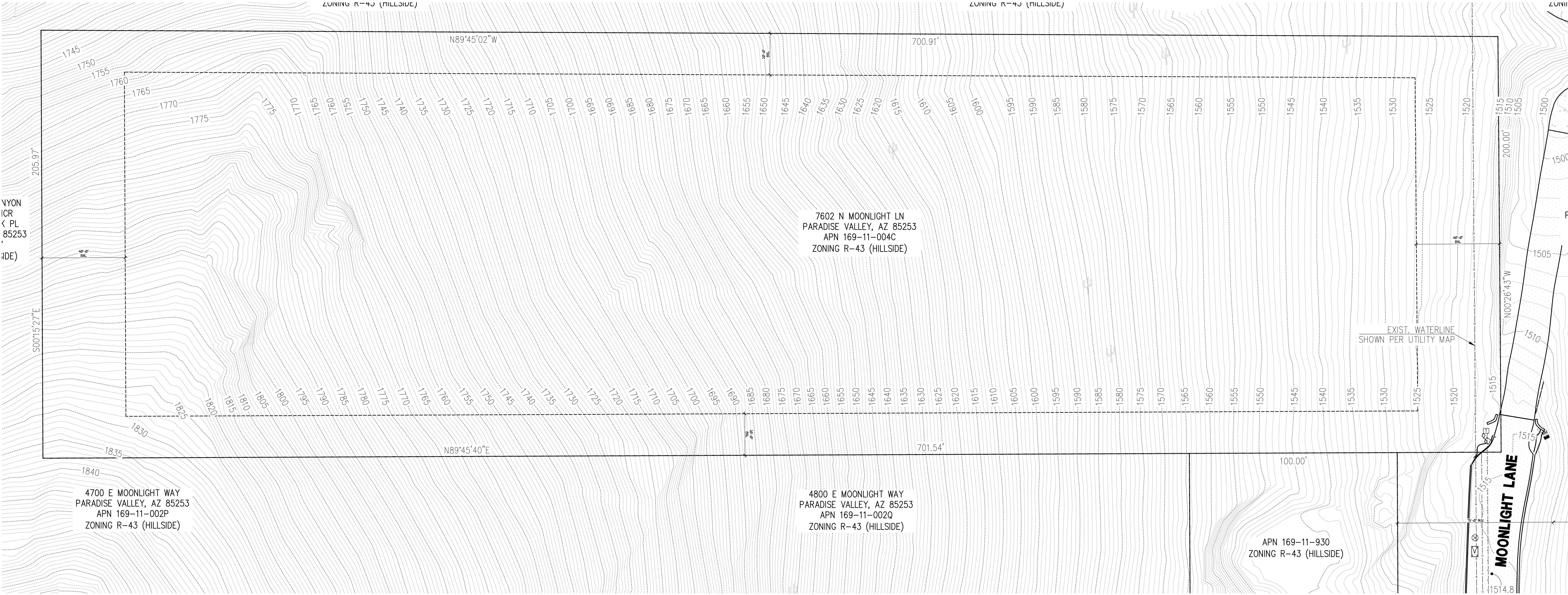
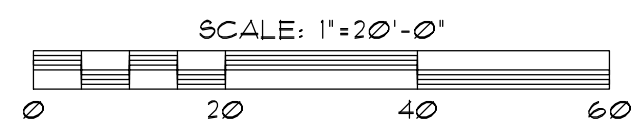
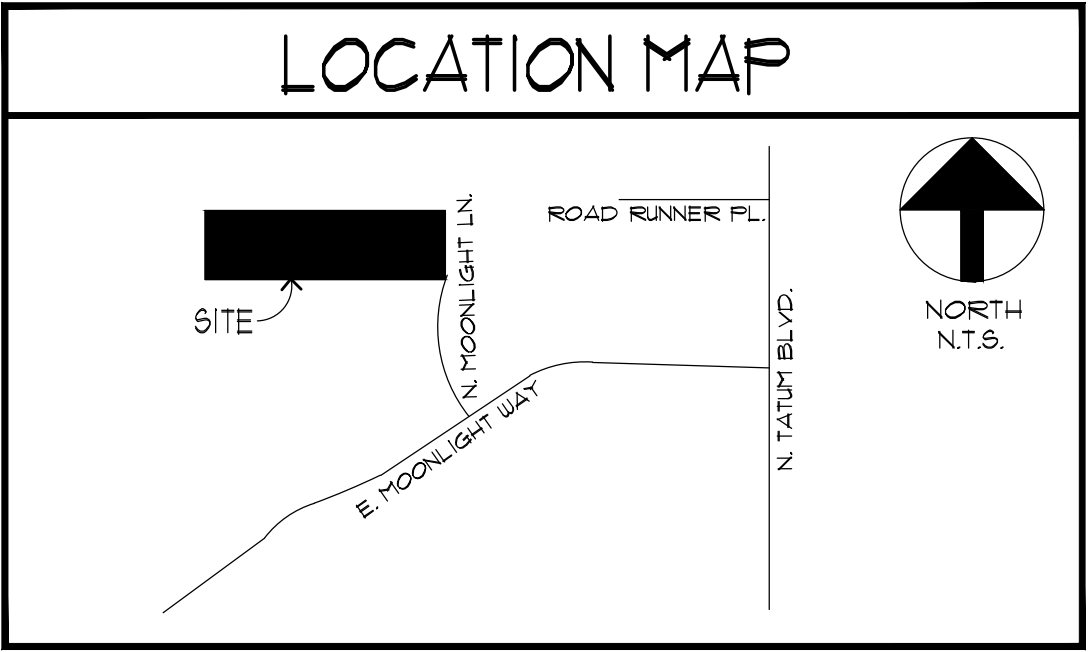
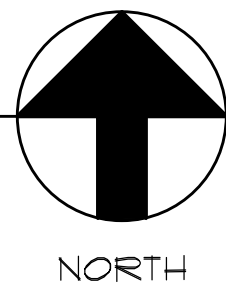




EXISTING SITE PLAN



SCALE: 1" = 20'-0"



PRELIMINARY NOT FOR CONSTRUCTION

EXPIRES: 3/31/2024
DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 102
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

EXISTING SITE PLAN

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

AE1



PIC. 1



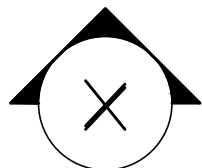
PIC. 2



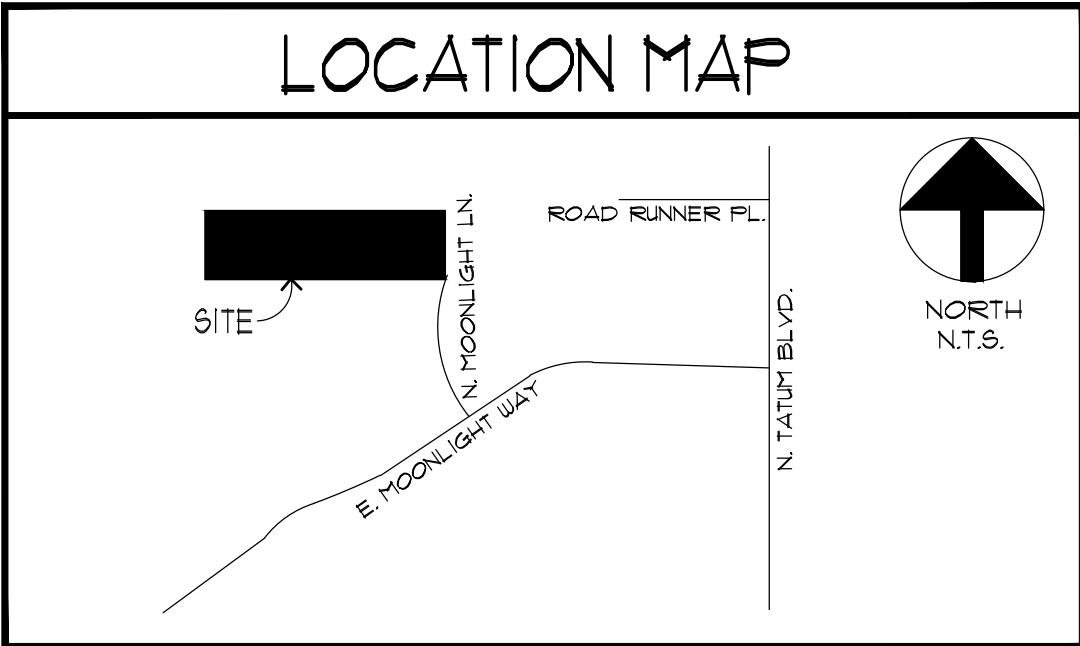
PIC. 3



PIC. 4



EXISTING PICTURES



PRELIMINARY NOT FOR CONSTRUCTION

DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 102
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

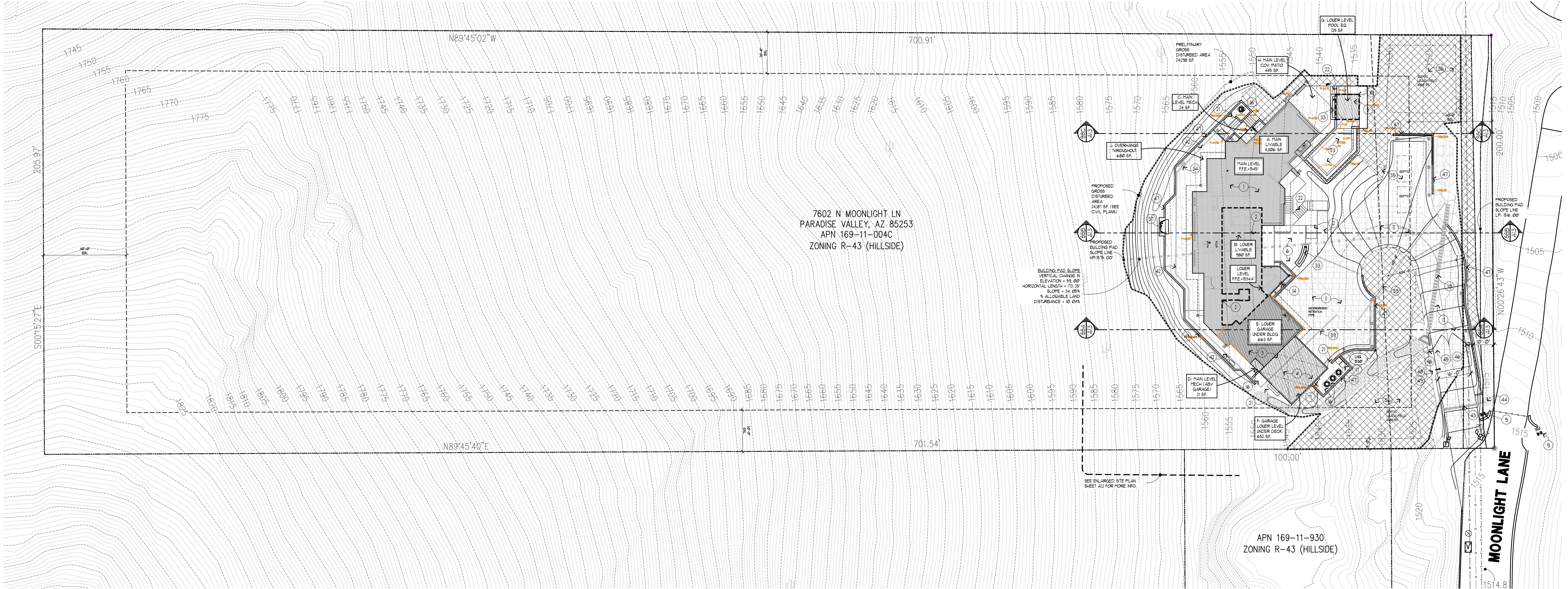
EXISTING SITE PLAN
WITH AERIAL

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER
AE2

EXPIRES: 3/31/2024



PRELIMINARY NOT FOR CONSTRUCTION

DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

ARCHITECTURAL SITE PLAN

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A1

ABBREVIATIONS:

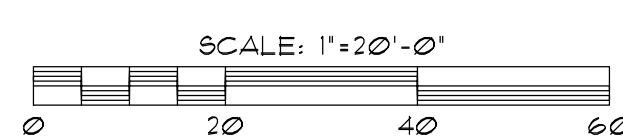
VERIFY ALL HEIGHT ELEVATION INFORMATION WITH CIVIL PLANS

C: TOP OF CONC
D: TOP OF DECK
F: TOP OF FINISH FLOOR
FG: FINISH GRADE (ON HIGHER SIDE)
NG: NATURAL GRADE
BW: BOTTOM OF WALL
TS: TOP OF RAILING
TW: TOP OF WALL
TRW: TOP OF RETAINING WALL

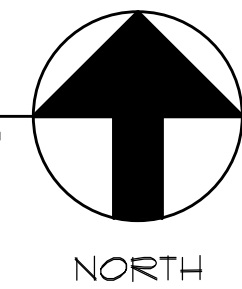
SYMBOL LEGEND:

MAIN LEVEL - LIVABLE
LOWER LEVEL - GARAGE, POOL, EQ.

ARCHITECTURAL SITE PLAN



SCALE: 1" = 20'-0"



DISTURBED AREA CALCULATIONS:

AREA OF LOT:	142,335 SF. (3,268 AC.)
AREA UNDER ROOF:	1,911 SF.
FLOOR AREA RATIO:	1,911 SF. / 142,335 SF = 5.56%
BUILDING PAD SLOPE:	34.41% VERTICAL: 51' HORIZONTAL: 165.61'
ALLOWABLE NET DISTURBED AREA:	142,900 SF. (10.04%)
EXIST. DISTURBED AREA:	2,849 SF. (2%)
GROSS PROPOSED DISTURBED AREA:	24,187 SF.
LESS TEMP. AREAS OF DISTURBANCE TO BE RESTORED & REVEG:	6,692 SF.
LESS BLDG. FOOTPRINT AREA:	5,122 SF.
PROPOSED NET DISTURBED AREA:	12,313 SF. (8.16%)
TOTAL DISTURBED AREA: (APPROVED VARIANCE BA-22-05)	15,222 SF. (10.16%)
ALLOWED SLOPES STEEPER THAN NATURAL GRADE (5% MAX.):	7,116 SF. (5%)
PROPOSED SLOPES STEEPER THAN NATURAL GRADE:	1,914 SF. (1.4%)
VOLUME OF CUT:	4,321 C.Y.
VOLUME OF FILL:	446 C.Y.
TOTAL CUT & FILL:	4,767 C.Y.

SITE PLAN KEYNOTES:

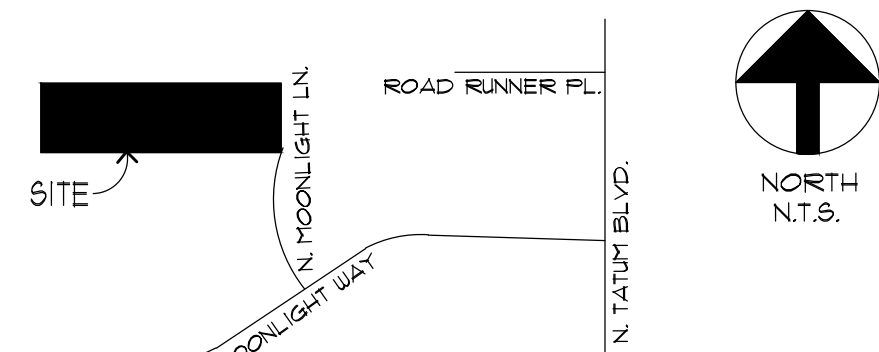
- NEW RESIDENCE LIVABLE - MAIN LEVEL
- NEW RESIDENCE LIVABLE - LOWER LEVEL
- NEW GARAGE UNDER BUILDING - LOWER LEVEL
- NEW GARAGE UNDER DECK - LOWER LEVEL
- NEW POOL EQUIPMENT IN POOL EQUIPMENT ROOM AT LOWER LEVEL UNDER PATIO
- LOWER LEVEL PATIO
- NEW 600 AMP SEE ELECTRICAL. A PERMANENT CERTIFICATE SHALL BE COMPLETED & POSTED IN OR ON THE ELECTRICAL DISTRIBUTION PANEL BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL PER CODE
- NEW GAS METER, SEE PLUMBING
- NEW WATER METER WITH SERVICE LINE, SEE PLUMBING
- MASONRY SITE WALL
- DRIVEWAY PAVING, COLOR AND SIZE BY ARCHITECT & OWNER
- CONCRETE PAVING OVER TERMITE TREATED SOIL
- PLANTER / LANDSCAPE AREA
- RAISED PLANTER
- MECHANICAL UNIT ON 4" CONCRETE PAD - SEE MECHANICAL
- MECHANICAL ENCLOSURE
- TRASH / RECYCLE ENCLOSURE
- ROOF OVERHANG
- HOSE BIBB, WATER SUPPLY FROM METER, SEE PLUMBING
- 4" CONCRETE SLAB ON 4" ABC FILL OVER TERMITE TREATED SOIL
- SITE GATE
- CONCRETE STEPS
- SUNNING POOL, UNDER SEPARATE PERMIT
- EXIST. FIRE HYDRANT, VERIFY
- AREA DRAIN, SEE CIVIL
- WATER SUPPLY LINE TO HOUSE, SEE PLUMBING
- GUEST PARKING, 2 TOTAL
- CURB / EDGE OF DRIVE, SEE LANDSCAPE PLANS
- POOL LINEAR DRAIN
- POOL BARRIER GATE TO BE SELF-CLOSING AND SELF-LATCHING
- POOL BARRIER FENCE - TOP OF FENCE 5'4" MIN. DECORATIVE STEEL TUBE
- VIEW FENCE
- DECORATIVE BOLDERS, SEE LANDSCAPE PLAN
- GAS FIRE PIT
- GAS BBQ WITH CONCRETE COUNTERTOP AND MASONRY BASE, STUCCO
- SEPTIC TANK SYSTEM, VERIFY FINAL DESIGN
- SEPTIC LEACH FIELD, VERIFY FINAL DESIGN
- EXTERIOR FIRE PLACE
- ADDRESS IDENTIFICATION MARKER
- STORM DRAIN PIPE, SEE CIVIL
- STORM DRAIN RETENTION PIPE, SEE CIVIL
- STORM DRAIN INLET, SEE CIVIL
- SLOTTED DRAIN, SEE CIVIL
- TRENCH DRAIN, SEE CIVIL
- DRY WELL, SEE CIVIL
- MOTORIZED ENTRY AUTO GATES, 6' H. INSTALL PER MANUFACTURER'S SPECIFICATIONS, COORDINATE WITH GATE MOTOR, GENERAL CONTRACTOR TO COORDINATE ELECTRICAL REQUIREMENTS, FINAL GATE DESIGN APPROVED BY OWNER
- 6' H. MASONRY PIER & AUTO GATE
- MASONRY RETAINING WALL, SEE STRUCTURAL FOR REINFORCING, SEE SHEET D-1, DISTURBED AREA, SITE PLAN FOR RETAINING WALL VISIBLE FROM PROPERTY CORNERS CALCULATIONS
- NEW AUTO GATE KEY PAD, INSTALL PER MANUFACTURER'S SPECIFICATION
- PROVIDE ELECTRICAL AS REQUIRED
- PROVIDE KNOX BOX KEY SWITCH AS REQUIRED BY THE CITY - THE KEY SWITCH SHALL BE INSTALLED IN A LOCATION ON THE GATE CONTROL PANEL THAT IS READILY VISIBLE AND ACCESSIBLE

NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF = FINISH FLOOR
NG = NATURAL GRADE

BUILDING DATA

PROJECT ADDRESS:		
7602 N. MOONLIGHT LN. PARADISE VALLEY, AZ 85253		
OWNER:		
CASKEY MICHAEL P / MICHELLE D 1612 E. SOLANO DR. SCOTTSDALE, AZ 85250		
APN:		
169-11-004C		
LEGAL DESCRIPTION:		
SEE SURVEY		
ZONING:		
R-43		
NET LOT AREA:		
142,335 SF. (SURVEY)		
BUILDING AREA:	TOTAL AREA	FOOTPRINT
A. LIVABLE - MAIN LEVEL	4,306 SF.	4,306 SF.
B. LIVABLE - LOWER LEVEL	980 SF.	
TOTAL LIVABLE (MAIN + LOWER LEVEL):		5,286 SF.
C. MECHANICAL - MAIN LEVEL	24 SF.	24 SF.
D. MECHANICAL - MAIN LEVEL (ABV GARAGE)	21 SF.	
E. GARAGE - LOWER LEVEL UNDER BLDG.	663 SF.	
F. GARAGE - LOWER LEVEL UNDER DECK	652 SF.	652 SF.
G. POOL EQUIPMENT - LOWER LEVEL	140 SF.	140 SF.
H. COV. PATIO - MAIN LEVEL	445 SF.	
I. OVERHANGS	690 SF.	
TOTAL BLDG. FOOTPRINT:		5,122 SF.
TOTAL BLDG. AREA (A THRU J)		1,911 SF.
TOTAL LOT COVERAGE CALCULATIONS:		
LOT COVERAGE ALLOWED: 25%		
LOT COVERAGE PROPOSED: 5.56% (1,911 SF. FLOOR AREA / 142,335 SF. LOT)		
DESCRIPTION OF WORK:		
NEW RESIDENCE, FIRE SPRINKLERS REQUIRED, UNDER SEPARATE PERMIT		
FENCE LINEAR FT.: 523 LINEAR FT.		

LOCATION MAP





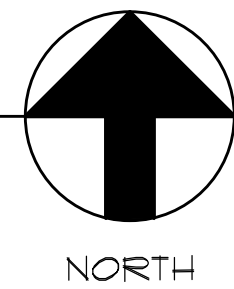
SYMBOL LEGEND:

- MAIN LEVEL - LIVABLE
- LOWER LEVEL - GARAGE, POOL, EQ.

ARCHITECTURAL SITE PLAN WITH AERIAL



SCALE: 1" = 20'-0"



SITE PLAN NOTES:

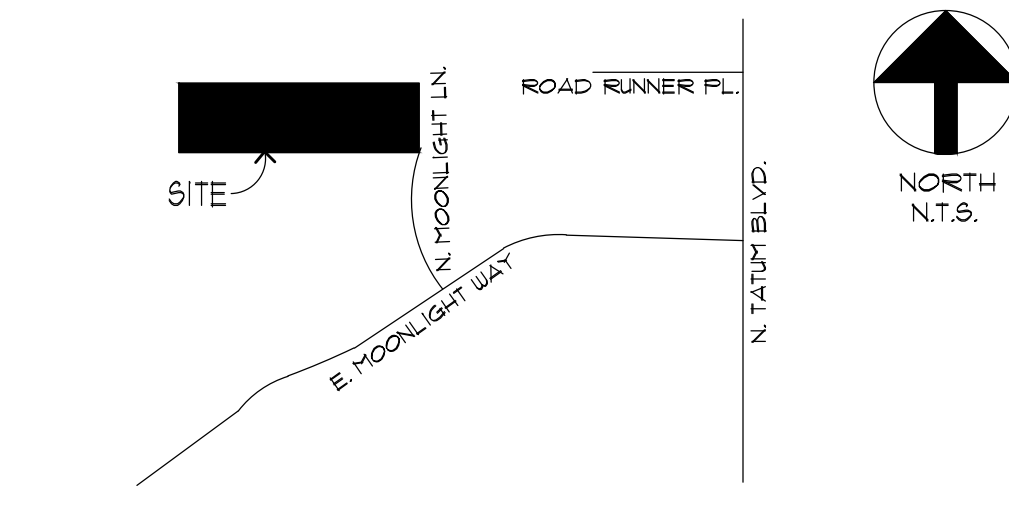
- WATER DIVERTED FROM ITS ORIGINAL DRAINAGE PATTERN SHALL BE RETURNED TO ITS ORIGINAL COURSE BEFORE LEAVING THE PROPERTY.
- GUARDRAILS TO BE 36" MINIMUM IN HEIGHT.
- OPEN GUARDRAILS AND STAIR RAILINGS SHALL HAVE INTERMEDIATE RAILS OR AN ORNAMENTAL PATTERN SUCH THAT A SPHERE 4 INCHES IN DIAMETER CANNOT PASS THROUGH.
- INSTALL HANDRAILS AT ALL STAIRS HAVING MORE THAN FOUR (4) RISERS, UNLESS SHOWN OTHERWISE. HANDRAILS TO BE NOT LESS THAN 34 INCHES, NOR MORE THAN 38 INCHES ABOVE NOSING OF TREADS.
- NOTICE TO ALL CONTRACTORS AND SUBCONTRACTORS: PROTECT NATURAL VEGETATION, TERRAIN, ROCKS, ETC. FROM STUCCO, PAINT, ROOFING FOAM, OR OTHER DAMAGE BY COVERING WITH PLASTIC OR AS REQUIRED. PROVIDE A 5'-0" HIGH CHAIN LINK FENCE WITHIN BUILDING ENVELOPE (N.A.O.S. WHEN APPLICABLE). KEEP MATERIALS AND WORKMEN WITHIN THE FENCE TO PREVENT DAMAGE TO NATURAL TERRAIN AND VEGETATION. THE COST OF RECLAIMING OR REPAIRING ANY DAMAGE DUE TO NEGLIGENCE WILL BE AT THE CONTRACTOR'S/SUBCONTRACTOR'S EXPENSE.
- VERIFY PROPERTY AND BUILDING LINES AND FINISH FLOOR ELEVATIONS PRIOR TO CONSTRUCTION. CONFIRM THAT ALL UTILITIES (SEWER, ELECTRIC, WATER) ARE LOCATED AS SHOWN AND THAT SEWER TAP IS LOW ENOUGH TO SERVE ALL PLUMBING DRAINS.
- DRAWINGS ARE NOT TO BE SCALED. BUILD FROM DIMENSIONS INDICATED. VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT OF ANY CONFLICTS.
- HOUSE ADDRESS MARKING: A HOUSE NUMBER SHALL BE DISPLAYED IN A PROMINENT MANNER, SO THAT IT IS REASONABLY VISIBLE TO ENABLE EMERGENCY VEHICLES TO LOCATE THE RESIDENCE.
- AREAS DISTURBED DURING CONSTRUCTION OF DRAINAGE FACILITIES OR UTILITY (SEWER, WATER, ELECTRIC, ETC.) TRENCHES SHALL BE RESTORED TO THEIR NATURAL STATE.
- ALL AREAS BETWEEN THE CONSTRUCTION FENCE AND ANY BUILDING OR SITE WALLS SHOULD BE RELANDSCAPED TO BECOME INDISTINGUISHABLE FROM ADJACENT UNDISTURBED NATURAL DESERT AREA.
- ANY CACTUS DUG UP ON THE SITE MUST BE REPLACED WITH THE SAME ORIENTATION. MARK THE COMPASS HEADING ON THE CACTUS PRIOR TO REMOVAL.
- FINISH GRADE SHALL BE A MINIMUM OF 6 INCHES BELOW WOOD FRAMING AT BUILDING EXTERIOR. SLOPE FINISH GRADE FOR AN ADDITIONAL 6 INCHES AWAY FROM BUILDING FOR A 10'-0" HORIZONTAL DISTANCE.
- EVERY EFFORT IS MADE TO PROVIDE COMPLETE AND ACCURATE INFORMATION. IF THERE IS ANY CONFLICTING INFORMATION OR OMISSIONS IN THE WORKING DRAWINGS OR SUPPLEMENTAL DOCUMENTS, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE ARCHITECT FOR A RESOLUTION.
- ALL WATER FEATURES WILL REQUIRE SEPRATE PERMIT.

NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF = FINISH FLOOR
NG = NATURAL GRADE

BUILDING DATA

PROJECT ADDRESS: 7602 N. MOONLIGHT LN. PARADISE VALLEY, AZ 85253		
OWNER: CASKEY MICHAEL P / MICHELLE D 7612 E. SOLANO DR. SCOTTSDALE, AZ 85250		
APN: 169-11-004C		
LEGAL DESCRIPTION: SEE SURVEY		
ZONING: R-43		
NET LOT AREA: 142,335 SF. (SURVEY)		
BUILDING AREA:	TOTAL AREA	FOOTPRINT
A. LIVABLE - MAIN LEVEL	4,306 SF.	4,306 SF.
B. LIVABLE - LOWER LEVEL	920 SF.	
TOTAL LIVABLE (MAIN + LOWER LEVEL):		5,226 SF.
C. MECHANICAL - MAIN LEVEL	24 SF.	24 SF.
D. MECHANICAL - MAIN LEVEL (ABV GARAGE)	21 SF.	
E. GARAGE - LOWER LEVEL UNDER BLDG.	663 SF.	
F. GARAGE - LOWER LEVEL UNDER DECK	652 SF.	652 SF.
G. POOL EQUIPMENT - LOWER LEVEL	140 SF.	140 SF.
H. COV. PATIO - MAIN LEVEL	445 SF.	
I. OVERHANGS	690 SF.	
TOTAL BLDG. FOOTPRINT:		9,122 SF.
TOTAL BLDG. AREA (A THRU J)		1391 SF.
TOTAL LOT COVERAGE CALCULATIONS:		
LOT COVERAGE ALLOWED: 25%		
LOT COVERAGE PROPOSED: 9.5% = (791 SF. FLOOR AREA / 142,335 SF. LOT)		
DESCRIPTION OF WORK: NEW RESIDENCE, FIRE SPRINKLERS REQUIRED, UNDER SEPRATE PERMIT		
FENCE LINEAR FT: 523 LINEAR FT		

LOCATION MAP



PRELIMINARY NOT FOR CONSTRUCTION

EXPIRES: 3/31/2024
DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

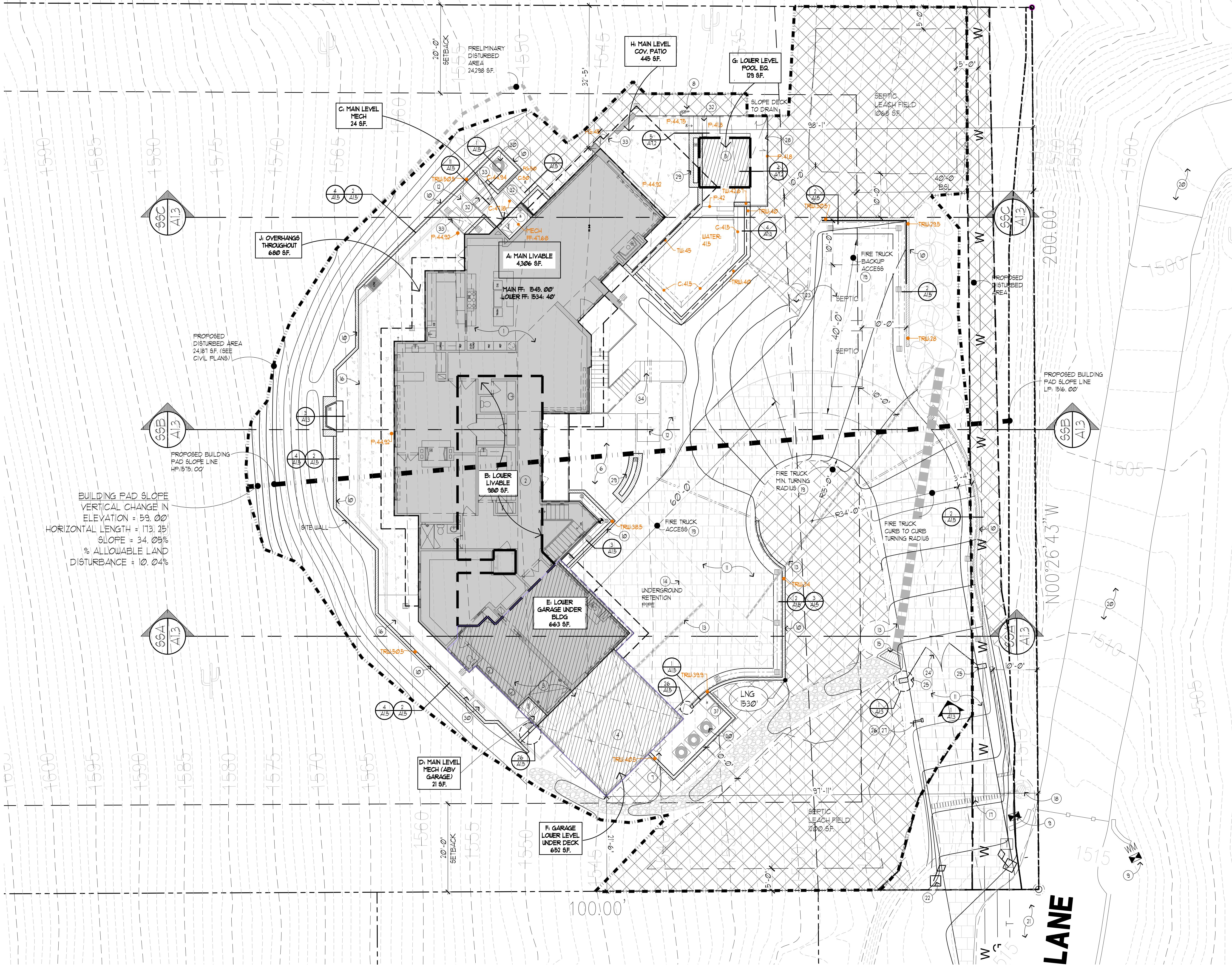
ARCHITECTURAL SITE PLAN
WITH AERIAL

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A1.1



- SITE PLAN KEYNOTES:**
1. NEW RESIDENCE LIVABLE - MAIN LEVEL
 2. NEW RESIDENCE LIVABLE - LOWER LEVEL
 3. NEW GARAGE UNDER BUILDING - LOWER LEVEL
 4. NEW GARAGE UNDER DECK - LOWER LEVEL
 5. NEW POOL EQUIPMENT IN POOL EQUIPMENT ROOM AT LOWER LEVEL UNDER POOL
 6. LOWER LEVEL PATIO
 7. NEW 500 AMP SEE ELECTRICAL. A PERMANENT CERTIFICATE SHALL BE COMPLETED & POSTED IN OR ON THE ELECTRICAL DISTRIBUTION PANEL BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL PER CODE
 8. NEW GAS METER SEE PLUMBING
 9. NEW WATER METER WITH SERVICE LINE SEE PLUMBING
 10. MASONRY SITE WALL SEE STRUCT. FOR REINFORCING. SEE SHEET DAI. DISTURBED AREA SITE PLAN FOR RETAINING WALL VISIBLE FROM PROPERTY CORNERS CALCULATIONS
 11. DRIVEWAY PAVING, COLOR AND SIZE BY ARCHITECT & OWNER
 12. CONCRETE PAVERS, OVER THERMITE TREATED SOIL
 13. STORM DRAIN PIPE, SEE CIVIL
 14. STORM DRAIN RETENTION PIPE, SEE CIVIL
 15. STORM DRAIN INLET, SEE CIVIL
 16. SLOTTED DRAIN, SEE CIVIL
 17. TRENCH DRAIN, SEE CIVIL
 18. DRY WELL, SEE CIVIL
 19. FIRE TRUCK ACCESS, VERIFY WITH TOWN OF PARADISE VALLEY
 20. EXISTING DRIVEWAY, PROTECT DURING CONSTRUCTION
 21. EXISTING ASPHALT STREET, PROTECT DURING CONSTRUCTION
 22. NEW MAIL BOX
 23. SEPTIC SYSTEM
 24. NOTORIZED ENTRY AUTO GATES, 6' H. INSTALL PER MANUFACTURER'S SPECIFICATIONS, COORDINATE WITH GATE MOTOR, GENERAL CONTRACTOR TO COORDINATE ELECTRICAL REQUIREMENTS, FINAL GATE DESIGN APPROVED BY OWNER
 25. 6' H MASONRY PIER & AUTO GATE
 26. NEW AUTO GATE KEY PAD, INSTALL PER MANUFACTURE'S SPECIFICATION
 27. PROVIDE ELECTRICAL AS REQUIRED
 28. PROVIDE KNOX BOX KEY SWITCH AS REQUIRED BY THE TOWN OF PARADISE VALLEY - THE KEY SWITCH SHALL BE INSTALLED IN A LOCATION ON THE GATE CONTROL PANEL THAT IS READILY VISIBLE AND ACCESSIBLE
 29. CANTILEVERED DECK, SEE STRUCT.
 30. GAS FIREPIT
 31. TRASH/ RECYCLE
 32. CONCRETE STAIRS
 33. SITE GATE
 34. ENTRY STAIRS

DISTURBED AREA CALCULATIONS:

AREA OF LOT:	142,335 SF. (3,268 AC.)
AREA UNDER ROOF:	1,911 SF.
FLOOR AREA RATIO:	1,911 SF. / 142,335 SF. = 5.56%
BUILDING PAD SLOPE:	34.41% VERTICAL: 51' HORIZONTAL: 165.61'
ALLOWABLE NET DISTURBED AREA:	142,335 SF. (10.04%)
EXIST. DISTURBED AREA:	2,849 SF. (2%)
GROSS PROPOSED DISTURBED AREA:	24,181 SF.
LESS TEMP. AREAS OF DISTURBANCE TO BE RESTORED & REVEG:	6,692 SF.
LESS BLDG. FOOTPRINT AREA:	5,122 SF.
PROPOSED NET DISTURBED AREA:	12,373 SF. (8.76%)
TOTAL DISTURBED AREA: (APPROVED VARIANCE SA-22-05)	15,222 SF. (10.76%)
ALLOWED SLOPES STEEPER THAN NATURAL GRADE (5% MAX.):	7,116 SF. (5%)
PROPOSED SLOPES STEEPER THAN NATURAL GRADE:	1,914 SF. (1.4%)
VOLUME OF CUT:	4,321 C.Y.
VOLUME OF FILL:	446 C.Y.
TOTAL CUT & FILL:	4,767 C.Y.

BUILDING DATA

PROJECT ADDRESS:		
1602 N. MOONLIGHT LN. PARADISE VALLEY, AZ 85253		
OWNER:		
CASKEY MICHAEL P / MICHELLE D 1612 E. SOLANO DR. SCOTTSDALE, AZ 85250		
APN:		
160-11-004C		
LEGAL DESCRIPTION		
SEE SURVEY		
ZONING:		
R-43		
NET LOT AREA:		
142,335 SF. (SURVEY)		
BUILDING AREA:		
TOTAL AREA		
FOOTPRINT		
TOTAL LIVABLE (MAIN & LOWER LEVEL):		
TOTAL BLDG. FOOTPRINT:		
TOTAL BLDG. AREA (A THRU J):		
TOTAL LOT COVERAGE CALCULATIONS:		
LOT COVERAGE ALLOWED:		
LOT COVERAGE PROPOSED:		
DESCRIPTION OF WORK:		
NEW RESIDENCE - FIRE SPRINKLERS REQUIRED UNDER SEPARATE PERMIT		
FENCE LINEAR FT. 513 LINEAR FT.		

ABBREVIATIONS:
VERIFY ALL HEIGHT ELEVATION INFORMATION WITH CIVIL PLANS

C:	TOP OF CONC
D:	TOP OF DECK
F:	TOP OF FINISH/PAVERS
FF:	FINISH FLOOR
FG:	FINISH GRADE (ON HIGHER SIDE)
NG:	NATURAL GRADE
BM:	BOTTOM OF WALL
TR:	TOP OF RAILING
TU:	TOP OF WALL
TRU:	TOP OF RETAINING WALL

SYMBOL LEGEND:

[Solid Gray Box]	MAIN LEVEL - LIVABLE
[Hatched Box]	LOWER LEVEL - GARAGE, POOL EQ.

ENLARGED SITE PLAN
SCALE: 1" = 10'-0"
0 10 20 30

SCALE: 1" = 10'-0"
NORTH

NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF. = FINISH FLOOR
NG. = NATURAL GRADE

PRELIMINARY NOT FOR CONSTRUCTION

DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8856 FAX

ENLARGED SITE PLAN

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A1.2



SYMBOL LEGEND:

- MAIN LEVEL - LIVABLE
- LOWER LEVEL - GARAGE, POOL EQ.

ALL MATERIAL AND COLOR SHALL BE LESS THAN 38 LRV

ARCHITECTURAL SITE PLAN



SITE PLAN KEYNOTES:

- 1. NEW RESIDENCE LIVABLE - MAIN LEVEL
- 2. NEW RESIDENCE LIVABLE - LOWER LEVEL
- 3. NEW GARAGE UNDER BUILDING - LOWER LEVEL
- 4. NEW GARAGE UNDER DECK - LOWER LEVEL
- 5. NEW POOL EQUIPMENT IN POOL EQUIPMENT ROOM AT LOWER LEVEL UNDER POOL
- 6. LOWER LEVEL PATIO
- 7. FIRE PIT
- 8. ENTRY GATES, 6'H
- 9. SITE WALL, 6'H

RETAINING WALL LEGEND						
WALL	HEIGHT	WALL LENGTH	VISIBLE WALL LENGTH			
			A	B	C	D
R1	5.5'	13.33'	13.33'	13.33'		
R2	5.5'	28.83'	28.83'	28.83'		
R3	6'	61.61'	61.61'	61.61'		
R4	4'	12.5'	12.5'	12.5'		
R5	4'	25.61'	25.61'	25.61'		
R6	5.61'	8.5'	8.5'			
R7	5.61'	8.75'	8.75'			
R8	5.61'	13.61'	13.61'			
R9	5.61'	1.75'	1.75'			
R10	5.61'	84.5'		84.5'	84.5'	
R11	5.61'	43'		43'	43'	
R12	5.61'	58.61'		58.61'	58.61'	
R13	5.61'	15.83'	15.83'			
R14	6'	66.5'	66.5'	66.5'		
R15	4.83'	21.5'	21.5'	21.5'		
R16	3.25'	24.5'	24.5'			
TOTAL		523.17'				
TOTAL VISIBLE			282.33'	256.61'	186.11'	186.11'

EXISTING & PROPOSED AREA CALCULATIONS:

EXIST. DISTURBED AREA CALC'S:	TOTAL SF.
D1: EXIST. DIST. AREA 1 - SOUTH ACCESS. EXIST. DIST. AREA TO REMAIN DISTURBED FOR PROPOSED DRIVEWAY ACCESS TOTAL:	436 SF.
D2: EXIST. DIST. AREA 2 FOR WATER LINE TOTAL:	1,408 SF.
D2.1: PORTION OF DISTURBED AREA FOR WATER LINE TO REMAIN DISTURBED:	620 SF.
D2.2: PORTION OF EXIST. DIST. AREA FOR WATER LINE TO BE REVEG AND RESTORED: 788 SF.	
D3: EXIST. DIST. AREA 3 - NEIGHBOR DR. EXIST. DISTURBED AREA TO REMAIN DISTURBED TOTAL:	1,005 SF.
TOTAL EXIST. DISTURBED AREA:	2,849 SF.

