651.62 |
| 560 | 1318.46 | 1318.71 | Residential | 5850.33 | $ 4,247,338 | $ 2,123,669 | 1318.50 | -0.21 | 1318.50 | -0.21 | 1318.55 | -0.16 | 1318.55 | -0.16 | 3.16 | $ 134,223 | 0.00 | $ - | $ 134,222.51 | 3.36 | $ 142,912 | 0.00 | $ - | $ 142,912.13 |
| 300 | 1339.66 | 1339.91 | Residential | 13233.48 | $ 9,607,509 | $ 4,803,755 | 341.83 | -1.00 | 341.83 | -1.00 | 1339.10 | -0.81 | 1339.11 | -0.81 | 0 | $ - | 0 | $ - | $ - | 0.7573242 | $ 72,760 | 0 | $ - | $ 72,759.99 |
| 478 | 1321.22 | 1321.47 | Residential | 7719.33 | $ 5,604,232 | $ 2,802,116 | 1320.76 | -0.71 | 1320.74 | -0.73 | 1321.53 | 0.07 | 1321.51 | 0.04 | 1.08 | $ 60,585 | 0.00 | $ - | $ 60,584.81 | 5.24 | $ 293,743 | 1.74 | $ 48,702 | $ 342,445.13 |
| 272 | 1339.97 | 1340.22 | Residential | 5299.00 | $ 3,847,076 | $ 1,923,538 | 1340.21 | 0.00 | 1340.15 | -0.06 | 1340.67 | 0.45 | 1340.62 | 0.40 | 3.75 | $ 144,171 | 0.00 | $ - | $ 144,171.44 | 16.15 | $ 621,196 | 17.01 | $ 327,119 | $ 948,314.61 |
| 152 | 1345.74 | 1345.99 | Residential | 6940.51 | $ 5,038,809 | $ 2,519,405 | 1346.19 | 0.20 | 1346.19 | 0.20 | 1346.44 | 0.45 | 1346.44 | 0.45 | 10.0827637 | $ 508,051 | 8.51586918 | $ 214,549 | $ 722,600.45 | 17.4472657 | $ 879,134 | 18.82617198 | $ 474,307 | $ 1,353,441.91 |
| 507 | 1326.03 | 1326.28 | Residential | 10797.12 | $ 7,838,706 | $ 3,919,353 | 1326.10 | -0.18 | 1326.10 | -0.18 | 1326.37 | 0.09 | 1326.37 | 0.09 | 3.27197264 | $ 256,480 | 0 | $ - | $ 256,480.31 | 6.6440428 | $ 520,807 | 3.70165992 | $ 145,081 | $ 665,888.08 |
| 259 | 1335.19 | 1335.44 | Residential | 10032.44 | $ 7,283,551 | $ 3,641,776 | 1334.66 | -0.78 | 1334.63 | -0.81 | 1335.44 | 0.00 | 1335.39 | -0.05 | 0.77 | $ 55,836 | 0.00 | $ - | $ 55,835.82 | 3.81 | $ 277,152 | 0.00 | $ - | $ 277,151.93 |
| 568 | 1332.40 | 1332.65 | Residential | 5264.32 | $ 3,821,899 | $ 1,910,950 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 67 | 1358.85 | 1359.10 | Residential | 3832.96 | $ 2,782,731 | $ 1,391,366 | 1358.66 | -0.43 | 1358.66 | -0.43 | 1358.77 | -0.33 | 1358.77 | -0.33 | 2.26025392 | $ 62,897 | 0 | $ - | $ 62,896.80 | 2.69531252 | $ 75,003 | 0 | $ - | $ 75,003.31 |
| 157 | 1334.69 | 1334.94 | Residential | 11620.03 | $ 8,436,143 | $ 4,218,071 | 1335.22 | 0.28 | 1335.22 | 0.28 | 1335.39 | 0.45 | 1335.40 | 0.45 | 12.3935545 | $ 1,045,538 | 11.7509763 | $ 495,665 | $ 1,541,202.53 | 17.568115 | $ 1,482,071 | 18.995361 | $ 801,238 | $ 2,283,309.17 |
| 161 | 1338.81 | 1339.06 | Residential | 12200.44 | $ 8,857,520 | $ 4,428,760 | 1338.67 | -0.39 | 1338.67 | -0.39 | 1338.88 | -0.18 | 1338.88 | -0.18 | 2.44287112 | $ 216,378 | 0 | $ - | $ 216,377.79 | 3.26708984 | $ 289,383 | 0 | $ - | $ 289,383.13 |
| 178 | 1338.71 | 1338.96 | Residential | 2191.33 | $ 1,590,906 | $ 795,453 | 0.00 | -1.00 | 0.00 | -1.00 | 1338.85 | -0.10 | 1338.86 | -0.10 | 0 | $ - | 0 | $ - | $ - | 3.59326172 | $ 57,165 | 0 | $ - | $ 57,165.43 |
| 394 | 1326.19 | 1326.44 | Residential | 863.93 | $ 627,213 | $ 313,607 | 0.00 | -1.00 | 0.00 | -1.00 | 263.80 | -1.00 | 263.81 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 199 | 1333.72 | 1333.97 | Residential | 8444.06 | $ 6,130,386 | $ 3,065,193 | 0.00 | -1.00 | 0.00 | -1.00 | 331.65 | -1.00 | 331.65 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 84 | 1378.04 | 1378.29 | Residential | 2416.84 | $ 1,754,627 | $ 877,314 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 17 | 1314.46 | 1314.71 | Residential | 6917.41 | $ 5,022,043 | $ 2,511,021 | 1314.60 | -0.11 | 1314.49 | -0.22 | 1314.93 | 0.22 | 1314.87 | 0.16 | 3.12 | $ 156,890 | 0.00 | $ - | $ 156,889.79 | 8.71 | $ 437,577 | 6.60 | $ 165,687 | $ 603,264.30 |
| 472 | 1336.64 | 1336.89 | Residential | 11331.29 | $ 8,226,515 | $ 4,113,257 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 582 | 1462.74 | 1462.99 | Residential | 16759.96 | $ 12,167,729 | $ 6,083,864 | 1460.73 | -1.00 | 1460.73 | -1.00 | 1460.80 | -1.00 | 1460.80 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 464 | 1329.31 | 1329.56 | Residential | 5295.97 | $ 3,844,872 | $ 1,922,436 | 1329.39 | -0.17 | 1329.39 | -0.17 | 1329.44 | -0.12 | 1329.44 | -0.12 | 3.30078124 | $ 126,911 | 0 | $ - | $ 126,910.83 | 3.5073242 | $ 134,852 | 0 | $ - | $ 134,852.14 |
| 419 | 1390.04 | 1390.29 | Residential | 4825.64 | $ 3,503,412 | $ 1,751,706 | 1389.19 | -1.00 | 1389.19 | -1.00 | 1389.89 | -0.40 | 1389.89 | -0.40 | 0.00 | $ - | 0.00 | $ - | $ - | 2.39 | $ 83,599 | 0.00 | $ - | $ 83,599.50 |
| 439 | 1343.45 | 1343.70 | Residential | 6849.88 | $ 4,973,013 | $ 2,486,507 | 0.00 | -1.00 | 0.00 | -1.00 | 130.35 | -1.00 | 1061.14 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 303 | 1333.92 | 1334.17 | Residential | 7565.22 | $ 5,492,353 | $ 2,746,176 | 0.00 | -1.00 | 0.00 | -1.00 | 1333.50 | -0.67 | 1333.50 | -0.67 | 0.00 | $ - | 0.00 | $ - | $ - | 1.32 | $ 72,543 | 0.00 | $ - | $ 72,543.04 |
| 155 | 1347.15 | 1347.40 | Residential | 3848.09 | $ 2,793,714 | $ 1,396,857 | 1347.66 | 0.26 | 1347.66 | 0.26 | 1347.97 | 0.56 | 1347.97 | 0.56 | 11.6831056 | $ 326,393 | 10.75634784 | $ 150,251 | $ 476,643.30 | 20.8896484 | $ 583,597 | 23.64550776 | $ 330,294 | $ 913,890.85 |
| 82 | 1358.10 | 1358.35 | Residential | 651.46 | $ 472,962 | $ 236,481 | 0.00 | -1.00 | 0.00 | -1.00 | 30.58 | -1.00 | 30.58 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 409 | 1331.58 | 1331.83 | Residential | 7662.12 | $ 5,562,697 | $ 2,781,348 | 1331.57 | -0.26 | 1331.57 | -0.26 | 1331.60 | -0.23 | 1331.59 | -0.24 | 2.97 | $ 165,414 | 0.00 | $ - | $ 165,414.18 | 3.06 | $ 170,140 | 0.00 | $ - | $ 170,140.29 |
| 230 | 1337.64 | 1337.89 | Residential | 4073.31 | $ 2,957,220 | $ 1,478,610 | 1337.76 | -0.13 | 1337.76 | -0.13 | 1338.09 | 0.20 | 1338.10 | 0.20 | 3.46923828 | $ 102,593 | 0 | $ - | $ 102,593.02 | 9.9509278 | $ 294,271 | 8.33129892 | $ 123,187 | $ 417,458.30 |
| 499 | 1321.37 | 1321.62 | Residential | 6734.36 | $ 4,889,149 | $ 2,444,574 | 1024.72 | -1.00 | 528.49 | -1.00 | 1278.41 | -1.00 | 1078.87 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 207 | 1345.29 | 1345.54 | Residential | 62629.14 | $ 45,468,757 | $ 22,734,378 | 1345.04 | -0.50 | 1345.04 | -0.50 | 1345.19 | -0.35 | 1345.19 | -0.35 | 2.00 | $ 909,153 | 0.00 | $ - | $ 909,153.12 | 2.60 | $ 1,183,342 | 0.00 | $ - | $ 1,183,342.15 |
| 63 | 1334.63 | 1334.88 | Residential | 5989.61 | $ 4,348,454 | $ 2,174,227 | 1335.05 | 0.17 | 1335.05 | 0.17 | 1335.26 | 0.38 | 1335.26 | 0.38 | 9.1708984 | $ 398,792 | 7.23925776 | $ 157,398 | $ 556,190.23 | 15.3012697 | $ 665,369 | 15.82177758 | $ 344,001 | $ 1,009,370.10 |
| 412 | 1375.69 | 1375.94 | Residential | 3662.89 | $ 2,659,255 | $ 1,329,627 | 1375.59 | -0.35 | 1375.59 | -0.35 | 1375.64 | -0.30 | 1375.64 | -0.30 | 2.60400392 | $ 69,247 | 0 | $ - | $ 69,247.10 | 2.78564452 | $ 74,077 | 0 | $ - | $ 74,077.39 |
| 0 | 1317.98 | 1318.23 | Residential | 2031.12 | $ 1,474,595 | $ 737,297 | 637.78 | -1.00 | 637.78 | -1.00 | 1317.82 | -0.41 | 1317.82 | -0.41 | 0.00 | $ - | 0.00 | $ - | $ - | 2.35 | $ 34,712 | 0.00 | $ - | $ 34,712.02 |
| 531 | 1324.51 | 1324.76 | Residential | 18433.22 | $ 13,382,516 | $ 6,691,258 | 1323.32 | -1.00 | 1322.88 | -1.00 | 1323.85 | -0.90 | 1323.41 | -1.00 | 0.00 | $ - | 0.00 | $ - | $ - | 0.00 | $ - | 0.00 | $ - | $ - |
| 174 | 1346.24 | 1346.49 | Residential | 1124.42 | $ 816,330 | $ 408,165 | 303.67 | -1.00 | 303.67 | -1.00 | 1346.51 | 0.02 | 1346.51 | 0.02 | 0 | $ - | 0 | $ - | $ - | 4.4870605 | $ 36,629 | 0.6818847 | $ 2,783 | $ 39,412.44 |
| 341 | 1322.03 | 1322.28 | Residential | 18894.74 | $ 13,717,579 | $ 6,858,789 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |

## 10-Year and 100-Year Proposed Building Damages in Area A

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 24 | 1314.06 | 1314.31 | Residential | 5845.51 | $ 4,243,839 | $ 2,121,919 | 1313.88 | -0.43 | 1313.88 | -0.43 | 1314.07 | -0.24 | 1314.01 | -0.30 | 2.29 | $ 97,289 | 0.00 | $ - | $ 97,289.18 | 2.80 | $ 118,819 | 0.00 | $ - | $ 118,819.20 |
| 246 | 1335.49 | 1335.74 | Residential | 8095.61 | $ 5,877,416 | $ 2,938,708 | 1335.25 | -0.49 | 1335.25 | -0.49 | 1335.88 | 0.14 | 1335.88 | 0.14 | 2.02539064 | $ 119,041 | 0 | $ - | $ 119,040.64 | 8.145508 | $ 478,745 | 5.8037112 | $ 170,554 | $ 649,299.53 |
| 403 | 1330.29 | 1330.54 | Residential | 11988.20 | $ 8,703,431 | $ 4,351,715 | 1329.02 | -1.00 | 1329.02 | -1.00 | 1329.06 | -1.00 | 1329.06 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 76 | 1386.63 | 1386.88 | Residential | 12282.31 | $ 8,916,955 | $ 4,458,478 | 1381.01 | -1.00 | 1381.01 | -1.00 | 1383.36 | -1.00 | 1383.36 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 2 | 1318.40 | 1318.65 | Residential | 9772.67 | $ 7,094,958 | $ 3,547,479 | 1318.08 | -0.57 | 1318.08 | -0.57 | 1318.11 | -0.54 | 1318.11 | -0.54 | 1.71 | $ 121,667 | 0.00 | $ - | $ 121,667.45 | 1.82 | $ 129,393 | 0.00 | $ - | $ 129,392.92 |
| 557 | 1319.81 | 1320.06 | Residential | 4983.35 | $ 3,617,912 | $ 1,808,956 | 1319.67 | -0.39 | 1319.67 | -0.39 | 1319.76 | -0.30 | 1319.76 | -0.30 | 2.45800784 | $ 88,929 | 0 | $ - | $ 88,928.57 | 2.80615236 | $ 101,524 | 0 | $ - | $ 101,524.14 |
| 363 | 1327.28 | 1327.53 | Residential | 13619.36 | $ 9,887,654 | $ 4,943,827 | 1327.80 | 0.27 | 1327.79 | 0.26 | 1328.12 | 0.59 | 1328.13 | 0.59 | 11.7014158 | $ 1,156,995 | 10.78198212 | $ 533,043 | $ 1,690,038.01 | 21.7941895 | $ 2,154,934 | 24.9118653 | $ 1,231,599 | $ 3,386,533.49 |
| 348 | 1322.03 | 1322.28 | Residential | 12779.27 | $ 9,277,748 | $ 4,638,874 | 716.09 | -1.00 | 716.10 | -1.00 | 716.26 | -1.00 | 716.27 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 222 | 1335.24 | 1335.49 | Residential | 10175.58 | $ 7,387,470 | $ 3,693,735 | 1335.36 | -0.13 | 1335.36 | -0.13 | 1335.70 | 0.21 | 1335.71 | 0.21 | 3.4663086 | $ 256,073 | 0 | $ - | $ 256,072.50 | 10.1816407 | $ 752,166 | 8.65429698 | $ 319,667 | $ 1,071,832.42 |
| 353 | 1324.46 | 1324.71 | Residential | 8593.13 | $ 6,238,612 | $ 3,119,306 | 1324.36 | -0.35 | 1324.36 | -0.35 | 1324.38 | -0.33 | 1324.38 | -0.33 | 2.60 | $ 162,119 | 0.00 | $ - | $ 162,118.62 | 2.69 | $ 167,906 | 0.00 | $ - | $ 167,906.40 |
| 219 | 1337.56 | 1337.81 | Residential | 1562.94 | $ 1,134,694 | $ 567,347 | 1337.55 | -0.26 | 1337.55 | -0.26 | 1337.76 | -0.05 | 1337.77 | -0.05 | 2.9736328 | $ 33,742 | 0 | $ - | $ 33,741.62 | 3.81347656 | $ 43,271 | 0 | $ - | $ 43,271.27 |
| 441 | 1327.97 | 1328.22 | Residential | 6274.07 | $ 4,554,976 | $ 2,277,488 | 427.21 | -1.00 | 427.20 | -1.00 | 950.84 | -1.00 | 950.84 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 124 | 1438.10 | 1438.35 | Residential | 14426.98 | $ 10,473,990 | $ 5,236,995 | 1431.87 | -1.00 | 1431.86 | -1.00 | 1432.70 | -1.00 | 1432.70 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 4 | 1313.10 | 1313.35 | Residential | 553.49 | $ 401,831 | $ 200,915 | 1313.18 | -0.17 | 1313.17 | -0.17 | 0.00 | -1.00 | 1314.42 | -1.00 | 3.30371096 | $ 13,275 | 0 | $ - | $ 13,275.33 | 0 | $ - | 0 | $ - | $ - |
| 533 | 1317.14 | 1317.39 | Residential | 10692.01 | $ 7,762,402 | $ 3,881,201 | 1317.04 | -0.35 | 1317.04 | -0.35 | 1317.08 | -0.31 | 1317.08 | -0.32 | 2.61 | $ 202,778 | 0.00 | $ - | $ 202,777.58 | 2.74 | $ 212,670 | 0.00 | $ - | $ 212,670.09 |
| 442 | 1295.07 | 1295.32 | Residential | 1280.72 | $ 929,801 | $ 464,900 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 730.69 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 127 | 1440.11 | 1440.36 | Residential | 1667.16 | $ 1,210,360 | $ 605,180 | 1432.41 | -1.00 | 1432.41 | -1.00 | 1432.48 | -1.00 | 1432.48 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 213 | 1344.82 | 1345.07 | Residential | 18886.60 | $ 13,711,674 | $ 6,855,837 | 1344.77 | -0.29 | 1344.77 | -0.29 | 1344.89 | -0.17 | 1344.90 | -0.17 | 2.82324216 | $ 387,114 | 0 | $ - | $ 387,113.77 | 3.30224608 | $ 452,793 | 0 | $ - | $ 452,793.22 |
| 339 | 1321.66 | 1321.91 | Residential | 4252.24 | $ 3,087,125 | $ 1,543,562 | 156.52 | -1.00 | 156.52 | -1.00 | 1320.88 | -1.00 | 1320.88 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 550 | 1321.54 | 1321.79 | Residential | 12488.97 | $ 9,066,992 | $ 4,533,496 | 1319.73 | -1.00 | 1319.73 | -1.00 | 1319.76 | -1.00 | 1319.76 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 547 | 1321.82 | 1322.07 | Residential | 303.30 | $ 220,193 | $ 110,097 | 0.00 | -1.00 | 0.00 | -1.00 | 786.73 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 7 | 1315.20 | 1315.45 | Residential | 8695.64 | $ 6,313,034 | $ 3,156,517 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 166 | 1334.79 | 1335.04 | Residential | 4656.42 | $ 3,380,564 | $ 1,690,282 | 238.50 | -1.00 | 238.50 | -1.00 | 1334.60 | -0.44 | 1334.61 | -0.44 | 0 | $ - | 0 | $ - | $ - | 2.24804688 | $ 75,997 | 0 | $ - | $ 75,996.66 |
| 356 | 1323.12 | 1323.37 | Residential | 20490.88 | $ 14,876,379 | $ 7,438,189 | 473.06 | -1.00 | 473.06 | -1.00 | 1322.08 | -1.00 | 1322.08 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 366 | 1322.45 | 1322.70 | Residential | 7079.13 | $ 5,139,449 | $ 2,569,724 | 1321.50 | -1.00 | 1321.50 | -1.00 | 1322.30 | -0.39 | 1322.30 | -0.39 | 0.00 | $ - | 0.00 | $ - | $ - | 2.43 | $ 124,822 | 0.00 | $ - | $ 124,822.36 |
| 212 | 1335.76 | 1336.01 | Residential | 1686.91 | $ 1,224,694 | $ 612,347 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 81 | 1362.73 | 1362.98 | Residential | 13883.69 | $ 10,079,557 | $ 5,039,778 | 1362.85 | -0.12 | 1362.85 | -0.12 | 1362.93 | -0.04 | 1362.93 | -0.04 | 3.50097656 | $ 352,883 | 0 | $ - | $ 352,882.92 | 3.82519532 | $ 385,563 | 0 | $ - | $ 385,562.74 |
| 252 | 1342.94 | 1343.19 | Residential | 11528.90 | $ 8,369,982 | $ 4,184,991 | 1342.22 | -0.97 | 1342.22 | -0.97 | 1343.01 | -0.18 | 1342.25 | -0.94 | 0.12 | $ 10,095 | 0.00 | $ - | $ 10,094.65 | 0.23 | $ 19,617 | 0.00 | $ - | $ 19,617.15 |
| 451 | 1330.63 | 1330.88 | Residential | 4329.91 | $ 3,143,516 | $ 1,571,758 | 1329.82 | -1.00 | 1329.82 | -1.00 | 1329.86 | -1.00 | 1329.86 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 290 | 1334.83 | 1335.08 | Residential | 11536.70 | $ 8,375,645 | $ 4,187,822 | 1333.35 | -1.00 | 1333.32 | -1.00 | 1334.64 | -0.44 | 1334.63 | -0.45 | 0.00 | $ - | 0.00 | $ - | $ - | 2.19 | $ 183,135 | 0.00 | $ - | $ 183,135.43 |
| 19 | 1316.38 | 1316.63 | Residential | 6993.30 | $ 5,077,134 | $ 2,538,567 | 1315.78 | -0.85 | 1315.78 | -0.85 | 1315.97 | -0.66 | 1315.93 | -0.70 | 0.58 | $ 29,575 | 0.00 | $ - | $ 29,575.30 | 1.18 | $ 60,043 | 0.00 | $ - | $ 60,043.06 |
| 388 | 1322.89 | 1323.14 | Residential | 10092.64 | $ 7,327,254 | $ 3,663,627 | 1322.62 | -0.52 | 1322.57 | -0.57 | 1323.24 | 0.10 | 1323.22 | 0.08 | 1.73 | $ 126,545 | 0.00 | $ - | $ 126,545.40 | 6.46 | $ 473,409 | 3.45 | $ 126,223 | $ 599,632.72 |
| 43 | 1320.11 | 1320.36 | Residential | 6209.68 | $ 4,508,230 | $ 2,254,115 | 1319.63 | -0.74 | 1319.63 | -0.74 | 1319.65 | -0.71 | 1319.65 | -0.71 | 1.05 | $ 47,240 | 0.00 | $ - | $ 47,239.56 | 1.16 | $ 52,126 | 0.00 | $ - | $ 52,126.41 |
| 347 | 1326.78 | 1327.03 | Residential | 9360.23 | $ 6,795,524 | $ 3,397,762 | 821.46 | -1.00 | 23.19 | -1.00 | 1326.56 | -0.47 | 1326.54 | -0.49 | 0.00 | $ - | 0.00 | $ - | $ - | 2.05 | $ 139,030 | 0.00 | $ - | $ 139,029.51 |
| 558 | 1329.23 | 1329.48 | Residential | 5699.37 | $ 4,137,742 | $ 2,068,871 | 0.00 | -1.00 | 0.00 | -1.00 | 1329.38 | -0.10 | 0.00 | -1.00 | 0.00 | $ - | 0.00 | $ - | $ - | 0.00 | $ - | 0.00 | $ - | $ - |
| 411 | 1371.41 | 1371.66 | Residential | 3701.56 | $ 2,687,336 | $ 1,343,668 | 1369.90 | -1.00 | 1369.90 | -1.00 | 1369.95 | -1.00 | 1369.95 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 314 | 1330.36 | 1330.61 | Residential | 4196.13 | $ 3,046,391 | $ 1,523,196 | 1330.19 | -0.42 | 1330.19 | -0.42 | 1330.73 | 0.12 | 1330.74 | 0.12 | 2.30664064 | $ 70,269 | 0 | $ - | $ 70,269.30 | 7.7023927 | $ 234,645 | 5.18334978 | $ 78,953 | $ 313,597.60 |
| 79 | 1368.26 | 1368.51 | Residential | 1459.23 | $ 1,059,402 | $ 529,701 | 819.50 | -1.00 | 819.51 | -1.00 | 1341.09 | -1.00 | 1341.09 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 117 | 1391.60 | 1391.85 | Residential | 3751.96 | $ 2,723,924 | $ 1,361,962 | 0.00 | -1.00 | 0.00 | -1.00 | 1391.33 | -0.52 | 1391.33 | -0.53 | 0.00 | $ - | 0.00 | $ - | $ - | 1.90 | $ 51,685 | 0.00 | $ - | $ 51,685.40 |