GROSS PROPOSED DISTURBED AREA:	24,181 SF.
LESS TEMP. AREAS OF DISTURBANCE TO BE RESTORED & REVEG:	
R1: REVEG AREA:	1,313 SF.
R2: REVEG AREA:	417 SF.
R3: REVEG SEPTIC FIELD:	1,855 SF.
R4: REVEG SEPTIC FIELD:	2,218 SF.
D2.2: REVEG IN EXIST. DISTURBED AREA FOR WATER LINE:	1,088 SF.
TOTAL RESTORED & REVEG:	6,693 SF.
LESS BLDG. FOOTPRINT AREA	5,122 SF.
PROPOSED NET DISTURBED AREA:	12,373 SF.
TOTAL EXIST. DISTURBED AREA:	2,849 SF.
TOTAL DISTURBED AREA (APPROVED VARIANCE BA-22-05):	15,222 SF.

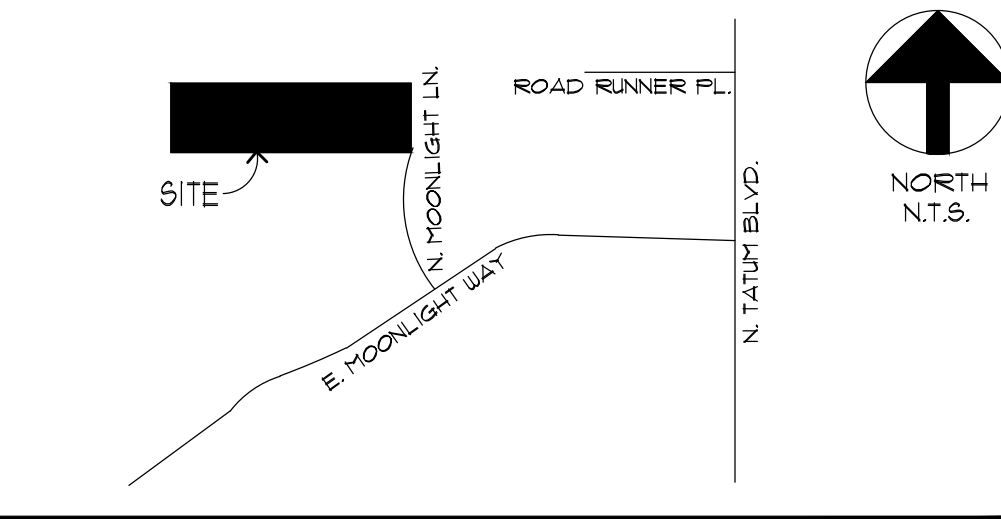
DISTURBED AREA CALCULATIONS:

AREA OF LOT:	142,335 SF. (3.268 AC.)
AREA UNDER ROOF:	7,911 SF.
FLOOR AREA RATIO:	7,911 SF. / 142,335 SF. = 5.56%
BUILDING PAD SLOPE:	34.41%
ALLOWABLE NET DISTURBED AREA:	14,290 SF. (10.04%)
EXIST. DISTURBED AREA:	2,849 SF. (2%)
GROSS PROPOSED DISTURBED AREA:	24,181 SF.
LESS TEMP. AREAS OF DISTURBANCE TO BE RESTORED & REVEG:	6,693 SF.
LESS BLDG. FOOTPRINT AREA	5,122 SF.
PROPOSED NET DISTURBED AREA:	12,373 SF. (8.76%)
TOTAL DISTURBED AREA: (APPROVED VARIANCE BA-22-05)	15,222 SF. (10.76%)
ALLOWED SLOPES STEEPER THAN NATURAL GRADE (5% MAX.):	7,116 SF. (5%)
PROPOSED SLOPES STEEPER THAN NATURAL GRADE:	1,974 SF. (1.4%)
VOLUME OF CUT:	4,321 C.Y.
VOLUME OF FILL:	446 C.Y.
TOTAL CUT & FILL	4,767 C.Y.

BUILDING DATA

PROJECT ADDRESS:		
7602 N. MOONLIGHT LN. PARADISE VALLEY, AZ 85253		
OWNER:		
CASKEY MICHAEL P / MICHELLE D		
7612 E. SOLANO DR. SCOTTSDALE, AZ 85250		
APN:		
169-11-004C		
LEGAL DESCRIPTION:		
SEE SURVEY		
ZONING:		
R-43		
NET LOT AREA:		
142,335 SF. (SURVEY)		
BUILDING AREA:	TOTAL AREA	FOOTPRINT
A: LIVABLE - MAIN LEVEL	4,306 SF.	4,306 SF.
B: LIVABLE - LOWER LEVEL	980 SF.	
TOTAL LIVABLE (MAIN & LOWER LEVEL):		5,286 SF.
C: MECHANICAL - MAIN LEVEL	24 SF.	24 SF.
D: MECHANICAL - MAIN LEVEL (ABV GARAGE)	21 SF.	
E: GARAGE - LOWER LEVEL UNDER BLDG.	663 SF.	
F: GARAGE - LOWER LEVEL UNDER DECK	652 SF.	
G: POOL EQUIPMENT - LOWER LEVEL	140 SF.	
H: COV. PATIO - MAIN LEVEL	445 SF.	
I: OVERHANGS	690 SF.	
TOTAL BLDG. FOOTPRINT:		9,122 SF.
TOTAL BLDG. AREA (A THRU J)		13,911 SF.
TOTAL LOT COVERAGE CALCULATIONS:		
LOT COVERAGE ALLOWED: 25%		
LOT COVERAGE PROPOSED: 9.56% = (7,911 SF. FLOOR AREA / 142,335 SF. LOT)		
DESCRIPTION OF WORK:		
NEW RESIDENCE, FIRE SFRINKLERS REQUIRED, UNDER SEPARATE PERMIT		
FENCE LINEAR FT.: 523 LINEAR FT.		

LOCATION MAP



NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF. = FINISH FLOOR
NG. = NATURAL GRADE

PRELIMINARY NOT FOR CONSTRUCTION

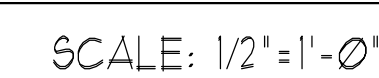
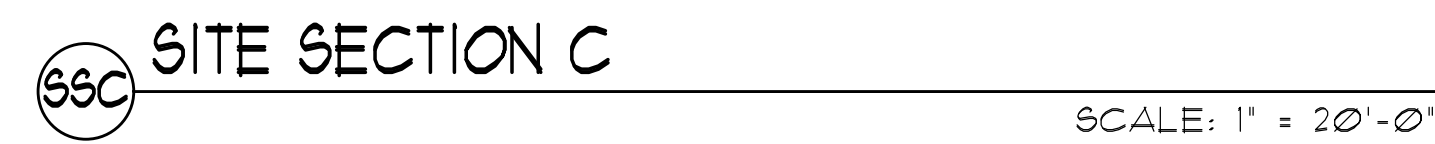
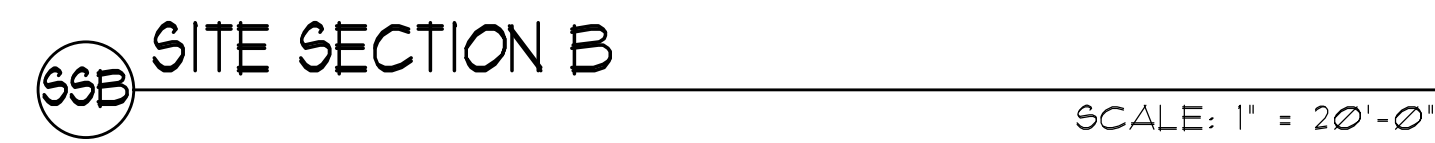
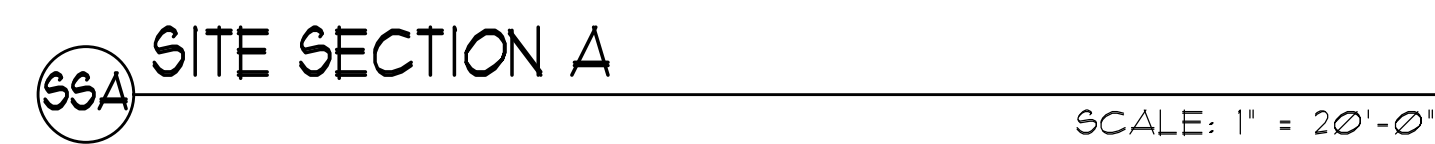
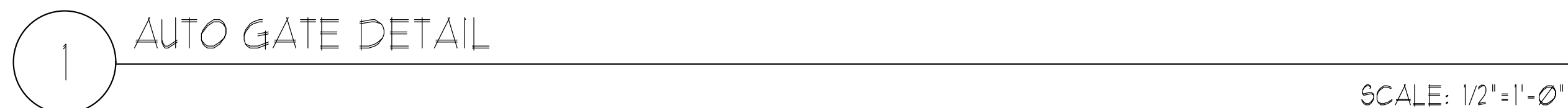
EXPIRES: 3/31/2024
DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

DISTURBED AREA
SITE PLAN

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER
AD1



DAVID DICK, ARCHITECT

7400 E. McDONALD DR., SUITE 122
SCOTTSDALE, ARIZONA
85250

(480) 945-1898 OFFICE
(480) 945-8856 FAX

SITE SECTION

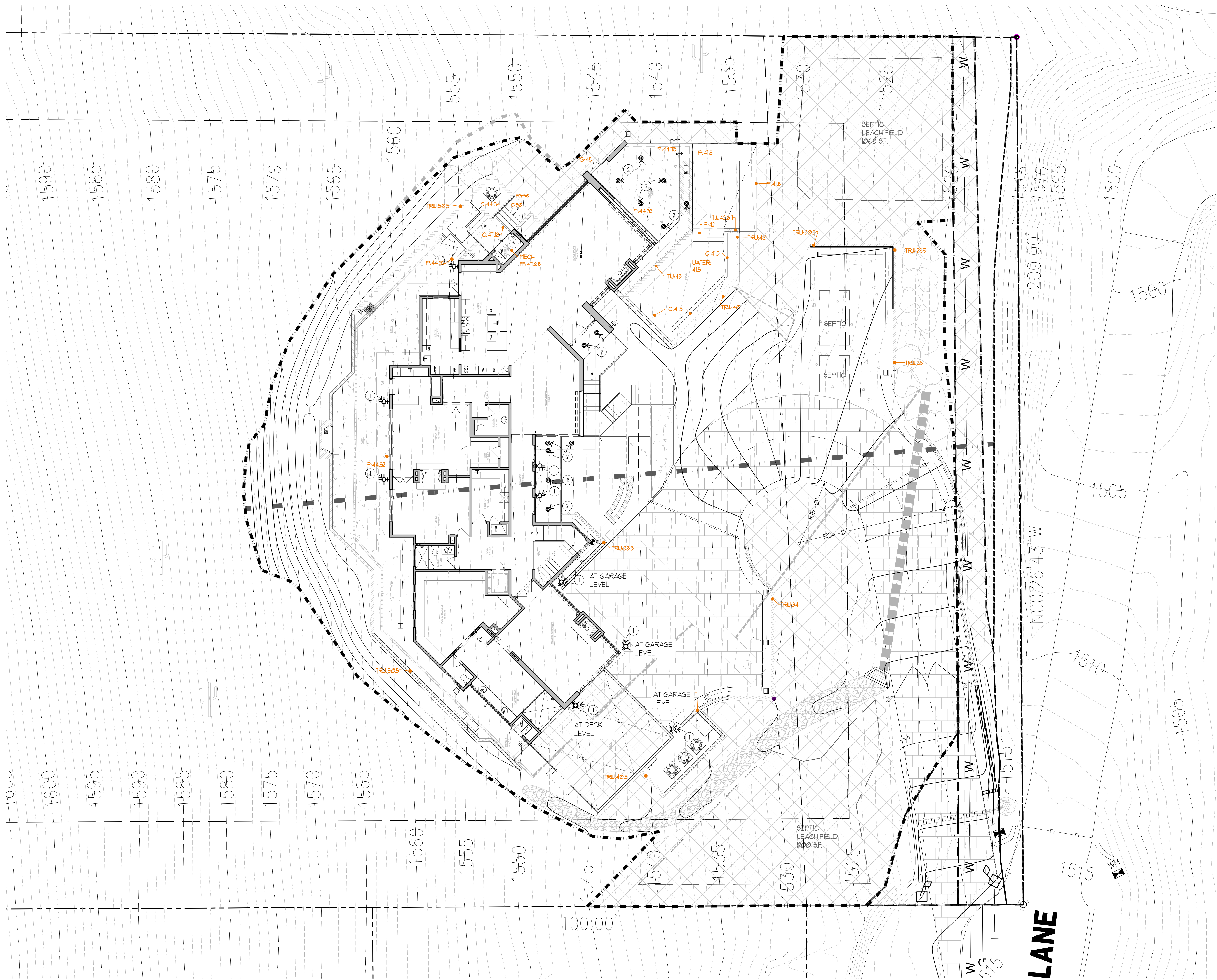
DATE: 08.19.2022

DATE: 08.19.2022
SCALE: AS NOTED

CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A1.3



EXTERIOR LIGHTING PLAN

SCALE: 1" = 10'-0"

SCALE: 1" = 10'-0"

NORTH

Lead Dark Sky | Kore 7 1/2"H Bronze Square Dark Sky LED Outdoor Wall Light

Kore 7 1/2"H Bronze Square Dark Sky LED Outdoor Wall Light - Style # 38A39

OTHER OPTIONS

PRODUCT DETAILS

Featuring a bronze finish, this Kore square cylinder ADA compliant dark sky energy-efficient LED outdoor wall light by Hinkley boasts decorative personality. With an etched dark lens, this fixture is crafted for elegance from top to bottom. The aluminum construction is fitting for outdoor use in any setting.

- 7 1/2" high x 5 1/4" wide. Extends 4" from the wall. Backplate is 5 1/4" wide. Weighs 2 lbs.
- Built-in dimmable 5 watt LED module: 300 lumen light output, comparable to a 35 watt incandescent. 3000K color temperature. 80 CRI.
- Dimmable with electronic low voltage dimmer, or LED rated dimmer.
- Kore square cylinder ADA compliant dark sky energy-efficient LED outdoor wall light by Hinkley.
- Bronze finish: aluminum construction. Etched glass lens.
- Dark sky compliant.

- 1 EXTERIOR WALL SCONCE
- BULB: 5W , 300 LUMENS
- TOTAL FIXTURES: 11 LIGHT FIXTURES
- TOTAL LUMENS: 3300 LUMENS
- 2 EXTERIOR RECESSED CAN
- BULB: 5W , 300 LUMENS
- TOTAL FIXTURES: 14 LIGHT FIXTURES
- TOTAL LUMENS: 4200 LUMENS