| 422 | 1360.68 | 1360.93 | Residential | 19148.04 | $ 13,901,477 | $ 6,950,738 | 1359.30 | -1.00 | 1359.30 | -1.00 | 1359.43 | -1.00 | 1359.43 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 398 | 1326.86 | 1327.11 | Residential | 13652.47 | $ 9,911,695 | $ 4,955,847 | 1326.93 | -0.18 | 1326.93 | -0.18 | 1326.96 | -0.15 | 1326.96 | -0.15 | 3.28 | $ 324,695 | 0.00 | $ - | $ 324,695.12 | 3.40 | $ 336,552 | 0.00 | $ - | $ 336,552.37 |
| 160 | 1330.28 | 1330.53 | Residential | 16486.30 | $ 11,969,051 | $ 5,984,525 | 1329.35 | -1.00 | 1329.35 | -1.00 | 1329.39 | -1.00 | 1329.39 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 448 | 1350.42 | 1350.67 | Residential | 9775.28 | $ 7,096,851 | $ 3,548,425 | 1350.44 | -0.23 | 1350.44 | -0.23 | 1350.50 | -0.18 | 1350.50 | -0.18 | 3.07958984 | $ 218,554 | 0 | $ - | $ 218,553.90 | 3.28515624 | $ 233,143 | 0 | $ - | $ 233,142.64 |
| 241 | 1340.47 | 1340.72 | Residential | 4769.11 | $ 3,462,376 | $ 1,731,188 | 0.00 | -1.00 | 0.00 | -1.00 | 618.40 | -1.00 | 618.40 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 65 | 1360.27 | 1360.52 | Residential | 2558.86 | $ 1,857,730 | $ 928,865 | 1358.39 | -1.00 | 1358.39 | -1.00 | 1358.61 | -1.00 | 1358.62 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 221 | 1332.89 | 1333.14 | Residential | 6409.64 | $ 4,653,397 | $ 2,326,698 | 1130.18 | -1.00 | 1130.18 | -1.00 | 1332.84 | -0.30 | 1332.86 | -0.30 | 0 | $ - | 0 | $ - | $ - | 2.81298828 | $ 130,899 | 0 | $ - | $ 130,899.50 |
| 107 | 1408.31 | 1408.56 | Residential | 9558.60 | $ 6,939,545 | $ 3,469,773 | 1407.44 | -1.00 | 1407.44 | -1.00 | 1407.53 | -1.00 | 1407.53 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 159 | 1337.05 | 1337.30 | Residential | 7081.33 | $ 5,141,047 | $ 2,570,523 | 0.00 | -1.00 | 0.00 | -1.00 | 1336.93 | -0.37 | 1336.93 | -0.37 | 0 | $ - | 0 | $ - | $ - | 2.52636716 | $ 129,882 | 0 | $ - | $ 129,881.71 |
| 354 | 1324.37 | 1324.62 | Residential | 6151.11 | $ 4,465,703 | $ 2,232,851 | 1264.84 | -1.00 | 1264.85 | -1.00 | 1324.36 | -0.26 | 1324.35 | -0.27 | 0.00 | $ - | 0.00 | $ - | $ - | 2.91 | $ 130,003 | 0.00 | $ - | $ 130,002.53 |
| 11 | 1310.91 | 1311.16 | Residential | 8959.69 | $ 6,504,734 | $ 3,252,367 | 1311.35 | 0.19 | 1311.26 | 0.10 | 1311.62 | 0.46 | 1311.58 | 0.42 | 6.85 | $ 445,755 | 3.99 | $ 129,896 | $ 575,651.45 | 16.59 | $ 1,078,919 | 17.62 | $ 573,111 | $ 1,652,029.25 |
| 480 | 1320.99 | 1321.24 | Residential | 21154.48 | $ 15,358,155 | $ 7,679,077 | 0.00 | -1.00 | 0.00 | -1.00 | 67.45 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 535 | 1318.96 | 1319.21 | Residential | 15038.36 | $ 10,917,848 | $ 5,458,924 | 1319.07 | -0.14 | 1319.07 | -0.14 | 1319.10 | -0.11 | 1319.09 | -0.12 | 3.43 | $ 374,608 | 0.00 | $ - | $ 374,608.00 | 3.54 | $ 386,123 | 0.00 | $ - | $ 386,122.92 |
| 324 | 1416.21 | 1416.46 | Residential | 23457.64 | $ 17,030,244 | $ 8,515,122 | 1413.95 | -1.00 | 1413.95 | -1.00 | 1414.07 | -1.00 | 1414.07 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 15 | 1310.89 | 1311.14 | Residential | 6635.11 | $ 4,817,087 | $ 2,408,543 | 1311.22 | 0.08 | 1311.13 | -0.01 | 1311.54 | 0.40 | 1311.49 | 0.35 | 3.98 | $ 191,484 | 0.00 | $ - | $ 191,483.90 | 14.45 | $ 695,973 | 14.63 | $ 352,302 | $ 1,048,274.99 |
| 83 | 1371.94 | 1372.19 | Residential | 2134.99 | $ 1,550,000 | $ 775,000 | 1372.24 | 0.05 | 1372.24 | 0.05 | 1372.37 | 0.18 | 1372.36 | 0.17 | 5.52 | $ 85,557 | 2.13 | $ 16,490 | $ 102,046.11 | 9.20 | $ 142,546 | 7.28 | $ 56,382 | $ 198,928.71 |
| 396 | 1328.64 | 1328.89 | Residential | 16191.87 | $ 11,755,297 | $ 5,877,649 | 965.23 | -1.00 | 965.23 | -1.00 | 1328.35 | -0.53 | 1328.35 | -0.54 | 0.00 | $ - | 0.00 | $ - | $ - | 1.86 | $ 218,575 | 0.00 | $ - | $ 218,575.05 |
| 583 | 1330.49 | 1330.74 | Residential | 0.00 | $ - | $ - | 1329.79 | -0.95 | 1329.79 | -0.95 | 1329.82 | -0.93 | 1329.82 | -0.93 | 0.19970704 | $ - | 0 | $ - | $ - | 0.28759768 | $ - | 0 | $ - | $ - |
| 516 | 1322.12 | 1322.37 | Residential | 766.64 | $ 556,581 | $ 278,291 | 76.91 | -1.00 | 76.90 | -1.00 | 291.24 | -1.00 | 128.43 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 342 | 1321.31 | 1321.56 | Residential | 440.90 | $ 320,096 | $ 160,048 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 150 | 1341.28 | 1341.53 | Residential | 4258.47 | $ 3,091,652 | $ 1,545,826 | 1341.73 | 0.20 | 1341.73 | 0.20 | 1341.90 | 0.37 | 1341.91 | 0.37 | 9.9216307 | $ 306,742 | 8.29028298 | $ 128,153 | $ 434,895.66 | 15.1108399 | $ 467,175 | 15.55517586 | $ 240,456 | $ 707,630.56 |
| 143 | 1329.96 | 1330.21 | Residential | 3734.03 | $ 2,710,903 | $ 1,355,452 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 344 | 1324.82 | 1325.07 | Residential | 7011.00 | $ 5,089,986 | $ 2,544,993 | 1324.73 | -0.34 | 1324.62 | -0.45 | 1325.17 | 0.09 | 1325.15 | 0.08 | 2.21 | $ 112,561 | 0.00 | $ - | $ 112,561.26 | 6.29 | $ 320,286 | 3.21 | $ 81,681 | $ 401,967.21 |
| 571 | 1327.57 | 1327.82 | Residential | 8562.45 | $ 6,216,338 | $ 3,108,169 | 1327.58 | -0.23 | 1327.59 | -0.23 | 1327.62 | -0.20 | 1327.62 | -0.20 | 3.07714844 | $ 191,286 | 0 | $ - | $ 191,285.96 | 3.21142576 | $ 199,633 | 0 | $ - | $ 199,633.09 |
| 88 | 1379.61 | 1379.86 | Residential | 11455.28 | $ 8,316,533 | $ 4,158,267 | 1378.41 | -1.00 | 1378.41 | -1.00 | 1378.46 | -1.00 | 1378.46 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 49 | 1377.00 | 1377.25 | Residential | 728.13 | $ 528,623 | $ 264,311 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 445 | 1348.57 | 1348.82 | Residential | 8000.24 | $ 5,808,173 | $ 2,904,086 | 1348.40 | -0.42 | 1348.39 | -0.43 | 1348.43 | -0.39 | 1348.43 | -0.39 | 2.296875 | $ 133,406 | 0 | $ - | $ 133,406.47 | 2.42822264 | $ 141,035 | 0 | $ - | $ 141,035.37 |
| 376 | 1323.14 | 1323.39 | Residential | 7118.19 | $ 5,167,807 | $ 2,583,904 | 1322.66 | -0.73 | 1322.57 | -0.82 | 1323.33 | -0.06 | 1323.33 | -0.06 | 0.73 | $ 37,875 | 0.00 | $ - | $ 37,875.39 | 3.77 | $ 194,878 | 0.00 | $ - | $ 194,877.81 |
| 86 | 1377.55 | 1377.80 | Residential | 2949.41 | $ 2,141,271 | $ 1,070,635 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 520 | 1322.62 | 1322.87 | Residential | 15567.65 | $ 11,302,117 | $ 5,651,058 | 1322.30 | -0.57 | 1322.30 | -0.57 | 1322.78 | -0.09 | 1322.35 | -0.52 | 1.71 | $ 192,765 | 0.00 | $ - | $ 192,765.11 | 1.90 | $ 215,115 | 0.00 | $ - | $ 215,115.49 |
| 224 | 1342.44 | 1342.69 | Residential | 5688.11 | $ 4,129,571 | $ 2,064,785 | 1342.46 | -0.24 | 1342.46 | -0.24 | 1342.48 | -0.21 | 1342.48 | -0.21 | 3.05 | $ 125,762 | 0.00 | $ - | $ 125,762.36 | 3.15 | $ 130,279 | 0.00 | $ - | $ 130,279.08 |
| 16 | 1311.95 | 1312.20 | Residential | 5118.95 | $ 3,716,356 | $ 1,858,178 | 0.00 | -1.00 | 0.00 | -1.00 | 1311.91 | -0.29 | 1311.88 | -0.32 | 0.00 | $ - | 0.00 | $ - | $ - | 2.72 | $ 101,238 | 0.00 | $ - | $ 101,238.03 |
| 71 | 1355.29 | 1355.54 | Residential | 15605.34 | $ 11,329,477 | $ 5,664,738 | 1355.85 | 0.31 | 1355.86 | 0.31 | 1356.01 | 0.47 | 1356.03 | 0.47 | 13.3 | $ 1,506,820 | 13.02 | $ 737,549 | $ 2,244,369.39 | 18.0405271 | $ 2,043,897 | 19.65673794 | $ 1,113,503 | $ 3,157,400.16 |
| 493 | 1320.68 | 1320.93 | Residential | 1623.50 | $ 1,178,660 | $ 589,330 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 380 | 1324.56 | 1324.81 | Residential | 7115.36 | $ 5,165,750 | $ 2,582,875 | 1324.17 | -0.64 | 1262.30 | -1.00 | 1324.34 | -0.47 | 1324.33 | -0.48 | 0.00 | $ - | 0.00 | $ - | $ - | 2.09 | $ 107,830 | 0.00 | $ - | $ 107,830.00 |
| 291 | 1343.71 | 1343.96 | Residential | 10971.13 | $ 7,965,040 | $ 3,982,520 | 0.00 | -1.00 | 0.00 | -1.00 | 1194.25 | -1.00 | 1194.26 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 548 | 1331.38 | 1331.63 | Residential | 2067.78 | $ 1,501,207 | $ 750,604 | 1330.21 | -1.00 | 1330.21 | -1.00 | 1330.49 | -1.00 | 1330.48 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 326 | 1390.61 | 1390.86 | Residential | 6518.30 | $ 4,732,285 | $ 2,366,143 | 1390.62 | -0.24 | 1390.62 | -0.24 | 1390.64 | -0.22 | 1390.64 | -0.22 | 3.05 | $ 144,464 | 0.00 | $ - | $ 144,464.11 | 3.14 | $ 148,415 | 0.00 | $ - | $ 148,415.38 |
| 530 | 1331.84 | 1332.09 | Residential | 10819.21 | $ 7,854,744 | $ 3,927,372 | 1332.11 | 0.02 | 1332.11 | 0.02 | 1332.30 | 0.21 | 1332.31 | 0.21 | 4.4724121 | $ 351,297 | 0.66137694 | $ 25,975 | $ 377,271.27 | 10.3610839 | $ 813,837 | 8.90551746 | $ 349,753 | $ 1,163,589.48 |
| 323 | 1425.01 | 1425.26 | Residential | 9843.82 | $ 7,146,612 | $ 3,573,306 | 1424.74 | -0.52 | 1424.74 | -0.52 | 1424.79 | -0.47 | 1424.79 | -0.48 | 1.91 | $ 136,302 | 0.00 | $ - | $ 136,302.09 | 2.10 | $ 149,737 | 0.00 | $ - | $ 149,736.88 |
| 497 | 1320.51 | 1320.76 | Residential | 2723.39 | $ 1,977,179 | $ 988,590 | 0.00 | -1.00 | 0.00 | -1.00 | 147.26 | -1.00 | 147.25 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |

## 10-Year and 100-Year Proposed Building Damages in Area A

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 391 | 1323.62 | 1323.87 | Residential | 9604.68 | $ 6,972,994 | $ 3,486,497 | 1323.72 | -0.15 | 1323.65 | -0.22 | 1324.10 | 0.23 | 1324.10 | 0.23 | 3.14 | $ 218,757 | 0.00 | $ - | $ 218,757.27 | 10.79 | $ 752,099 | 9.50 | $ 331,226 | $ 1,083,325.18 |
| 319 | 1347.74 | 1347.99 | Residential | 5079.32 | $ 3,687,584 | $ 1,843,792 | 1347.48 | -0.52 | 1347.48 | -0.52 | 1347.77 | -0.23 | 1347.77 | -0.23 | 1.9375 | $ 71,447 | 0 | $ - | $ 71,446.94 | 3.0961914 | $ 114,175 | 0 | $ - | $ 114,174.66 |
| 492 | 1321.53 | 1321.78 | Residential | 1339.91 | $ 972,774 | $ 486,387 | 1320.63 | -1.00 | 1320.63 | -1.00 | 1320.71 | -1.00 | 1320.70 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 321 | 1334.36 | 1334.61 | Residential | 10459.22 | $ 7,593,394 | $ 3,796,697 | 961.07 | -1.00 | 961.06 | -1.00 | 1333.64 | -0.97 | 1333.64 | -0.97 | 0 | $ - | 0 | $ - | $ - | 0.125 | $ 9,492 | 0 | $ - | $ 9,491.74 |
| 90 | 1393.57 | 1393.82 | Residential | 10984.74 | $ 7,974,925 | $ 3,987,462 | 1393.79 | -0.03 | 1393.79 | -0.03 | 1393.94 | 0.12 | 1393.93 | 0.12 | 3.88 | $ 309,768 | 0.00 | $ - | $ 309,768.19 | 7.49 | $ 597,613 | 4.89 | $ 195,031 | $ 792,644.42 |
| 474 | 1319.47 | 1319.72 | Residential | 1083.36 | $ 786,522 | $ 393,261 | 485.09 | -1.00 | 485.10 | -1.00 | 485.20 | -1.00 | 485.17 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 484 | 1326.28 | 1326.53 | Residential | 17723.79 | $ 12,867,474 | $ 6,433,737 | 1326.15 | -0.38 | 1326.14 | -0.39 | 1326.45 | -0.08 | 1326.44 | -0.09 | 2.44 | $ 313,393 | 0.00 | $ - | $ 313,393.36 | 3.65 | $ 469,336 | 0.00 | $ - | $ 469,336.09 |
| 138 | 1340.89 | 1341.14 | Residential | 8006.64 | $ 5,812,823 | $ 2,906,411 | 1340.56 | -0.58 | 1340.56 | -0.58 | 1340.78 | -0.36 | 1340.79 | -0.36 | 1.67041016 | $ 97,098 | 0 | $ - | $ 97,097.98 | 2.56445312 | $ 149,067 | 0 | $ - | $ 149,067.12 |
| 29 | 1317.70 | 1317.95 | Residential | 511.14 | $ 371,090 | $ 185,545 | 1197.86 | -1.00 | 1197.85 | -1.00 | 1317.42 | -0.53 | 1317.42 | -0.53 | 0.00 | $ - | 0.00 | $ - | $ - | 1.86 | $ 6,918 | 0.00 | $ - | $ 6,918.07 |
| 231 | 1341.90 | 1342.15 | Residential | 5392.15 | $ 3,914,704 | $ 1,957,352 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 32 | 1318.65 | 1318.90 | Residential | 4524.83 | $ 3,285,027 | $ 1,642,514 | 1318.50 | -0.40 | 1318.50 | -0.40 | 1318.52 | -0.39 | 1318.51 | -0.39 | 2.39 | $ 78,436 | 0.00 | $ - | $ 78,436.44 | 2.44 | $ 80,313 | 0.00 | $ - | $ 80,313.14 |
| 257 | 1333.35 | 1333.60 | Residential | 9422.90 | $ 6,841,023 | $ 3,420,512 | 1333.63 | 0.02 | 1333.63 | 0.02 | 1333.75 | 0.15 | 1333.70 | 0.10 | 4.70 | $ 321,491 | 0.98 | $ 33,495 | $ 354,986.64 | 7.01 | $ 479,573 | 4.21 | $ 144,153 | $ 623,725.58 |
| 491 | 1324.09 | 1324.34 | Residential | 6194.34 | $ 4,497,094 | $ 2,248,547 | 1324.30 | -0.05 | 1324.22 | -0.13 | 1324.68 | 0.34 | 1324.67 | 0.32 | 3.49 | $ 156,871 | 0.00 | $ - | $ 156,871.29 | 13.62 | $ 612,685 | 13.47 | $ 302,961 | $ 915,646.15 |
| 223 | 1340.02 | 1340.27 | Residential | 4310.09 | $ 3,129,127 | $ 1,564,564 | 23.32 | -1.00 | 23.32 | -1.00 | 188.13 | -1.00 | 188.13 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 317 | 1346.67 | 1346.92 | Residential | 5732.43 | $ 4,161,744 | $ 2,080,872 | 1346.85 | -0.06 | 1346.85 | -0.06 | 1346.99 | 0.07 | 1346.99 | 0.07 | 3.74707028 | $ 155,943 | 0 | $ - | $ 155,943.49 | 6.2265625 | $ 259,134 | 3.1171875 | $ 64,865 | $ 323,998.30 |
| 350 | 1325.39 | 1325.64 | Residential | 9207.28 | $ 6,684,486 | $ 3,342,243 | 1325.32 | -0.32 | 1325.28 | -0.36 | 1325.65 | 0.01 | 1325.64 | 0.00 | 2.55 | $ 170,507 | 0.00 | $ - | $ 170,506.61 | 3.99 | $ 266,661 | 0.00 | $ - | $ 266,661.37 |
| 36 | 1310.52 | 1310.77 | Residential | 5860.59 | $ 4,254,790 | $ 2,127,395 | 1310.41 | -0.37 | 1310.41 | -0.36 | 1310.51 | -0.26 | 1310.51 | -0.27 | 2.54 | $ 108,073 | 0.00 | $ - | $ 108,073.34 | 2.94 | $ 125,026 | 0.00 | $ - | $ 125,026.02 |
| 205 | 1344.40 | 1344.65 | Residential | 10715.30 | $ 7,779,310 | $ 3,889,655 | 1344.06 | -0.59 | 1344.06 | -0.59 | 1344.11 | -0.54 | 1344.11 | -0.54 | 1.6464844 | $ 128,085 | 0 | $ - | $ 128,085.13 | 1.85107424 | $ 144,001 | 0 | $ - | $ 144,000.81 |
| 105 | 1423.56 | 1423.81 | Residential | 7121.88 | $ 5,170,483 | $ 2,585,241 | 1423.11 | -0.70 | 1423.11 | -0.70 | 1423.19 | -0.62 | 1423.19 | -0.62 | 1.21679688 | $ 62,914 | 0 | $ - | $ 62,914.27 | 1.52734376 | $ 78,971 | 0 | $ - | $ 78,971.04 |
| 236 | 1335.02 | 1335.27 | Residential | 7463.86 | $ 5,418,764 | $ 2,709,382 | 772.25 | -1.00 | 772.24 | -1.00 | 1334.27 | -1.00 | 1334.29 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 485 | 1320.88 | 1321.13 | Residential | 7138.89 | $ 5,182,831 | $ 2,591,415 | 1320.54 | -0.59 | 1320.54 | -0.59 | 1320.74 | -0.39 | 1320.68 | -0.45 | 1.66 | $ 85,917 | 0.00 | $ - | $ 85,916.56 | 2.20 | $ 113,805 | 0.00 | $ - | $ 113,804.64 |
| 276 | 1333.43 | 1333.68 | Residential | 582.30 | $ 422,748 | $ 211,374 | 1333.80 | 0.12 | 1333.76 | 0.09 | 1334.00 | 0.32 | 1333.98 | 0.31 | 6.59 | $ 27,855 | 3.62 | $ 7,662 | $ 35,517.13 | 13.18 | $ 55,707 | 12.85 | $ 27,158 | $ 82,864.18 |
| 232 | 1334.12 | 1334.37 | Residential | 6944.69 | $ 5,041,848 | $ 2,520,924 | 742.32 | -1.00 | 742.32 | -1.00 | 1334.19 | -0.18 | 1334.21 | -0.18 | 0 | $ - | 0 | $ - | $ - | 3.27734372 | $ 165,239 | 0 | $ - | $ 165,238.69 |
| 503 | 1335.00 | 1335.25 | Residential | 13617.09 | $ 9,886,006 | $ 4,943,003 | 1334.06 | -1.00 | 1334.06 | -1.00 | 1334.27 | -0.98 | 1334.27 | -0.98 | 0.00 | $ - | 0.00 | $ - | $ - | 0.08 | $ 7,820 | 0.00 | $ - | $ 7,819.99 |
| 64 | 1335.75 | 1336.00 | Residential | 8714.23 | $ 6,326,533 | $ 3,163,267 | 1335.57 | -0.44 | 1335.57 | -0.44 | 1335.61 | -0.39 | 1335.61 | -0.39 | 2.25 | $ 142,440 | 0.00 | $ - | $ 142,439.67 | 2.43 | $ 153,993 | 0.00 | $ - | $ 153,993.00 |
| 182 | 1332.38 | 1332.63 | Residential | 11920.23 | $ 8,654,087 | $ 4,327,044 | 228.28 | -1.00 | 228.27 | -1.00 | 888.27 | -1.00 | 982.05 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 430 | 1362.52 | 1362.77 | Residential | 9532.75 | $ 6,920,775 | $ 3,460,388 | 1360.53 | -1.00 | 1360.54 | -1.00 | 1360.63 | -1.00 | 1360.63 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 184 | 1331.65 | 1331.90 | Residential | 7792.51 | $ 5,657,361 | $ 2,828,681 | 1331.47 | -0.43 | 1331.47 | -0.43 | 1331.63 | -0.27 | 1331.64 | -0.27 | 2.29785156 | $ 129,998 | 0 | $ - | $ 129,997.76 | 2.9350586 | $ 166,047 | 0 | $ - | $ 166,046.86 |
| 204 | 1341.13 | 1341.38 | Residential | 1620.13 | $ 1,176,216 | $ 588,108 | 1341.03 | -0.36 | 1341.03 | -0.36 | 1341.13 | -0.25 | 1341.14 | -0.25 | 2.5791016 | $ 30,336 | 0 | $ - | $ 30,335.79 | 2.99560548 | $ 35,235 | 0 | $ - | $ 35,234.78 |
| 315 | 1338.98 | 1339.23 | Residential | 8432.94 | $ 6,122,312 | $ 3,061,156 | 1339.05 | -0.18 | 1339.05 | -0.18 | 1339.27 | 0.04 | 1339.28 | 0.04 | 3.29980468 | $ 202,024 | 0 | $ - | $ 202,024.33 | 5.1865234 | $ 317,535 | 1.66113276 | $ 50,850 | $ 368,385.00 |
| 449 | 1326.30 | 1326.55 | Residential | 512.23 | $ 371,880 | $ 185,940 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 125 | 1431.44 | 1431.69 | Residential | 10791.68 | $ 7,834,763 | $ 3,917,382 | 1430.37 | -1.00 | 1430.37 | -1.00 | 1430.49 | -1.00 | 1430.49 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 261 | 1344.98 | 1345.23 | Residential | 31570.81 | $ 22,920,407 | $ 11,460,203 | 1344.21 | -1.00 | 913.11 | -1.00 | 1344.65 | -0.58 | 1344.54 | -0.69 | 0.00 | $ - | 0.00 | $ - | $ - | 1.25 | $ 285,498 | 0.00 | $ - | $ 285,497.84 |
| 386 | 1324.50 | 1324.75 | Residential | 4437.01 | $ 3,221,266 | $ 1,610,633 | 228.38 | -1.00 | 228.38 | -1.00 | 1324.11 | -0.64 | 1324.10 | -0.65 | 0.00 | $ - | 0.00 | $ - | $ - | 1.40 | $ 45,095 | 0.00 | $ - | $ 45,094.58 |