NOTE:
ALL EXTERIOR LIGHTING WILL COMPLY WITH
SECTION 2208 OF THE TOWN ZONING
ORDINANCE

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SCOTTSDALE, AZ 85250
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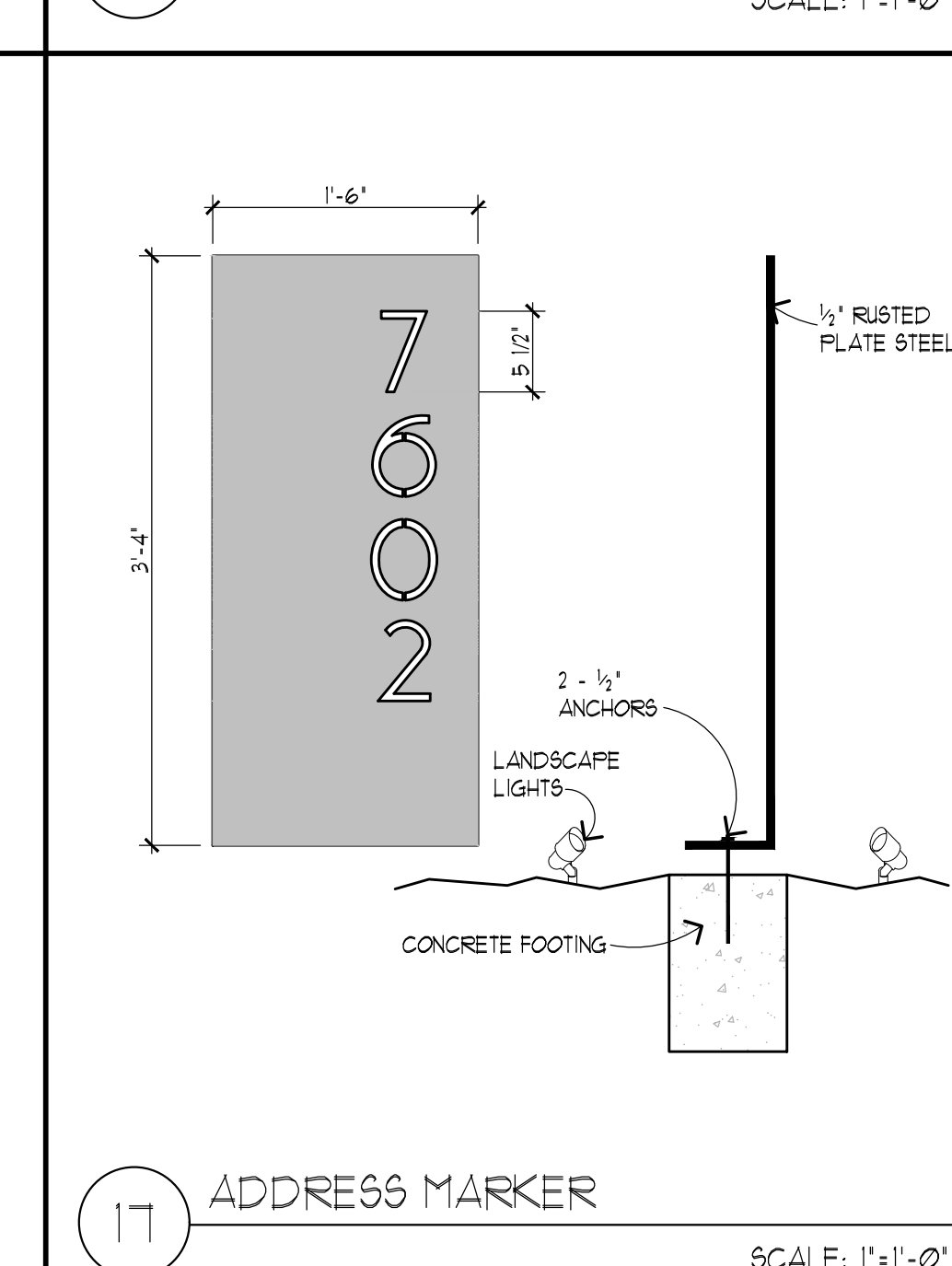
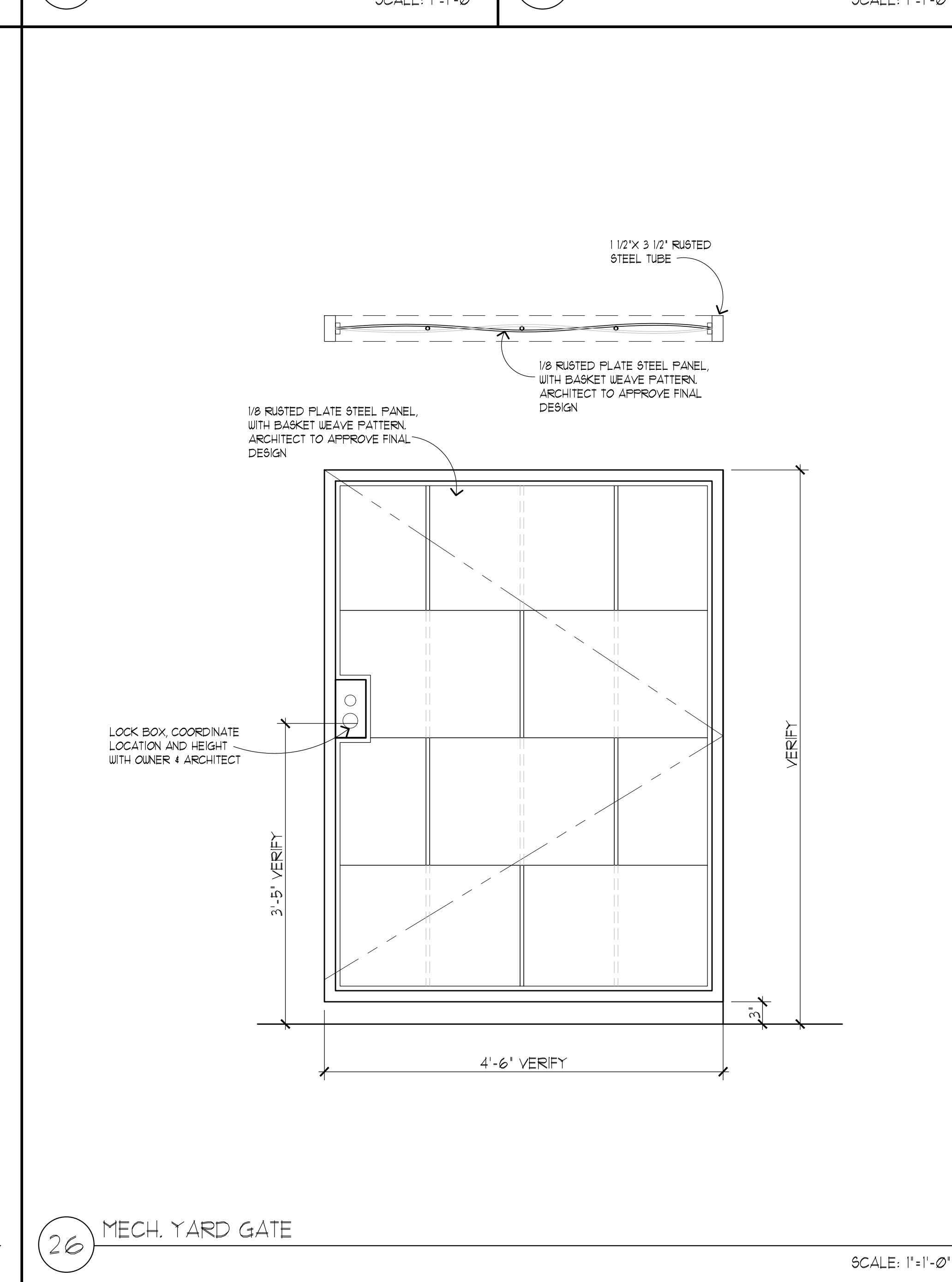
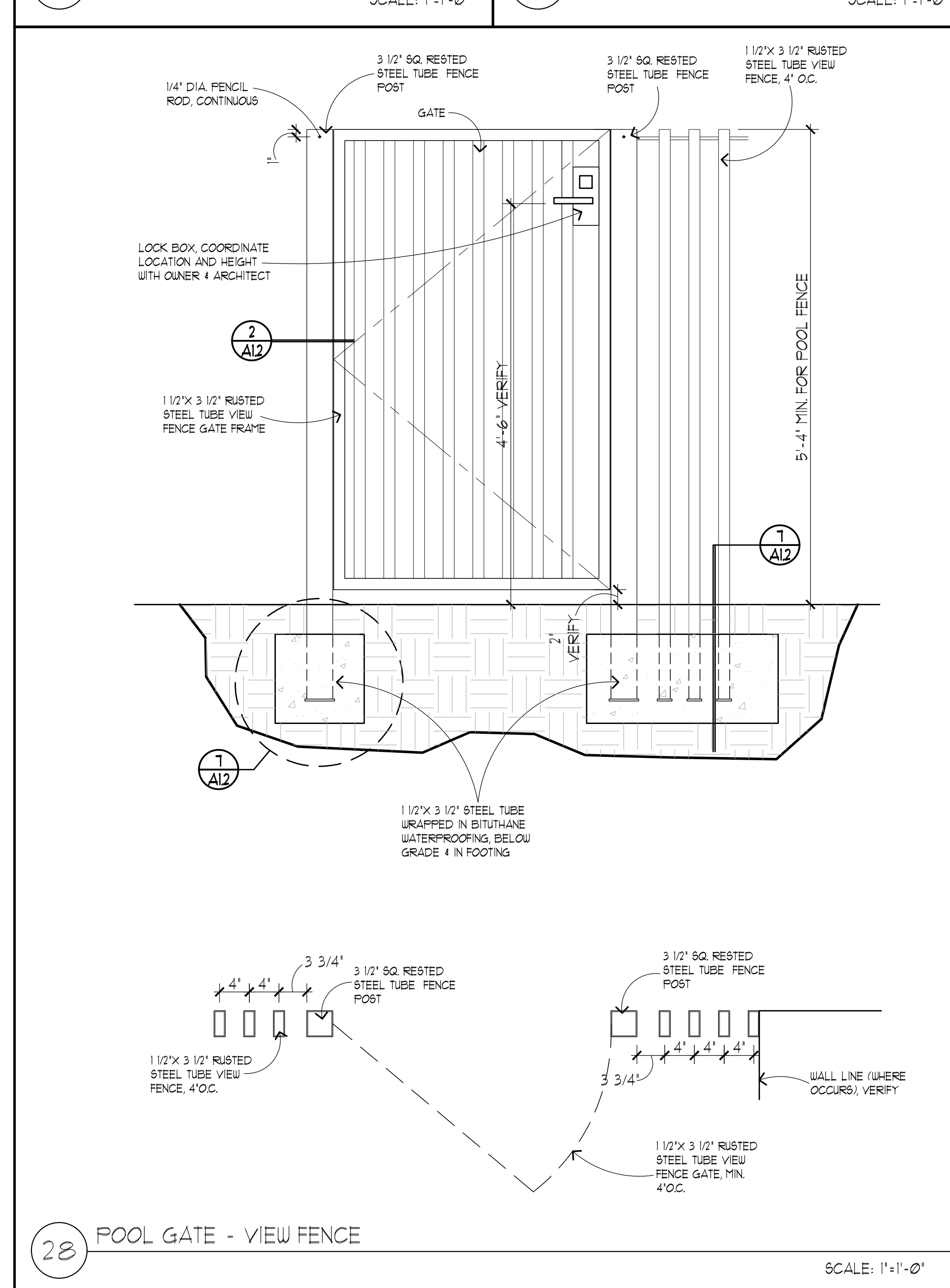
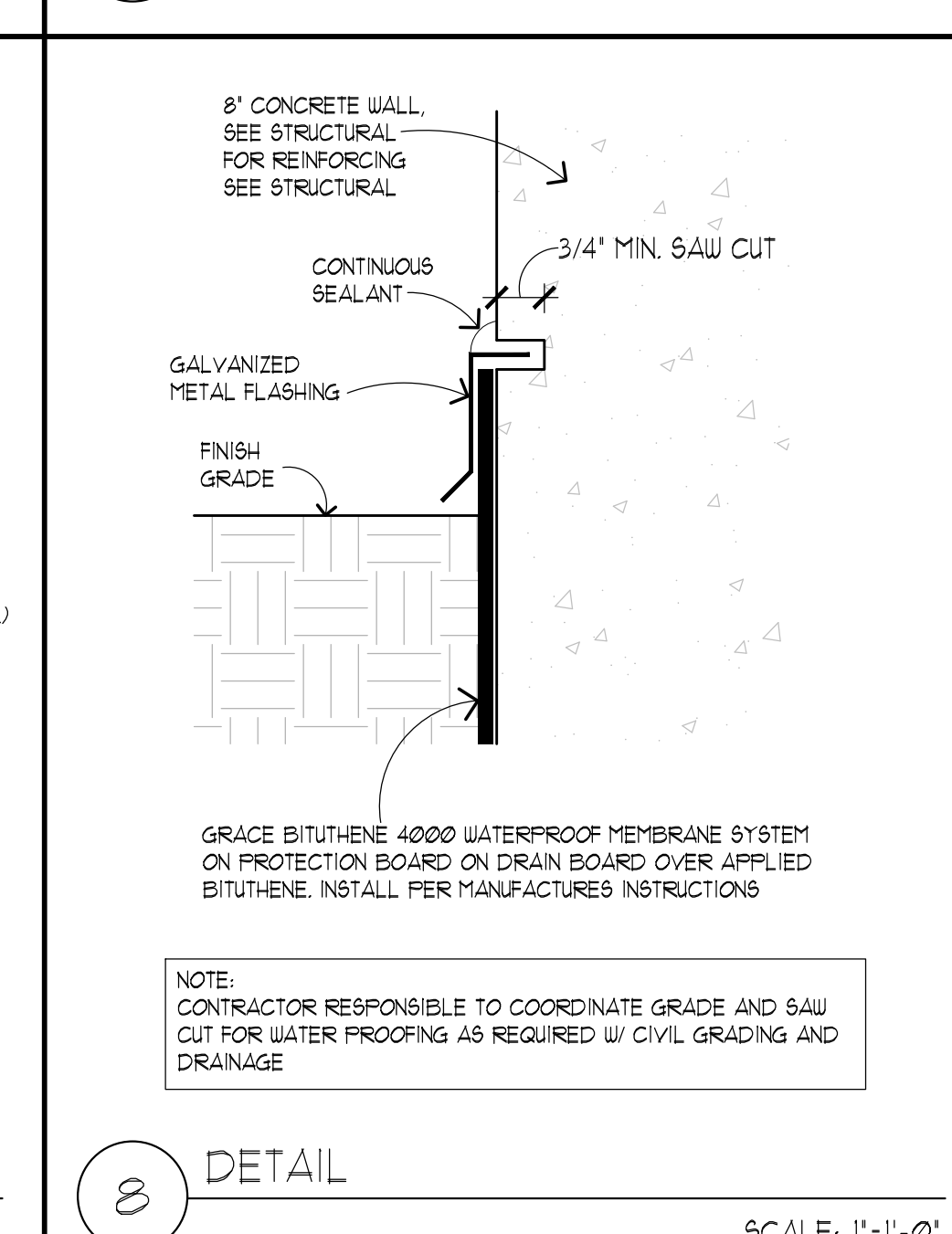
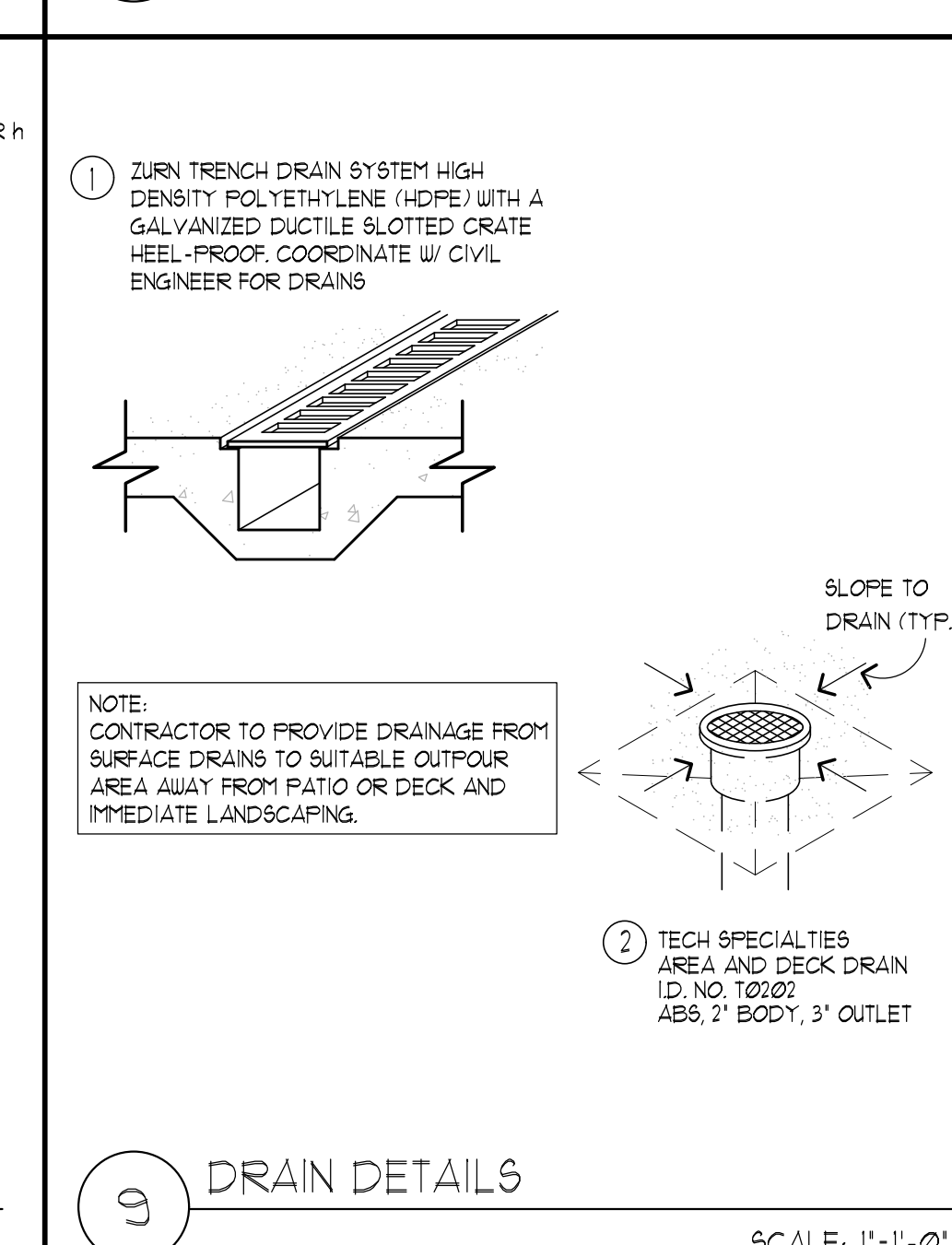
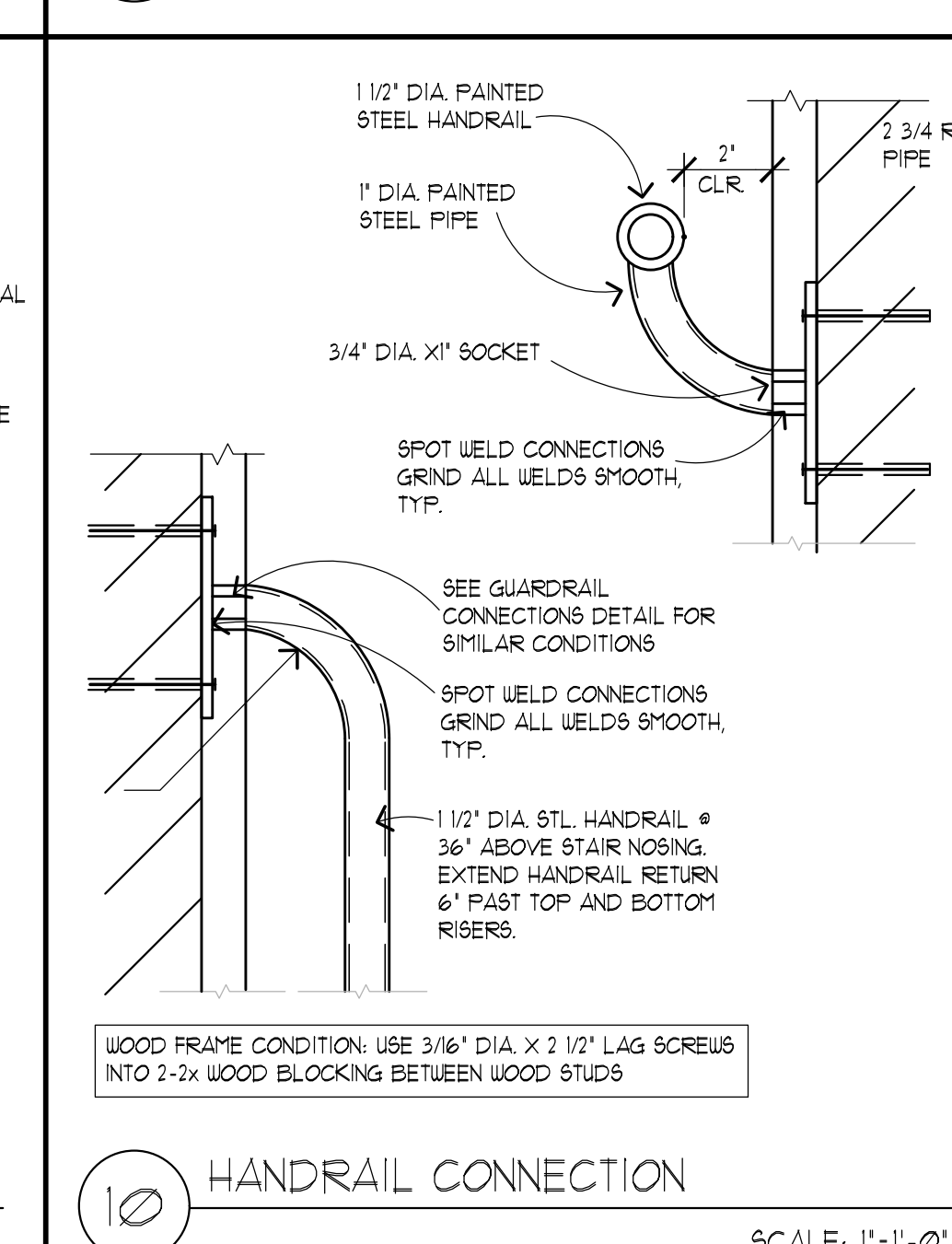
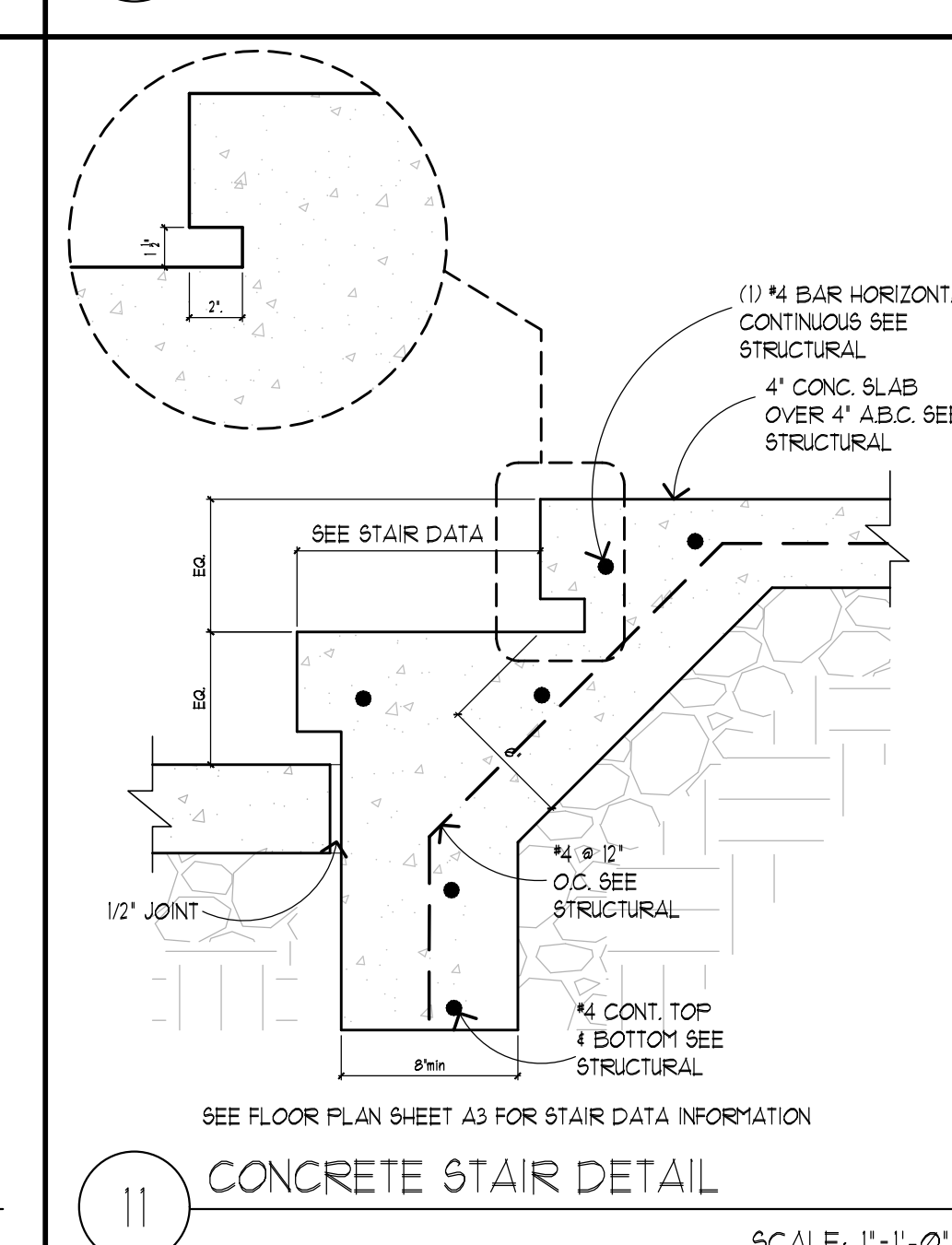
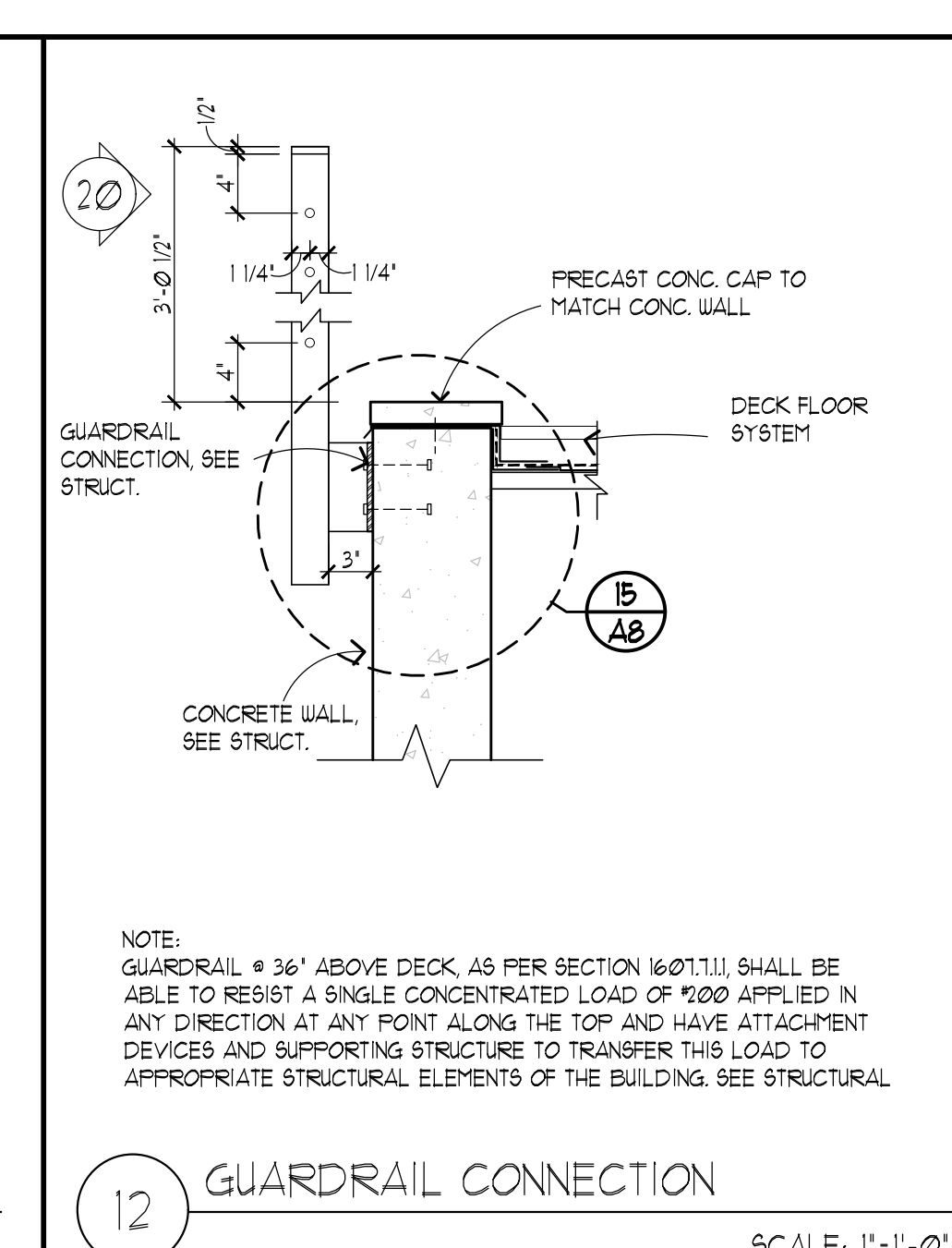
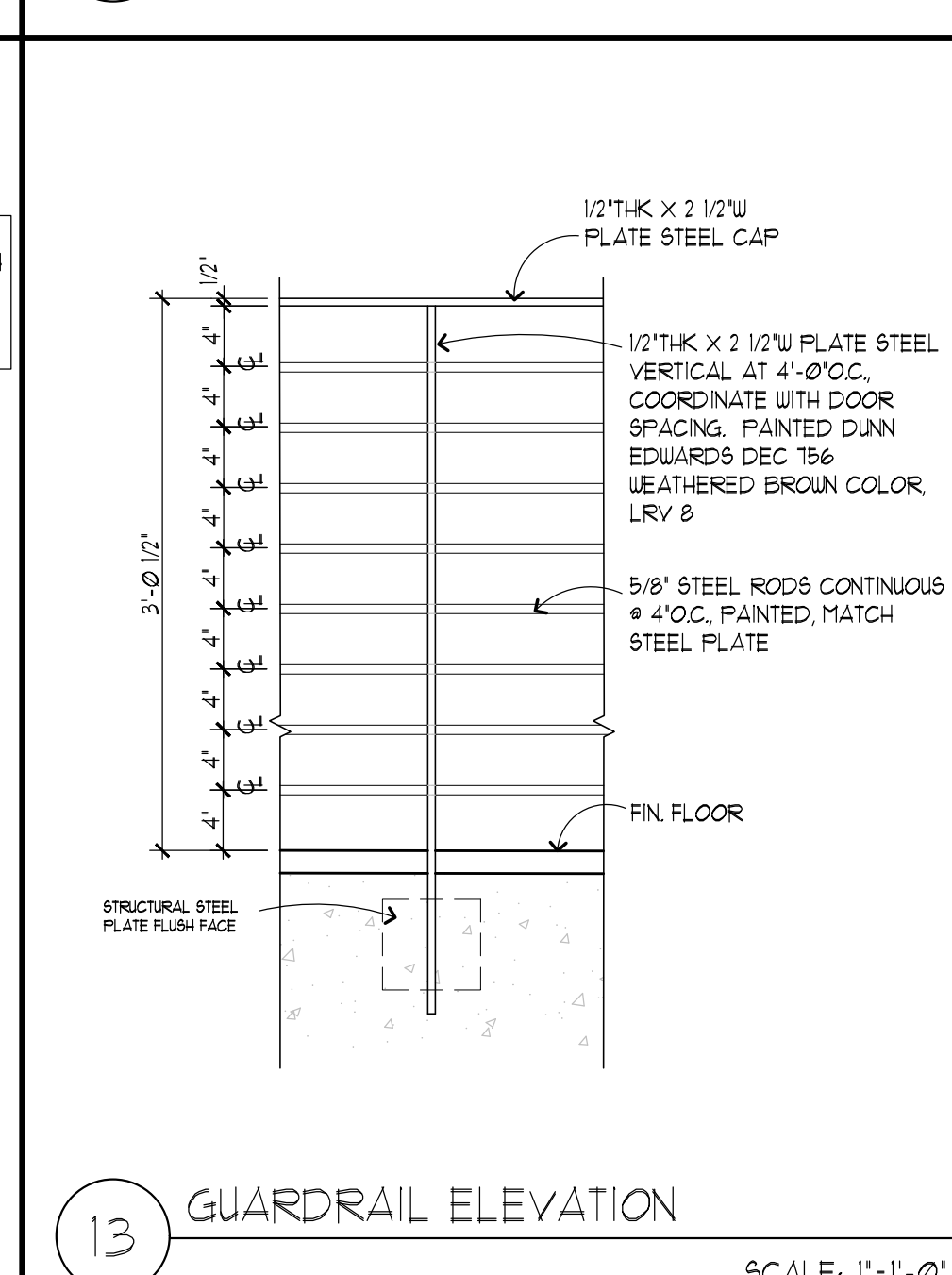
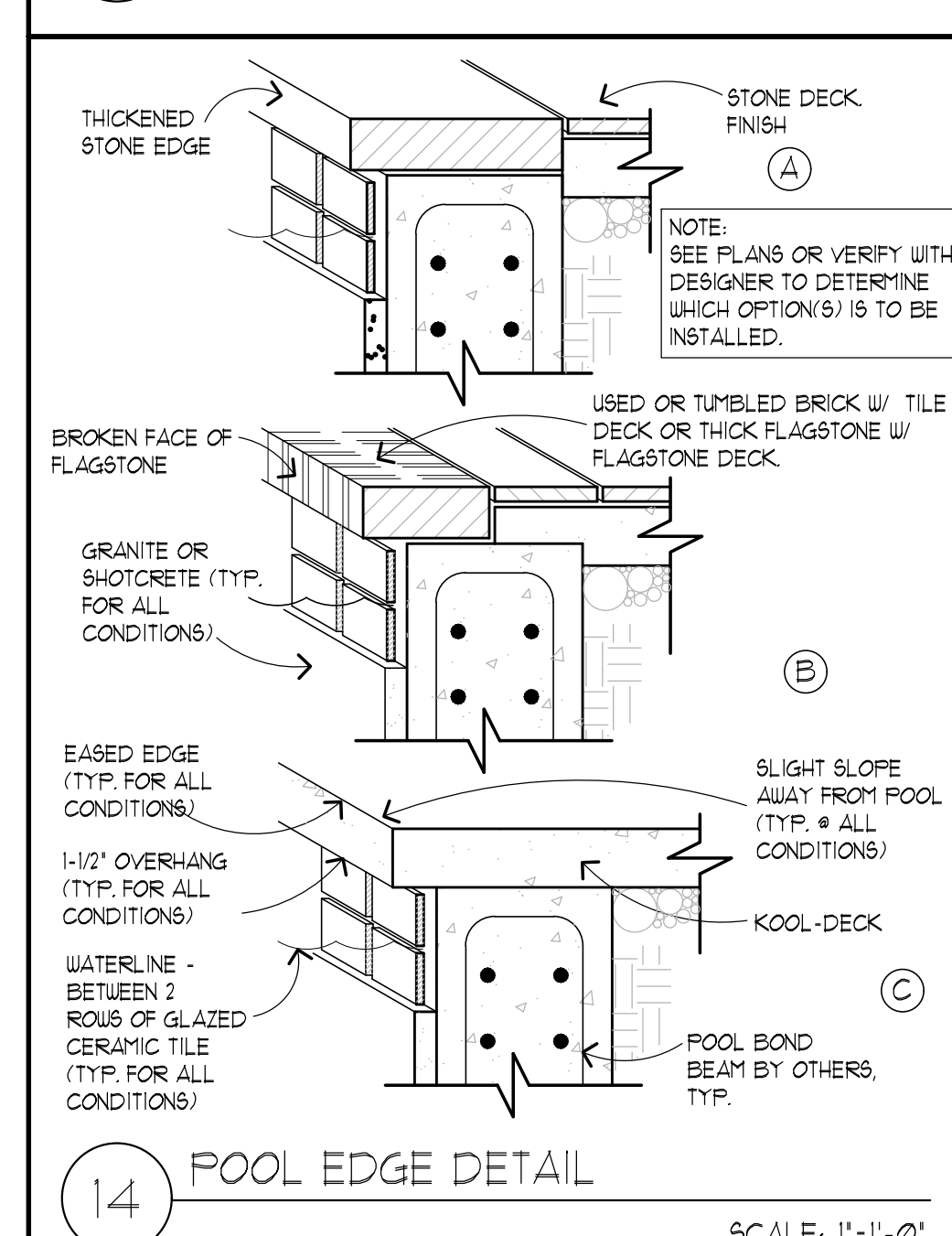
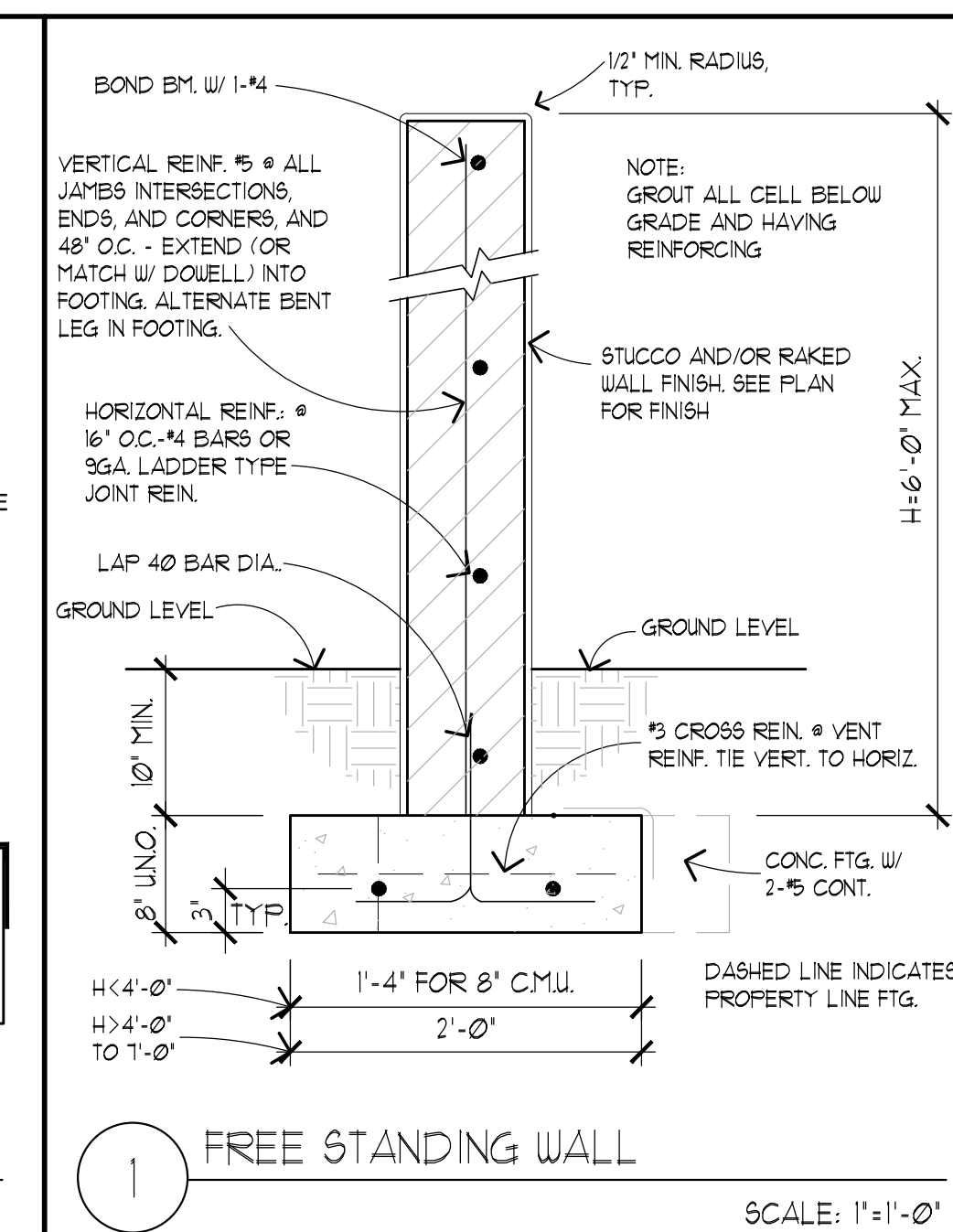
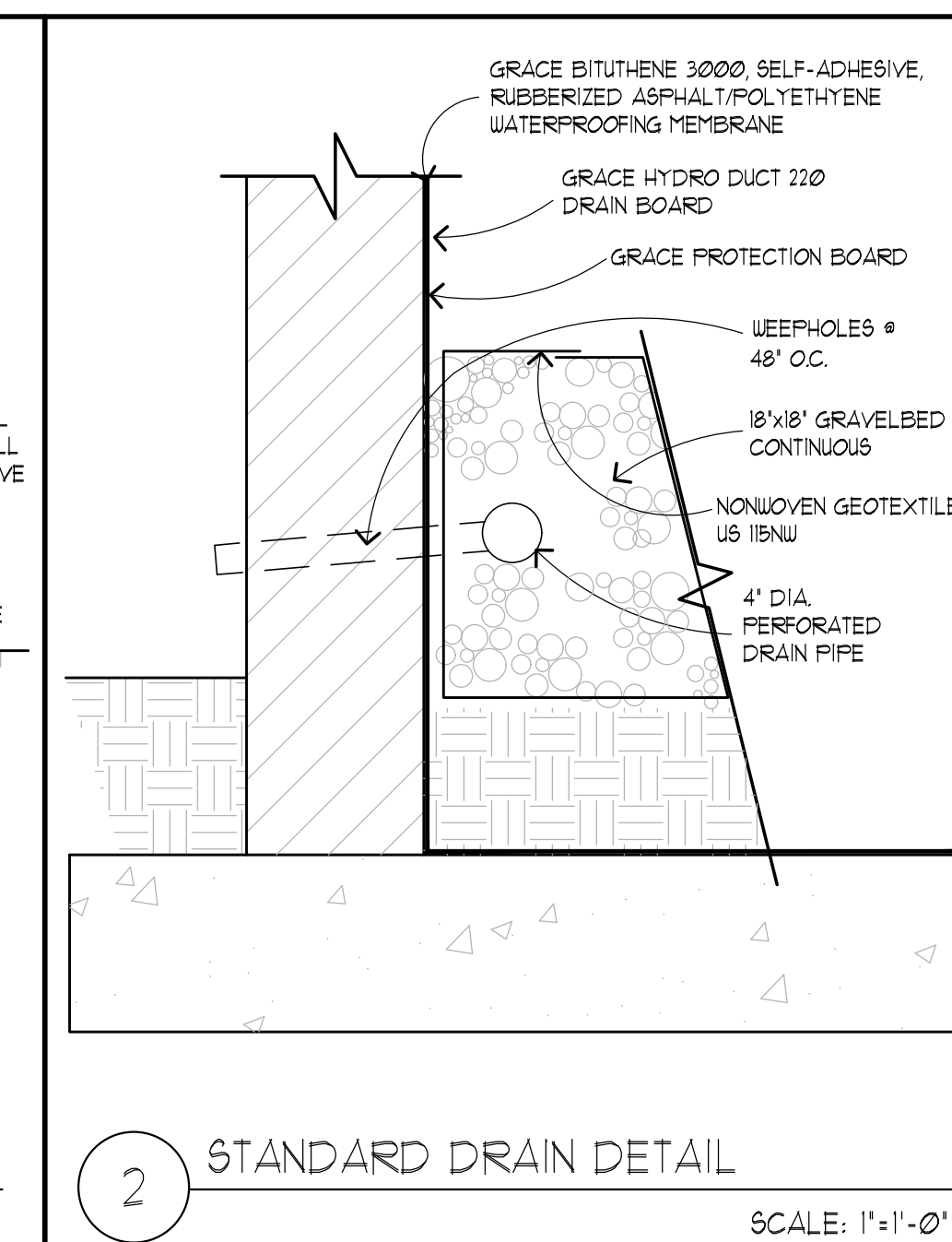
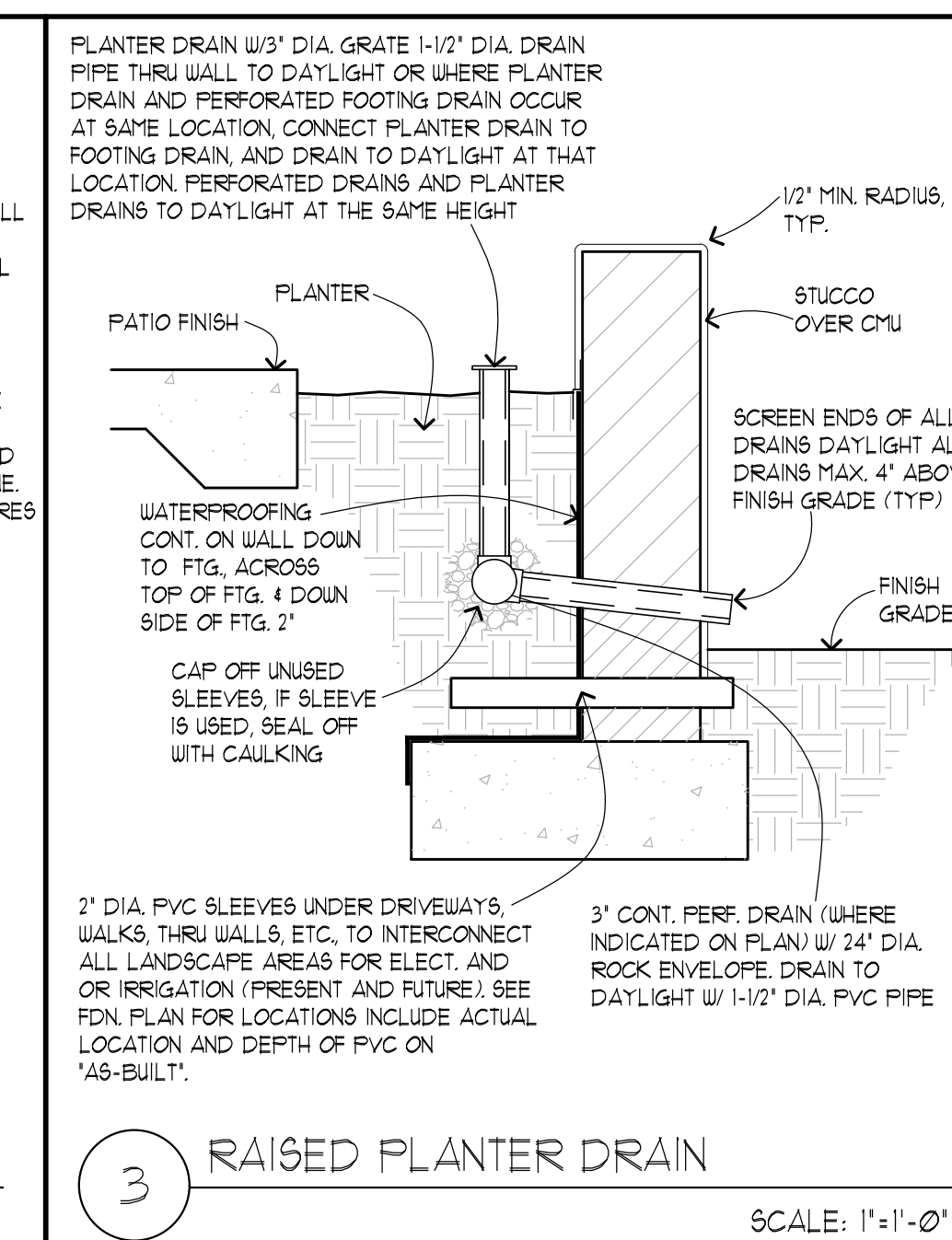
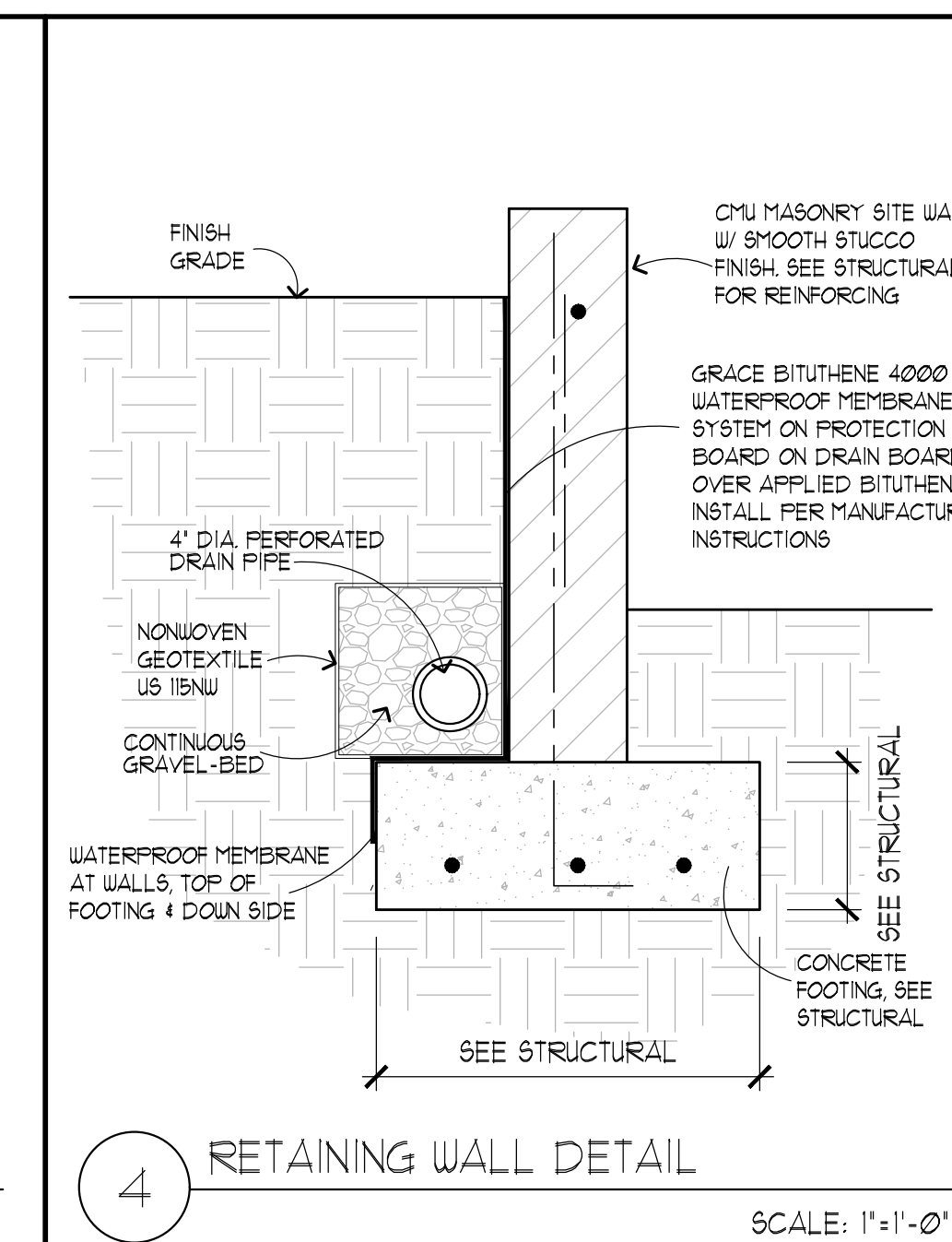
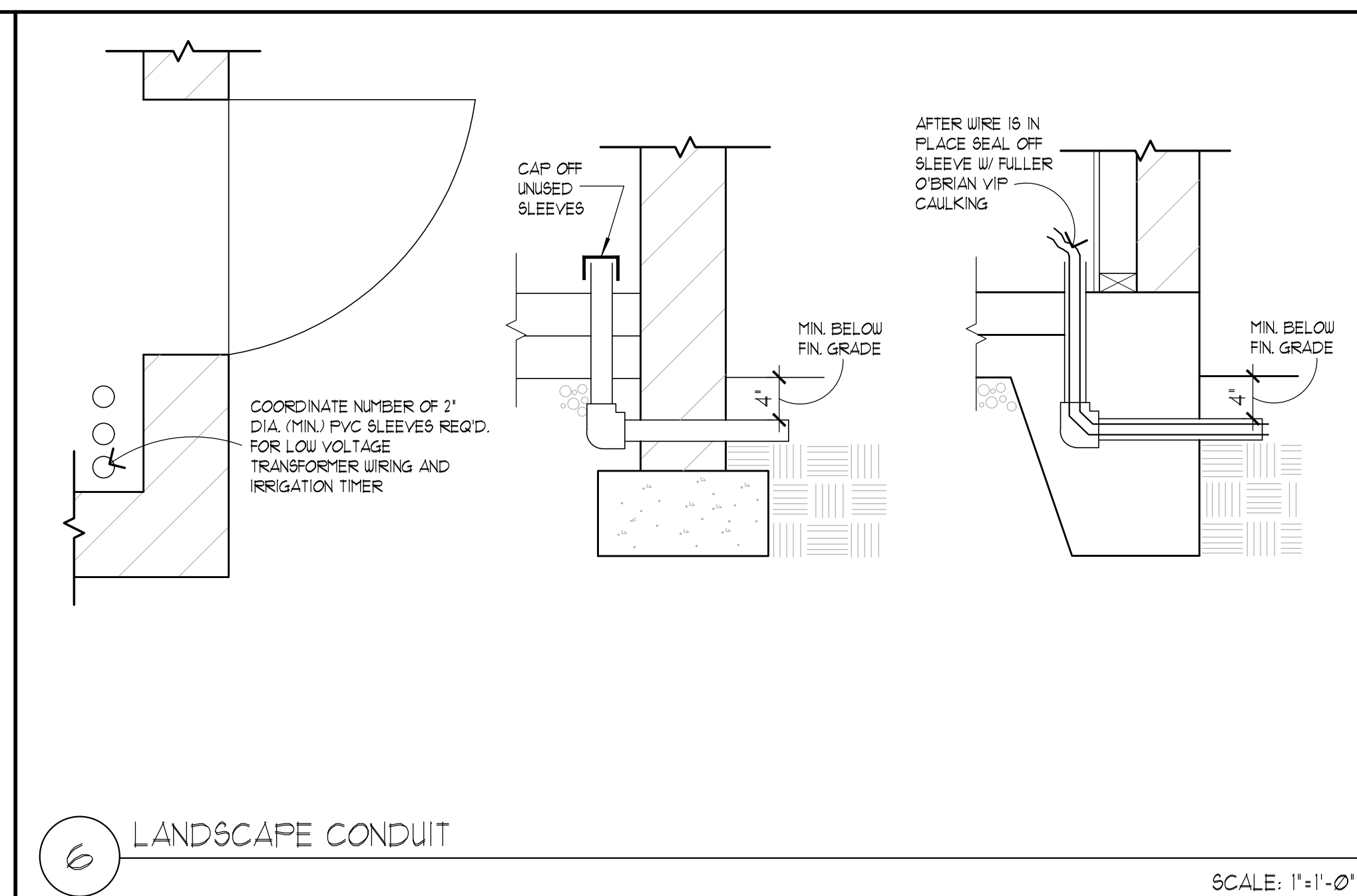
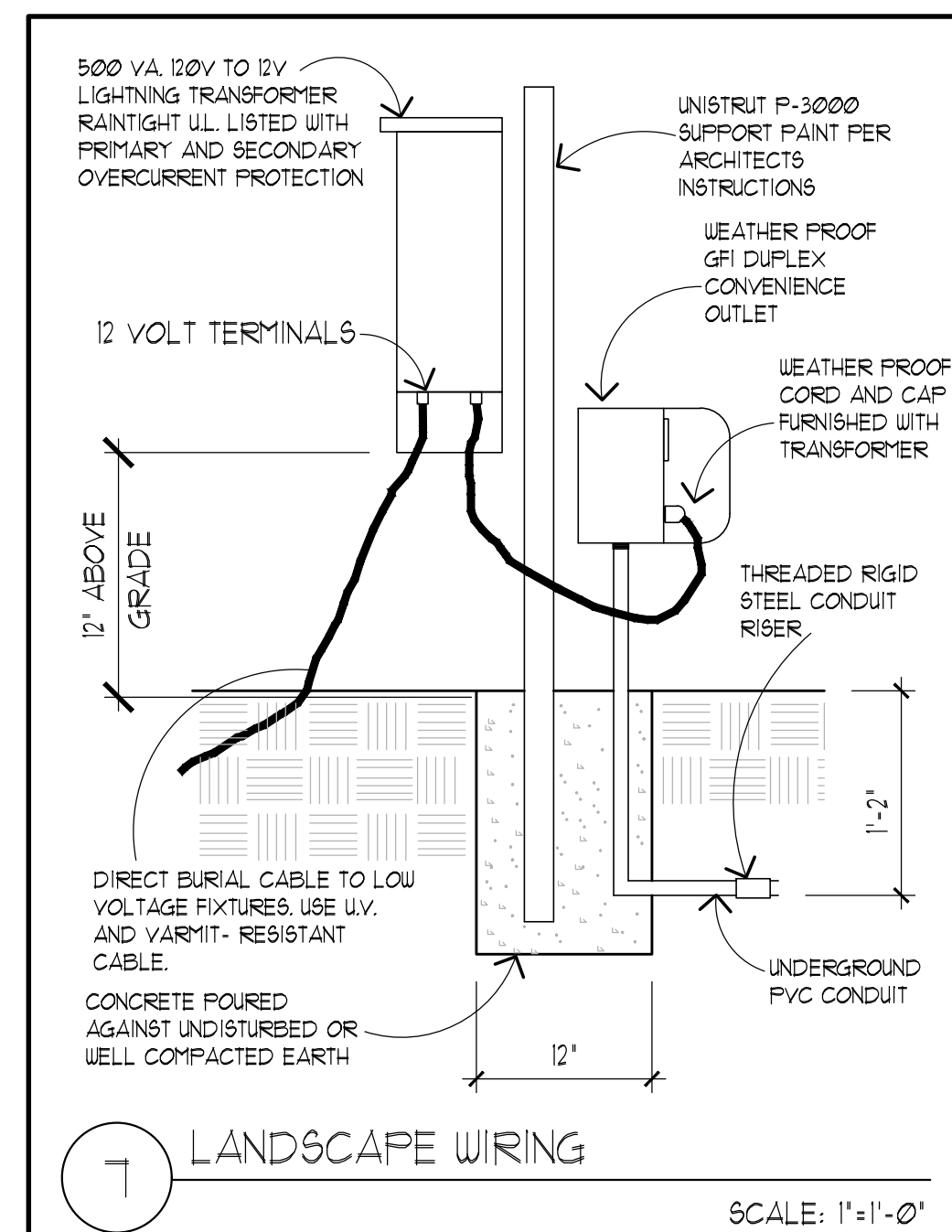
EXTERIOR LIGHTING PLAN

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A1.4

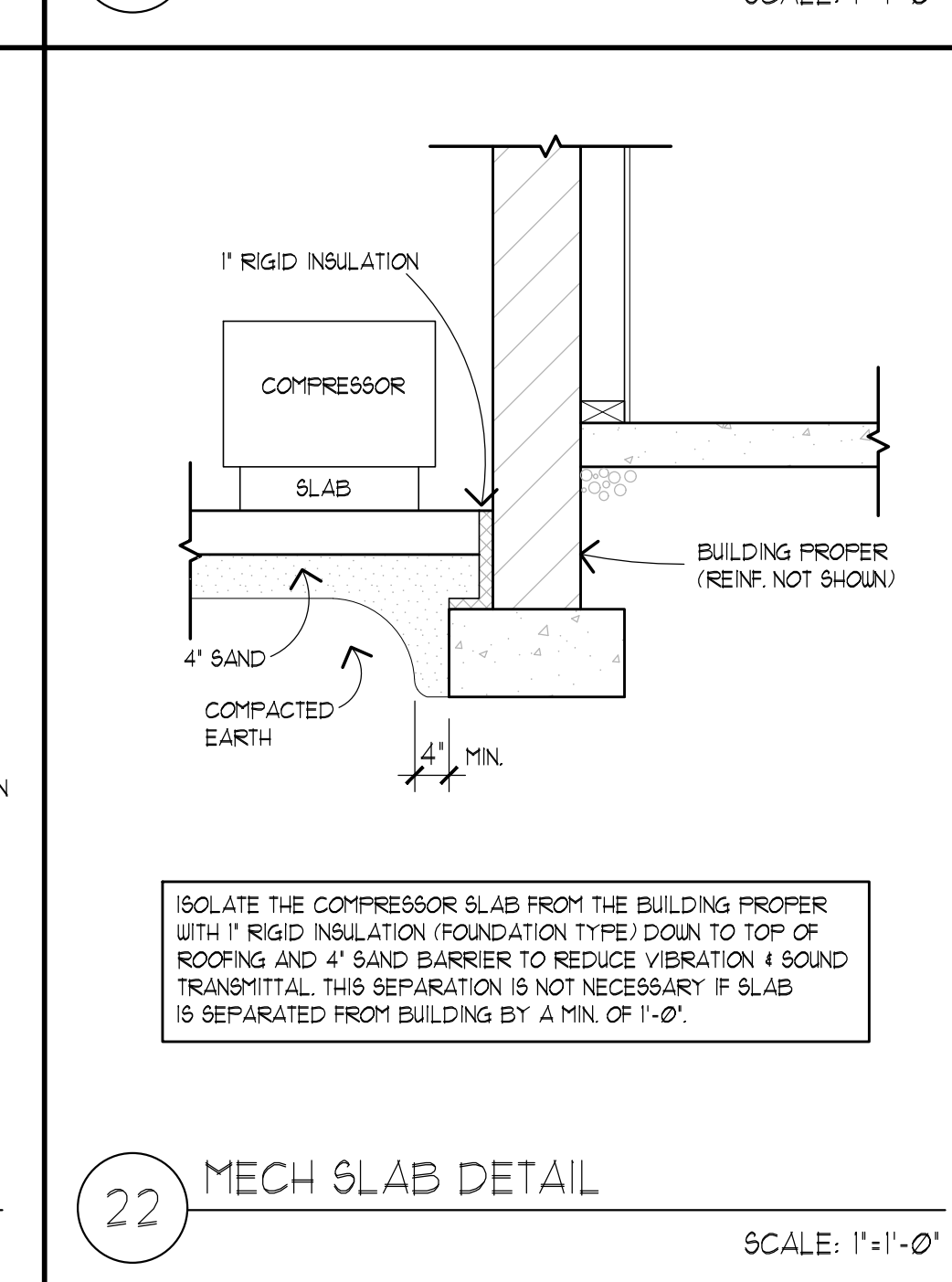
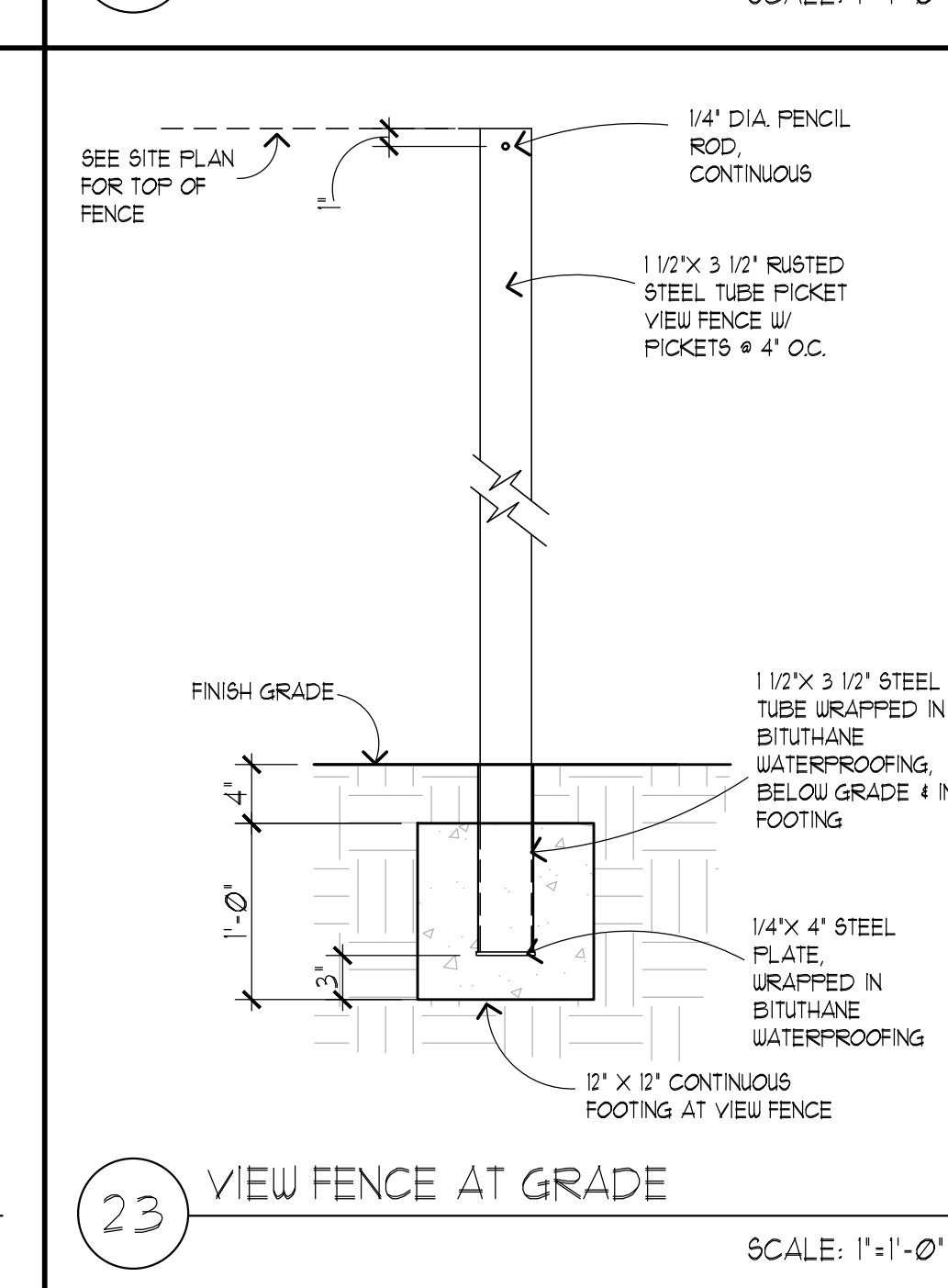
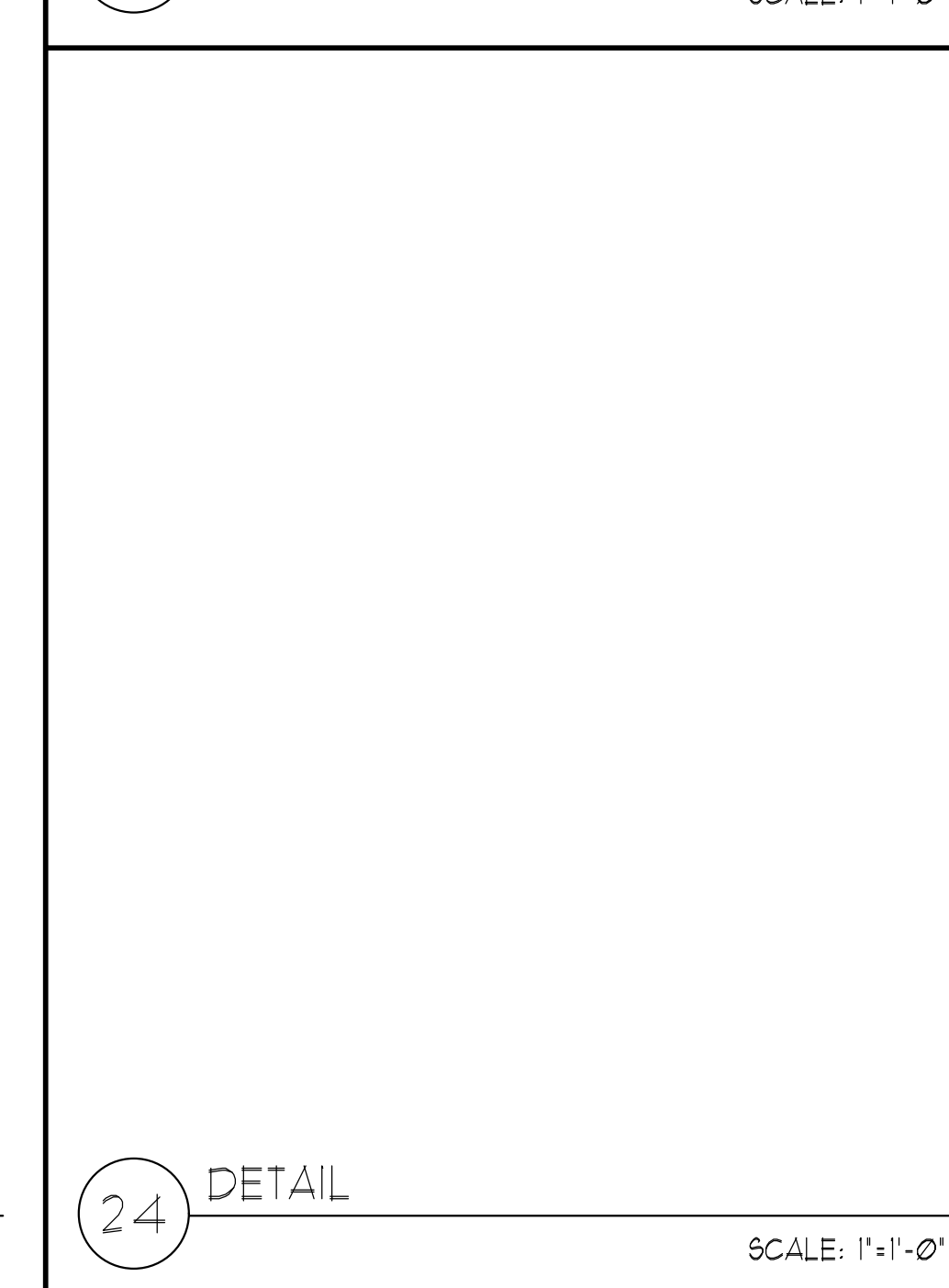
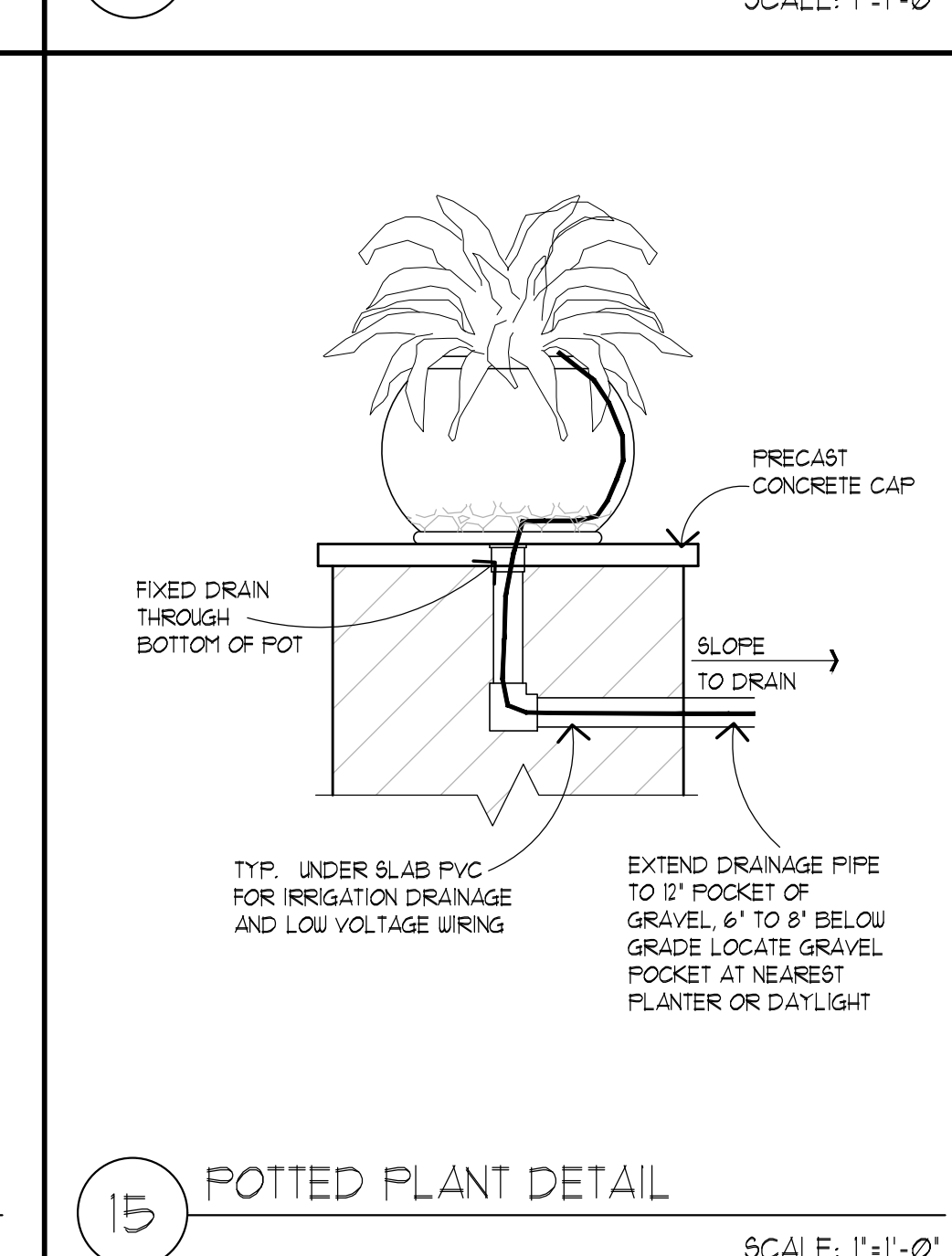