| 414 | 1397.75 | 1398.00 | Residential | 6393.90 | $ 4,641,974 | $ 2,320,987 | 1395.84 | -1.00 | 1395.84 | -1.00 | 1396.06 | -1.00 | 1396.06 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 229 | 1338.56 | 1338.81 | Residential | 4433.88 | $ 3,218,996 | $ 1,609,498 | 1338.74 | -0.07 | 1338.74 | -0.07 | 1338.92 | 0.11 | 1338.92 | 0.11 | 3.7319336 | $ 120,131 | 0 | $ - | $ 120,130.81 | 7.28125 | $ 234,383 | 4.59375 | $ 73,936 | $ 308,319.50 |
| 431 | 1356.48 | 1356.73 | Residential | 3025.96 | $ 2,196,849 | $ 1,098,424 | 123.92 | -1.00 | 123.92 | -1.00 | 631.20 | -1.00 | 631.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 509 | 1325.09 | 1325.34 | Residential | 15430.55 | $ 11,202,578 | $ 5,601,289 | 1324.71 | -0.63 | 1324.71 | -0.63 | 1324.78 | -0.56 | 1324.78 | -0.56 | 1.49 | $ 166,398 | 0.00 | $ - | $ 166,397.67 | 1.75 | $ 196,100 | 0.00 | $ - | $ 196,099.82 |
| 440 | 1326.41 | 1326.66 | Residential | 5519.16 | $ 4,006,909 | $ 2,003,455 | 0.00 | -1.00 | 0.00 | -1.00 | 1326.24 | -0.42 | 1326.24 | -0.42 | 0.00 | $ - | 0.00 | $ - | $ - | 2.31 | $ 92,718 | 0.00 | $ - | $ 92,718.47 |
| 402 | 1327.14 | 1327.39 | Residential | 1014.49 | $ 736,520 | $ 368,260 | 481.85 | -1.00 | 481.85 | -1.00 | 1326.17 | -1.00 | 1326.17 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 542 | 1337.79 | 1338.04 | Residential | 1862.82 | $ 1,352,407 | $ 676,203 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 416 | 1398.89 | 1399.14 | Residential | 5128.78 | $ 3,723,492 | $ 1,861,746 | 1389.92 | -1.00 | 1389.92 | -1.00 | 1390.58 | -1.00 | 1390.58 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 569 | 1321.58 | 1321.83 | Residential | 6215.34 | $ 4,512,337 | $ 2,256,168 | 1321.17 | -0.67 | 1321.17 | -0.67 | 1321.20 | -0.64 | 1321.20 | -0.64 | 1.32 | $ 59,709 | 0.00 | $ - | $ 59,709.14 | 1.45 | $ 65,239 | 0.00 | $ - | $ 65,239.40 |
| 384 | 1326.34 | 1326.59 | Residential | 13713.92 | $ 9,956,308 | $ 4,978,154 | 1326.19 | -0.40 | 1326.19 | -0.40 | 1326.23 | -0.36 | 1326.23 | -0.36 | 2.42 | $ 240,497 | 0.00 | $ - | $ 240,497.35 | 2.56 | $ 254,741 | 0.00 | $ - | $ 254,741.48 |
| 66 | 1341.15 | 1341.40 | Residential | 7401.01 | $ 5,373,131 | $ 2,686,565 | 1341.20 | -0.20 | 1341.20 | -0.20 | 1341.30 | -0.10 | 1341.30 | -0.10 | 3.20263672 | $ 172,082 | 0 | $ - | $ 172,081.86 | 3.61328128 | $ 194,146 | 0 | $ - | $ 194,146.33 |
| 134 | 1653.63 | 1653.88 | Residential | 8993.07 | $ 6,528,966 | $ 3,264,483 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 94 | 1414.71 | 1414.96 | Residential | 1163.57 | $ 844,755 | $ 422,378 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 87 | 1398.25 | 1398.50 | Residential | 724.88 | $ 526,260 | $ 263,130 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 420 | 1364.99 | 1365.24 | Residential | 4334.78 | $ 3,147,053 | $ 1,573,527 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 85 | 1347.99 | 1348.24 | Residential | 4822.15 | $ 3,500,880 | $ 1,750,440 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 294 | 1346.60 | 1346.85 | Residential | 349.86 | $ 253,997 | $ 126,998 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 243 | 1342.10 | 1342.35 | Residential | 3590.12 | $ 2,606,425 | $ 1,303,213 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 471 | 1339.29 | 1339.54 | Residential | 3984.20 | $ 2,892,527 | $ 1,446,264 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0.00 | $ - | $ - | 0 | $ - | 0.00 | $ - | $ - |
| 473 | 1337.74 | 1337.99 | Residential | 5738.70 | $ 4,166,293 | $ 2,083,146 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 70 | 1337.13 | 1337.38 | Residential | 428.49 | $ 311,081 | $ 155,540 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 466 | 1333.18 | 1333.43 | Residential | 4856.25 | $ 3,525,640 | $ 1,762,820 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 247 | 1330.67 | 1330.92 | Residential | 324.60 | $ 235,659 | $ 117,830 | 1329.61 | -1.00 | 1329.61 | -1.00 | 0.00 | -1.00 | 1331.19 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 486 | 1328.38 | 1328.63 | Residential | 10080.08 | $ 7,318,139 | $ 3,659,070 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 418 | 1326.27 | 1326.52 | Residential | 642.45 | $ 466,418 | $ 233,209 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 577 | 1325.04 | 1325.29 | Residential | 6459.08 | $ 4,689,290 | $ 2,344,645 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 273 | 1343.59 | 1343.84 | Residential | 2568.08 | $ 1,864,428 | $ 932,214 | 64.58 | -1.00 | 64.58 | -1.00 | 86.11 | -1.00 | 86.12 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 562 | 1318.27 | 1318.52 | Residential | 6529.13 | $ 4,740,151 | $ 2,370,076 | 0.00 | -1.00 | 0.00 | -1.00 | 68.31 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 201 | 1336.36 | 1336.61 | Residential | 10297.53 | $ 7,476,003 | $ 3,738,002 | 153.83 | -1.00 | 153.83 | -1.00 | 153.83 | -1.00 | 153.84 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 245 | 1340.43 | 1340.68 | Residential | 941.45 | $ 683,496 | $ 341,748 | 0.00 | -1.00 | 0.00 | -1.00 | 213.48 | -1.00 | 213.49 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 305 | 1341.91 | 1342.16 | Residential | 6338.38 | $ 4,601,667 | $ 2,300,833 | 216.16 | -1.00 | 216.16 | -1.00 | 216.17 | -1.00 | 216.17 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 372 | 1326.69 | 1326.94 | Residential | 1276.52 | $ 926,755 | $ 463,378 | 0.00 | -1.00 | 0.00 | -1.00 | 206.81 | -1.00 | 206.82 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 226 | 1098.42 | 1098.67 | Residential | 691.10 | $ 501,735 | $ 250,868 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 6 | 1318.58 | 1318.83 | Residential | 8429.50 | $ 6,119,817 | $ 3,059,909 | 220.78 | -1.00 | 220.78 | -1.00 | 220.79 | -1.00 | 220.79 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 513 | 1335.01 | 1335.26 | Residential | 526.95 | $ 382,565 | $ 191,282 | 0.00 | -1.00 | 0.00 | -1.00 | 252.12 | -1.00 | 252.12 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 47 | 1318.51 | 1318.76 | Residential | 5281.01 | $ 3,834,015 | $ 1,917,007 | 349.96 | -1.00 | 349.96 | -1.00 | 349.97 | -1.00 | 349.97 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 31 | 1318.31 | 1318.56 | Residential | 924.64 | $ 671,292 | $ 335,646 | 175.74 | -1.00 | 175.73 | -1.00 | 392.23 | -1.00 | 392.23 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 175 | 1346.66 | 1346.91 | Residential | 1148.33 | $ 833,687 | $ 416,843 | 0.00 | -1.00 | 0.00 | -1.00 | 444.16 | -1.00 | 444.16 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 248 | 1340.61 | 1340.86 | Residential | 2664.64 | $ 1,934,529 | $ 967,265 | 0.00 | -1.00 | 0.00 | -1.00 | 442.03 | -1.00 | 442.04 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 250 | 1341.47 | 1341.72 | Residential | 7701.93 | $ 5,591,604 | $ 2,795,802 | 0.00 | -1.00 | 0.00 | -1.00 | 460.08 | -1.00 | 460.08 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 576 | 1331.62 | 1331.87 | Residential | 617.80 | $ 448,524 | $ 224,262 | 505.16 | -1.00 | 505.17 | -1.00 | 505.22 | -1.00 | 505.23 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 570 | 1320.14 | 1320.39 | Residential | 11790.86 | $ 8,560,166 | $ 4,280,083 | 506.07 | -1.00 | 505.97 | -1.00 | 506.25 | -1.00 | 506.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 523 | 1326.63 | 1326.88 | Residential | 7607.83 | $ 5,523,283 | $ 2,761,642 | 524.98 | -1.00 | 524.98 | -1.00 | 525.04 | -1.00 | 525.05 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 202 | 1275.49 | 1275.74 | Residential | 2124.08 | $ 1,542,082 | $ 771,041 | 0.00 | -1.00 | 0.00 | -1.00 | 477.18 | -1.00 | 477.19 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 9 | 763.59 | 763.84 | Residential | 417.29 | $ 302,950 | $ 151,475 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0.00 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |

## 10-Year and 100-Year Proposed Building Damages in Area A

| | | | | | | | | | | | | | | | Proposed | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Building ID | HAG | Finished Floor Elevation (ft) | Land Use Type | Building Area (sf) | Replace Cost $ ($726/SF-Res) | Content Replacement Value ($) 1/2 of Replacement Cost | 10yr Exist WSEL (ft) | 10yr Exist Flow Depth (ft) | 10yr Prop WSEL (ft) | 10yr Prop Flow Depth (ft) | 100yr Exist WSEL (ft) | 100yr Exist Flow Depth (ft) | 100yr Prop WSEL (ft) | 100yr Prop Flow Depth (ft) | 10yr Building Damage (%) | 10yrBuilding Damage Cost ($) | 10yr Content Damage (%) | 10yr Content Damage Cost ($) | 10yr Total Damage Cost ($) | 100yr Building Damage (%) | 100yrBuilding Damage Cost ($) | 100yr Content Damage (%) | 100yr Content Damage Cost ($) | 100yr Total Damage Cost ($) |
| 52 | 1346.47 | 1346.72 | Residential | 7442.51 | $ 5,403,259 | $ 2,701,630 | 149.36 | -1.00 | 149.36 | -1.00 | 599.70 | -1.00 | 599.70 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 136 | 1341.26 | 1341.51 | Residential | 8006.87 | $ 5,812,987 | $ 2,906,493 | 266.48 | -1.00 | 266.48 | -1.00 | 623.67 | -1.00 | 623.66 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 357 | 1322.47 | 1322.72 | Residential | 4760.72 | $ 3,456,285 | $ 1,728,142 | 0.00 | -1.00 | 0.00 | -1.00 | 618.21 | -1.00 | 618.20 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 23 | 1316.47 | 1316.72 | Residential | 5702.06 | $ 4,139,693 | $ 2,069,847 | 619.59 | -1.00 | 619.59 | -1.00 | 619.65 | -1.00 | 619.64 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 137 | 1343.10 | 1343.35 | Residential | 12613.34 | $ 9,157,283 | $ 4,578,641 | 692.83 | -1.00 | 692.83 | -1.00 | 692.84 | -1.00 | 692.84 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 475 | 1322.99 | 1323.24 | Residential | 4541.68 | $ 3,297,259 | $ 1,648,629 | 83.56 | -1.00 | 83.56 | -1.00 | 688.76 | -1.00 | 688.75 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 249 | 1339.78 | 1340.03 | Residential | 5162.03 | $ 3,747,637 | $ 1,873,818 | 758.09 | -1.00 | 758.09 | -1.00 | 758.09 | -1.00 | 758.09 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 1 | 1317.42 | 1317.67 | Residential | 1455.68 | $ 1,056,823 | $ 528,411 | 747.59 | -1.00 | 747.60 | -1.00 | 747.62 | -1.00 | 747.63 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |
| 494 | 1321.28 | 1321.53 | Residential | 1256.14 | $ 911,959 | $ 455,980 | 754.22 | -1.00 | 754.23 | -1.00 | 754.23 | -1.00 | 754.24 | -1.00 | 0 | $ - | 0 | $ - | $ - | 0 | $ - | 0 | $ - | $ - |