BOX SIZE	TREE WELL SIZE	
	DIAMETER	DEPTH
24x24x7	46"	25"
30x30x23	54"	31"
36x36x29	63"	37"
42x42x35	71"	43"
48x48x40	80"	49"
54x54x46	88"	55"
60x60x51	97"	60"
66x66x57	105"	66"
72x72x56	114"	66"

BOX SIZES SHOWN ARE TYPICAL - VERIFY ACTUAL BOX SIZE AND ADJUST WELL SIZE AS INDICATED.

16 TREE-Well SIZE CRITERIA

SCALE: 1"=1'-0"



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SCOTTSDALE, ARIZONA
85250
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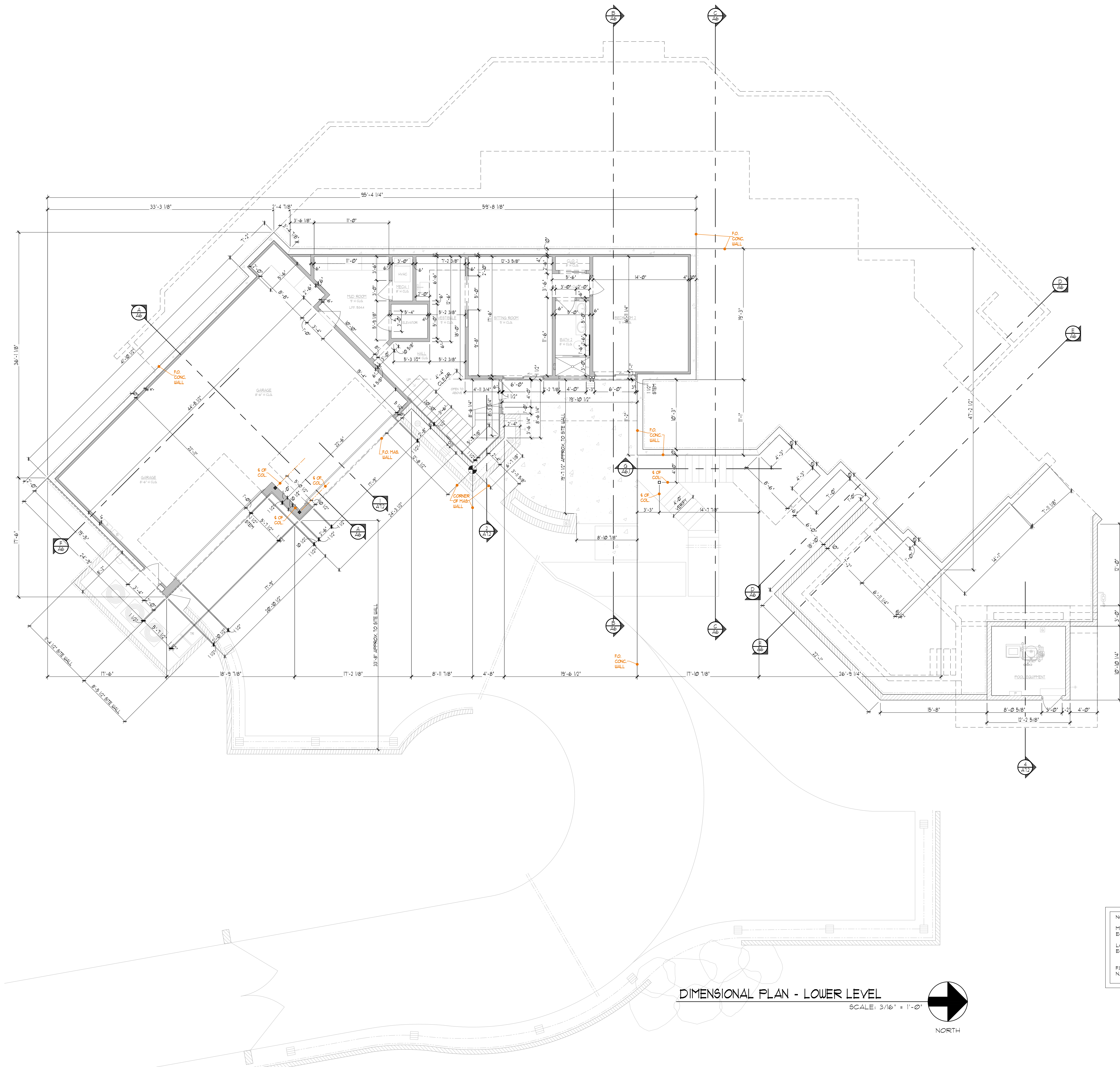
ARCHITECTURAL SITE DETAILS

DATE:	08.19.2022
SCALE:	AS NOTED
REVISION:	

A1.5

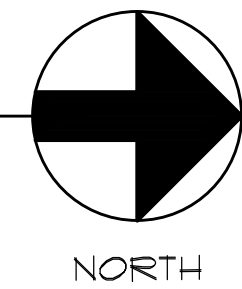
SHEET NUMBER

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253



DIMENSIONAL PLAN - LOWER LEVEL

SCALE: 3/16" = 1'-0"



NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF. = FINISH FLOOR
NG. = NATURAL GRADE

PRELIMINARY NOT FOR CONSTRUCTION

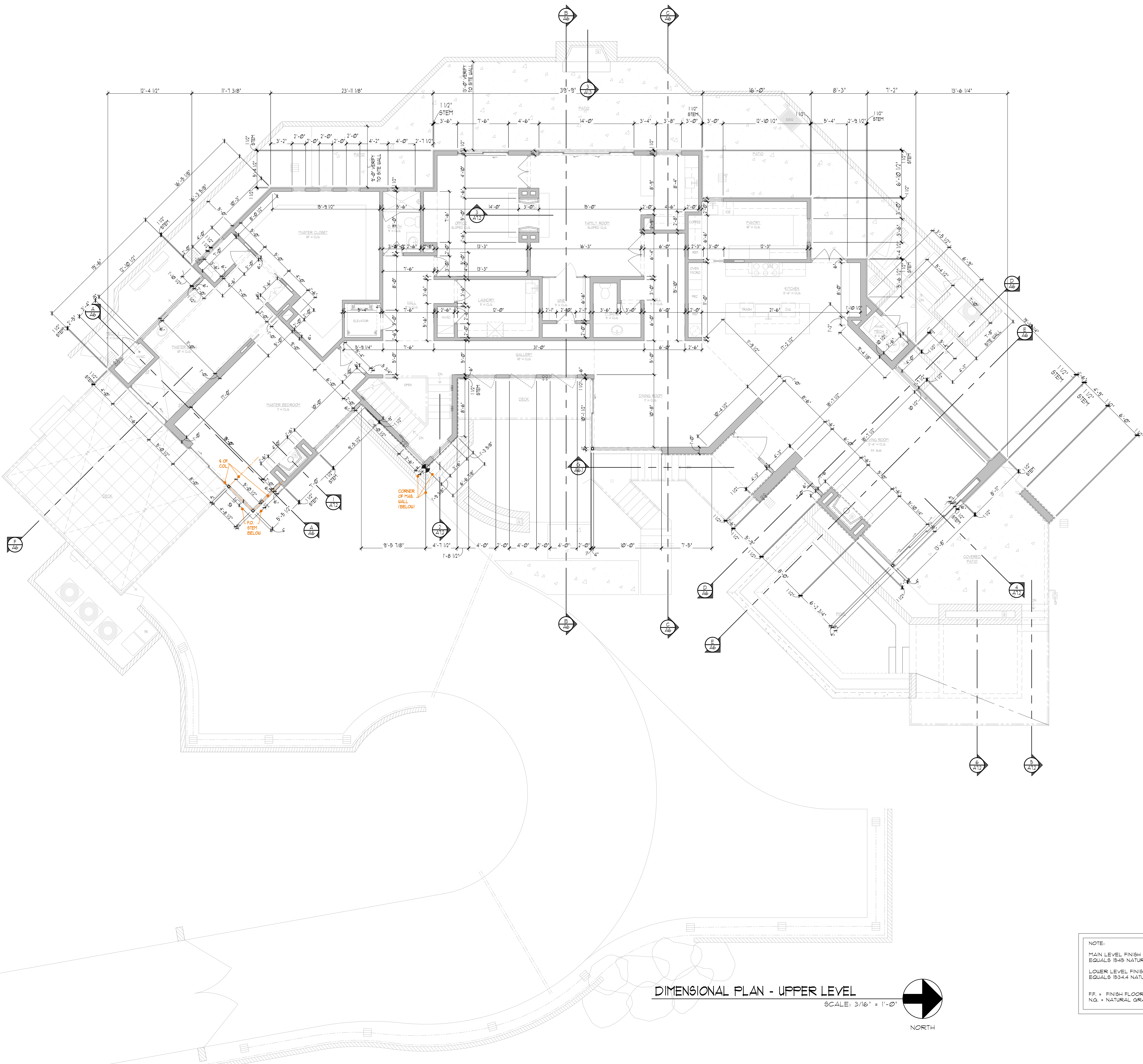
DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 122
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

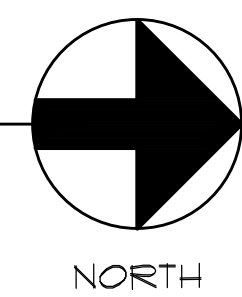
SHEET NUMBER
A2

EXPIRES: 3/31/2024



DIMENSIONAL PLAN - UPPER LEVEL

SCALE: 3/16" = 1'-0"



NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1945 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1934.4 NATURAL GRADE
FF = FINISH FLOOR
NG = NATURAL GRADE

PRELIMINARY NOT FOR CONSTRUCTION

EXPIRES: 3/31/2024
DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 102
SCOTTSDALE, AZ 85250
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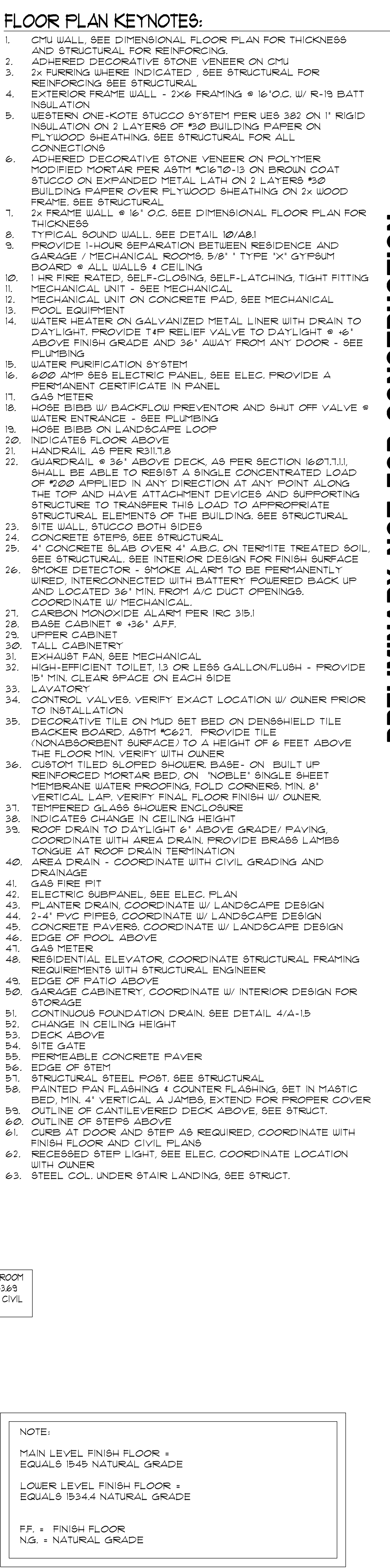
DIMENSIONAL PLAN
MAIN LEVEL

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

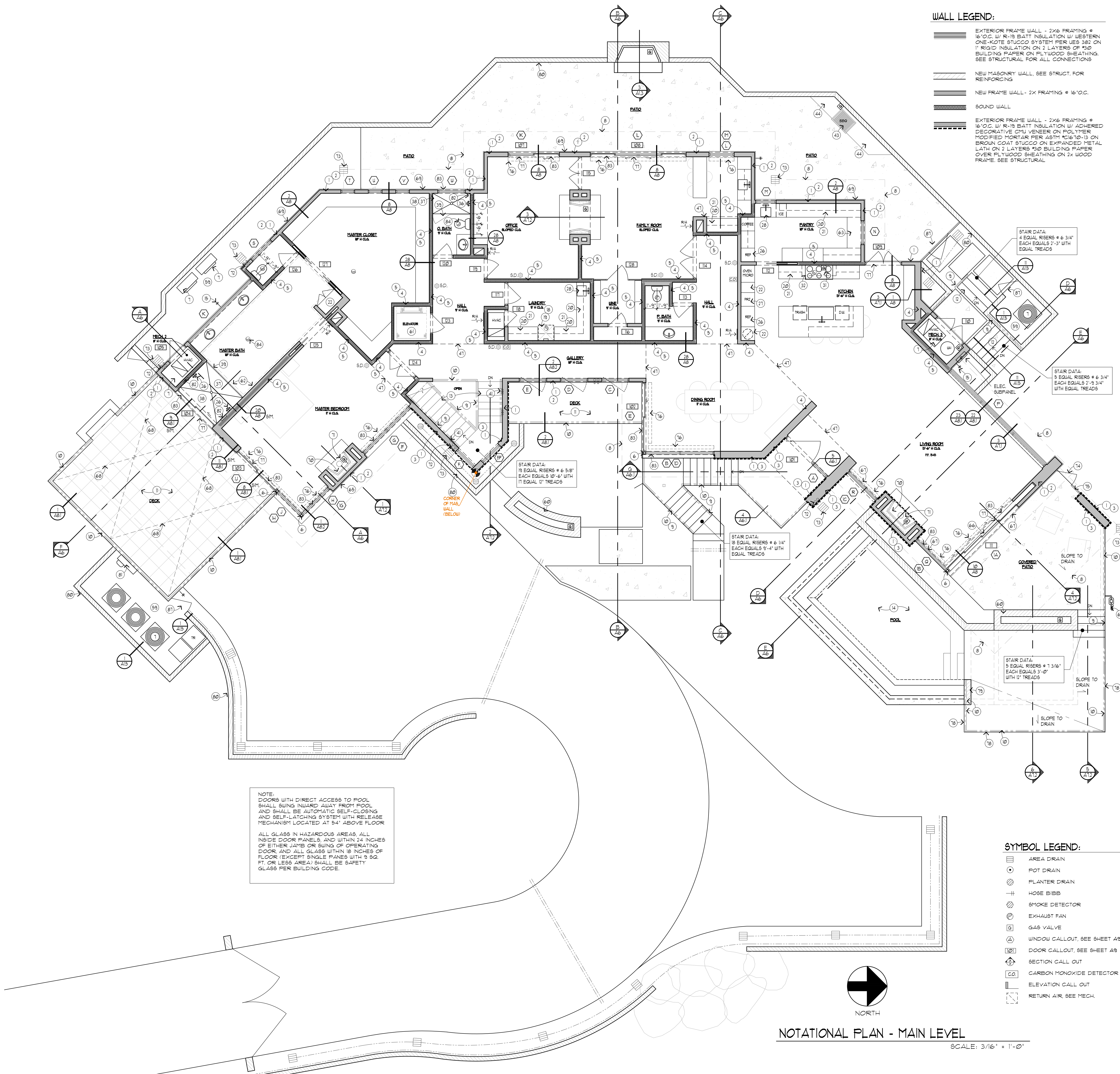
A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A2.1



A CUSTOM RESIDENCE FOR:	
CASKEY RESIDENCE	
7602 N. MOONLIGHT LANE PARADISE VALLEY, AZ 85252	
SHEET NUMBER	A3
DATE:	08.19.2022
SCALE:	AS NOTED
REVISION:	
PRELIMINARY NOT FOR CONSTRUCTION	
NOTATIONAL PLAN LOWER LEVEL	
DAVID DICK, ARCHITECT	
7400 E. McDONALD DR., SUITE 1022 SCOTTSDALE, ARIZONA 85260 (480) 945-1898 OFFICE (480) 945-8936 FAX	
EXPIRES: 3/31/2024	



WALL LEGEND:

[Symbol]	EXTERIOR FRAME WALL - 2X6 FRAMING # 16" O.C. W/ R-19 BATT INSULATION W/ WESTERN ONE-KOTE STUCCO SYSTEM PER UES 382 ON 1" RIGID INSULATION ON 2 LAYERS OF #90 BUILDING PAPER ON PLYWOOD SHEATHING. SEE STRUCTURAL FOR ALL CONNECTIONS.
[Symbol]	NEW MASONRY WALL, SEE STRUCT. FOR REINFORCING.
[Symbol]	NEW FRAME WALL - 2X FRAMING # 16" O.C.
[Symbol]	SOUND WALL
[Symbol]	EXTERIOR FRAME WALL - 2X6 FRAMING # 16" O.C. W/ R-19 BATT INSULATION W/ ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM #C1610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #90 BUILDING PAPER OVER PLYWOOD SHEATHING ON 2X WOOD FRAME. SEE STRUCTURAL.

- FLOOR PLAN KEYNOTES:
- EXTERIOR FRAME WALL - 2X6 FRAMING # 16" O.C. W/ R-19 BATT INSULATION WESTERN ONE-KOTE STUCCO SYSTEM PER UES 382 ON 1" RIGID INSULATION ON 2 LAYERS OF #90 BUILDING PAPER ON PLYWOOD SHEATHING. SEE STRUCTURAL FOR ALL CONNECTIONS.
 - ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM #C1610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #90 BUILDING PAPER OVER PLYWOOD SHEATHING ON 2X WOOD FRAME. SEE STRUCTURAL.
 - 2X FRAME WALL # 16" O.C. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS.
 - TYPICAL SOUND WALL. SEE DETAIL 10/A81.
 - STRUCTURAL STEEL POST. SEE STRUCTURAL.
 - MECHANICAL UNIT - SEE MECHANICAL.
 - INDICATES ROOF LINE.
 - HANDRAIL AS PER R311.8.
 - GUARDRAIL # 36" ABOVE DECK. AS PER SECTION 1607.11.1 SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 1000 APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP AND HAVE ATTACHMENT DEVICES AND SUPPORTING STRUCTURE TO TRANSFER THIS LOAD TO APPROPRIATE STRUCTURAL ELEMENTS OF THE BUILDING. SEE STRUCTURAL.
 - 24"x24" STONE TILE ON PRE-FABRICATED METAL TRAYS ON BISON SELF-LEVELING PEDESTAL DECK SYSTEM ON 3 COATS 90 MIL ELASTOMERIC URETHANE POLYMER WITH AN INTEGRATED MESH LAYER AND A SANDED FINAL COAT ON PLYWOOD SHEATHING.
 - CONCRETE STEPS. SEE STRUCTURAL.
 - SOLID WOOD TREAD ON STEEL FRAME ON PRE-MANUF. 8x8 STEEL TUBE STRINGER. SEE STRUCTURAL.
 - POOL UNDER SEPARATE PERMIT.
 - HOSE BIBB ON LANDSCAPE LOOP.
 - SMOKE DETECTOR - SMOKE ALARM TO BE PERMANENTLY WIRED, INTERCONNECTED WITH BATTERY POWERED BACK-UP AND LOCATED 36" MIN. FROM A/C DUCT OPENINGS. COORDINATE W/ MECHANICAL.
 - CARBON MONOXIDE DETECTOR PER R311.8.
 - STACKED WASHER W/ RECESSED CONNECTIONS. VERIFY PROPER CLEARANCES W/ UPPER CABINET. FLOOR DRAIN UNDER WASHER. COORDINATE W/ PLUMBING.
 - STACKED DRYER W/ RECESSED CONNECTIONS. VERIFY PROPER CLEARANCES W/ UPPER CABINET.
 - BASE CABINET # 36" AFF.
 - UPPER CABINET.
 - TALL CABINETRY.
 - ISLAND WITH SEATING. VERIFY FINAL DESIGN WITH OWNER.
 - BUILT-IN MICROWAVE. COORDINATE WITH CABINET DESIGN.
 - BUILT-IN OVEN. COORDINATE WITH CABINET DESIGN.
 - REFRIGERATOR. CONTRACTOR RESPONSIBLE FOR COORDINATING ELECTRICAL AND PLUMBING AS REQUIRED.
 - FREEZER WITH ICE & WATER IN DOOR. GEN. CONTRACTOR RESPONSIBLE FOR COORDINATING ELECTRICAL AND PLUMBING AS REQUIRED.
 - SINK W/ GARAGEAGE DISPOSAL.
 - DISHWASHER - PROVIDE WATER HAMMER ARRESTOR.
 - TRASH.
 - 48" WOLF GAS RANGE.
 - EXHAUST FAN WITH CUSTOM HOOD LINER, 600 CFM. SEE MECHANICAL. COORDINATE VENT THRU ROOF LOCATION WITHIN PARAPET AREA. SEE ROOF PLAN. COORDINATE HOOD W/ INTERIOR DESIGNER.
 - EXHAUST FAN. SEE MECHANICAL.
 - HIGH-EFFICIENT TOILET, 1.3 OR LESS GALLON/FLUSH - PROVIDE 15" MIN. CLEAR SPACE ON EACH SIDE.
 - LAVATORY.
 - CONTROL VALVES. VERIFY EXACT LOCATION W/ OWNER PRIOR TO INSTALLATION.
 - DECORATIVE TILE ON MUD SET BED ON DENSESHIELD TILE BACKER BOARD. ASTM #C621. PROVIDE TILE (NONABSORBENT SURFACE) TO A HEIGHT OF 6 FEET ABOVE THE FLOOR MIN. VERIFY WITH OWNER.
 - CUSTOM TILED SLOPED SHOWER BASE - ON BUILT UP REINFORCED MORTAR BED ON "NOBLE" SINGLE SHEET MEMBRANE WATER PROOFING, FOLD CORNERS MIN. 8" VERTICAL LAP. VERIFY FINAL FLOOR FINISH W/ OWNER.
 - TEMPERED GLASS SHOWER ENCLOSURE.
 - LINEN WITH ADJUSTABLE SHELVES.
 - RECESSED STEP LIGHT. SEE ELEC. COORDINATE LOCATION WITH OWNER.
 - FRENCH DRAIN-ZURN Z888-4 SLOTTED DRAIN SYSTEM.
 - BBQ.
 - CONCRETE COUNTER TOP AT BBQ AREA. COORDINATE W/ INTERIOR DESIGNER.
 - DOORS WITH DIRECT ACCESS TO POOL SHALL SWING INWARD AWAY FROM POOL AND SHALL BE AUTOMATIC SELF-CLOSING AND SELF-LATCHING SYSTEM WITH RELEASE MECHANISM LOCATED AT 54" ABOVE FLOOR. EGRESS WINDOW HEIGHT IS 44 INCHES MAX. ABOVE FINISH FLOOR AND 5, 1 SQ. FT. CLEAR NET OPERABLE AREA PER CODE INDICATES CHANGES IN CEILING HEIGHT.
 - DASH LINE INDICATES BLOCK OUT FOR FUTURE ELEVATOR. CONTRACTOR RESPONSIBLE TO COORDINATE REQUIRED STRUCTURAL AND ELECTRICAL REQUIREMENTS.
 - EXHAUST HOOD ABOVE.
 - ADHERED DECORATIVE CMU VENEER WITH HORIZ. RAKED JOINTS ON POLYMER MODIFIED MORTAR PER ASTM #C1610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #90 BUILDING PAPER OVER PLYWOOD SHEATHING ON 2X WOOD FRAME. SEE STRUCTURAL.
 - METAL TRACK / THRESHOLD.
 - DECK DRAIN.
 - DOWNDRAFT EXHAUST FAN WITH INLINE MOTOR. SEE MECHANICAL. COORDINATE VENT THRU WALL LOCATION. INSTALL PER MANUF. SPECIFICATIONS.
 - SUPPLY AIR. COORDINATE WITH MECHANICAL.
 - RETURN AIR. COORDINATE WITH MECHANICAL.
 - DECORATIVE CONCRETE CAP.
 - TREAD AND RISER - DECORATIVE PORCELAIN TILE ON 3/4" MUDSET ON 1/8" RUBBER SOUND MATT ON 3 COATS 90 MIL ELASTOMERIC URETHANE WATERPROOF MEMBRANE WITH AN INTEGRATED MESH LAYER AND A SANDED FINAL COAT, 8" LAP ON ALL VERTICAL SURFACES ON 1-1/8" PLYWOOD SUBFLOOR.
 - MECHANICAL YARD.
 - GAS FIRE PIT.
 - RESIDENTIAL ELEVATOR. COORDINATE STRUCTURAL FRAMING REQUIREMENTS W/ STRUCTURAL ENGINEER.
 - AREA OF HEATED FLOOR.
 - KNEE SPACE # DECK.
 - 44" CHIEF'S SINK.
 - EDGE OF STEM.
 - METAL THRESHOLD.
 - LINE OF WALL ABOVE.
 - INDICATES DRAINAGE PATTERN OF DECK BELOW. COORDINATE W/ PEDESTAL DECK SYSTEM AND WATER PROOF MEMBRANE.
 - GAS METER.
 - BOOKEND - MODULAR MASONRY FIRE PLACE, MAGNUM 48, PER ESR-1316 CUSTOM CUT AND REINFORCED. COORDINATE W/ INTERIOR DESIGNER.
 - PERMANENT GAS LOG PER ANSI 2216.0B-2004.
 - LATHES TONGUE FROM ROOF DRAIN ABOVE.
 - AREA DRAIN COORDINATE W/ GRADE AND DRAINAGE.
 - POOL GATE. SELF-CLOSING, SELF-LATCHING.
 - POOL FENCE.
 - MOTORIZED AWNING. COORDINATE WITH DOOR/WINDOW SYSTEM. COORDINATE.
 - VERIFY ELECTRICAL REQUIREMENTS.
 - PAINTED PAN FLASHING & COUNTER FLASHING, SET IN MASTIC BED, MIN. 4" VERTICAL AND AT JAMB'S EXTEND FOR PROPER COVER.
 - CANTILEVERED DECK. SEE STRUCT.
 - DECORATIVE WALL.
 - SITE WALL.
 - 600 AMP 600V ELECTRIC METER. SEE ELEC. PROVIDE A PERMANENT CERTIFICATE IN PANEL.
 - SOAP NICHES. COORDINATE WITH STONE / TILE PATTERN. SLOPE SLIGHTLY TO DRAIN.
 - ALL GLASS IN HAZARDOUS AREAS, ALL INSIDE DOOR PANELS, & WITHIN 24 INCHES OF EITHER JAMB OR SILING OF OPERATING DOOR, AND ALL GLASS WITHIN 18 INCHES OF FLOOR (EXCEPT SINGLE PANES WITH 9 SQ. FT. OR LESS AREA) SHALL BE SAFETY GLASS PER BUILDING CODE.
 - EXHAUST FAN IN BATHROOM WITH A SHOWER OR TUB SHALL BE PROVIDED WITH A DELAY TIMER OR HUMIDITY CONDENSATION CONTROL SENSOR. EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM THE LIGHTING SYSTEM. EXHAUST FANS FROM BATHROOMS, KITCHENS, AND TOILET ROOMS SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS, NOT REGULATORATED OR DISCHARGED INDOORS.
 - WATER HEATER ON GALVANIZED METAL LINER WITH DRAIN TO DAYLIGHT. PROVIDE T&P RELIEF VALVE TO DAYLIGHT # 6" ABOVE FINISH GRADE AND 36" AWAY FROM ANY DOOR - SEE PLUMBING.
 - WATER PURIFICATION SYSTEM.
 - SITE GATE.

SYMBOL LEGEND:

[Symbol]	AREA DRAIN
[Symbol]	POT DRAIN
[Symbol]	PLANTER DRAIN
[Symbol]	HOSE BIBB
[Symbol]	SMOKE DETECTOR
[Symbol]	EXHAUST FAN
[Symbol]	GAS VALVE
[Symbol]	WINDOW CALLOUT, SEE SHEET A81
[Symbol]	DOOR CALLOUT, SEE SHEET A8
[Symbol]	SECTION CALL OUT
[Symbol]	CARBON MONOXIDE DETECTOR
[Symbol]	ELEVATION CALL OUT
[Symbol]	RETURN AIR, SEE MECH.

NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1949 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1934.4 NATURAL GRADE
FF = FINISH FLOOR
NG = NATURAL GRADE

NOTATIONAL PLAN - MAIN LEVEL

SCALE: 3/16" = 1'-0"

PRELIMINARY NOT FOR CONSTRUCTION

A CUSTOM RESIDENCE FOR:

CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

DATE: 08.19.2022

SCALE: AS NOTED

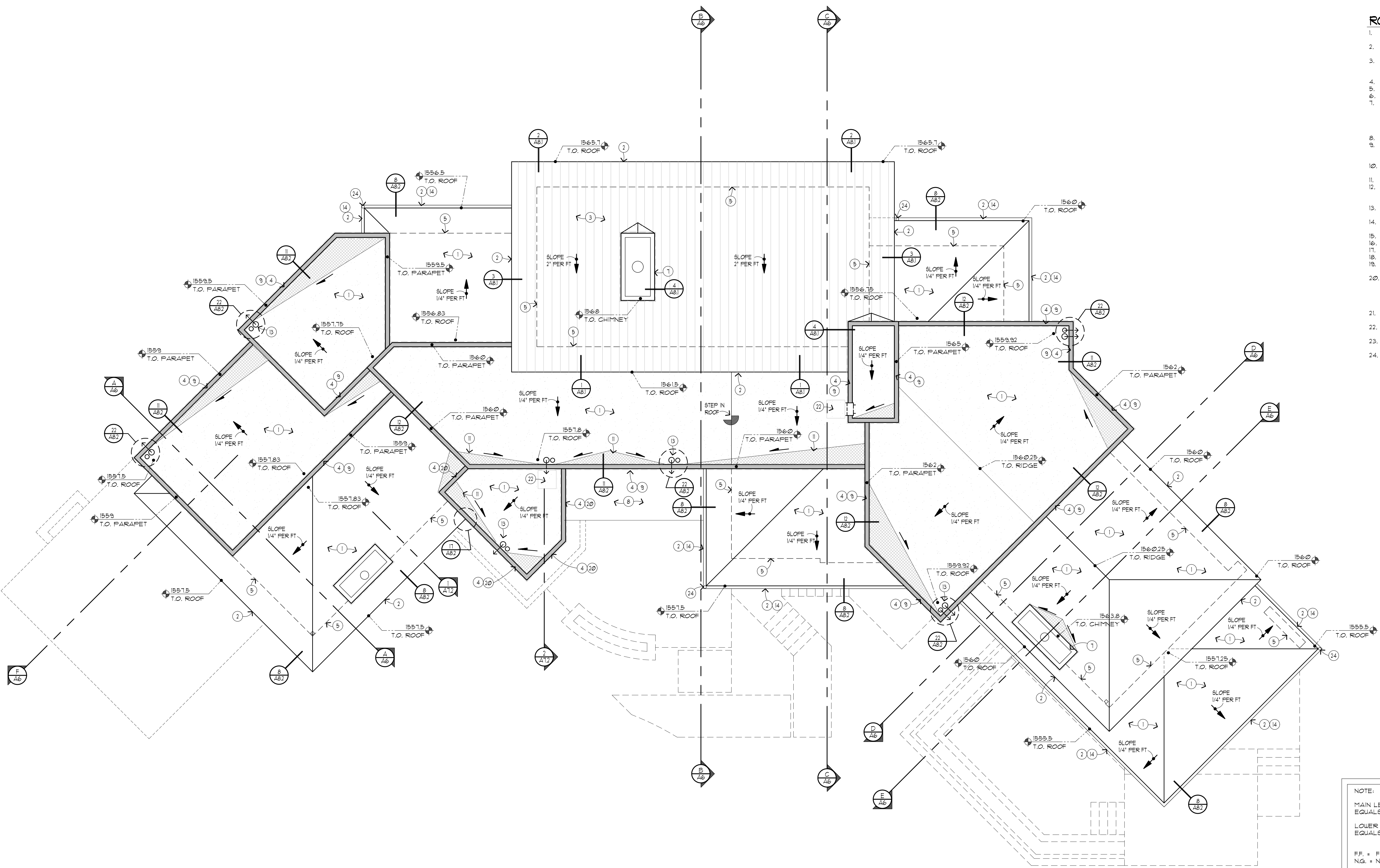
REVISION:

EXPIRES: 3/31/2024

DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-9898 OFFICE
(480) 945-9898 FAX

SHEET NUMBER

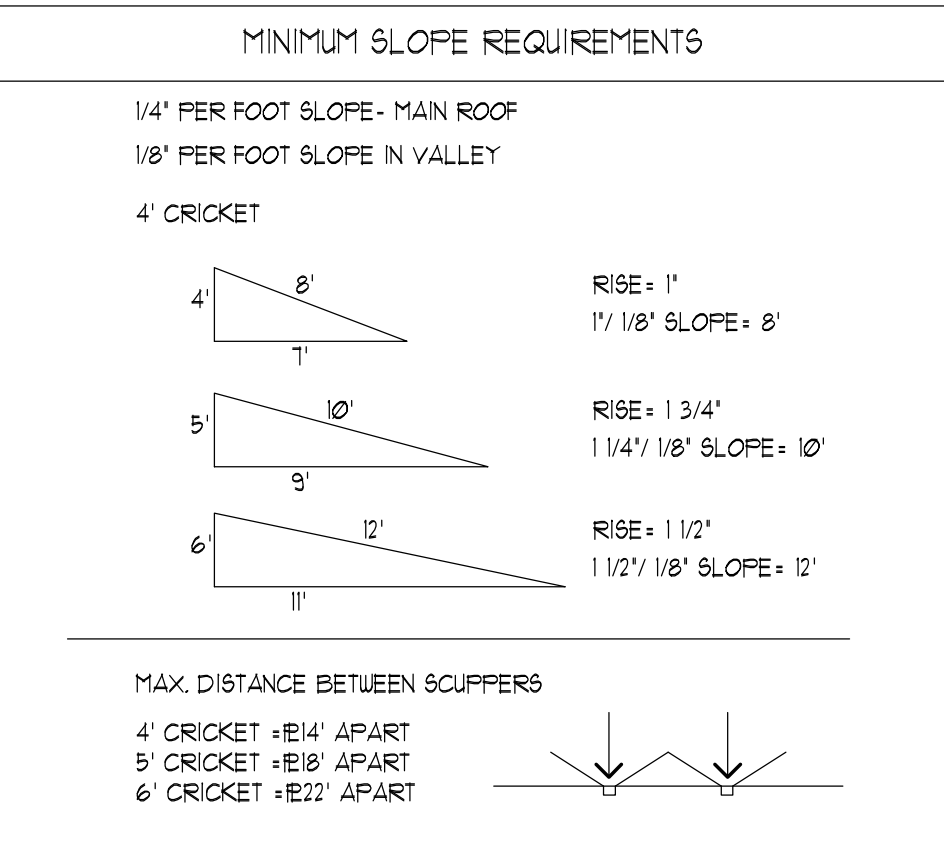
A3.1



- ROOF PLAN KEYNOTES:**
- 1-INCH FOAM ROOF SYSTEM PER ESR-2532 ON PLYWOOD SHEATHING OVER ROOF FRAMING, SEE STRUCTURAL
 - 22-GAUGE PAINTED METAL FASCIA W/ GRACE ULTRA UNDERLAYMENT W/ MIN. 4" LAP ALL ENDS
 - DECORATIVE COPPER ROOF SYSTEM ON GRACE ULTRA ICE & WATER SHIELD SELF-ADHESIVE ROOF UNDERLAYMENT PER ICC-ESR-1611
 - PARAPET
 - LINE OF WALL BELOW
 - STEEL COLUMN BELOW
 - CHIMNEY WITH ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM C10610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2-LAYERS #50 BUILDING PAPER OVER PLYWOOD SHEATHING, SEE STRUCTURAL
 - WALKING DECK
 - STUCCOED PARAPET W/ CONTINUOUS BITUTHANE WRAP AT TOP AND SIDES W/ A MINIMUM 12 INCH LAP, ANCHOR AT SIDES ONLY
 - METAL GUARDRAIL AT 3'-0" ABOVE ADJACENT FINISH FLOOR
 - CRICKET
 - EXHAUST FAN VENT THRU ROOF FROM BBQ. COORDINATE AND VERIFY LOCATION WITHIN PARAPET AREA. INSTALL PER MANUFACTURERS SPECIFICATIONS
 - ROOF DRAIN W/ OVERFLOW. DAYLIGHT 4" ABOVE GRADE. COORDINATE DAYLIGHT WITH AREA DRAIN BELOW
 - GUTTER MATCH FASCIA. PROVIDE RAIN CHAIN AT OUTLET. COORDINATE WITH AREA DRAIN/ SPLASH PAD BELOW
 - SPLASH PAD
 - AREA DRAIN BELOW
 - DECK DRAIN BELOW SEE FLOOR PLAN
 - DECORATIVE METAL SHROUD
 - METAL TRELLIS - OWNER AND ARCHITECT TO APPROVE FINAL DESIGN
 - PARAPET WITH ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM C10610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2-LAYERS #50 BUILDING PAPER OVER PLYWOOD SHEATHING, SEE STRUCTURAL
 - METAL SCUPPER PAINTED. COORDINATE WITH TERMINATION LOCATION.
 - PROVIDE A SPLASH PAD ON THE FOAM ROOF. COORDINATE WITH SCUPPER LOCATION OR LAMES TOUGE
 - COORDINATE SCUPPER TERMINATION WITH LANDSCAPE BELOW
 - DOWN SPOUT W/ RAIN CHAIN

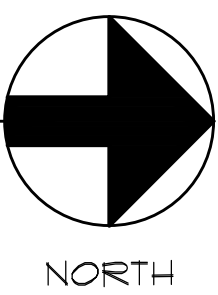
NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF = FINISH FLOOR
NG = NATURAL GRADE

- ROOF PLAN NOTES:**
- COVER ALL VENTS, PIPES, DRAIN PIPES, OR OTHER MISCELLANEOUS OPENINGS TO THE OUTSIDE WITH GALVANIZED METAL INSECT SCREEN TO PREVENT MIGRATION OF RODENTS AND INSECTS.
- COORDINATE SPLASH BLOCK/ BOULDERS & LANDSCAPE TO PREVENT EROSION & GRADE BELOW ALL SCUPPERS
- ALL ROOF CEILING INSULATION SHALL BE INSTALLED IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM "DEMILEC" PER ESR-2668 OR APPROVED EQUAL. NO ATTIC VENTILATION SHALL BE REQUIRED IN SUCH AREAS.
- NO ROOF PENETRATION OF ANY TYPE ARE ALLOWED IN NON-PARAPETTED FLAT ROOFS. COORDINATE W/ ARCHITECT ALL LOCATIONS FOR PLUMBING VENTS AND EXHAUST HOODS. PAINT ALL ROOF PENETRATIONS INCLUDING BUT NOT LIMITED TO VENTS, PIPES AND FLUES.



ROOF PLAN

SCALE: 3/16" = 1'-0"



PRELIMINARY NOT FOR CONSTRUCTION

EXPIRES: 3/31/2024
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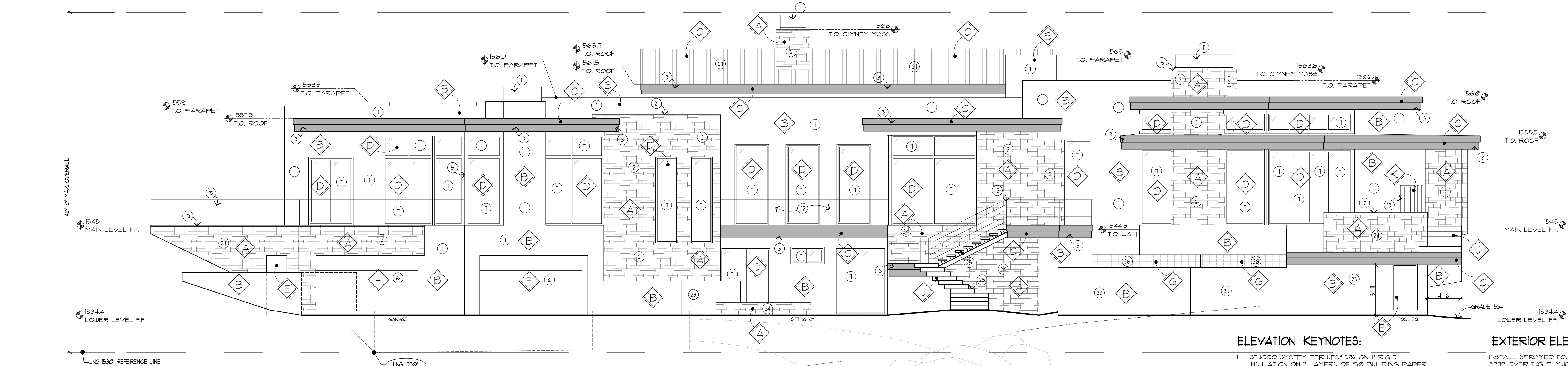
ROOF PLAN

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

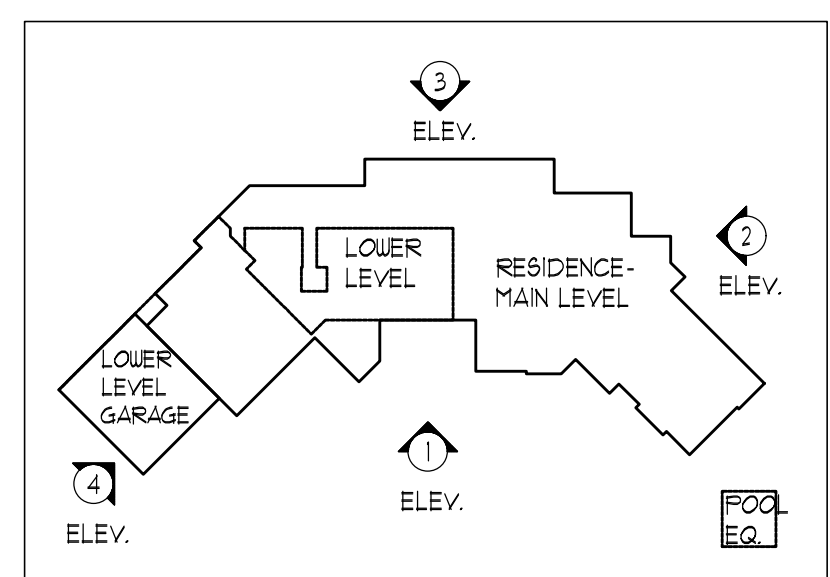
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A4



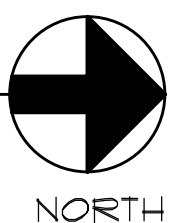
1 FRONT ELEVATION (EAST)

SCALE: 3/16" = 1'-0"

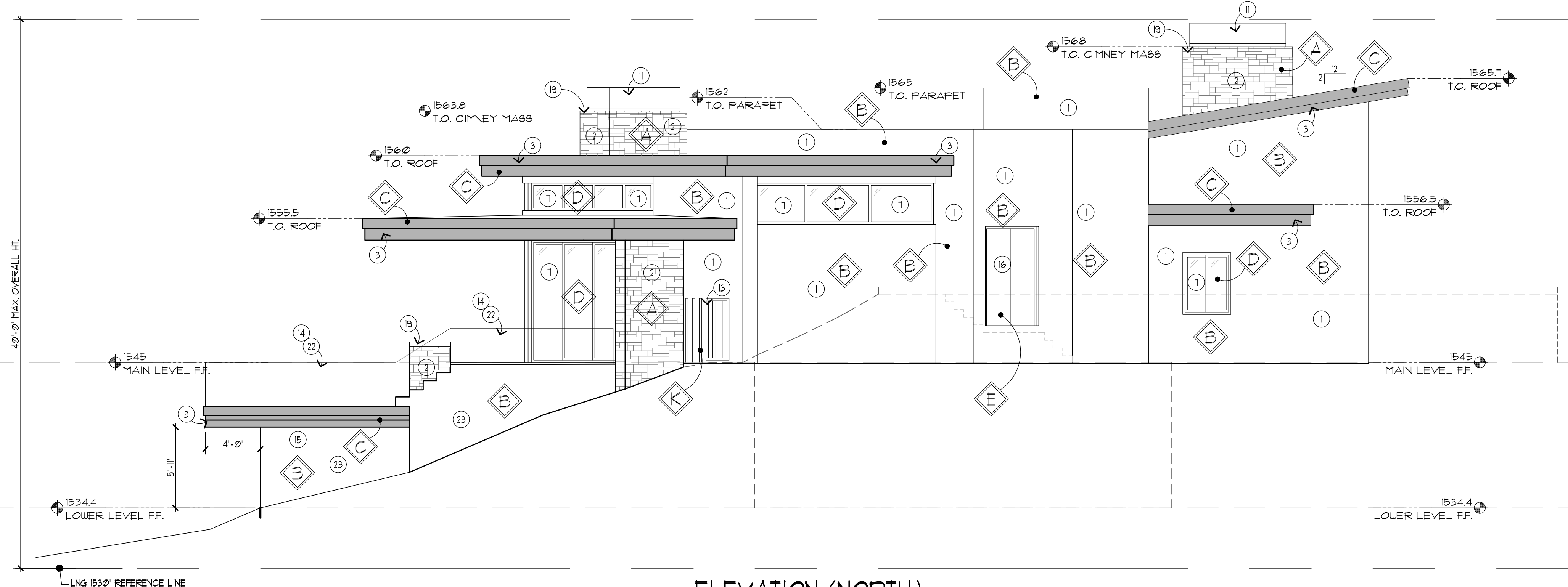


ELEVATION LEGEND

SCALE: NTS



NORTH



2 ELEVATION (NORTH)

SCALE: 3/16" = 1'-0"

ELEVATION KEYNOTES:

1. STUCCO SYSTEM PER UES-382 ON 1" RIGID INSULATION ON 2 LAYERS OF #30 BUILDING PAPER ON FLYWOOD SHEATHING ON 2x WOOD FRAMING. SEE STRUCTURAL.
2. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM C610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #30 BUILDING PAPER OVER FLYWOOD SHEATHING ON 2x WOOD FRAME. SEE STRUCTURAL.
3. 22 GAUGE METAL FASCIA W/ GRACE ULTRA UNDERLAYMENT WITH MIN. 4" LAP ALL ENDS. PAINTED BREAK METAL & MIDSPAN TO MATCH DOOR / WINDOW SYSTEM.
4. STRUCTURAL COLUMN WRAPPED W/ BREAK METAL. PAINTED TO MATCH DOOR / WINDOW SYSTEM.
5. INSULATED ALUMINUM GARAGE DOOR.
6. INSULATED ALUMINUM GARAGE DOOR.
7. INSULATED ALUMINUM DOOR / WINDOW SYSTEM W/ BUTYLANE WINDOW FLASHING. SEE DOOR & WINDOW SCHEDULE. WINDOW MILLIONS, CORNER COLUMN WRAPPED IN BREAK METAL, PAINTED TO MATCH DOOR / WINDOW SYSTEM.
8. CONCRETE SITE STEPS, SLOPE FOR PROPER DRAINAGE, EXPOSED AGGREGATE FINISH.
9. STUCCO SYSTEM OVER CMU WALL.
10. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR ON CMU WALL.
11. DECORATIVE METAL SPARK ARRESTOR SCREEN.
12. PAINTED METAL HAND RAIL TO MATCH RUSTED STEEL.
13. RUSTED STEEL VIEW FENCE AND GATE.
14. GUARDRAIL, TOP OF RAILING AT 3FT HIGH (MIN.) ABOVE PATIO.
15. POOL EQ. ROOM BELOW PATIO WITH METAL ACCESS DOOR.
16. HOLLOW METAL DOOR FRAME AND JAMB. CONTRACTOR RESPONSIBLE TO VERIFY AND COORDINATE ROOF DRAIN & OVERFLOW PIPE BEHIND FOUNDATION STEM (AS REQUIRED) AT PIPE TERMINATION TO DAYLIGHT.
17. PLANTER DRAIN DAYLIGHT 4" ABOVE GRADE.
18. STONE CAP & TOP OF MASS. SEE DETAIL 4/A82.
19. NOT USED.
20. NOT USED.
21. METAL PARAPET CAP.
22. TEMPERED GLASS GUARD RAIL SYSTEM.
23. STUCCO ON CMU WALL.
24. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM C610-13 ON CMU WALL.
25. STONE TREADS IN STEEL PANS ON STEEL STRINGER.
26. DECORATIVE POOL TILE COORDINATE WITH INTERIOR DESIGNER.
27. METAL ROOF W/ SNAP PM BATTENS OVER GRACE ULTRA ICE & WATER SHIELD SELF ADHESIVE ROOF UNDERLAYMENT PER ICC-ESR-1671 ON FLYWOOD SHEATHING.

NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF. = FINISH FLOOR
NG. = NATURAL GRADE

EXTERIOR ELEVATION NOTES:

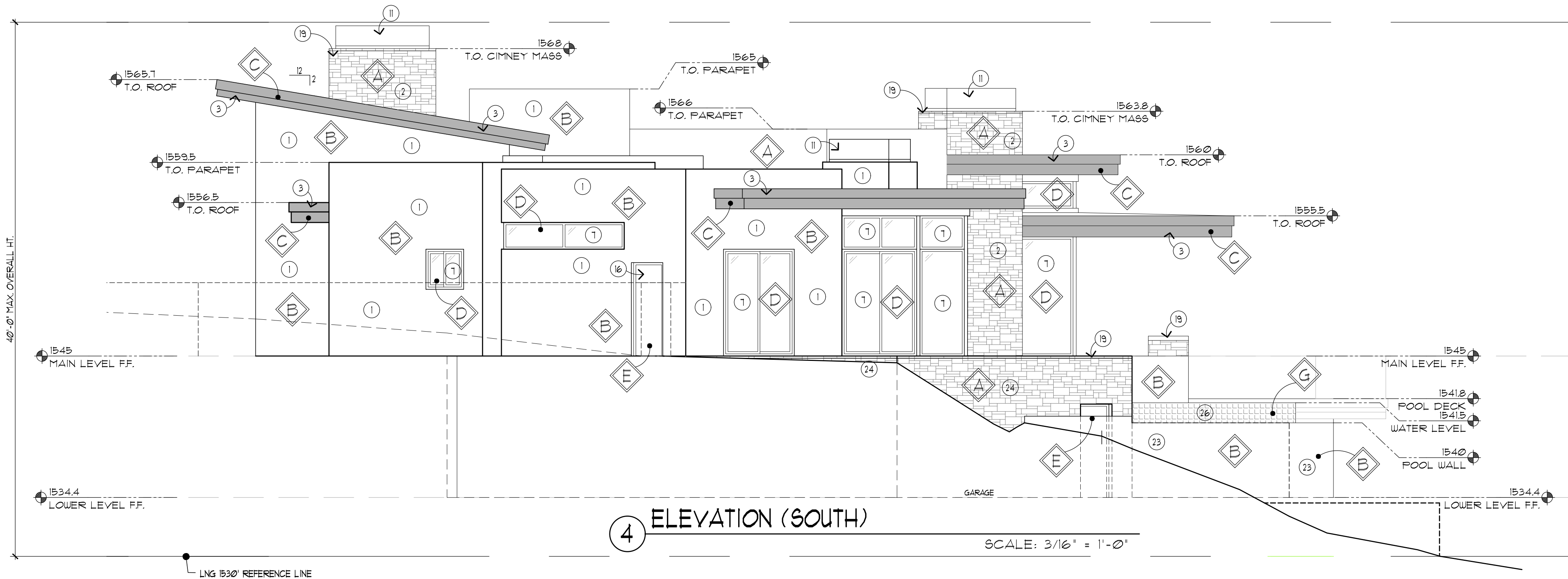
- INSTALL SPRAYED FOAM ROOFING SYSTEM PER ESR-5978 OVER T&G FLYWOOD ROOF DECK SHEATHING BONDED W/ EXTERIOR GLUE TAPE DECK JOINTS W/ ONE-LAYER OF 2-MIL THICK ALUMINUM BACKED 2" WIDE TAPE.
- CONSTRUCT ROOF DECK WITH CRICKETS, AS REQUIRED TO SLOPE TO DRAINS AND SCUPPERS. MAINTAIN A MINIMUM OF 1/4" PER 12 INCH SLOPE AT ROOF 4 1/8" PER FOOT MINIMUM CRICKET VALLEYS.
- INSTALL SPRAYED FOAM ROOFING SYSTEM UP VERTICAL SURFACES OF ALL ROOF PENETRATIONS TO INSURE WATERPROOF INSTALLATION.
- COVER ALL VENTS, PIPES, DRAIN PIPES, OR OTHER MISCELLANEOUS OPENINGS TO THE OUTSIDE WITH GALVANIZED METAL INSECT SCREEN TO PREVENT MIGRATION OF RODENTS AND INSECTS.
- COORDINATE SPLASH BLOCK/ BOULDER & LANDSCAPE TO PREVENT EROSION & GRADE BELOW ALL SCUPPERS.
- ALL ROOF CEILING INSULATION SHALL BE INSTALLED IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM 'ICYNENE' PER ESR-1826. NO ATTIC VENTILATION SHALL BE REQUIRED IN SUCH AREAS.

	MATERIAL	COLOR
A	WALL STONE: VENEER	HIGHLAND SCOTCH CASTLE ROCK LRV 28
B	STUCCO: (SAND FINISH)	DUNN EDWARDS DE 6215 'WOODEN PEG' LRV 31
C	METAL ROOF & FASCIA	COPPER OLD PENNY LRV 30
D	ALUMINUM DOOR / WINDOW:	DARK BRONZE ANODIZED LRV 8
E	HOLLOW METAL MECH. DOOR & JAMB:	DUNN EDWARDS DE 6215 'WOODEN PEG' LRV 31
F	ALUMINUM GARAGE DOOR:	DUNN EDWARDS DET 605 'GRANGE HALL' LRV 19
G	NEGATIVE EDGE POOL TILE: NOBEL POOL TILE	MANSION NPM5 665 LRV 31
H	SITE GATES: & MECH. YARD	RUSTED STEEL HORIZONTAL PANELS DUNN EDWARD BURNS CAVE DE 6038 LRV 26
J	STEPS	EXPOSED AGGREGATE CONCRETE STEPS LRV 32
K	VIEW FENCE STEEL GUARDRAILS:	RUSTED STEEL DUNN EDWARD BURNS CAVE DE 6038 LRV 11
L	ROOF MATERIAL & COLOR	CEDAR BLEND LRV 26
M	EXTERIOR SOFFITS (SYNTHETIC FINISH)	WALNUT T&G LRV 26
N	FLAGSTONE TREADS	CHOCOLATE BROWN LRV 21
P	CONCRETE PAVER	BELGARD DESERT LRV 22 HOLLAND SERIES
Q	ARTISTIC PAVER	LINEN GRAY LRV 21 LIMESTONE LOCK SERIES

ALL MATERIAL AND COLOR SHALL BE LESS THAN 30 LRV

3 REAR ELEVATION (WEST)

SCALE: 3/16" = 1'-0"



ELEVATION KEYNOTES:

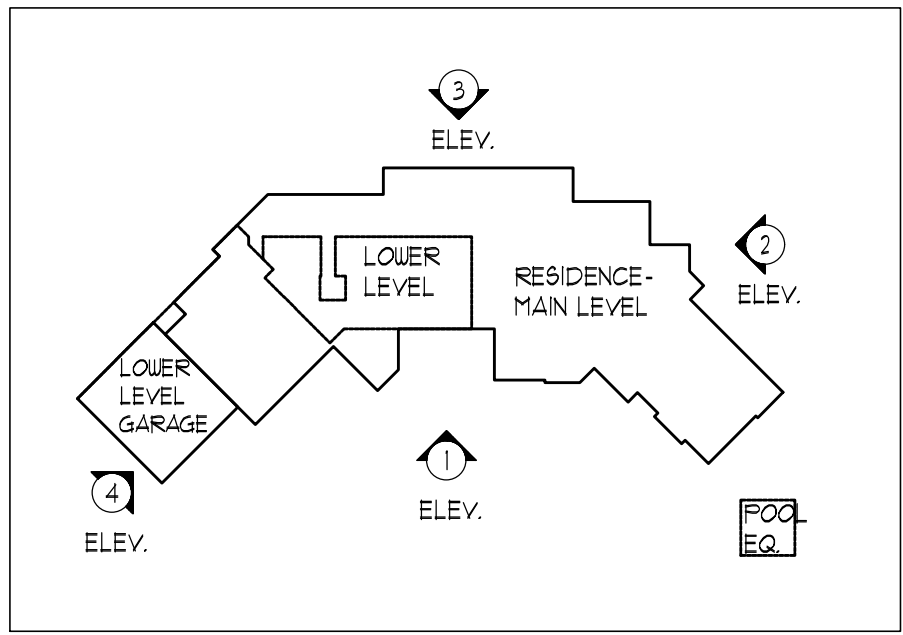
1. STUCCO SYSTEM PER UES* 382 ON 1" RIGID INSULATION ON 2 LAYERS OF #30 BUILDING PAPER ON FLYWOOD SHEATHING ON 2x WOOD FRAMING. SEE STRUCTURAL.
2. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM #C1610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #30 BUILDING PAPER OVER FLYWOOD SHEATHING ON 2x WOOD FRAME. SEE STRUCTURAL.
3. 22 GAUGE METAL FASCIA W/ GRACE ULTRA UNDERLAYMENT WITH MIN. 4" LAP ALL ENDS.
4. PAINTED BREAK METAL # MIDSPAN TO MATCH DOOR / WINDOW SYSTEM.
5. STRUCTURAL COLUMN WRAPPED W/ BREAK METAL PAINTED TO MATCH DOOR / WINDOW SYSTEM.
6. INSULATED ALUMINUM GARAGE DOOR.
7. BUTYLANE WINDOW FLASHING SEE DOOR 4 WINDOW SCHEDULE. WINDOW MULLIONS, CORNER COLUMN UNWRAPPED IN BREAK METAL, PAINTED TO MATCH DOOR / WINDOW SYSTEM.
8. CONCRETE SITE STEPS, SLOPE FOR PROPER DRAINAGE. EXPOSED AGGREGATE FINISH.
9. STUCCO SYSTEM OVER CMU WALL.
10. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR ON CMU WALL.
11. DECORATIVE METAL SPARK ARRESTOR SCREEN.
12. PAINTED METAL HAND RAIL TO MATCH RUSTED STEEL.
13. RUSTED STEEL VIEW FENCE AND GATE.
14. GUARDRAIL TOP OF RAILING AT 3FT HIGH (MIN.) ABOVE PATIO.
15. POOL EQ. ROOM BELOW PATIO WITH METAL ACCESS DOOR.
16. HOLLOW METAL DOOR, FRAME AND JAMB. CONTRACTOR RESPONSIBLE TO VERIFY AND COORDINATE ROOF DRAIN & OVERFLOW PIPE BEHIND FOUNDATION STEM (AS REQUIRED) AT PIPE TERMINATION TO DAYLIGHT. PLANTER DRAIN DAYLIGHT 4" ABOVE GRADE.
17. STONE CAP # TOP OF MASS. SEE DETAIL 4/A&2.
18. NOT USED.
19. METAL PARAPET CAP.
20. TEMPERED GLASS GUARD RAIL SYSTEM.
21. STUCCO ON CMU WALL.
22. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM #C1610-13 ON CMU WALL.
23. STONE TREADS IN STEEL PANS ON STEEL STRINGER.
24. DECORATIVE POOL TILE COORDINATE WITH INTERIOR DESIGNER.
25. METAL ROOF W/ SNAP RM BATTENS OVER GRACE ULTRA ICE & WATER SHIELD SELF ADHESIVE ROOF UNDERLAYMENT PER ICC-ESR #1611 ON FLYWOOD SHEATHING.

EXTERIOR ELEVATION NOTES:

- INSTALL SPRAYED FOAM ROOFING SYSTEM PER ESR* 8519 OVER T&G FLYWOOD ROOF DECK SHEATHING BONDED W/ EXTERIOR GLUE TAPE DECK JOINTS W/ ONE-LAYER OF 2-MIL THICK ALUMINUM BACKED 2" WIDE TAPE.
- CONSTRUCT ROOF DECK WITH CRICKETS, AS REQUIRED TO SLOPE TO DRAINS AND SCUPPERS. MAINTAIN A MINIMUM OF 1/4" PER 12 INCH SLOPE AT ROOF 4 1/8" PER FOOT MINIMUM # CRICKET VALLEYS.
- INSTALL SPRAYED FOAM ROOFING SYSTEM UP VERTICAL SURFACES OF ALL ROOF PENETRATIONS TO INSURE WATERPROOF INSTALLATION.
- COVER ALL VENTS, PIPES, DRAIN PIPES, OR OTHER MISCELLANEOUS OPENINGS TO THE OUTSIDE WITH GALVANIZED METAL INSECT SCREEN TO PREVENT MIGRATION OF RODENTS AND INSECTS.
- COORDINATE SPLASH BLOCK/BOULDERS & LANDSCAPE TO PREVENT EROSION # GRADE BELOW ALL SCUPPERS.
- ALL ROOF CEILING INSULATION SHALL BE INSTALLED IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM (ICYNENE) PER ESR-1826. NO ATTIC VENTILATION SHALL BE REQUIRED IN SUCH AREAS.

	MATERIAL	COLOR
A	WALL STONE: VENEER	HIGHLAND SCOTCH CASTLE ROCK LRV 28
B	STUCCO: (SAND FINISH)	DUNN EDWARDS DE 6215 'WOODEN PEG' LRV 31
C	METAL ROOF & FASCIA	COPPER OLD PENNY LRV 30
D	ALUMINUM DOOR / WINDOW:	DARK BRONZE ANODIZED LRV 8
E	HOLLOW METAL MECH. DOOR & JAMB:	DUNN EDWARDS DE 6215 'WOODEN PEG' LRV 31
F	ALUMINUM GARAGE DOOR:	DUNN EDWARDS DET 695 'GRANGE HALL' LRV 19
G	NEGATIVE EDGE POOL TILE: NOBEL POOL TILE	MANSION NPM5 665 LRV 31
H	SITE GATES: # MECH. YARD	RUSTED STEEL HORIZONTAL PANELS DUNN EDWARD BURNS CAVE DE 6098
J	STEPS	EXPOSED AGGREGATE CONCRETE STEPS LRV 32
K	VIEW FENCE STEEL GUARDRAILS:	RUSTED STEEL DUNN EDWARD BURNS CAVE DE 6098 LRV 11
L	ROOF MATERIAL & COLOR	CEDAR BLEND LRV 26
M	EXTERIOR SOFFITS (SYNTHETIC FINISH)	WALNUT T&G LRV 26
N	FLAGSTONE TREADS	CHOCOLATE BROWN LRV 21
P	CONCRETE PAVER	BELGARD DESERT LRV 22 HOLLAND SERIES
Q	ARTISTIC PAVER	LINEN GRAY LRV 21 LIMESTONE LOCK SERIES

ALL MATERIAL AND COLOR SHALL BE LESS THAN 30 LRV



ELEVATION LEGEND

SCALE: NTS



NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE
LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE
FF. = FINISH FLOOR
NG. = NATURAL GRADE

PRELIMINARY NOT FOR CONSTRUCTION

EXPIRES: 3/31/2024
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SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

ELEVATIONS

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER

A5.1



1 - STREET VIEW



2 - STREET VIEW



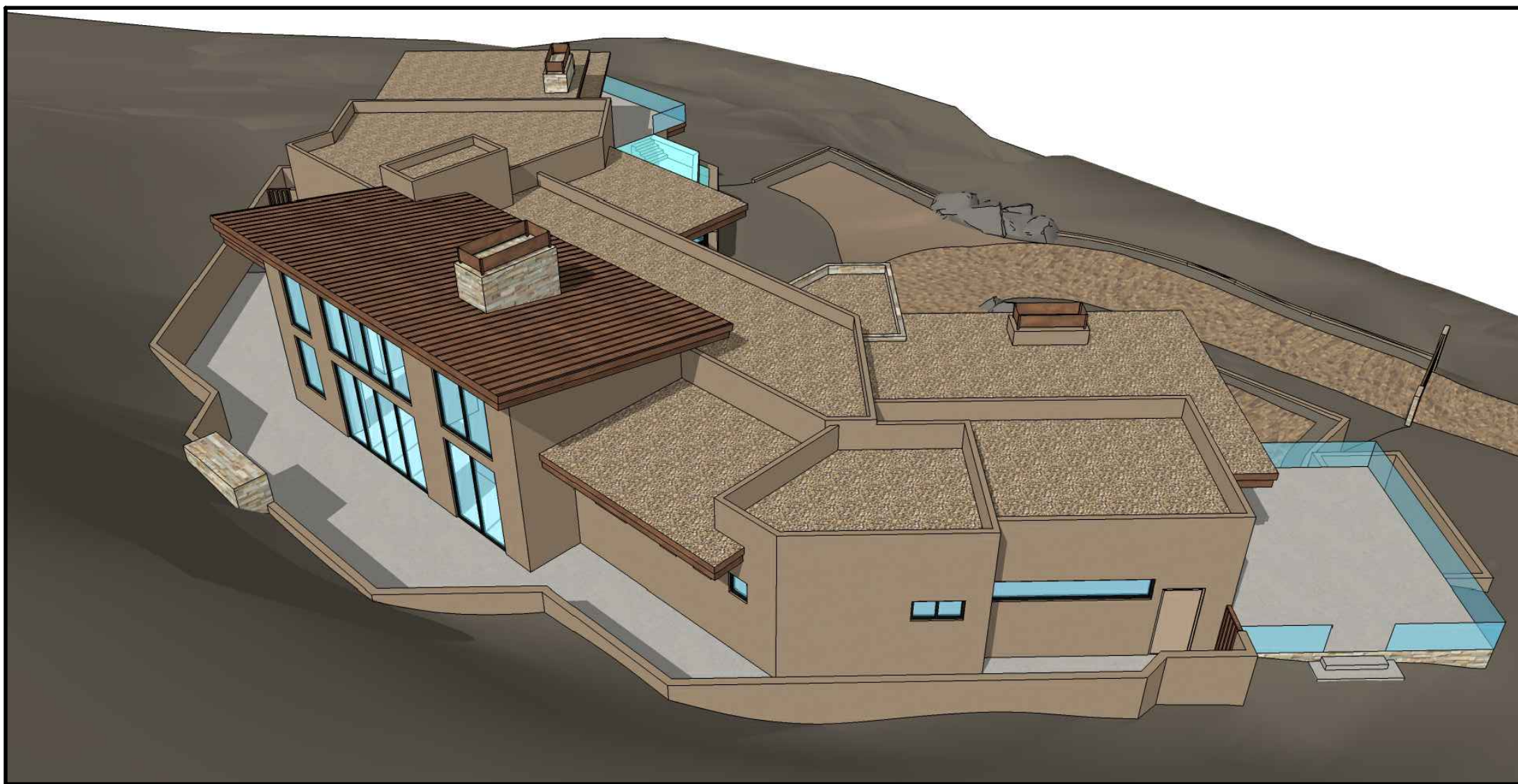
3 - SIDE VIEW



4 - FRONT VIEW



5 - SIDE VIEW



6 - REAR VIEW

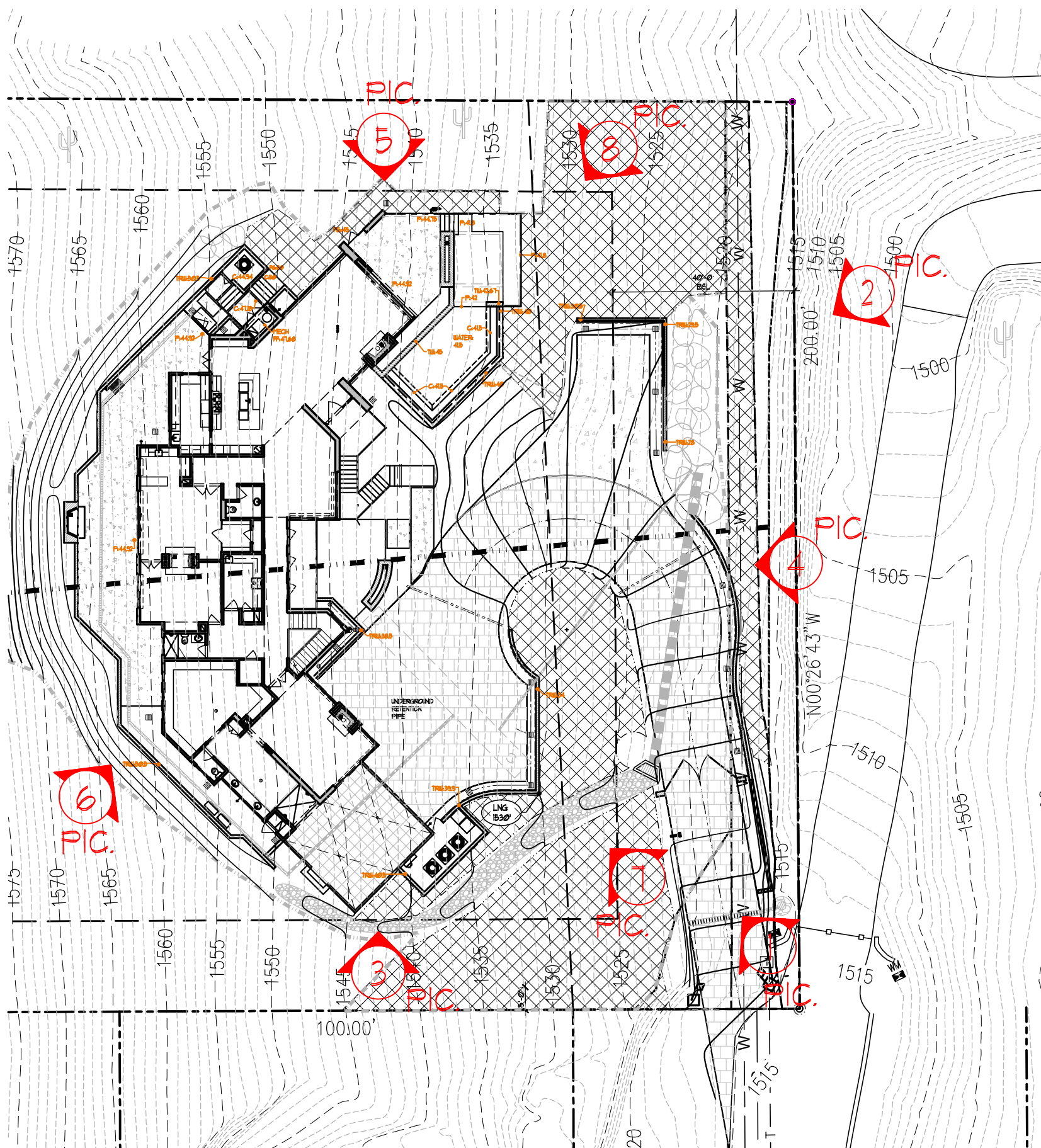


7 - AERIAL VIEW

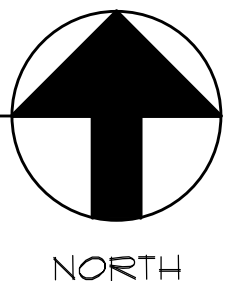


8 - AERIAL VIEW

ALL MATERIAL AND COLOR SHALL BE
LESS THAN 30 LRV



PICTURE KEY

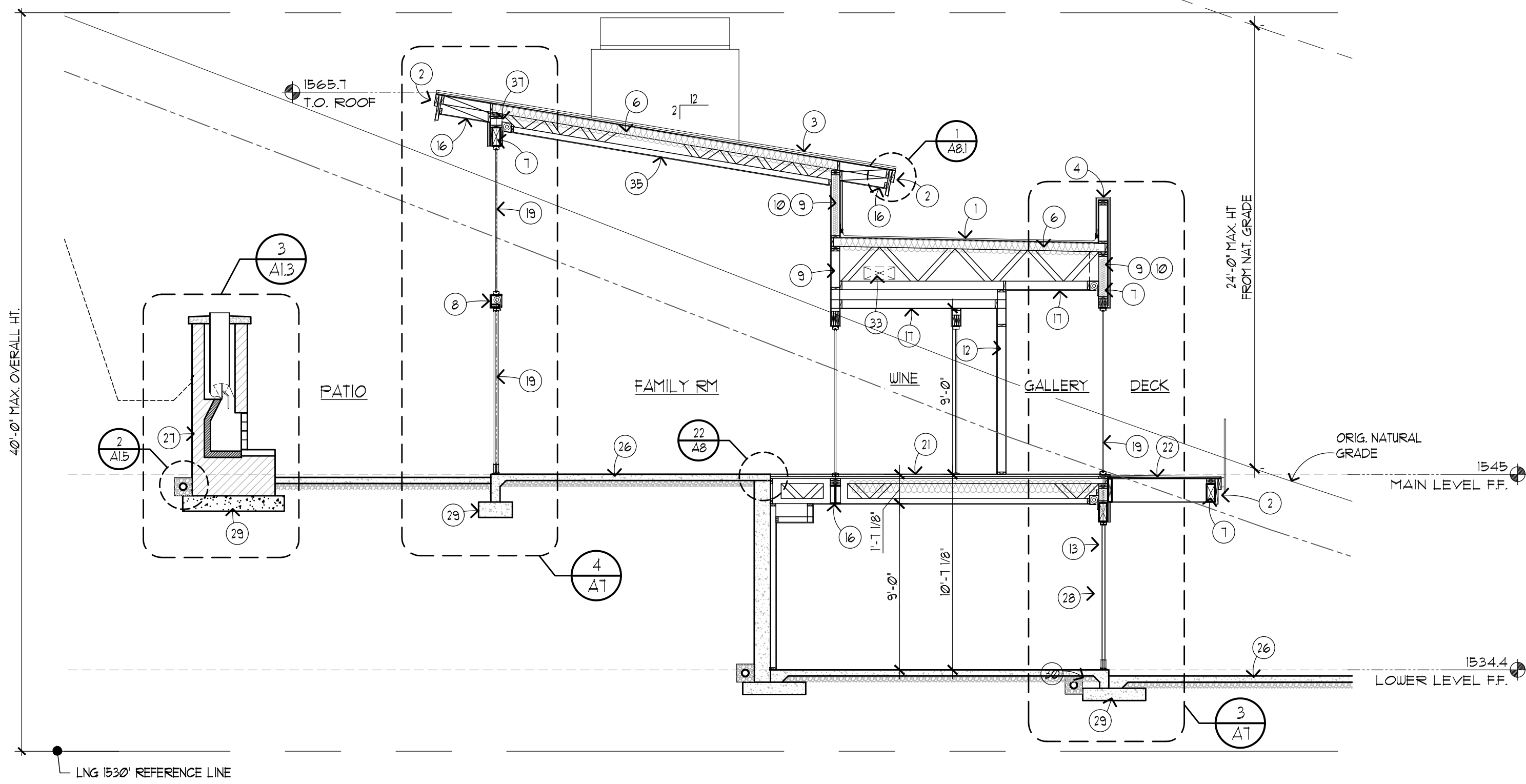


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3D IMAGES

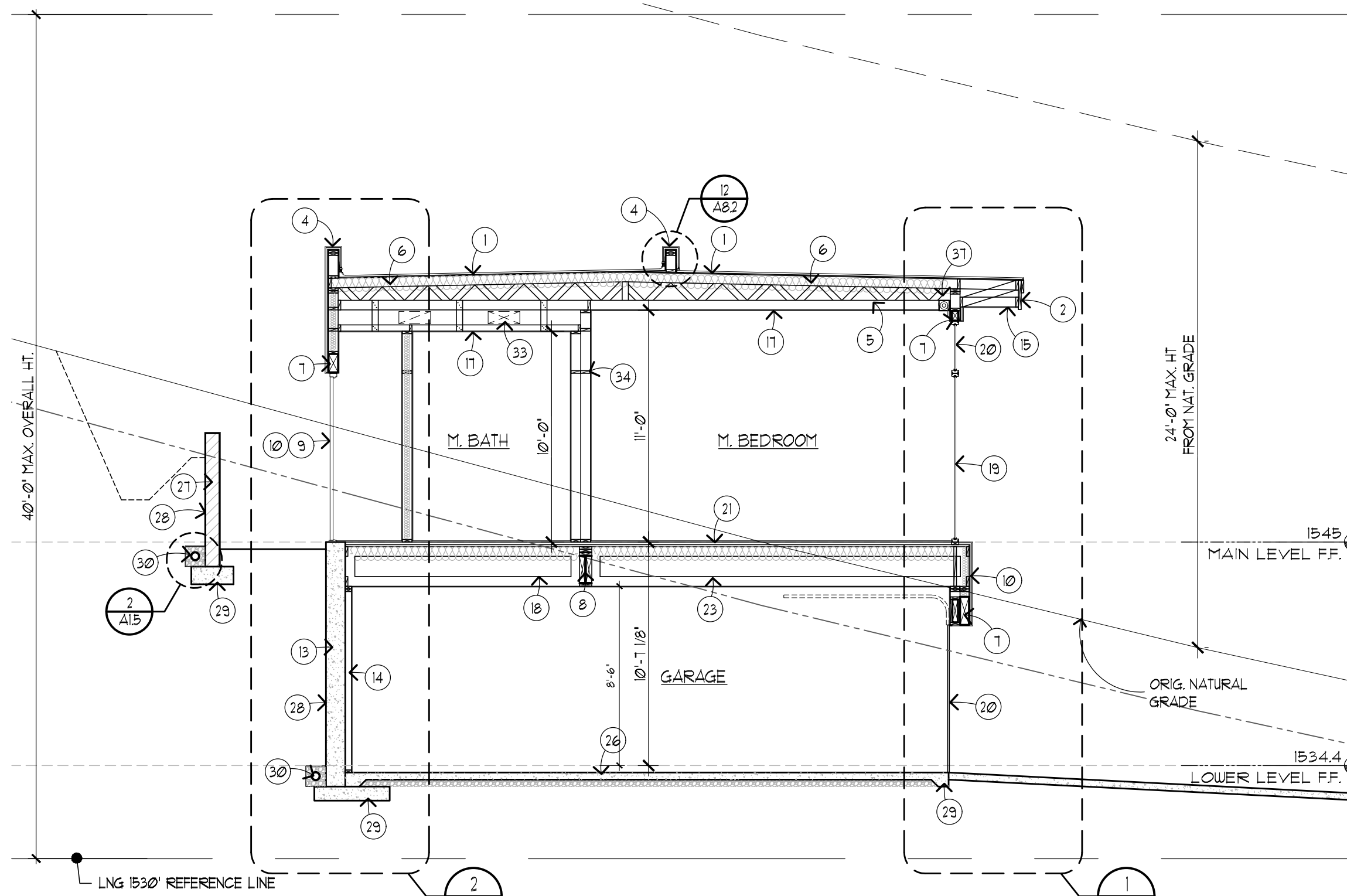
DATE: 08.19.2022
SCALE: AS NOTED
REVISION:
A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