# XXI. APPENDIX I - GRANT FUNDING INFORMATION

**TOWN OF PARADISE VALLEY FUNDING OPPORTUNITY MATRIX**
**MAY 20, 2025**

Kimley

| # | Grant Name | Agency | Funding Max | Required Match | Date Open | Date Due | Priorities | Types of Projects | Link to Site |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Pre-Disaster Mitigation Grant Program** | Federal Emergency Management Agency - FEMA | In FY24 NOFO, up to $10 Million awarded. | Yes. 75%/25% 25% cash, donated or third-party in-kind services, materials, or any combination. Cost share for the PDM program is adjusted to 90% federal and 10% nonfederal for the following communities:<br>• Local governments meeting the definition of small impoverished community<br>• Federally recognized tribes meeting the definition of small impoverished community | For FY2024 application opening date was May 22, 2024. Has happened annually but has not opened yet (most likely due to the changes at the federal level regarding FEMA). | For FY2024, the application closing date was June 28, 2024 | The Pre-Disaster Mitigation (PDM) Grant Program makes federal funds available to state, local, tribal, and territorial governments to plan for and implement sustainable cost-effective measures designed to reduce the risk to individuals and property from future natural hazards, while also reducing reliance on federal funding from future disasters. | • Capability and Capacity-Building activities – activities that enhance the knowledge, skills, and expertise of the current workforce to expand or improve the administration of mitigation assistance. This includes activities in the following sub-categories:<br>project scoping, hazard mitigation planning and planning-related activities, and other activities;<br>• Hazard Mitigation Projects – cost-effective projects designed to increase resilience and public safety; reduce injuries and loss of life; and reduce damage and destruction to property, critical services, facilities, and infrastructure (including natural systems) from a multitude of natural hazards, including drought, wildfire, earthquakes, extreme heat, and the effects of climate change;<br>• Management Costs – financial assistance to reimburse the recipient and subrecipient for eligible and reasonable indirect costs, direct administrative costs, and other administrative expenses associated with a specific mitigation measure or project. | https://www.fema.gov/grants/mitigation/learn/pre-disaster |
| 2 | **Hazard Mitigation Grant Program (HMGP)** | Federal Emergency Management Agency (FEMA) | Varies | Yes. 75% Grant 25% Match Required | Funding is historically available following a Presidentially-declared disaster | Varies | FEMA's Hazard Mitigation Grant Program provides funding to state, local, tribal and territorial governments so they can develop hazard mitigation plans and rebuild in a way that reduces, or mitigates, future disaster losses in their communities. This grant funding is available after a presidentially declared disaster.<br><br>In this program, homeowners and businesses cannot apply for a grant. However, a local community may apply for funding on their behalf.<br><br>All state, local, tribal and territorial governments must develop and adopt hazard mitigation plans to receive funding for hazard mitigation project application. | Projects that involve: 1. Protection or purchasing public or private property that experienced, or is in danger of experiencing, repetitive damage, 2. Purchasing and removing a flood-prone property from an individual, 3. Developing and adopting hazard mitigation plans, which are required for state, local, tribal and territorial governments to receive funding for their hazard mitigation projects, or 4. Using aquifer storage and recovery, floodplain and street restoration, flood diversion and storage, or green infrastructure methods that may reduce the impacts of flood and drought. Projects that include long-term efforts to reduce the impacts of future disasters. Examples include flood mitigation projects. | https://www.fema.gov/grants/mitigation/learn/hazard-mitigation |
| 3 | Safeguarding Tomorrow Revolving Loan Fund Program (RLF) - Congressional spending | Federal Emergency Management Agency (FEMA) | 25% | Capitalization grant recipients must deposit an amount that is at least 10% of the amount of the grant into the loan fund, as a condition of receiving funding. | 5/1/2025 | 6/1/2025 | The Safeguarding Tomorrow Revolving Loan Fund (RLF) program is authorized under Section 205 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act to provide capitalization grants to states, eligible federally recognized tribes, territories and the District of Columbia to establish revolving loan funds that provide hazard mitigation assistance for local governments to reduce risks from natural hazards and disasters.<br><br>These low-interest loans will allow jurisdictions to reduce vulnerability to natural disasters, foster greater community resilience and reduce disaster suffering.<br>Eligible entities are:<br>- States<br>- Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, and the District of Columbia<br>- Federally recognized tribes that received a direct major disaster declaration are eligible to apply for funding as an entity in this new program. Tribal entities may provide a loan to any authorized tribal organization, including a sub-component within their respective governmental structures. Additionally, Indian tribes located within a participating entity (such as a state or territory) may also apply for a loan under a participating entity's revolving loan fund.<br><br>The priorities of the Safeguarding Tomorrow RLF program are to:<br>Empower Entities. FEMA will collaborate with eligible entities to help them increase their capacity and capability, through focused engagement activities leading up to the application period and providing increased technical assistance during the Year 1 application period.<br>Create innovative funding solutions. Applicants can leverage loans for non-federal cost share with other FEMA Hazard Mitigation Assistance programs, helping underserved communities access additional funding resources.<br>Deliver equitable investments and increased access. A goal of the Safeguarding Tomorrow RLF program is that 40% of the overall benefits generated by the entity loan funds flow to underserved communities.<br>Reduce grant application complexity. The goal of launching this effort is to reduce program complexity by breaking down barriers and increasing access to mitigation funding. | The Safeguarding Tomorrow RLF program complements and supplements FEMA's Hazard Mitigation Assistance grant portfolio to support mitigation projects at the local government level and increase the nation's resilience to natural hazards. | https://www.fema.gov/grants/mitigation/learn/storm-rlf |
| 4 | Flood Mitigation Assistance (FMA) Program | Federal Emergency Management Agency (FEMA) | $30 million for Community Flood Mitigation Projects<br><br>Individual Project $300,000<br><br>Community Project $900,000 | 25% non-federal funds required as local match | Application Opening for FY2023 was October 16, 2023. Has happened annually but has not opened yet (most likely due to the changes at the federal level regarding FEMA). | Application deadline for FY2023 was February 29,2024 on FEMA GO Portal | The Flood Mitigation Assistance grant program is a competitive program that provides funding to state, territory and local governments and, federally recognized Tribal Nations. Since the National Flood Insurance Reform Act of 1994 was signed into law, funds are used for projects to reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program. | Flood Mitigation Assistance funds may be used for projects such as Project Scoping; Technical Assistance; Community Flood Mitigation Projects; Individual Structure/Property-Level Flood Mitigation Projects; and Management Costs. Types of Projects/ Activities:<br>Localized flood control, floodwater storage and diversion, floodplain and stream restoration, stormwater management, wetland restoration / creation. | https://www.fema.gov/grants/mitigation/learn/flood-mitigation-assistance/after-you-apply/previous-fiscal-year-subapplication-statuses/fy22-status |

**TOWN OF PARADISE VALLEY FUNDING OPPORTUNITY MATRIX**
**MAY 20, 2025**

Kimley

| # | Grant Name | Agency | Funding Max | Required Match | Date Open | Date Due | Priorities | Types of Projects | Link to Site |
|---|---|---|---|---|---|---|---|---|---|
| 5 | **Community Development Block Grant Program (CDBG Annual Competition) (HUD Funds)** | U.S. Department of Housing and Urban Development (HUD) | Competitive Fund. Up to $450,000 Community Enhancement Fund. Up to $250,000. Planning Fund. Unlisted. Economic Development Fund. Up to $250,000 | Generally no required match for entitlement communities; however, states may need to provide a dollar-for-dollar match if they exceed $100,000 in administrative costs, up to a maximum of 3% of their total CDBG allocation. | *FY2024 applications opened September 2, 2025* | *FY2024 applications close on October 31, 2025* | All projects must meet one of the three national objectives: Benefit at least 51% of low and moderate-income persons. Aid in the prevention or clearance of slum and blight (meet an urgent need). Eligible grantees are as follows:<br><br>Principal cities of Metropolitan Statistical Areas (MSAs)<br>Other metropolitan cities with populations of at least 50,000<br>Qualified Urban Counties with populations of at least 200,000 (excluding the population of entitled cities)<br>States and insular areas<br>Eligibility for participation as an entitlement community is based on population data provided by the U.S. Census Bureau and metropolitan area delineations published by the Office of Management and Budget. HUD determines the amount of each entitlement grantee's annual funding allocation by a statutory dual formula which uses several objective measures of community needs, including the extent of poverty, population, housing overcrowding, age of housing and population growth lag in relationship to other metropolitan areas.<br><br>Eligibility for participation as a state - 49 States and Puerto Rico participate in the State CDBG Program. HUD continues to administer the program for the non-entitled counties in the State of Hawaii because the State has permanently elected not to participate in the State CDBG Program. HUD distributes funds to each State based on a statutory formula which takes into account population, poverty, incidence of overcrowded housing, and age of housing.<br><br>States participating in the CDBG Program award grants only to non-entitlement Units of General Local Government (UGLG). | CDBG funds may be used for activities which include, but are not limited to:<br>- Acquisition of real property<br>- Relocation and demolition<br>- Rehabilitation of residential and non-residential structures<br>- Construction of public facilities and improvements, such as water and sewer facilities, streets, neighborhood centers, and the conversion of school buildings for eligible purposes<br>- Public services, within certain limits<br>- Activities relating to energy conservation and renewable energy resources<br>- Provision of assistance to profit-motivated businesses to carry out economic development and job creation/retention activities<br><br>Each activity must meet one of the following national objectives for the program: benefit low- and moderate-income persons, prevention or elimination of slums or blight, or address community development needs having a particular urgency because existing conditions pose a serious and immediate threat to the health or welfare of the community for which other funding is not available. Generally, the following types of activities are ineligible:<br>- Acquisition, construction, or reconstruction of buildings for the general conduct of government<br>- Political activities<br>- Certain income payments<br>- Construction of new housing (with some exceptions) | https://www.hud.gov/hud-partners/community-cdbg#eg |
| 6 | **Water Infrastructure Finance and Innovation Act Program (WIFIA)** | U.S. Environmental Protection Agency (EPA) | Varies | Loan | Rolling | Continuous review cycle. No fixed deadline. | Like a bank, the WIFIA program has funding available on an ongoing basis. This allows prospective borrowers to request financing on their schedule. A rolling selection process allows EPA to provide year-round access to WIFIA funding and quicker selection decisions to prospective borrowers. In addition, under this iterative, rolling selection process, the WIFIA program can provide technical assistance to prospective borrowers that need support to complete their Letter of Interest (LOI) package.<br><br>In the most recent Notices of Funding Availability, the WIFIA Program announced availability of an estimated $7.5 billion—$6.5 billion for WIFIA and $1 billion for SWIFIA—in financing to support approximately $15 billion in water infrastructure projects. | Since 2018, the WIFIA program has provided billions of dollars in loans to communities across the country and has an active pipeline of future projects. These projects will help mitigate the impacts of drought, replace lead service lines, manage stormwater, address PFAS and other emerging contaminants, and modernize aging infrastructure. | https://www.epa.gov/wifia/wifia-available-funding |
| 7 | **Corps Water Infrastructure Financing Program (CWIFP)*** | U.S Army Corps of Engineers | CWIFP can provide credit assistance of up to 49% of the total project costs and up to 80% of project costs in some cases. | Loan | Open | Once a completed application is received, USACE will work with the applicant to expeditiously as possible move towards issuance of a loan. | The Corps Water Infrastructure Financing Program (CWIFP) is the U.S. Army Corps of Engineers' (Corps) new credit assistance program, also authorized by WIFIA, for non-federal dam safety projects. To be eligible for CWIFP credit assistance, a prospective borrower must be either a Local, State or Tribal Government, a Private Corporation, or a State Revolving Fund Program. Additionally multiple entities may apply for a single project under a joint application. | *Long-term, low cost credit assistance for water resource infrastructure projects **(currently limited to dam safety projects that are non-federally owned, operated, and maintained)**<br>Funding of up to 49% of project costs (can fund up to 80% of project costs in some cases)<br>Big impact to infrastructure with low cost and risk to taxpayers<br>Available to individual projects or a group of projects with eligible costs in excess of $20 million<br>Accelerates construction<br>Local control and ownership of the project are maintained.<br>Note: This opportunity is typically available for other water infrastructure projects. Has now been limited to just DAM projects, possibly because of budget restructuring. Keep in mind for future potential applicants.<br>Eligible Costs:<br>- Development-phase activities<br>- Construction, reconstruction, rehab, and replacement activities.<br>- Acquisition of property used to mitigate environmental impacts of eligible projects.<br>- Capitalized interest, reserve funds, issuance costs, and other project carrying costs during construction.<br><br>CWIFP is available for credit assistance to dam safety projects that support:<br>- Flood damage reduction, hurricane, and storm damage reduction<br>- Environmental restoration<br>- Coastal or inland harbor navigation improvement, or inland and intracoastal waterways navigation improvement.<br><br>CWIFP focuses on projects that are not federally authorized. Non-federal projects that have received federal appropriations may be eligible under certain circumstances. | https://www.usace.army.mil/Missions/Civil-Works/Infrastructure/revolutionize/CWIFP/ |