SHEET NUMBER
A5.2



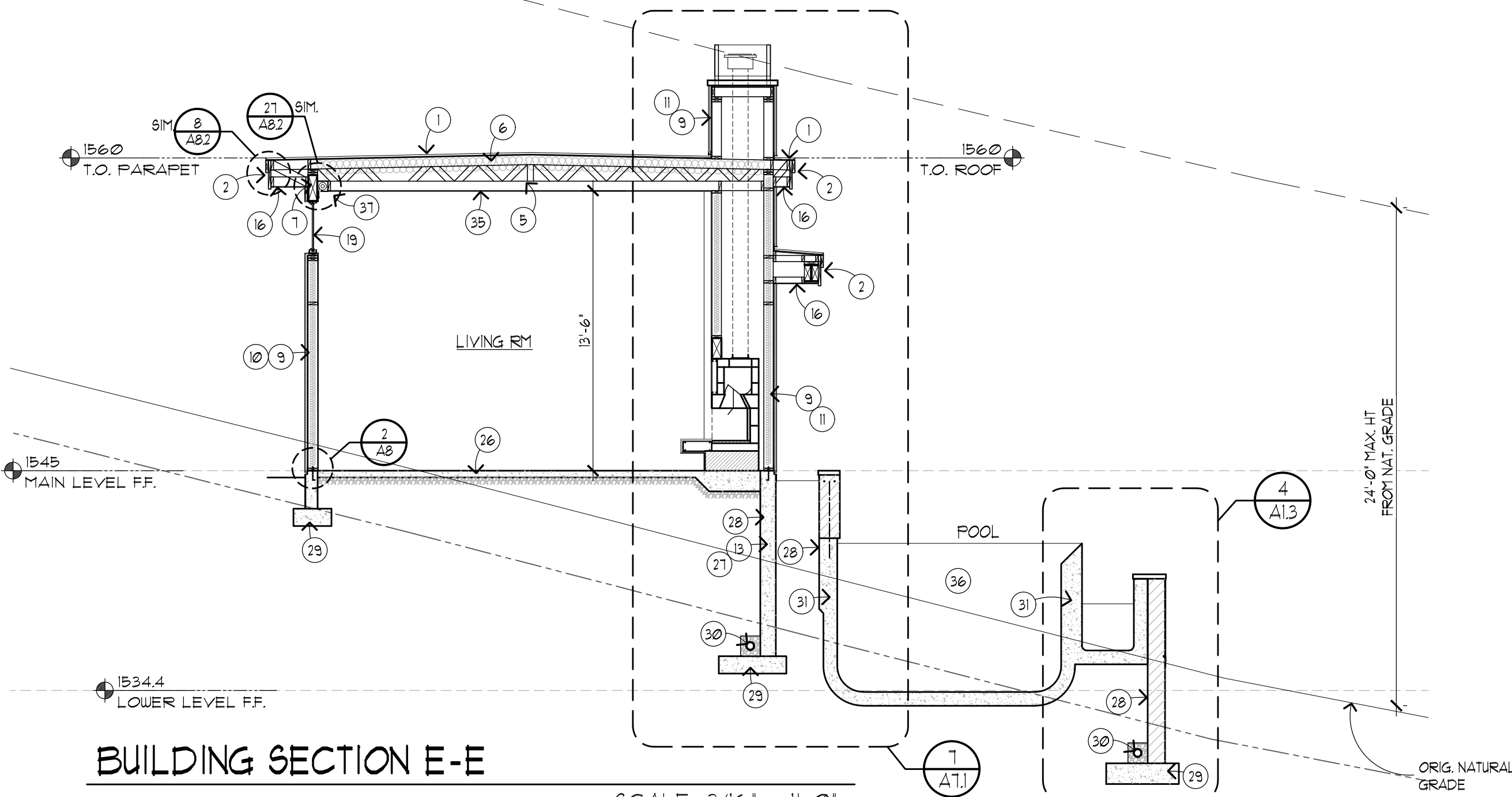
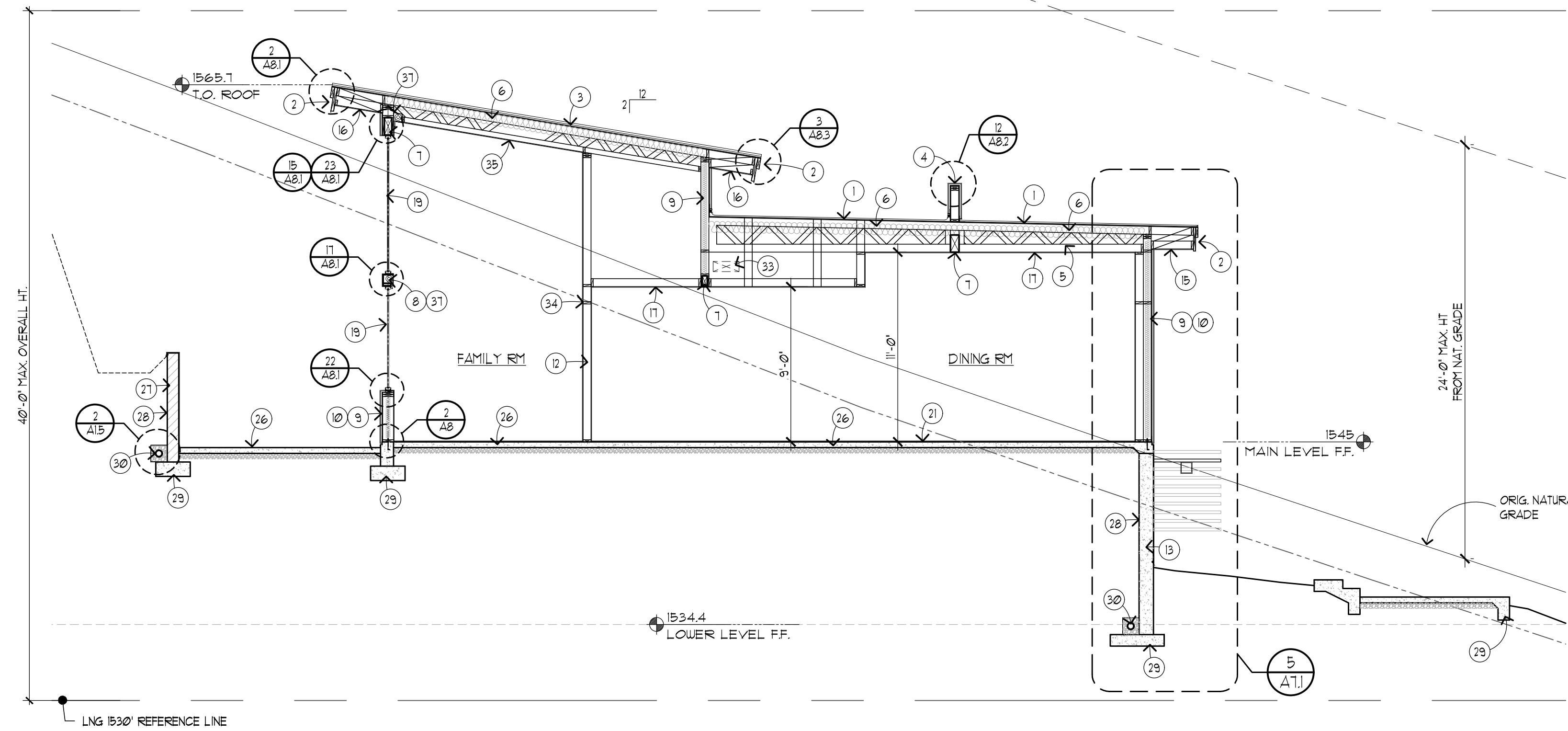
BUILDING SECTION B-B

SCALE: 3/16" = 1'-0"



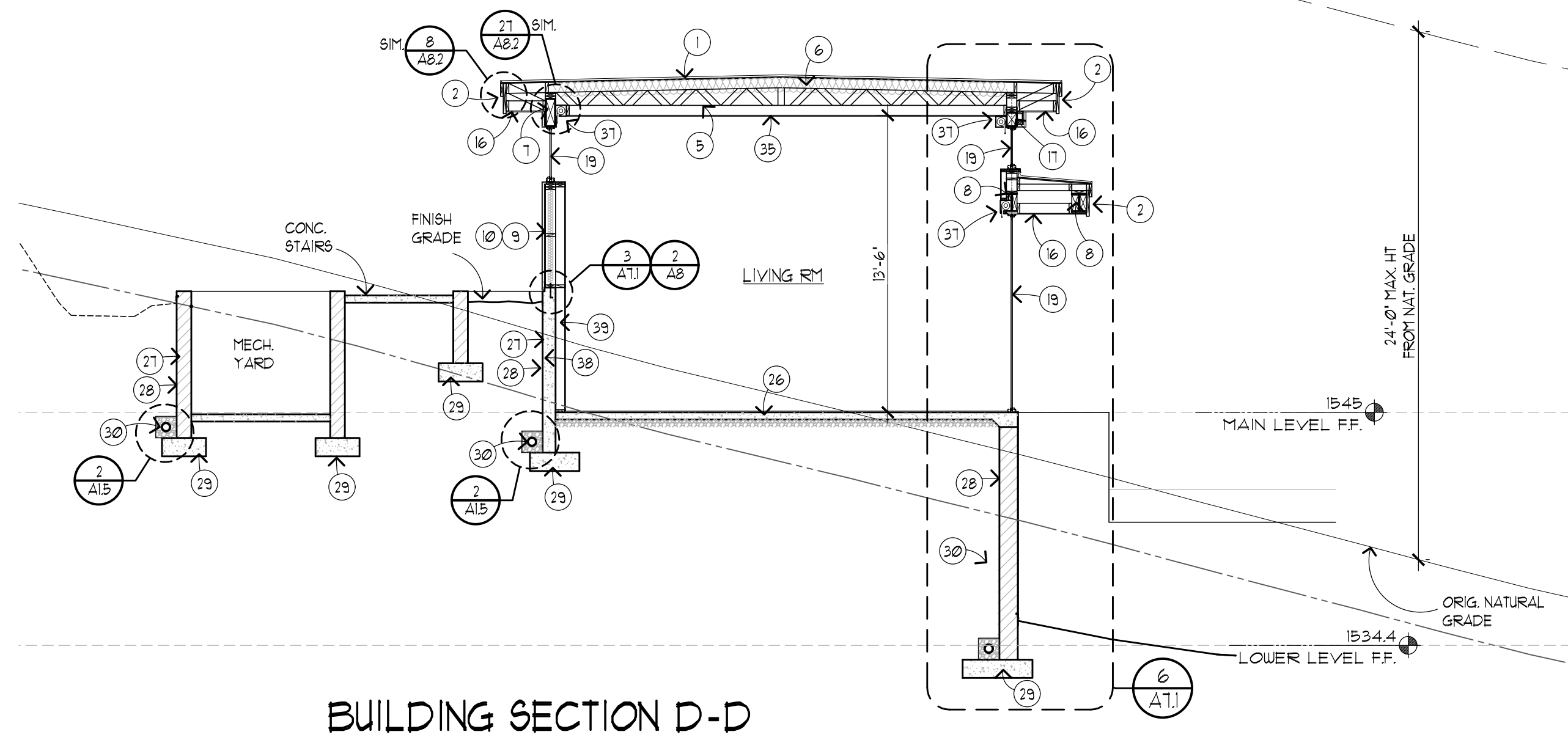
BUILDING SECTION A-A

SCALE: 3/16" = 1'-0"



BUILDING SECTION E-E

SCALE: 3/16" = 1'-0"



BUILDING SECTION D-D

SCALE: 3/16" = 1'-0"

SECTION KEYNOTES:

- 1-INCH FOAM ROOF SYSTEM PER ESR-2532 ON PLYWOOD SHEATHING OVER ROOF FRAMING. SEE STRUCTURAL
- 22-GAUGE COPPER METAL FASCIA W/ GRACE ULTRA UNDERLAYMENT W/ MIN 4" LAP ALL ENDS
- DECORATIVE COPPER ROOF SYSTEM ON GRACE ULTRA ICE 4 WATER SHIELD SELF-ADHESIVE ROOF UNDERLAYMENT PER (GO-ESR-1671)
- PARAPET WITH PAINTED METAL CAP
- PREFABRICATED WOOD TRUSSES. SEE STRUCTURAL
- CEILING INSULATION IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM 'DEMILEC' PER ESR-2668 OR APPROVED EQUAL
- WOOD BEAM. SEE STRUCTURAL
- STEEL BEAM. SEE STRUCTURAL
- EXTERIOR FRAME WALL - 2X6 FRAMING @ 16" O.C. W/ R-19 BATT INSULATION
- WESTERN ONE-KOTE STUCCO SYSTEM PER UES 382 ON 1" RIGID INSULATION ON 2 LAYERS OF #30 BUILDING PAPER ON PLYWOOD SHEATHING. SEE STRUCTURAL FOR ALL CONNECTIONS
- ADHERED DECORATIVE STONE VENEER ON FOLTER MODIFIED MORTAR PER ASTM #C1610-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #30 BUILDING PAPER OVER PLYWOOD SHEATHING ON 2X WOOD FRAME. SEE STRUCTURAL
- 2X FRAME WALL @ 16" O.C. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS W/ SOUND INSULATION WHERE INDICATED
- STRUCTURAL CONCRETE WALL. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS AND STRUCTURAL FOR REINFORCING
- 2X FURRING WHERE INDICATED. SEE STRUCTURAL FOR REINFORCING
- SYNTHETIC FINISH ON EXTERIOR DENS GLASS SHEATHING PER CORR-0311, PAINTED
- EXTERIOR SOFFITS W/ DECORATIVE WOOD. STAINED AND SEALED. MATCH INTERIOR GRAB
- SAG RESISTANT GYPSUM BOARD @ CEILING
- PROVIDE 1-HOUR SEPARATION BETWEEN RESIDENCE AND GARAGE / MECHANICAL ROOMS. 5/8" TYPE 'X' GYPSUM BOARD @ ALL WALLS & CEILING
- INSULATED ALUMINUM DOOR / WINDOW SYSTEM W/ BUTYRENE FLASHING. SEE DOOR AND WINDOW SCHEDULE
- INSULATED ALUMINUM GARAGE DOOR
- INTERIOR FLOORING - DECORATIVE TILE ON 3/4" MUDSET ON 1/8" RUBBER SOUND MATT ON 1-1/8" PLYWOOD SUBFLOOR
- WALKING DECK FLOOR - DECORATIVE PORCELAIN TILE ON 3/4" MUDSET ON RUBBER SOUND MATT ON 3 COATS 50 MIL ELASTOMERIC URETHANE WATERPROOF MEMBRANE WITH AN INTEGRATED MESH LAYER AND A SANDED FINAL COAT ON 1-1/8" PLYWOOD SUBFLOOR
- WOOD FLOOR TRUSS. SEE STRUCTURAL
- 12" HEAVY WOOLEN BATT INSULATION
- GUARDRAIL @ 36" ABOVE DECK. AS PER SECTION 1607.1.1.1. SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 1200 APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP AND HAVE ATTACHMENT DEVICES AND SUPPORTING STRUCTURE TO TRANSFER THIS LOAD TO APPROPRIATE STRUCTURAL ELEMENTS OF THE BUILDING. SEE STRUCTURAL
- 4" CONCRETE SLAB ON 4" A.B.C. FILL OVER TERMITES TREATED SOIL. SEE STRUCTURAL
- CONCRETE RETAINING WALL. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS AND STRUCTURAL FOR REINFORCING
- CONTRACTOR TO COORDINATE APPLICATION OF GRACE BUTYRENE 40000 WATERPROOF MEMBRANE SYSTEM ON PROTECTION BOARD ON DRAIN BOARD OVER APPLIED BUTYRENE. INSTALL PER MANUFACTURERS INSTRUCTIONS
- CONCRETE FOOTING. SEE STRUCTURAL
- FOUNDATION DRAIN
- POOL CONTRACTOR TO COORDINATE MIRA COAT XCL BLOCK WITH GUNITE TO OPTIMIZE WATERPROOFING
- CONTRACTOR TO COORDINATE APPLICATION OF MASTER SEAL 581 WATERPROOFING CEMENT BASE COATING ON STRUCTURAL CONCRETE WALL
- MECHANICAL DUCT. CONTRACTOR RESPONSIBLE TO COORDINATE DUCT LAYOUT W/ TRUSSES
- FIRE BLOCKING
- DECORATIVE WOOD CEILING STAINED AND SEALED. COORDINATE W/ INTERIOR DESIGNER
- POOL BY OTHERS UNDER SEPARATE PERMIT
- MOTORIZED RECESS JANNING COORDINATE WITH DOOR/WINDOW SYSTEM. COORDINATE AND VERIFY ELECTRICAL REQUIREMENTS
- RAISED STEM. SEE STRUCT.
- 2X FRAMING @ 16" O.C. ALIGN ADJACENT FINISHES

NOTES PER BLDG. CODES

- ALL ROOF CEILING INSULATION SHALL BE INSTALLED IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM 'DEMILEC' PER ESR-2668 OR APPROVED EQUAL. NO ATTIC VENTILATION SHALL BE REQUIRED IN SUCH AREAS
- AIR SEALING SHALL BE PROVIDED BETWEEN GARAGE & CONDITIONED SPACES. AS PER TABLE N102.4.1 (R402.1.1)
- THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE W/ THE REQUIREMENTS OF SECTIONS N102.4.1 THROUGH N102.4.4
- CORNERS & HEADERS SHALL BE INSULATED & THE JUNCTION @ THE FOUNDATION SILL PLATE SHALL BE SEALED. THE JUNCTION @ THE TOP PLATE & TOP OF EXTERIOR WALL SHALL BE SEALED. EXTERIOR THERMAL ENVELOPE INSULATION SHALL BE INSTALLED IN SUBSTANTIAL CONTACT & CONTINUOUS ALIGNMENT W/ THE AIR BARRIER. KNEE WALLS SHALL BE SEALED. AS PER TABLE N102.4.1 (R402.1.1)
- RIM JOISTS SHALL BE INSULATED & INCLUDE THE AIR BARRIER. AS PER TABLE N102.4.1 (R402.1.1)

NOTE:

MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE

LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE

FF. = FINISH FLOOR
N.G. = NATURAL GRADE

PRELIMINARY NOT FOR CONSTRUCTION

DAVID DICK, ARCHITECT
7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8858 FAX

EXPIRES: 3/31/2024

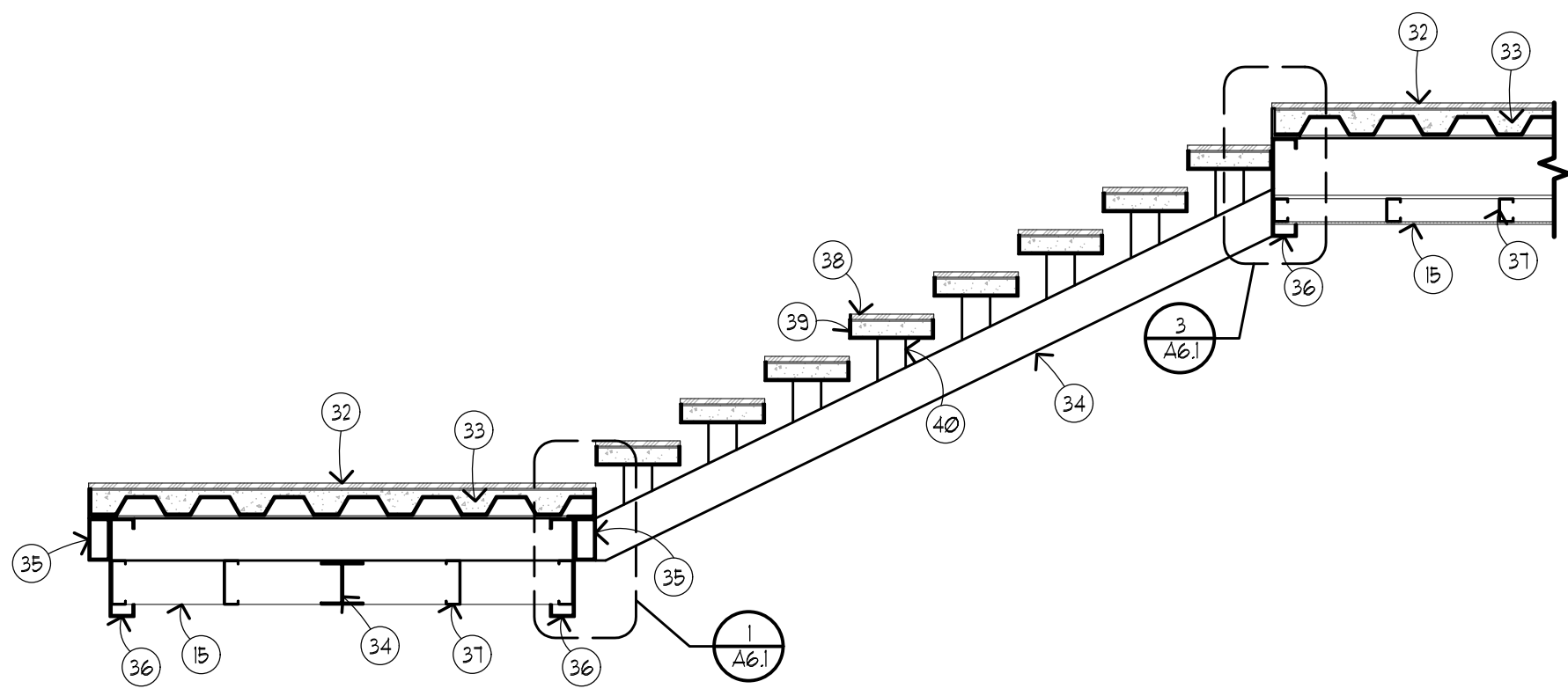
BUILDING SECTIONS

DATE: 08.19.2022
SCALE: AS NOTED
REVISION:

A CUSTOM RESIDENCE FOR:
CASKEY RESIDENCE
7602 N. MOONLIGHT LANE
PARADISE VALLEY, AZ 85253

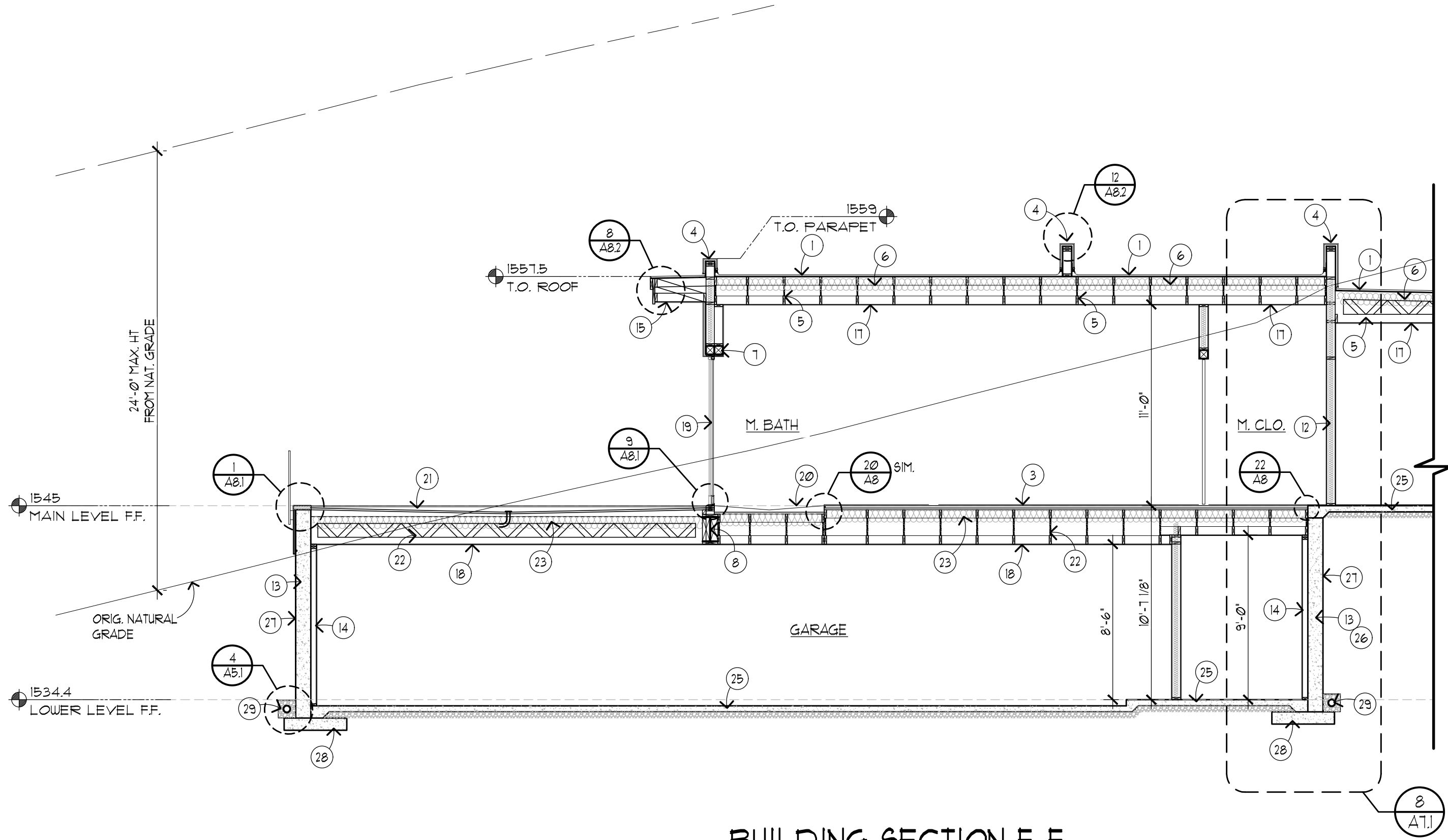
SHEET NUMBER

A6



STAIR SECTION G-G

SCALE: 1/2" = 1'-0"



BUILDING SECTION F-F

SCALE: 3/16" = 1'-0"

SECTION KEYNOTES:

1. 1-INCH FOAM ROOF SYSTEM PER ESR-2532 ON FLYWOOD SHEATHING OVER ROOF FRAMING. SEE STRUCTURAL
2. 22-GAUGE COFFER METAL FASCIA W/ GRACE ULTRA UNDERLAYMENT W/ MIN. 4" LAP ALL ENDS
3. DECORATIVE FLOOR FINISH ON 1-1/2" LIGHT WEIGHT CONCRETE ON 1/8" SOUND MATT ON 1-1/8" FLYWOOD SUBFLOOR
4. PARAPET WITH PAINTED METAL CAP
5. PREFABRICATED WOOD TRUSSES. SEE STRUCTURAL
6. CEILING INSULATION IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM 'DEMILEC' PER ESR-2668 OR APPROVED EQUAL
7. WOOD BEAM. SEE STRUCTURAL
8. STEEL BEAM. SEE STRUCTURAL
9. EXTERIOR FRAME WALL. 2X6 FRAMING @ 16" O.C. W/ R-19 BATT INSULATION
10. WESTERN ONE-KOTE STUCCO SYSTEM PER UES 382 ON 1" RIGID INSULATION ON 2 LAYERS OF #50 BUILDING PAPER ON FLYWOOD SHEATHING. SEE STRUCTURAL FOR ALL CONNECTIONS
11. ADHERED DECORATIVE STONE VENEER ON POLYMER MODIFIED MORTAR PER ASTM C1679-13 ON BROWN COAT STUCCO ON EXPANDED METAL LATH ON 2 LAYERS #50 BUILDING PAPER OVER FLYWOOD SHEATHING ON 2X WOOD FRAME. SEE STRUCTURAL
12. 2X FRAME WALL @ 16" O.C. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS W/ SOUND INSULATION WHERE INDICATED
13. STRUCTURAL CONCRETE WALL. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS AND STRUCTURAL FOR REINFORCING
14. 2X4 FURRING WHERE INDICATED. SEE STRUCTURAL FOR REINFORCING SEE STRUCTURAL
15. SYNTHETIC FINISH EXTERIOR DENS GLASS SHEATHING PER CORR-0311, PAINTED
16. EXTERIOR SOFFITS (SYNTHETIC FINISH) WALNUT T&G
17. BAG RESISTANT GYPSUM BOARD @ CEILING
18. PROVIDE 1-HOUR SEPARATION BETWEEN RESIDENCE AND GARAGE / MECHANICAL ROOMS. 5/8" TYPE 'X' GYPSUM BOARD @ ALL WALLS & CEILING
19. INSULATED ALUMINUM DOOR / WINDOW SYSTEM W/ BITUTHANE FLASHING. SEE DOOR AND WINDOW SCHEDULE
20. INTERIOR FLOORING - DECORATIVE TILE ON 3/4" MUDSET ON 1/8" RUBBER SOUND MATT ON 1-1/8" FLYWOOD SUBFLOOR
21. DECORATIVE TILE ON PREFABRICATED METAL TRAY ON 'BISON' SELF LEVELING DECK SYSTEM ON 3 COATS OF 90 MIL ELASTOMERIC URETHANE POLYMER WATERPROOF MEMBRANE WITH AN INTEGRATED MESH LAYER AND A SANDED FINAL COAT ON FLYWOOD DECK. COORDINATE POSITIVE SLOPE TO SUBDECK DRAIN
22. WOOD FLOOR TRUSS. SEE STRUCTURAL
23. 10" HEAVY WOOLEN BATT INSULATION
24. GUARDRAIL @ 36" ABOVE DECK. AS PER SECTION 1607.1.1. SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 200 LBS APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP AND HAVE ATTACHMENT DEVICES AND SUPPORTING STRUCTURE TO TRANSFER THIS LOAD TO APPROPRIATE STRUCTURAL ELEMENTS OF THE BUILDING. SEE STRUCTURAL
25. 4" CONCRETE SLAB ON 4" A.B.C. FILL OVER TERMITES TREATED SOIL. SEE STRUCTURAL
26. CONCRETE RETAINING WALL. SEE DIMENSIONAL FLOOR PLAN FOR THICKNESS AND STRUCTURAL FOR REINFORCING
27. CONTRACTOR TO COORDINATE APPLICATION OF GRACE BITUTHENE 4000 WATERPROOF MEMBRANE SYSTEM ON PROTECTION BOARD ON DRAIN BOARD OVER APPLIED BITUTHENE INSULATION PER MANUFACTURERS INSTRUCTIONS
28. CONCRETE FOOTING. SEE STRUCTURAL
29. FOUNDATION DRAIN
30. POOL. CONTRACTOR TO COORDINATE MIRA COAT XCL BLOCK WITH GRANITE TO OPTIMIZE WATERPROOFING
31. CONTRACTOR TO COORDINATE APPLICATION OF MASTER SEAL 581 WATERPROOFING CEMENT BASE COATING ON STRUCTURAL CONCRETE WALL
32. DECORATIVE TILE ON MUD BED
33. CONCRETE ON STEEL DECK. SEE STRUCTURAL
34. STEEL BEAM. SEE STRUCTURAL
35. STEEL TUBE. SEE STRUCTURAL
36. STEEL CHANNEL
37. LIGHT GAUGE METAL FRAMING @ 16" O.C.
38. DECORATIVE STONE
39. STEEL STAIR FANS
40. STRUCTURAL STEEL COLUMN POST. SEE STRUCTURAL

NOTES PER BLDG. CODES

- A. ALL ROOF CEILING INSULATION SHALL BE INSTALLED IN DIRECT CONTACT WITH ROOF DECK. PROVIDE OPEN CELL SPRAY FOAM 'DEMILEC' PER ESR-2668 OR APPROVED EQUAL. NO ATTIC VENTILATION SHALL BE REQUIRED IN SUCH AREAS
- B. AIR SEALING SHALL BE PROVIDED BETWEEN GARAGE & CONDITIONED SPACES. AS PER TABLE N102.4.1 (R402.1.1)
- C. THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE W/ THE REQUIREMENTS OF SECTIONS N102.4.1 THROUGH N102.4.4
- D. CORNERS & HEADERS SHALL BE INSULATED & THE JUNCTION OF THE FOUNDATION SILL PLATE SHALL BE SEALED. THE JUNCTION @ THE TOP PLATE & TOP OF EXTERIOR WALL SHALL BE SEALED. EXTERIOR THERMAL ENVELOPE INSULATION SHALL BE INSTALLED IN SUBSTANTIAL CONTACT & CONTIGUOUS ALIGNMENT W/ THE AIR BARRIER. KNEE WALLS SHALL BE SEALED. AS PER TABLE N102.4.1 (R402.1.1)
- E. RIM JOISTS SHALL BE INSULATED & INCLUDE THE AIR BARRIER. AS PER TABLE N102.4.1 (R402.1.1)

NOTE:
MAIN LEVEL FINISH FLOOR =
EQUALS 1545 NATURAL GRADE

LOWER LEVEL FINISH FLOOR =
EQUALS 1534.4 NATURAL GRADE

FF. = FINISH FLOOR
N.G. = NATURAL GRADE

7 DETAIL

SCALE: 1 1/2"=1'-0"

6 DETAIL

SCALE: 1 1/2"=1'-0"

5 DETAIL

SCALE: 1 1/2"=1'-0"

4 DETAIL

SCALE: 1 1/2"=1'-0"

3 DETAIL

SCALE: 1 1/2"=1'-0"

1 DETAIL

SCALE: 1 1/2"=1'-0"

PRELIMINARY NOT FOR CONSTRUCTION

DAVID DICK, ARCHITECT

7400 E. McDONALD DR., SUITE 222
SCOTTSDALE, AZ 85250
(480) 945-1898 OFFICE
(480) 945-8868 FAX

BUILDING SECTIONS

DATE: 08.19.2022

SCALE: AS NOTED

REVISION:

A CUSTOM RESIDENCE FOR:

CASKEY RESIDENCE

7602 N. MOONLIGHT LANE

PARADISE VALLEY, AZ 85253

SHEET NUMBER

A6.1

- CASKEY RESIDENCE -

- 7602 N. Moonlight Lane, Paradise Valley, AZ 85253 -
- Landscape Construction Documents -

GENERAL NOTES:

- THESE CONSTRUCTION DOCUMENTS, INCLUDING ALL PLANS, NOTES, DETAILS, AND SPECIFICATIONS ARE INTENDED TO FACILITATE THE INSTALLATION CONTRACTOR BY PROVIDING GENERAL GUIDELINES FOR DESIGN INTENT. IT IS THE GOAL OF THE DOCUMENTS THAT THE WORK IS TO BE COMPLETED WITHOUT CHANGE ORDERS. ALL QUANTITIES SHOWN IN THE DOCUMENTS ARE ESTIMATES ONLY AND ARE NOT GUARANTEED; THE CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR AND EQUIPMENT IN ORDER TO FULFILL THE INTENT OF THE DESIGN DRAWINGS.
- INTERPRETATION OF THE PLANS AND SPECIFICATIONS SHALL BE MADE BY THE "AUTHOR" OR "ARCHITECT/ENGINEER-OF-RECORD" OF THE RESPECTIVE DOCUMENT AND SHALL BE CONSIDERED FINAL. ANY POSSIBLE AMBIGUITY SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR PRIOR TO SUBMITTING FORMAL BIDS. ALL CLARIFICATIONS SHALL BE PREPARED IN WRITING BY THE "ARCHITECT/ENGINEER-OF-RECORD" PRIOR TO BIDDING. THE CONTRACTOR SHALL ACCEPT THE INTERPRETATION OF THE "ARCHITECT/ENGINEER-OF-RECORD" AS THE CORRECT AND FINAL INTERPRETATION.
- ANY INCIDENTAL INSTALLATION PROCEDURE, MATERIAL OR EQUIPMENT, NOT MENTIONED IN THESE CONSTRUCTION DOCUMENTS, THE SPECIFICATIONS NOR SHOWN ON THE PLANS, WHICH MAY BE NECESSARY FOR COMPLETION AND SATISFACTORY OPERATION OF THE DESIGN SYSTEM SHALL BE FURNISHED AND INSTALLED (AS BASED ON INDUSTRY STANDARDS) AS THOUGH SHOWN OR PROVIDED FOR.
- EXISTING CONDITIONS AND BASE INFORMATION ARE BASED ON PLANS PREPARED BY THE ARCHITECT.
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATIONS OF EXISTING AND FUTURE UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK TO BE DONE. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY SHOULD A CONFLICT ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND SHALL NOTIFY ALL UTILITY COMPANIES WITH UTILITIES ON SITE PRIOR TO THE CONSTRUCTION OF THE PROJECT.
- FOR UNDERGROUND UTILITY COORDINATION AND 48 HOURS PRIOR TO START OF CONSTRUCTION (DEPENDING ON AREA OR JURISDICTION), THE CONTRACTOR SHALL CONTACT:
A) BLUE STAKE (ARIZONA) 1-800-782-5348
B) UNDERGROUND SERVICES ALERT (USA) 1-800-227-2600
- THESE NOTES ARE TO BE USED FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, APPROVED ADDENDUMS, AND THE CHANGE ORDERS AS ASSOCIATED WITH THESE CONSTRUCTION DOCUMENTS.
- SHOULD THE CONTRACTOR HAVE ANY QUESTIONS REGARDING THESE CONSTRUCTION DOCUMENTS OR SHOULD THERE BE ANY DISCREPANCIES, HE SHALL CONTACT THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BEGINNING WORK.
- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND PER GOVERNING CODES AND/OR ORDINANCES.
- THE CONTRACTOR SHALL PROVIDE BARRICADES AND TRAFFIC CONTROL ALONG PUBLIC STREETS, IF REQUIRED, DURING INSTALLATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT TO THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS PRIOR TO THE START OF WORK.
- BEFORE WORK BEGINS ON THE PROJECT, THE CONTRACTOR SHALL REVIEW THE PROJECT WITH THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE SHALL APPROVE ANY OR ALL CHANGES PRIOR TO THE START OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND COORDINATING EXISTING SITE CONDITIONS.
- THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE LOCAL, STATE, AND/OR FEDERAL LAWS AND/OR REGULATIONS PERTAINING TO THE PROJECT.
- THE CONTRACTOR SHALL PROPERLY COORDINATE HIS WORK WITH OTHER CONTRACTOR'S WORK PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT EXISTING IMPROVEMENTS AND THE PUBLIC FROM DAMAGE THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES IMPOSED, UNINTENTIONALLY OR ACCIDENTALLY TO EXISTING UTILITIES, STRUCTURES, WALLS, OR OTHER AMENITIES, DUE TO THE ACTION OF THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES OR THE CONTRACTOR'S SUBCONTRACTORS. DAMAGE OCCURRED DURING THE CONTRACTOR'S OPERATION SHALL BE REPAIRED, AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
- MATCH GRADES, LAYOUT AND ELEVATIONS OF ADJOINING LANDSCAPE WORK BY OTHERS. NOTIFY THE LANDSCAPE ARCHITECT OF CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

PLANTING GENERAL NOTES:

- THE CONTRACTOR SHALL REVIEW PLANTING PLAN WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- THE LANDSCAPE ARCHITECT OR HIS REPRESENTATIVE RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIALS HE DEEMS UNACCEPTABLE. SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL PLANT MATERIAL AS SPECIFIED ON THE PLANTING PLANS, HOWEVER, SHOULD THE PLANT MATERIAL BE TEMPORARILY UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND INSTALL 5 GALLON NURSERY BUCKETS WITH IRRIGATION AT EACH PLANT LOCATION, AS THE PLANT MATERIAL BECOMES AVAILABLE, THE 5 GALLON BUCKETS SHALL BE REMOVED AND PLANT MATERIAL INSTALLED.
- ANY AND ALL SUBSTITUTIONS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
- LOCATE PLANTS AWAY FROM SPRINKLER HEADS, LIGHT FIXTURES AND OTHER OBSTRUCTIONS.
- FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
- PLANTING AND IRRIGATION DESIGN MAY BE MODIFIED TO ADAPT TO WALK CONFIGURATIONS THAT DIFFER FROM THESE PLANS, OR BECAUSE OF GRADE LIMITATIONS ON SITE.
- WATER TEST ALL TREE PLANTING HOLES PRIOR TO PLANTING. IF TREE HOLE DOES NOT DRAIN, DO NOT PLANT. SEE HARDPAN DETAIL.
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON DRAWINGS.
- TREES SHALL BE PLANTED A MINIMUM OF 10'-0" FROM STREET LIGHTS / FIRE HYDRANTS, 6'-0" FROM EDGE OF UNDERGROUND PIPELINES AND A MINIMUM OF 4'-0" FROM WALKS, CURBS AND WALLS. SHRUBS SHALL BE PLANTED A MINIMUM OF 2'-0" FROM CURB AND WALKS.
- ALL SPECIMEN TREES, SHRUBS AND CACTI SHALL BE FIELD LOCATED BY LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL INSTALL "SHAWTOWN ROOT BARRIER PANELS" (OR APPROVED EQUAL) AT ALL TREES WITHIN 7'-0" FEET OF HARDSCAPE ELEMENTS INCLUDING (BUT NOT LIMITED TO) SIDEWALKS, ASPHALT, CONCRETE SLABS / FOOTINGS, AND STRUCTURES. CONTRACTOR SHALL SUBMIT SPECIFICAN SHEETS OF PROPOSED ROOT BARRIER PANELS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL INSTALL ARBOR GUARDS AT ALL TREES LOCATED IN TURF AREAS.
- ON-SITE AND OFF-SITE TOPSOIL SHALL CONFORM TO CONTENT REQUIREMENTS AS SPECIFIED IN PART 2 OF THE PLANTING SPECIFICATIONS. AGRICULTURAL TEST SUBMITTALS ARE REQUIRED FOR ALL MATERIAL USED FOR TOPSOIL AND BACKFILL. SUBMIT REPORT TO LANDSCAPE ARCHITECT FOR REVIEW.
- ALL PLANT MATERIAL SHALL BE IN COMPLIANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION.
- THE CONTRACTOR SHALL PROVIDE MAINTENANCE FOR ALL ALL PLANT MATERIAL FROM THE TIME OF INSTALLATION THROUGH SUBSTANTIAL COMPLETION.
- CACTI SHALL BE PLANTED A MINIMUM OF 3'-0" AWAY FROM ALL PEDESTRIAN ROUTES.
- CACTI SHALL BE WELL ROOTED AND NON-SCARRED.
- PLANT MATERIAL MARKED 'SALVAGE' SHALL BE SELECTED FROM ON-SITE SALVAGE INVENTORY. ALL MATERIAL SELECTIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE.
- IN DISTURBED AREAS INDICATED TO RECEIVE REVEGETATION HYDROSEED AND/OR PLANTING, THE CONTRACTOR SHALL MATCH EXISTING NATURAL DESERT STONE GROUND COVER CONDITIONS ADJACENT TO THE PROJECT.
- NATIVE REVEGETATION AREAS AND PLANTER BEDS SHALL BE TREATED WITH PRE-EMERGENT AS PER MANUFACTURER'S INSTRUCTIONS, RE-APPLY AS NECESSARY TO ELIMINATE INVASIVE WEEDS, REMOVE ALL DEAD DEBRIS.
- THE CONTRACTOR SHALL PROVIDE A 50'-0" BY 50'-0" TYPICAL MOCK-UP OF NATIVE REVEGETATION AREAS FOR REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.
- ALL TREE STAKING SHALL CONFORM TO THE PLANTING DETAILS OR AS NOTED IN THE SPECIFICATIONS. THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE SHALL REVIEW TYPICAL TREE STAKING PRIOR TO FINAL ACCEPTANCE.