**TOWN OF PARADISE VALLEY FUNDING OPPORTUNITY MATRIX**
**MAY 20, 2025**

Kimley

| # | Grant Name | Agency | Funding Max | Required Match | Date Open | Date Due | Priorities | Types of Projects | Link to Site |
|---|---|---|---|---|---|---|---|---|---|
| 8 | **Fiscal Year 2023 Public Works and Economic Adjustment Assistance (PWEAA) Application Submission and Program** | U.S Economic Development Administration (EDA) | Generally funds 50% but may fund up to 80%. In the past, the average size of a Public Works investment has been approximately $1.4 million. In FY2024, EDA expects investments ranging from $600,000 to $5 million. The average size of an EAA investment has been approximately $650,000, and EDA expects to make investments ranging from $150,000 to $2.5 million in FY2024. ACC, NCC, and BCC awards generally have ranged from $500,000 to $3 million for implementation projects and from $100,000 to $350,000 for planning activities. EDA anticipates making similar sized awards, subject to the availability of funding. | 20% to 50% | Opened in 2023 | There are no application submission deadlines. Applications will be accepted on an ongoing basis until the publication of a new PWEAA NOFO, cancellation of this PWEAA NOFO, or all available funds have been expended. | The Economic Development Administration's (EDA's) mission is to lead the Federal economic development agenda by promoting innovation and competitiveness, preparing American regions for economic growth and success in the worldwide economy. EDA fulfills this mission through strategic investments and partnerships that create the regional economic ecosystems required to foster globally competitive regions throughout the United States. EDA supports development in economically distressed areas of the United States by fostering job creation and attracting private investment. Under this NOFO, EDA solicits applications from applicants in order to provide investments that support construction, non construction, planning, technical assistance, and revolving loan fund projects under EDA's Public Works program and EAA program (which includes Assistance to Coal Communities, Nuclear Closure Communities, and Biomass Closure Communities). Grants and cooperative agreements made under these programs are designed to leverage existing regional assets and support the implementation of economic development strategies that advance new ideas and creative approaches to advance economic prosperity in distressed communities, including those negatively impacted by changes to the coal economy and nuclear power plant closures. | Water and sewer improvement projects included in this. Agency will fund a wide range of projects excluding the following: Some projects are generally ineligible under this NOFO, including projects that are primarily residential in nature (e.g., housing), projects to create community amenities (e.g., swimming pools, zoos, recreational centers), projects that support casinos or gaming, projects that support general governmental or public safety functions (e.g., buildings to house municipal government, firehouses, public safety equipment), and requests for funding to supplement operating budgets or replace lost revenue (including lost tax revenue). Applicants who are unsure whether their proposed project is eligible under this NOFO should consult the appropriate EDA Regional Office Point of Contact (POC) listed in section G. | https://www.eda.gov/funding/funding-opportunities/fiscal-year-2023-public-works-and-economic-adjustment-assistance |
| 9 | **Sewer Overflow and Stormwater Reuse Municipal Grants Program** | U.S Environmental Protection Agency | 11/01/41 | The federal share for awards shall be 80% of the total award. The state grant recipients are required to provide a non-federal cost share/match for the remaining 20% of the total award, unless reduced by EPA after verifying that the sub-award will support rural (population of 10,000 of less) and/or financially distressed communities as defined by the state. | 05/09/24 | States are under a Region and are allocated a certain amount of funding. For Arizona (Region 9), an allocation of $344,000 has been applied. | Funding for the planning, design and construction of critical stormwater infrastructure projects in communities including combined sewer overflows (CSO) and sanitary sewer overflows (SSO). Managing runoff remains a complex environmental challenge for local communities across the country, especially due to the rise in extreme weather events. The program can help facilitate the development of infrastructure capable of coping with the changing climate's impacts, such as increased precipitation events.<br><br>**EPA allocates grant funding to states, the District of Columbia, and territories, which then provide sub-awards to eligible entities for projects that address infrastructure needs for CSOs, SSOs and stormwater management.**<br>Projects under the program have many of the same program requirements as the CWSRF and, to the extent that eligible projects are available, at least 20% of a state's allocation must be used for green infrastructure, water conservation improvements, energy efficiency improvements or environmentally innovative activities that advance climate resilience and adaptation. | Eligible projects generally fall under three main categories:<br>- Correcting CSOs.<br>- Correcting SSOs.<br>- Addressing stormwater and subsurface drainage needs.<br>Examples of climate adaptation and resilience projects supported by this program include:<br>Planning and design activities that increase the resilience of treatment works to manmade or natural disasters, such as extreme weather events and sea-level rise, including assessing future risks and vulnerabilities.<br>Stormwater or subsurface drainage projects that develop or implement watershed pilot projects related to watershed-wide management, stormwater best practices, integrated water resource planning and forming watershed partnerships.<br>Rainwater harvesting collection, storage, management and distribution systems.<br>Green infrastructure solutions such as green roofs, green streets, bioretention/bioswales (e.g., rain gardens, tree boxes), permeable pavement and the replacement of gray infrastructure.<br>Creating, protecting and restoring wetlands, shoreline and riparian areas.<br>Nature-based solutions, such as the establishment or restoration of urban tree canopy.<br>Watershed management activities related to integrated planning, partnership formation, wet weather discharge and stormwater best management practices. | https://www.epa.gov/resilient-investments/sewer-overflow-and-stormwater-reuse-municipal-grants-program |
| 10 | **Defense Community Infrastructure Program** | Department of Defense | No award can exceed $20 million or be less than $250,000 | Grant recipients must agree to contribute not less than thirty percent (30%) of the total funding required for the community infrastructure project as a local cost share. For example, if the total project cost is $10 million, the required local cost share is $3 million for a $7 million Defense Community Infrastructure Program award. A proposal that does not commit to this required cost sharing, and is not subject to an exception below, will be deemed ineligible and removed from further consideration. | 05/01/25 | 5pm PDT on June 23, 2025 | Executive Summary: This Notice of Funding Opportunity Forecast (Forecast) forecasts potential funding from the Office of Local Defense Community Cooperation under the Defense Community Infrastructure Program to assist state and local governments, and not-for-profit, member-owned utilities, in addressing deficiencies in community infrastructure supportive of a military installation. For purposes of the Defense Community Infrastructure Program, "Community Infrastructure" includes projects related to transportation; schools; hospitals; police, fire, or emergency response, or other community support facilities; and utility projects (e.g., water, wastewater, telecommunications, electric and natural gas facilities). The facility or project itself must be owned by a state or local government, or a not-for-profit, member-owned utility. The facility addressed in the application must not be located on a military installation unless it is on property under the jurisdiction of a military department that is also subject to a real estate agreement (including a lease or an easement) held by an eligible community. | Eligible community infrastructure projects are any complete and usable transportation project; community support facility (e.g., school, hospital, police, fire, emergency response, or other community support facility); and utility infrastructure project (e.g., water, wastewater, telecommunications, electric, gas, or other utility infrastructure (with necessary cyber safeguards)) that:<br>• are on land located off of a military installation or on property under the jurisdiction of a Secretary of a military department that is subject to a real estate agreement allowing the project or facility to be located on military property (including a lease or easement);<br>• support a military installation;<br>• are owned by a state, local government, or a not-for-profit, member-owned utility service;<br>• are supported by the installation commander representing the installation benefitting from the proposed project;<br>• are where ground-disturbing work has not yet commenced; and,<br>• are construction-ready so that the project can be completed within five (5) years of grant award. | https://www.grants.gov/search-results-detail/358802 |