INERT GENERAL NOTES:

ANGULAR GRANITE RIP-RAP

- INSTALL GRANITE RIP-RAP IN ALL DRAINAGE SWALES, AND WHERE INDICATED ON PLANS (TYPICAL). REFER TO MATERIALS SCHEDULE / PLANTING LEGEND FOR COLOR AND SIZE OF GRANITE RIP-RAP.
- THE CONTRACTOR SHALL SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION.

DECOMPOSED GRANITE

- DECOMPOSED GRANITE IS REQUIRED IN ALL PLANTING AREAS, EXCEPT AREAS OF TURF AND GRANITE RIP-RAP, AND SHALL EXTEND UNDER PLANT MATERIAL UNLESS NOTED OTHERWISE ON PLANS. REFER TO MATERIALS SCHEDULE / PLANTING LEGEND.
- ALL PLANTING AREAS SHALL RECEIVE A 2" MINIMUM LAYER OF DECOMPOSED GRANITE, THROUGHOUT (TYPICAL).
- CONTRACTOR SHALL SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

IRRIGATION GENERAL NOTES:

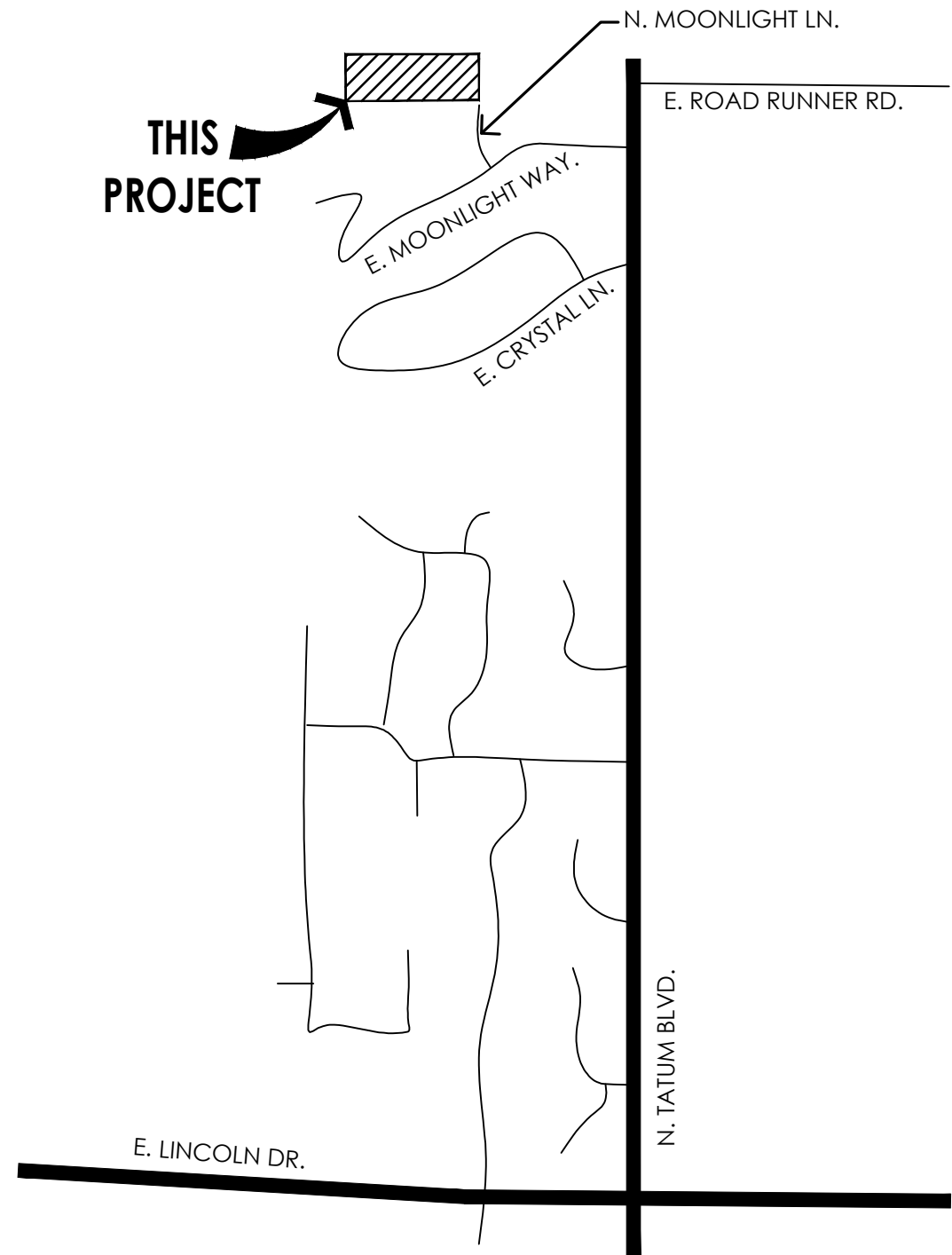
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULL IRRIGATION COVERAGE OF ALL PLANT MATERIAL.
- THE LANDSCAPE CONTRACTOR SHALL SUBMIT FULL PIPING PLANS, AFTER FIELD VERIFICATION, DEPICTING POINT OF CONNECTION, METER LOCATION AND SIZE, BACKFLOW PREVENTER LOCATION AND SIZE, AND PIPE ROUTING AND SIZES.
- THE LANDSCAPE CONTRACTOR SHALL INSTALL THE SPECIFIED SYSTEM IN ACCORDANCE WITH THE ATTACHED SCHEDULES, NOTES, DETAILS, AND SPECIFICATIONS.
- THE LANDSCAPE CONTRACTOR TO SITE VERIFY PRESSURE AND NOTIFY LANDSCAPE ARCHITECT OF ANY DIFFERENCES PRIOR TO INSTALLATION OR ORDERING OF MATERIALS. IF CONTRACTOR FAILS TO NOTIFY LANDSCAPE ARCHITECT, HE IS FINANCIALLY RESPONSIBLE FOR ANY NECESSARY SYSTEM ALTERATIONS THAT RESULT.
- THE LANDSCAPE CONTRACTOR SHALL FIELD VERIFY EXISTING TAP LOCATIONS. INSTALL NEW METERS PER THE ATTACHED IRRIGATION TAP NOTE.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF ASPHALT AND CONCRETE AS REQUIRED FOR SLEEVE INSTALLATION ACCORDING TO THE IRRIGATION SCHEDULE.
- CONTROLLER TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS. CONTROLLER SIZE AND QUANTITIES TO BE DETERMINED BY THE VALVE REQUIREMENTS AND POINTS OF CONNECTION. INSTALL ONE (1) CONTROLLER AT EACH POINT OF CONNECTION.
- INSTALL PVC MAINLINE AND LATERALS ACCORDING TO THE IRRIGATION AND PIPING SCHEDULES.
- ALL VALVE FLOWS SHALL NOT EXCEED MANUFACTURER'S SPECIFICATIONS.
- VALVE BOXES SHALL BE SQUARE TO ADJACENT WALKS OR CURBS AND FLUSH WITH THE FINAL GRADE.
- WORK SHALL CONFORM TO ALL CONSTRUCTION CODES AND REGULATIONS.
- THE LANDSCAPE CONTRACTOR SHALL INSTALL GREEN VALVE BOXES IN TURF AREAS AND TAN VALVE BOXES IN DECOMPOSED GRANITE AREAS (TYPICAL).
- REFER TO THE IRRIGATION NOTES FOR THE CALCULATED PRESSURE AT THE WATER METER. REFER TO NOTE #4 IF PRESSURE DIFFERS FROM THAT NOTED.
- THE LANDSCAPE CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING ON PROJECT TO VERIFY INSTALLATION CONDITIONS.
- PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL CONTACT BLUE STAKE TO VERIFY LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY HIS WORK, AND HE SHALL BE RESPONSIBLE FOR DAMAGES TO SUCH UTILITIES CAUSED AS A RESULT OF HIS IRRIGATION INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING THE OWNER AND/OR THE OWNER'S REPRESENTATIVE FOR ANY DESIGN CHANGES MADE AS A RESULT OF DEVIATION BY THE CONTRACTOR FROM THE PLANS AND SPECIFICATIONS OR DUE TO ERRORS, FAULTY MATERIAL OR FAULTY WORK.
- INSTALL ALL MAINLINES WITH A MINIMUM OF 20" OF COVER.
- INSTALL ALL LATERALS WITH A MINIMUM OF 12" OF COVER.
- ALL PIPE TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND ASTM STANDARD D 2774.
- ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. USE LIQUID TEFLON ON METAL PIPE THREADS ONLY.
- FLUSHING OF ALL LINES PRIOR TO INSTALLATION OF SPRINKLERS AND EMITTERS IS REQUIRED.
- INSTALL ALL SPRINKLERS, EMITTERS, AND RELATED MATERIAL PER IRRIGATION SYSTEM SPECIFICATIONS AND DETAILS.
- INSTALL ALL ELECTRICAL JOINTS WITH 3-M WATERPROOF CONNECTORS.
- ALL ELECTRICAL CONNECTIONS SHALL BE MADE AT THE REMOTE CONTROL VALVE BOXES, CONTROLLER ENCLOSURES AND VALVE BOXES SPECIFICALLY FOR ELECTRICAL CONNECTIONS.
- A CERTIFIED ELECTRICIAN SHALL BE RESPONSIBLE FOR INSTALLING ALL WIRING FROM THE CIRCUIT BREAKER AT THE 120 VOLT SOURCE LOCATION TO AUTOMATIC CONTROLLER.
- ALL 120 VOLT VOLT POWER WIRE TO BE INSTALLED PER LOCAL CODE AND THE N.E.C.
- INSTALL ALL VALVE WIRING IN MAINLINE TRENCH AS DETAILED.
- INSTALL ALL REMOTE CONTROL VALVES AT HEIGHT INDICATED ON DETAILS, AS HIGH AS POSSIBLE BUT ALLOWING CLEARANCE BETWEEN VALVE BOX LID AND FLOW CONTROL HANDLE ON REMOTE CONTROL VALVE.
- INSTALL ALL MAINLINE GATE VALVES IN A ROUND PLASTIC VALVE BOX PER DETAILS.
- ALL PVC SOLVENT WELD FITTINGS SHALL BE LASCO OR APPROVED EQUAL.
- THE MAINLINE, LATERAL PIPE, AND VALVES ARE SHOWN SCHEMATICALLY AND SHALL BE INSTALLED WITHIN THE LANDSCAPE AREA, OUTSIDE R.O.W. AND P.U.E., ADJACENT TO SIDEWALK OR CURB AND OFFSET 18" WHEREVER POSSIBLE.
- SUPPLY THE FOLLOWINGS MATERIAL TO THE OWNER:
A) TWO WRENCHES FOR DISASSEMBLY AND ADJUSTING OF EACH TYPE OF SPRINKLER HEAD AND VALVE SUPPLIED.
B) TWO KEYS FOR EACH OF THE CONTROLLERS.
C) TWO COUPLERS WITH MATCHING HOSE BIBS AND SHUT-OFF VALVE.
D) TWO VALVE BOX KEYS.
- ALL MAINLINE FITTINGS FOR PIPE 3" AND LARGER SHALL BE CAST OR DUCTILE IRON FOR PVC; SCHEDULE 80 PVC FOR 2 1/2" AND SMALLER.
- ALL MAINLINE PIPE SHALL BE A MINIMUM OF SCHEDULE 40.
- SLEEVES SHALL BE A MINIMUM OF TWO TIMES THE DIAMETER OF THE LINE SIZE.
- ALL MAINLINE AND IRRIGATION EQUIPMENT SHALL BE PLACED IN THE LANDSCAPED AREAS.
- CONTROLLER WIRES THAT ARE DIRECT BURIED SHALL BE #14 OR BETTER, BUNDLED OR WRAPPED A MINIMUM OF EVERY TWELVE (12) FEET. DURING INSTALLATION WIRES SHALL HAVE A 24" LOOP TIED IN, ALL DIRECTION CHANGES GREATER THAN 30 DEGREES AND BE UNITED PRIOR TO TRENCH FILL IN.
- DRIIP SYSTEM FLUSH CAPS SHALL BE PLACED IN A VALVE BOX AT THE END OF ALL DRIP LATERAL RUNS, AS DESCRIBED ON THE DRAWINGS.
- ALL VALVES, PRESSURE REGULATORS AND OTHER DEVICES SHALL BE PLACED IN AN APPROPRIATELY SIZED VALVE BOX WITH A MINIMUM OF TWO (2) INCHES OF PEA GRAVEL.
- PRIOR TO PLACING ANY IRRIGATION SYSTEM IN SERVICE, AN ARIZONA CERTIFIED BACKFLOW DEVICE TESTER SHALL TEST THE BACKFLOW PREVENTION DEVICE AND GIVE A COPY OF THE PASSED TEST RESULTS TO THE MARICOPA COUNTY INSPECTOR OR MAIL IT TO THE MARICOPA COUNTY DEPARTMENT OF PUBLIC WORKS INSPECTION STATION.
- AFTER INITIAL TESTING, ALL BACKFLOW DEVICES SHALL BE TESTED ANNUALLY.
- BACKFLOW DEVICES SHALL BE A MINIMUM OF TWO (2) FEET FROM THE WATER METER AND BE THE SAME SIZE AS THE METER SERVICE LINE.
- ALL BACKFLOW PREVENTION DEVICES SHALL HAVE A MINIMUM 24"x36"x4" CLASS B CONCRETE SLAB WITH PIPE SLEEVES. IF A SECURITY CAGE IS INSTALLED, CONCRETE SHALL BE SIX (6") INCHES LARGER ON ALL SIDES THAN THE SECURITY CAGE.
- ALL PIPE CROSSINGS IN THE RIGHT-OF-WAY SHALL BE MARKED ON EACH SIDE OF THE CURB WITH A NON-DESTRUCTIBLE MARKINGS.

GRADING GENERAL NOTES:

- CONTRACTOR SHALL GRADE TO MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES. REVIEW ENGINEER'S PLAN FOR DRAINAGE REQUIREMENTS.
- FINISH GRADING SHALL BE BY THE DIRECTION OF THE LANDSCAPE ARCHITECT.
- LANDSCAPE ARCHITECT SHALL APPROVE GRADING PRIOR TO PLANTING.
- GRADING FOR THIS PROJECT INCLUDES THE FOLLOWING:
A) FINE GRADING OF EXISTING ROUGH GRADES IS REQUIRED TO PROVIDE SMOOTH, EVEN GRADE TRANSITION IN LANDSCAPE AREA.
B) IMPORTING AND PLACING "OFF-SITE 3/8" MINUS TOPSOIL" IN THE FOLLOWING AREAS:
i) TURF, AND ANNUAL AREAS (6" DEPTH).
ii) PLANT BACKFILL (CAN BE SCREENED ON-SITE SOIL).
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY CALICHE ENCOUNTERED ON SITE AT NO ADDITIONAL COST TO THE OWNER. THE OWNER AND CONTRACTOR SHALL COORDINATE A SUITABLE LOCATION ON SITE TO DISPOSE OF THE CALICHE MATERIAL. SHOULD A SUITABLE LOCATION ON SITE NOT EXIST, THE OWNER SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF THE CALICHE.
- FINISH GRADE OF ALL PLANTING AREAS IS TO BE 1.5" BELOW ADJACENT PAVING UNLESS NOTED OTHERWISE.
- REFERENCE CIVIL ENGINEERING DRAWINGS FOR GRADING AND DRAINAGE FLOWS. THE CONTRACTOR SHALL BE RESPONSIBLE THAT THESE ARE PROVIDED FOR AND NOT IMPAIRED WITH OBSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR GRADING ALL AREAS AT THE DIRECTION OF THE LANDSCAPE ARCHITECT TO CREATE A NATURALLY UNDULATING GROUND PLANE.

VICINITY MAP:

SCALE: NTS



HARDSCAPE GENERAL NOTES:

- FOOTINGS, WALLS AND FENCES SHALL BE PLACED OUTSIDE OF THE PUBLIC RIGHT-OF-WAY.
- REFER TO CIVIL PLANS PREPARED BY CIVIL ENGINEERS FOR ALL INFORMATION REGARDING HORIZONTAL AND VERTICAL CONTROLS.
- ALL DETAILS SHALL BE REVIEWED BY A STRUCTURAL ENGINEER AND MODIFIED (IF NECESSARY) PRIOR TO CONSTRUCTION.
- ALL DIMENSIONS SHOWN ON THIS PLAN ARE BASED ON THE CIVIL PLAN SUBMITTED BY THE ARCHITECT. SHOULD DISCREPANCIES OCCUR, FIELD REVISIONS SHALL BE REQUIRED.
- THE CONTRACTOR SHALL HAVE SIDEWALK SURVEYED AND STAKED FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- IN ADDITION TO SUBMITTING MATERIAL SAMPLES OF ALL SITE RELATED MATERIALS, THE CONTRACTOR SHALL PREPARE A 4'X4' SAMPLE PANEL FOR EACH TYPE OF CONSTRUCTION, I.E., A) CONCRETE PAVERS, B) EXPOSED AGGREGATE PAVING, C) INTEGRAL COLORED CONCRETE, ETC., FOR APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO FINAL CONSTRUCTION.
- UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS OR NOTED IN DETAILS, SIDEWALKS SHALL BE 5'-0" WIDE, 4" THICK, 3,000 PSI CONCRETE ON COMPACTED BASE WITH CONSTRUCTION JOINTS AT 5'-0" ON CENTER AND EXPANSION JOINTS AT 20'-0" ON CENTER. SIDEWALKS SHALL HAVE A MEDIUM BROOM, NON-SKID FINISH WITH 1/2" RADIUS TOOLED EDGES.
- RADIUS AT SIDEWALK INTERSECTIONS SHALL BE 5'-0" (TYPICAL), UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL LAYOUT AND VERIFY ALL HARDSCAPE ELEMENTS PRIOR TO CONSTRUCTION FOR REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE. SHOULD DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE BEFORE PROCEEDING FURTHER.

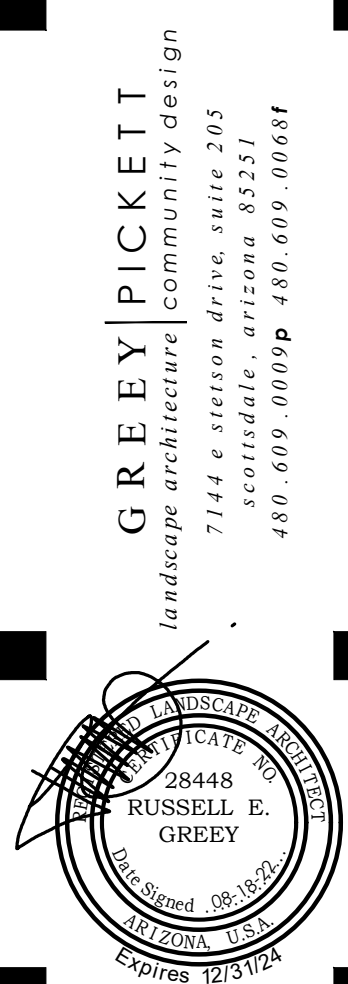
SHEET INDEX:

COVER SHEET	L0.0
NATIVE PLANT INVENTORY	L2.0
REVEGETATION PLAN	L3.0
IRRIGATION PLAN	L4.1
LIGHTING PLAN	L5.1
PLANTING DETAILS	L7.1
IRRIGATION DETAILS	L7.2
IRRIGATION SPECIFICATIONS	L8.1

CONSULTANT TEAM

LANDSCAPE ARCHITECT/PLANNER:

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7144 E. STETSON DRIVE
SUITE 205
SCOTTSDALE, AZ 85251
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CONTACT: RUSS GREEY



CASKEY RESIDENCE

7602 N. Moonlight Lane
Paradise Valley, AZ 85253



project #:
DDA008

drawn by:
TEAM

date:
08/18/22

drawing:
Cover

L0.0

of

INVENTORY COMPLETED BY:

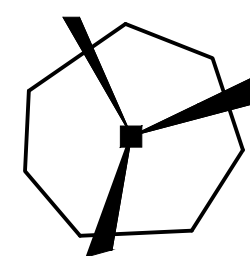
GREEY | PICKETT
7144 E. STETSON DRIVE, SUITE 205
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PHONE 480-609-0009
CONTACT: RUSS GREEY
EMAIL: rgreey@greepickett.com

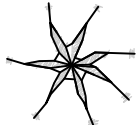
NOTE:
ALL PLANTS WITHIN THE LIMITS OF DISTURBANCE WERE INVENTORIED. WE INVENTORIED ABOUT 10' BEYOND THE DISTURBED AREA. THE REST OF THE SITE IS UPHILL AND IS EXTREMELY STEEP AND NOT SAFE TO INVENTORY PLANTS WAY OUTSIDE LIMITS OF DISTURBANCE.

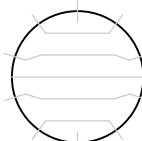
GENERAL SALVAGE NOTES:

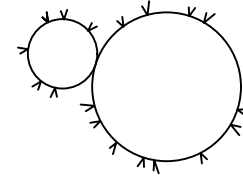
1. PLANT MATERIALS MUST BE INDIVIDUALLY TAGGED IN THE FIELD AT THE TIME THE INVENTORY PLANS ARE SUBMITTED. TAGGED MATERIALS MUST BE CLEARLY MARKED WITH WATERPROOF INK AND INCLUDE THE NUMBER WHICH CORRESPONDS TO THE NUMBER SHOWN ON THE PLANS.
 2. ALL PLANT MATERIALS MUST REMAIN ON SITE UNTIL THE SALVAGE PLAN IS APPROVED.
 3. TAGS MUST BE ATTACHED SO THAT THEY WILL REMAIN ON THE PLANT FOR THE DURATION OF THE SALVAGE AND NURSERY STORAGE PERIOD.
 4. ALL SALVAGEABLE MATERIAL IS TO BE CLEARLY FLAGGED WITH TAPE OR PLASTIC TAGS VISIBLE FROM ALL DIRECTIONS. TAGS SHALL BE NUMBERED TO CORRESPOND WITH THE PLANT INVENTORY PLAN AND LEGEND.
- COLOR CODE AS FOLLOWS:
RED - SALVAGE AND RELOCATE
WHITE - PRESERVE AND PROTECT IN PLACE
BLUE - DESTROY, NOT SALVAGEABLE AND CANNOT REMAIN IN PLACE
5. ALL SALVAGEABLE PLANTS WILL BE STORED AT AN ON-SITE HOLDING YARD AND WILL BE RE-PLANTED ON-SITE AT A LATER DATE.
 6. ALL MISCELLANEOUS CACTI UNDER 3' IN HEIGHT WILL BE SALVAGED AND STORED IN THE NURSERY IF THEY ARE WITHIN THE BUILDING ENVELOPE AND AFFECTED BY CONSTRUCTION.
 7. UPON REMOVAL OF SALVAGEABLE NATIVE PLANTS THE SALVAGE CONTRACTOR SHALL SUBMIT A LIST IDENTIFYING THE TAG NUMBER OF THE PLANTS SURVIVING SALVAGE OPERATIONS TO THE CITY'S LANDSCAPE INSPECTOR PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
 8. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PROJECT PROPERTY LINES PRIOR TO SALVAGE. ANY PLANT MATERIAL THAT IS LABELED SALVAGEABLE OR NON-SALVAGEABLE OUTSIDE OF FINAL STAKING BOUNDARIES IS TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY OWNER.
 9. CONTRACTOR TO VERIFY WITH OWNER ALL PLANT MATERIAL LABELED SALVAGEABLE OR NON-SALVAGEABLE ADJACENT TO N.A.O.S. BOUNDARIES AND /OR DRAINAGE WAYS

PLANT SYMBOL LEGEND:

*Cercidium Monrovia*

*Fouquieria splendens*

*Ferocactus cylindraceus*

*Carnegiea gigantea*

*Palo Verde*

*Ocotillo*

*Compass Barrel*

*Saguaro*

INVENTORY COMPLETED BY:

ARIZONA SPECIALTY CACTUS
PHONE: 602-694-3496
E-MAIL: AZSPECIALTYCACTUS@GMAIL.COM
CONTACT: ALEX GREEY

Date: 5/12/2022

Tag #	Species	Condition	Inventory Designation	Salvageability Comments	Caliper Inches	Tree Height-Ft.	Tree Width-Ft.	Cacti Height-Ft.
1	COM	Poor	Destroy	Open Wound	8.0			5
2	COM	Poor	Destroy	Poor Health	12.0			4
3	COM	Fair	Destroy	Growing in Rock	7.0			4
4	PLO	Fair	Destroy	Too Rocky	4.0	6	10	
5	PLO	Poor	Destroy	Branch Die Back	8.0	11	17	
6	COM	Poor	Destroy	Poor Health	12.0	10	20	4
7	PLO	Poor	Destroy	Poor Structure	8.0			
8	OCT	Poor	Destroy	Poor Structure	2.0			7
9	COM	Fair	Destroy	Too Rocky	14.0			4
10	OCT	Poor	Destroy	Poor Health	2.0			6
11	OCT	Poor	Destroy	Poor Health	2.0			6
12	SAG	Good	Salvage		3.0			10
13	COM	Poor	Destroy	Poor Health	10			3
14	PLO	Poor	Destroy	Branch Die Back	9.0	10	17	
15	PLO	Poor	Destroy	Poor Structure	4.0	8	15	
16	PLO	Poor	Destroy	Poor Structure	4.0	8	15	
17	SAG	Good	Salvage		8.0			4
18	SAG	Good	Salvage		10.0			6
19	SAG	Good	Salvage		10.0			6
20	PLO	Good	Destroy	Growing in Tock	5.0	10	12	
21	PLO	Poor	Destroy	Poor Structure	8.0	13	20	
22	MES	Fair	Destroy	Too Close to Existing Wall	8.0	12	12	

Summary

Salvage Plants

- 0 Trees on this site to be salvaged totaling 0 caliper inches
- 4 Cacti on this site to be salvaged totaling 26 linear feet

4 Total Plants to Salvage

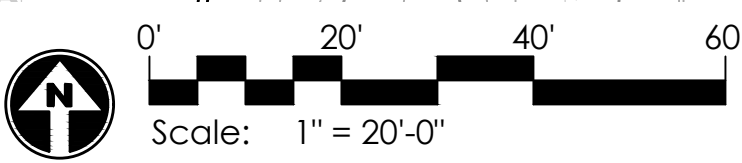
Unsalvageable Plants (Destroy)

- 9 Trees on this site that are not salvageable (destroy) totaling 50 caliper inches
- 9 Cacti on this site that are not salvagable (destroy) totaling 43 linear feet

18 Total Plants to Destroy (Unsalvageable)

Abbreviation Legend

Abb	Botanical Name	Common Name
PLO	<i>Parkinsonia florida</i>	Palo Verde
COM	<i>Ferocactus cylindraceus</i>	Compass Barrel
SAG	<i>Carnegiea gigantea</i>	Saguaro
OCT	<i>Fouquieria splendens</i>	Ocotillo
MES	<i>Prosopis velutina</i>	Mesquite



CASKEY RESIDENCE

7602 N. Moonlight Lane
Paradise Valley, AZ 85253

project #: DDA008
scale: 1" = 20'-0"
issued for: Hillside Submittal
drawn by: TEAM
date: 08/18/22
drawing: Native Plant Inventory

L2.0
of

REVEGETATION NOTES:

RE-VEGETATION: ALL AREAS DISTURBED BY CONSTRUCTION OR CONSTRUCTION ACCESS IN THE NATURAL AREA OR TRANSITIONAL AREA (BASICALLY ANY AREA THAT IS OUTSIDE THE FOOTPRINT OF THE OVERALL HOUSE AND SITE WALLS) SHALL BE RE-VEGETATED WITH CONTAINER SIZED NATIVE PLANT SPECIES. 75% OF ALL OF THE RE-VEGETATION PLANT MATERIAL SHALL BE THE DOMINANT SHRUB SPECIES, WHICH IS TRIANGLE LEAF BURSAGE.

RE-VEGETATION SEED MIX: ALL AREAS DISTURBED BY CONSTRUCTION OR CONSTRUCTION ACCESS IN THE NATURAL AREA OR TRANSITION AREA (BASICALLY ANY AREA THAT IS OUTSIDE THE FOOTPRINT OF THE OVERALL HOUSE AND SITE WALLS) SHALL RECEIVE AN APPLICATION OF RE-VEGETATION SEED MIX.

RECOMMENDED APPLICATION METHOD:

1. RIP OR SCARIFY ALL AREA TO BE SEEDED TO A MINIMUM DEPTH OF 4".
2. COVER ALL AREAS THAT HAVE EXCESSIVE AMOUNTS OF HARD GRANITE (HARDPAN) OR ALKALINE SOIL WITH DESERT COBBLE. CONTRACTOR TO APPLY NATIVE DESERT COBBLE MIX TO MATCH THE CHARACTER OF THE NATIVE SURROUNDING AREA.
3. BROADCAST SEED MIX AT THE RATES DESCRIBED ABOVE IN A UNIFORM MANNER ENSURING THAT ALL AREAS ARE EVENLY COVERED; EITHER MECHANICAL OR HAND BROADCASTING METHODS ARE ACCEPTABLE.
4. MECHANICALLY DRAG OR RAKE ALL SEEDED AREAS AFTER ALL SEED IS UNIFORMLY APPLIED. IDEALLY THIS SHOULD HAPPEN AFTER THE BOXED PLANT MATERIAL IS INSTALLED, AND BEFORE THE SMALL CONTAINERIZED PLANTS ARE INSTALLED.
5. NO SUPPLEMENTAL IRRIGATION IS REQUIRED.

REVEGETATION SEED MIX

Plant Name	Pounds/Acre
<i>Ericameria laricifolia</i>	5
Turpentine Bush	
<i>Ambrosia deltoidea</i>	1
Bursage	
<i>Eriogonum fasciculatum</i>	1
Desert Buckwheat	
<i>Prosopis velutina</i>	1
Native Mesquite	
<i>Calliandra eriophylla</i>	.5
Pink Fairy Duster	
<i>Cercidium floridum</i>	1
Blue Palo Verde	
<i>Cercideum microphyllum</i>	1
Foothill Palo Verde	
<i>Baileya multiradiata</i>	.5
Desert Marigold	
<i>Simmondsia chinensis</i>	1
Jojoba	

PROPOSED
BUILDING PAD
SLOPE LINE
H.A: 1576.100'

PERHANGS
ROUGHOUT
30 S.F.

UNDISTURBED AREA
PRELIMINARY GROSS
DISTURBED AREA
24,298 S.F.

C: MAIN LEVEL
MECH
24 S.F.

MAIN LEVEL COV
PATIO
445 S.F.

NOTE:
NEW LOCATION OF
SALVAGED PLANT
MATERIAL, #S... TYPICAL
F.F.E.=1545

NEW CONCRETE PAVER
PATIOS: ARTISTIC PAVERS,
LIMESTONELOCK SERIES,
12"x24" SIZE, STACKED
BOND PATTERN, 'LINEN
GRAY' COLOR, LRV:21

B: LOWER
LIVABLE
980 S.F.

LOWER LEVEL
F.F.E.=1534.4

E: LOWER
GARAGE
UNDER BLDG
663 S.F.

D: MAIN LEVEL
MECH (ABV
GARAGE)
21 S.F.

F: GARAGE
LOWER LEVEL
UNDER DECK
652 S.F.

NOTE: SEE CIVIL G&D PLANS FOR ALL
ELEVATION AND TOP OF WALL CALLOUTS.



0' 10' 20' 30'
Scale: 1" = 10'-0"

PLANT MATERIALS LEGEND-REVEG.

Sym.	Plant Name	Size	Qty	Caliper(in.)	H x W
Trees					
	<i>Olney tesota</i> Ironwood	60" box	1	Multi-trunk	
	<i>Parkinsonia microphylla</i> Foothills Palo Verde	36" box	3	Multi-trunk	
	<i>Prosopis velutina</i> Native Mesquite	24" box	3	Multi-trunk	
Shrubs					
	<i>Ambrosia deltoidea</i> Triangle Leaf Bursage	1 gal.	177	-	
	<i>Calliandra eriophylla</i> Pink Fairy Duster	5 gal.	22	-	
	<i>Cordia boissieri</i> Mexican Olive	15 gal.	3	-	
	<i>Ericameria laricifolia</i> Turpentine Bush	1 gal.	44	-	
	<i>Eriogonum fasciculatum</i> Flat Top Buckwheat	5 gal.	8	-	
	<i>Justicia californica</i> Chuparosa	5 gal.	8	-	
	<i>Larrea tridentata</i> Creosote	5 gal.	27	-	
	<i>Olea europaea 'Montra'</i> Little Olle Dwarf Olle	5 gal.	41	-	
	<i>Simmondsia chinensis</i> Jojoba	5 gal.	10	-	
	<i>Sphaeralcea ambigua</i> Globe Mallow	5 gal.	11	-	
Groundcovers					
	<i>Baileya multiradiata</i> Desert Marigold	1 gal.	5	-	
	<i>Glandularia gooddingii</i> Goodding Verbena	1 gal.	8	-	
	<i>Melampodium leucanthum</i> Blackfoot Daisy	1 gal.	33	-	
	<i>Vigueria deltoidea</i> Goldeneye	1 gal.	5	-	
Accents Cactus					
	<i>Agave americana</i> Century Plant	15 gal.	5	-	
	<i>Agave deserti</i> Desert Agave	5 gal.	9	-	
	<i>Agave ovatifolia</i> Whale's Tongue Agave	15 gal.	2	-	
	<i>Agave parryi var. truncata</i> Parry's Agave	15 gal.	2	-	
	<i>Agave weberi</i> Blue Agave	15 gal.	1	-	
	<i>Asclepias subulata</i> Desert Milkweed	5 gal.	7	-	
	<i>Cyndropuntia bigelovii</i> Teddy Bear Cholla	15 gal.	9	-	
	<i>Euphorbia antispyphilica</i> Candelilla	5 gal.	11	-	
	<i>Ferocactus wislizenii</i> Fishhook Barrel Cactus	5 gal.	3	-	
	<i>Fouquieria splendens</i> Ocotillo	Large bare root	5	-	
	<i>Opuntia engelmannii</i> Engelmann's Prickley Pear	5 gal.	9	-	
	<i>Penstemon 'species'</i> Mixed Penstemon	1 gal.	15	-	
	<i>Yucca elata</i> Soaptree Yucca	15 gal.	4	-	
	<i>Yucca rostrata</i> Beaked Yucca	24" box	1	-	

INERTS

Sym.	Description
	1/2" MINUS DECOMPOSED GRANITE, COLOR TO MATCH EXISTING SURROUNDING AREA IN COLOR AND SIZE IN ALL PLANTING AREAS INSIDE WALLS. 2" THICK.
	DESERT COBBLE: THE TOP 6" OF DESERT SOIL IS TO BE SALVAGED AND STOCKPILED FOR RE-VEGETATION AREAS. CONTRACTOR TO MIX AND SPREAD COBBLE MIX ON SITE TO MATCH THE CHARACTER OF THE NATIVE SURROUNDING AREA. 2" THICK. SUPPLEMENTAL COBBLE TO BE D.C. RANCH COBBLE, 6" MINUS.

BOULDER NOTES:

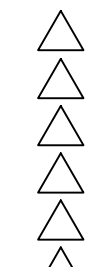
1. BOULDER SYMBOLS ARE SHOWN FOR REFERENCE ONLY. SIZE BOULDERS BASED ON TONNAGE ONLY, BUT INCLUDE A VARIETY OF SHAPES AND SIZES.
2. SURFACE SELECT BOULDERS TO BE SELECTED/TAGGED BY LANDSCAPE ARCHITECT AND FIELD LOCATED.
3. LANDSCAPE CONTRACTOR TO SET BOULDERS WITH CRANE USING STEEL CABLES. PROVIDE NECESSARY CRANE FOR WEIGHT.

RELOCATED SALVAGE

Sym.	Plant Name	Qty
Accents		
	<i>Carnegiea gigantea</i> Saguaro	4

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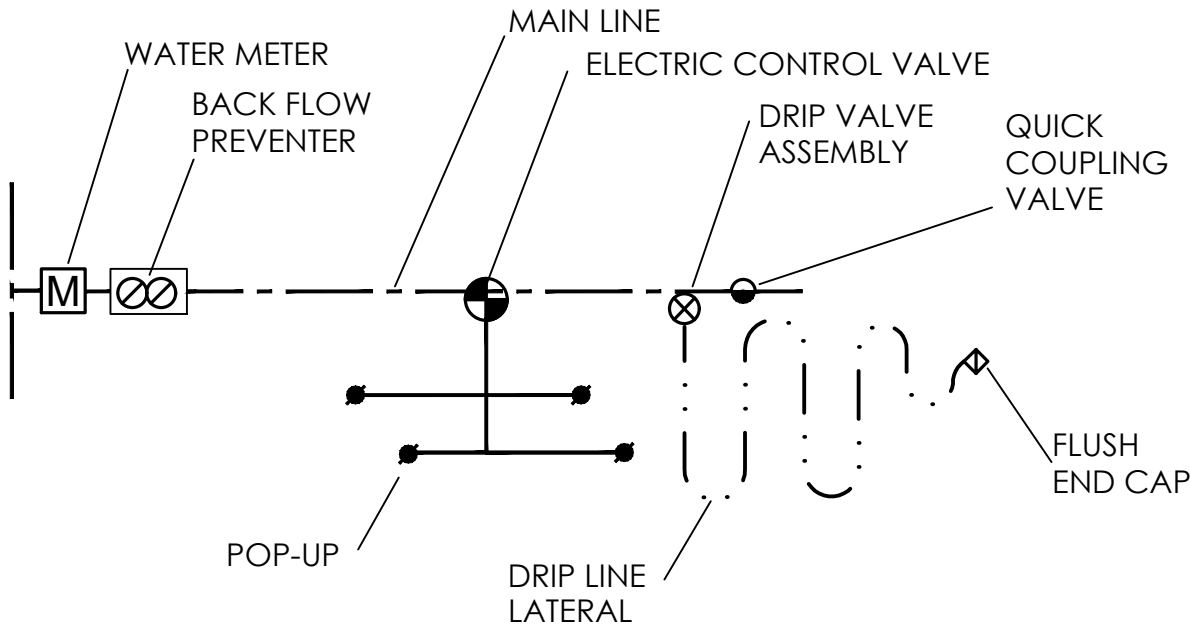
date:
08/18/22

drawing:
Landscape Plan

L3.0
of

IRRIGATION GENERAL NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 55 PSI, AT A MINIMUM DISCHARGE OF 50 GPM AT MAINLINE POINT-OF-CONNECTION. VERIFY PRESSURE AND FLOW ON SITE AND NOTIFY LANDSCAPE ARCHITECT OF ANY DIFFERENCES PRIOR TO INSTALLATION OR ORDERING OF ANY MATERIALS OR STARTING CONSTRUCTION. IF CONTRACTOR FAILS TO NOTIFY LANDSCAPE ARCHITECT, HE ASSUMES FULL RESPONSIBILITY FOR ANY NECESSARY SYSTEM ALTERATIONS AND ADDITIONAL COST THAT RESULT. FIELD MODIFICATIONS MAY OCCUR IN ORDER TO FULFILL THE DESIGN INTENT OF THE DRAWINGS. CONTRACTOR SHALL CONSULT WITH IRRIGATION DESIGNER AND PREPARE AS-BUILT PLANS SHOULD FIELD MODIFICATIONS BE NECESSARY.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
5. THESE IRRIGATION CONSTRUCTION DOCUMENTS, INCLUDING ALL PLANS, NOTES, DETAILS AND SPECIFICATIONS ARE INTENDED TO FACILITATE THE INSTALLATION CONTRACTOR BY PROVIDING GENERAL GUIDELINES FOR DESIGN INTENT. THEREFORE, ALL IRRIGATION ELEMENTS GRAPHICALLY REPRESENTED IN THESE CONSTRUCTION DOCUMENTS ARE SCHEMATIC.
 - A. ALTHOUGH IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY, INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE. PROVIDE 18" DEEP, ROCK FREE COVER OVER MAINLINE AND WIRE, AND COVER 12" DEEP OVER LATERALS, 6" OVER POLY PIPE AND 1/4" PIPE, BASED ON FINISHED GRADE.
 - B. TREE AND SHRUB LOCATIONS AS SHOWN ON LANDSCAPE PLANS TAKE PRECEDENCE OVER IRRIGATION EQUIPMENT LOCATIONS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES.
 - C. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF CROSS TYPE FITTINGS IS NOT ALLOWED.
6. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
 - A. TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVES.
 - B. TWO (2) OF EACH SERVICING WRENCH OR TOOL NEEDED FOR COMPLETE ACCESS, ADJUSTMENT, AND REPAIR OF ALL ROTARY SPRINKLERS.
7. SELECT NOZZLES FOR SPRAY AND ROTARY SPRINKLERS WITH ARCS WHICH PROVIDE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVERSPRAY FOR THE SITE CONDITIONS. CAREFULLY ADJUST THE RADIUS OF THROW AND ARC OF COVERAGE OF EACH ROTARY SPRINKLER TO PROVIDE THE BEST PERFORMANCE.
8. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. ALL PIPE AND WIRING UNDER PAVED SURFACES SHALL BE IN CLASS 200 MINIMUM PVC SLEEVES. WHETHER OR NOT SHOWN, PIPING IN SLEEVES UNDER ROADWAYS SHALL BE A MINIMUM DEPTH OF 24". PIPING IN SLEEVES UNDER SIDEWALKS SHALL BE A MINIMUM DEPTH OF 18". EXTEND SLEEVES 12" BEYOND EDGE OF PAVEMENT.
9. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR.
10. INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES. ALL 24-VOLT WIRING SHALL BE #14 UFUL DIRECT-BURIAL, SOLID COPPER.
11. THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN THE IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
12. INSTALL TWO (2) #14 AWG CONTROL WIRES FROM CONTROLLER LOCATION TO EACH DEAD-END OF MAINLINE FOR USE AS SPARES IN CASE OF CONTROL WIRE FAILURE. COIL 3 FEET OF WIRE IN VALVE BOX.
13. SYSTEM SCHEMATIC SHALL BE AS FOLLOWS:



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	NOTES
	WATER METER. ALSO PROVIDE REDUCED PRESSURE BACKFLOW PREVENTOR TO MATCH METER	SEE CIVIL PLANS FOR SIZE
	CONTROLLER	WALL-MOUNTED, PAINT TO MATCH WALL. SPEC HUNTER 'I-CORE' CONTROLLER OR EQUIVALENT.
	CONTROL VALVE QTY. TBD	FLUSH MOUNTED, BOX COLOR TO MATCH GROUND PLANE
	MAINLINE	CLASS 200 PVC

THE INSTALLATION CONTRACTOR SHALL PROGRAM THE CONTROLLER, IN ORDER TO MANAGE THE DURATION OF THE IRRIGATION CYCLE TO AVOID RUNOFF CONDITIONS

SLEEVING SCHEDULE

PIPE OR WIRE BUNDLE	REQUIRED SLEEVE
3/4", 1", 1-1/4" PIPE	1-2" PVC SLEEVE PER PIPE
1-1/2", 2" PIPE	1-4" PVC SLEEVE PER PIPE
1-25 CONTROL WIRES	1-2" PVC SLEEVE
26-55 CONTROL WIRES	2-3" PVC SLEEVE

IRRIGATION LEGEND

	(2) 2" CLASS 200 PVC SLEEVING MATERIAL. UNDER ALL PAVED SURFACES
	WHETHER OR NOT SHOWN

EMITTER SCHEDULE

INSTALL BOWSMITH "ML-220" SERIES PRESSURE COMPENSATING EMITTERS AS FOLLOWS:

Plant type	Plant size	Emitters per Plant	GPH per Plant	# of Outlets	Total GPH/Plant
TREES	15 gal.	1 Multi-Outlet	2 GPH	3	6 GPH
	24" Box	1 Multi-Outlet	2 GPH	4	8 GPH
	36" Box	1 Multi-Outlet	2 GPH	5	10 GPH
	48" Box	1 Multi-	2 GPH	6	12 GPH

INSTALL BOWSMITH "S" SERIES PRESSURE COMPENSATING EMITTERS AS FOLLOWS:

SHRUBS	1 gallon	2 Single per Plant	1/2 GPH	2	1 GPH
	5 gallon	2 Single per Plant	2 GPH	2	4 GPH

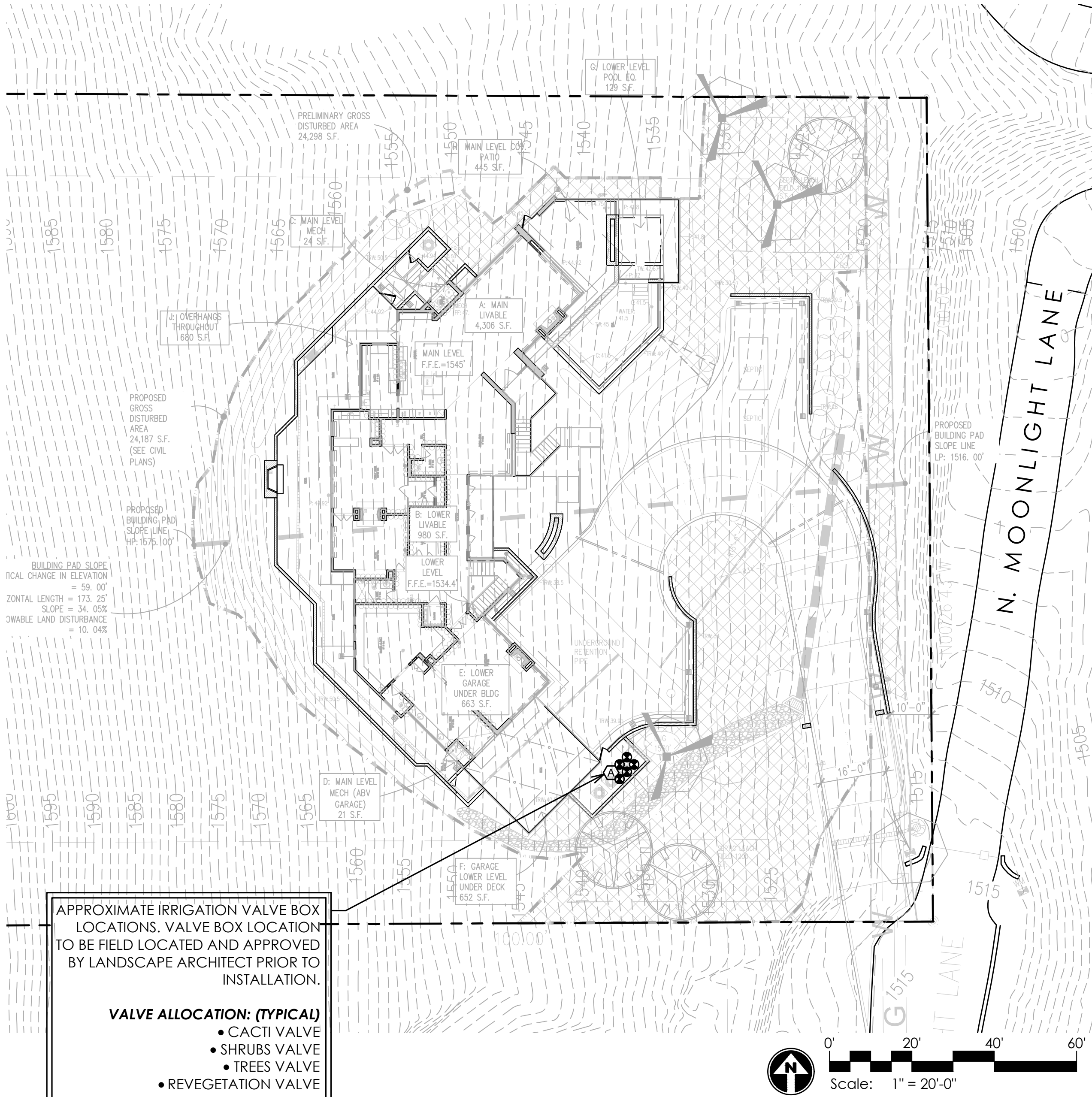
NOTES:
ALL SHRUBS SPACED 18 INCHES OR CLOSER SHALL RECEIVE ONLY ONE DRIP EMITTER. SHRUBS SPACED GREATER THAN 18 INCHES TO RECEIVE EMITTERS PER THE ABOVE SCHEDULE.

ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL, WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.

ALL PIPING SHALL BE THOROUGHLY FLUSHED PRIOR TO EMITTER INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY FLUSHING OF EMITTERS DUE TO CLOGGING FOR THE DURATION OF THE MAINTENANCE PERIOD. ANY PLANT MATERIAL THAT DIES DUE TO EMITTER CLOGGING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.

NOTE:
1. IRRIGATION SYSTEM TO BE ALL HARD PIPE PVC.
2. INSTALL MULTI-PORT EMITTERS.
3. USE INLINE EMITTERS, NO FLAG EMITTERS.
4. CONTRACTOR TO SUBMIT SHOP DRAWINGS OR CONTACT LANDSCAPE ARCHITECT FOR PROPOSED IRRIGATION SYSTEM FOR APPROVAL PRIOR TO CONSTRUCTION.
5. PLANT MATERIAL WITHIN DISTURBED AREA AROUND HOUSE WILL BE WATERED WITH PERMANENT IRRIGATION SYSTEM.
6. REVEGETATION PLANT MATERIAL WILL BE WATERED WITH TEMPORARY SURFACE IRRIGATION SYSTEM

IRRIGATION PLAN IS FOR SCHEMATIC PURPOSES ONLY
CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL.



LIGHTING FIXTURE CUT SHEETS

FXLuminaire.

LED Path Lights

PROJECT

CATALOG #

TYPE

NOTES

M-PL Path Light

DESIGNER PLUS

The ultra-modern M-PL path light combines the versatility of die-cast aluminum with minimalist aesthetics to complement a range of contemporary installations.

Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Crew® integrated LEDs
- Color temperature filters

- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V

LANDSCAPE LIGHTING

FXLuminaire.

LED Up Lights

PROJECT

CATALOG #

TYPE

NOTES

CC LED Up Light

DESIGNER PREMIUM

Created for small scale elements, the CC combines smart style and functional ability. Our Driver-On-Board technology uses long-life LEDs which provide excellent illumination. The CC's slim high-design with precision engineering, making it an ideal selection.

Quick Facts

- Brass construction
- Natural brass or antique finishes
- Color temperature filters
- Phase and PWM dimmable

- Crew® integrated LEDs
- Proform™ adjustability
- Compatible with Luxor technology
- Input voltage: 10-15V

LANDSCAPE AND ARCHITECTURAL LIGHTING

1" = 8"

1" = 10"

HILLSIDE OUTDOOR LIGHTING REQUIREMENTS:

AREA OF LOT:

142,335 S.F.

ALLOWABLE DISTURBED AREA: (25%)

35,584 S.F.

LANDSCAPE UP-LIGHTING: LIMITED TO ONE (1) FIXTURE PER 1,000 S.F. OF ALLOWABLE DISTURBED AREA.

UP-LIGHTS PERMITTED:

35 LIGHTS

UP-LIGHTS PROVIDED:

5 LIGHTS

NOTE: ALL OTHER LIGHTING (LUMINAIRE) IS CONSIDERED 'SAFETY LIGHTING' USED TO ILLUMINATE VEHICULAR AND PEDESTRIAN CIRCULATION, AND DOES NOT EMIT LIGHT RAYS ABOVE A HORIZONTAL PLANE.

LIGHTING FIXTURE SCHEDULE

SYMBOL	QTY	MANUFACTURER	MODEL #	COLOR	DESCRIPTION	LAMP	LED	WATAGE	LUMENS	COLOR TEMP.
	17	FX LUMINAIRE	M-PL-1LED-FB	FLAT BLACK	LOW VOLTAGE PATHLIGHT	LED	1 LED	2.0 W	73	2700K
	5	FX LUMINAIRE	CC-3LED-LS-AB	ANTIQUE BRONZE	LOW VOLTAGE UP LIGHT WITH LONG SHROUD	LED	3 LED	4.2 W	124	2700K
	TBD	-	-	-	LOW VOLTAGE TRANSFORMER (CONTRACTOR TO DETERMINE QUANTITY REQUIRED)					

LIGHTING NOTES

- CONTRACTOR SHALL VERIFY ALL SPECIFICATIONS, COLORS, AND FINISHES WITH OWNER PRIOR TO ORDERING OR INSTALLING.
- LANDSCAPE ARCHITECT TO FIELD APPROVE ALL LIGHTS.

CASKEY RESIDENCE

7602 N. Moonlight Lane
Paradise Valley, AZ 85253

project #:

DDA008

issued for:

Hillside Submittal

drawn by:

TEAM

date:

08/18/22

drawing:

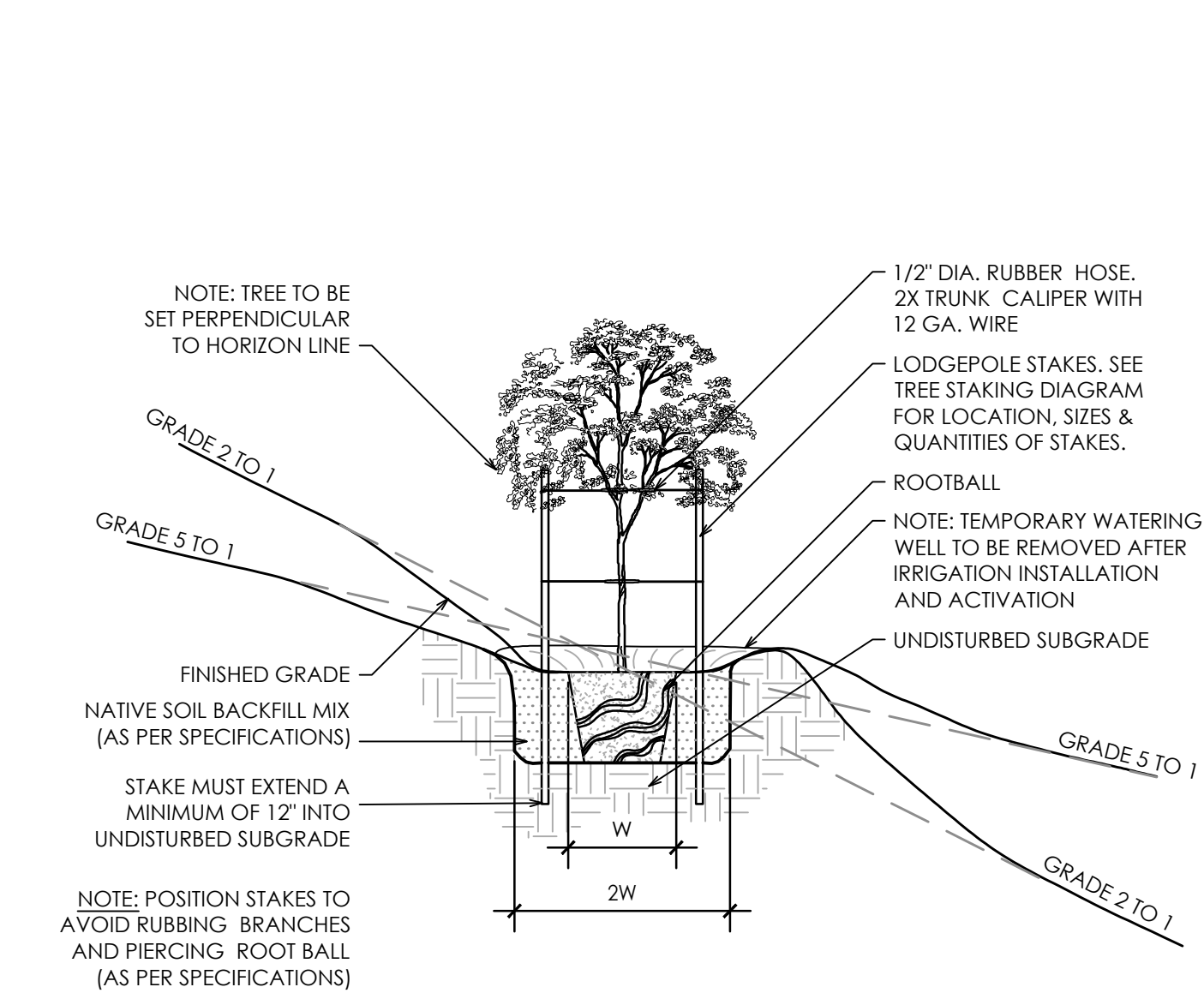
Lighting Plan

L5.1

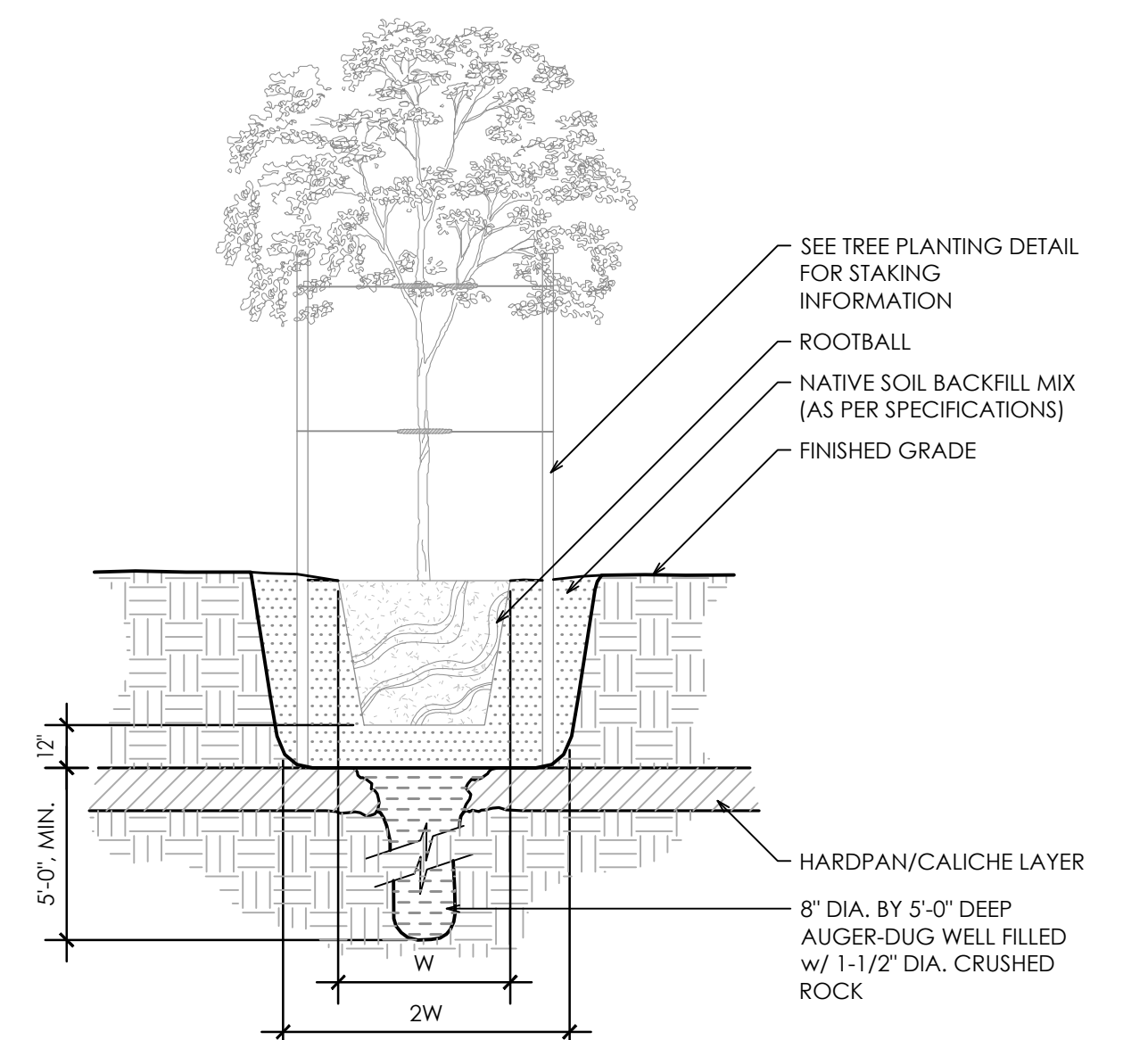
of

GREY|PICKETT
landscape architecture | community design
7144 e session drive, suite 205
paradise valley, az 85253
480.609.0000p 480.609.0000f

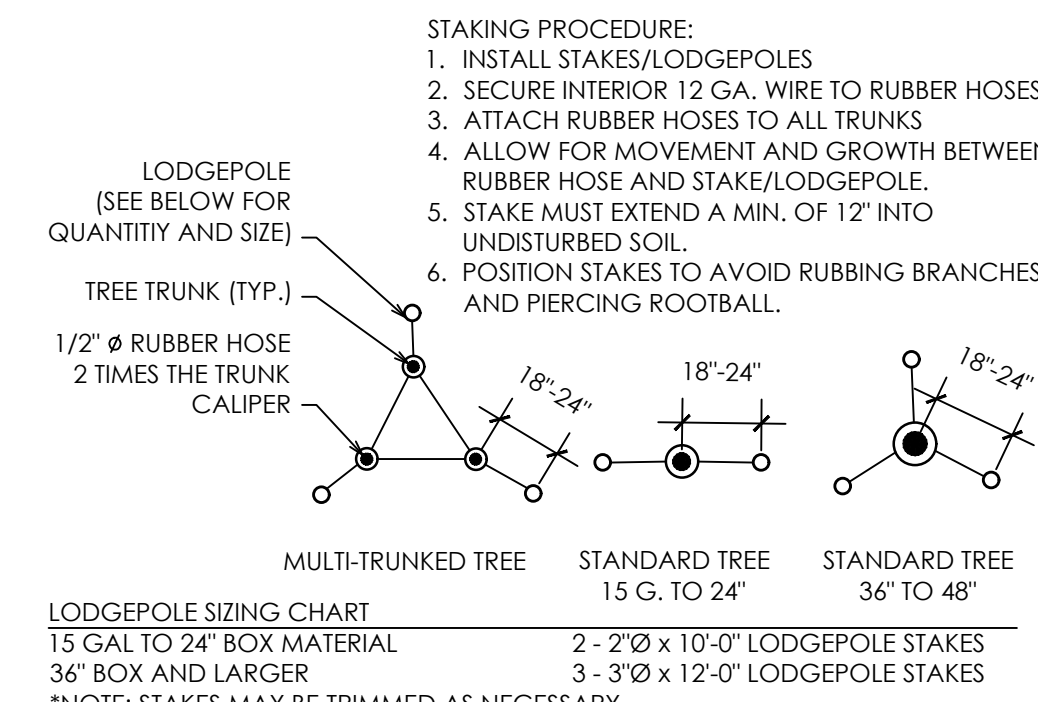
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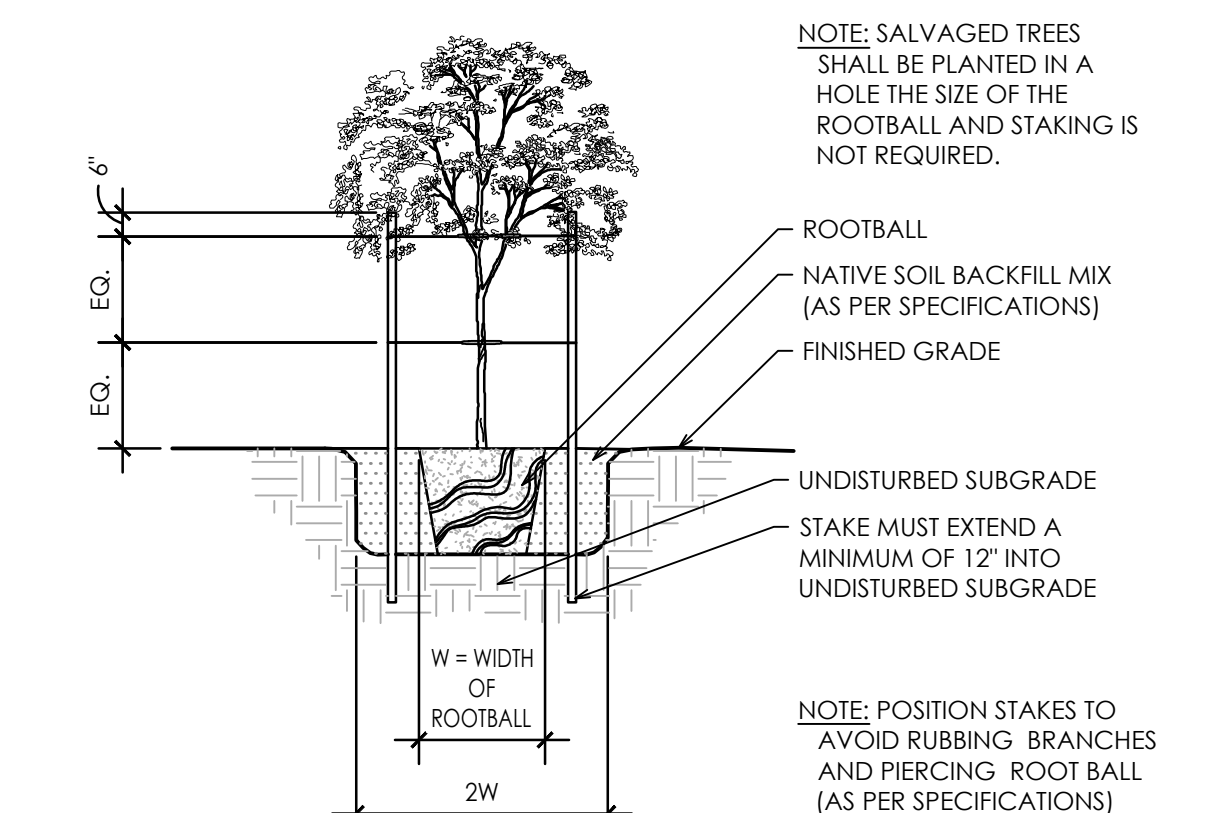
1 **Tree Planting on Slope Detail**
Scale: NTS



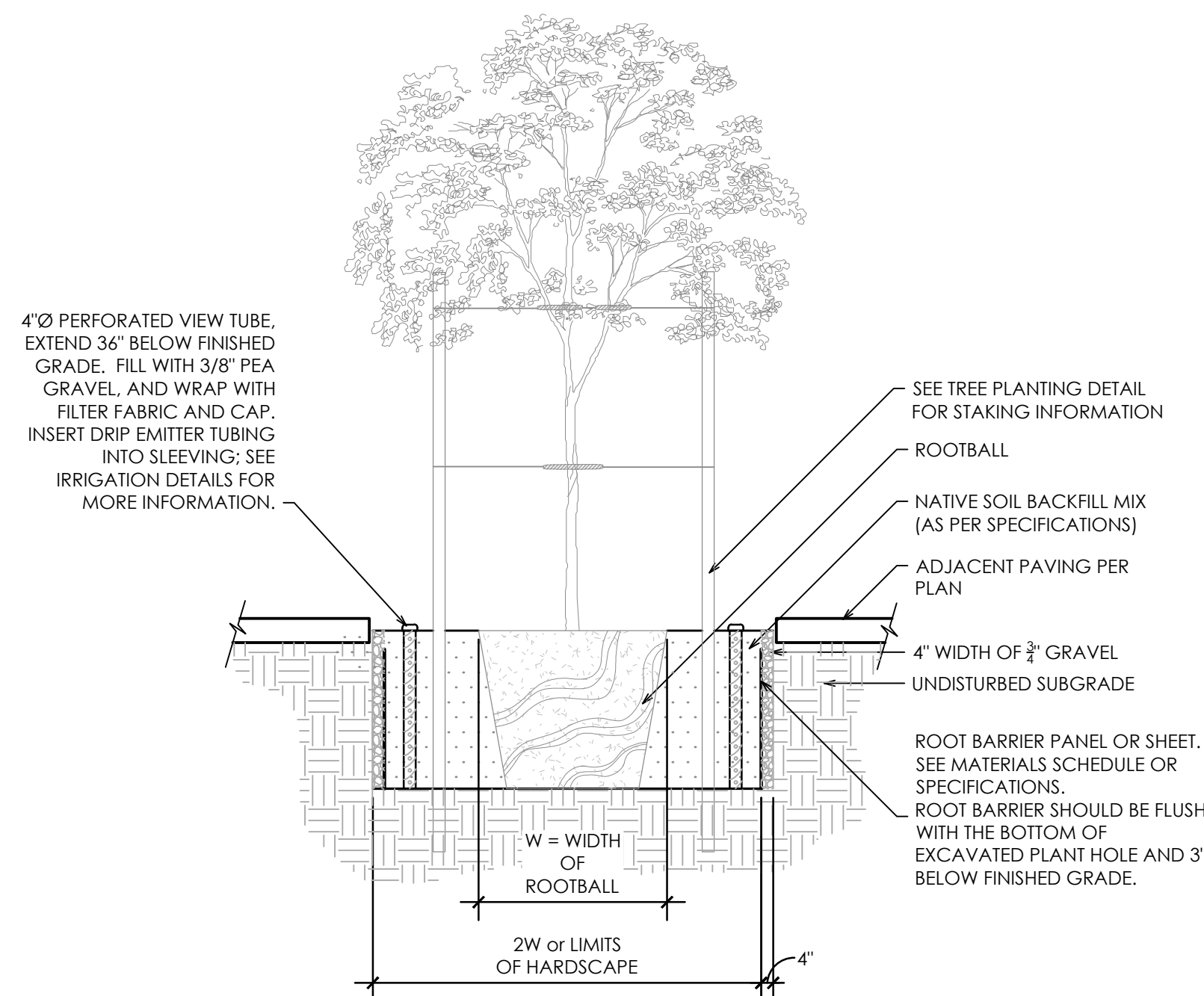
2 **Hard Pan Planting**
Scale: NTS



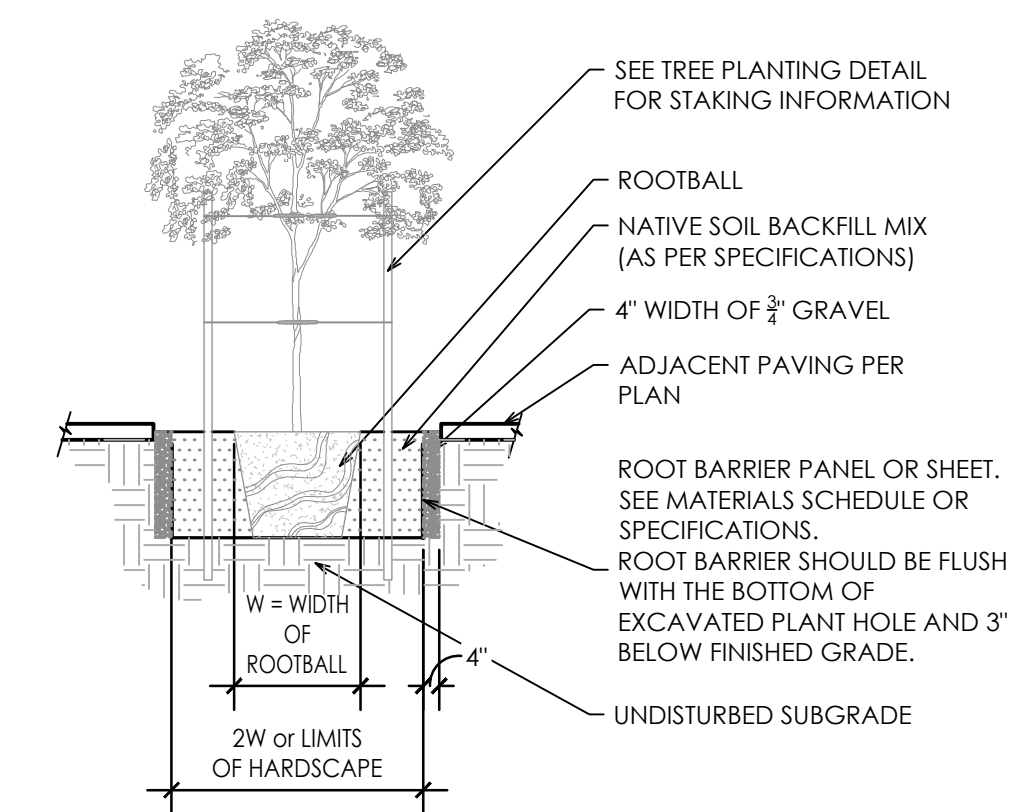
3 **Tree Staking Diagram**
Scale: NTS



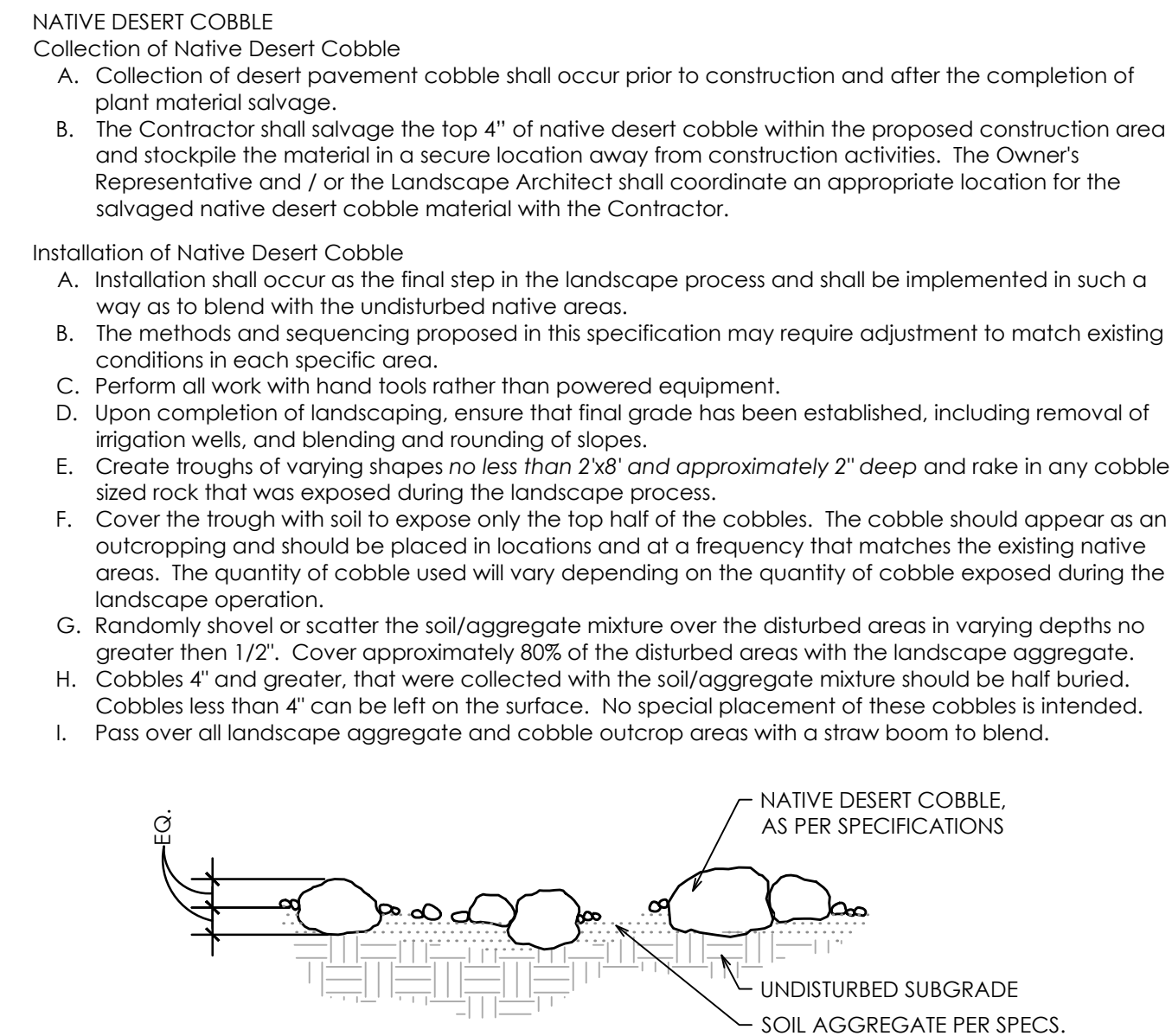
4 **Tree Planting Detail**
Scale: NTS



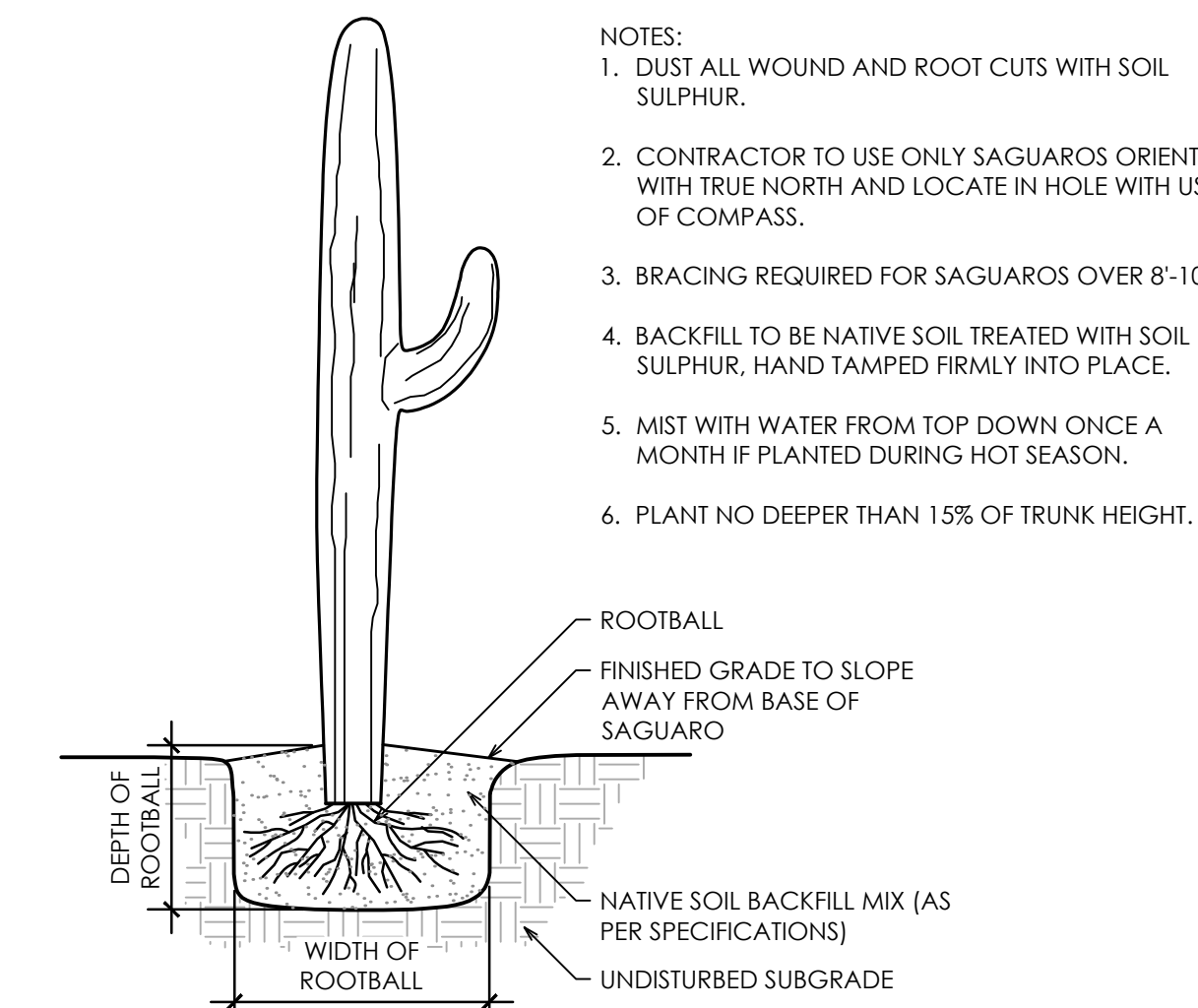
5 **Deep Watering Detail**
Scale: NTS



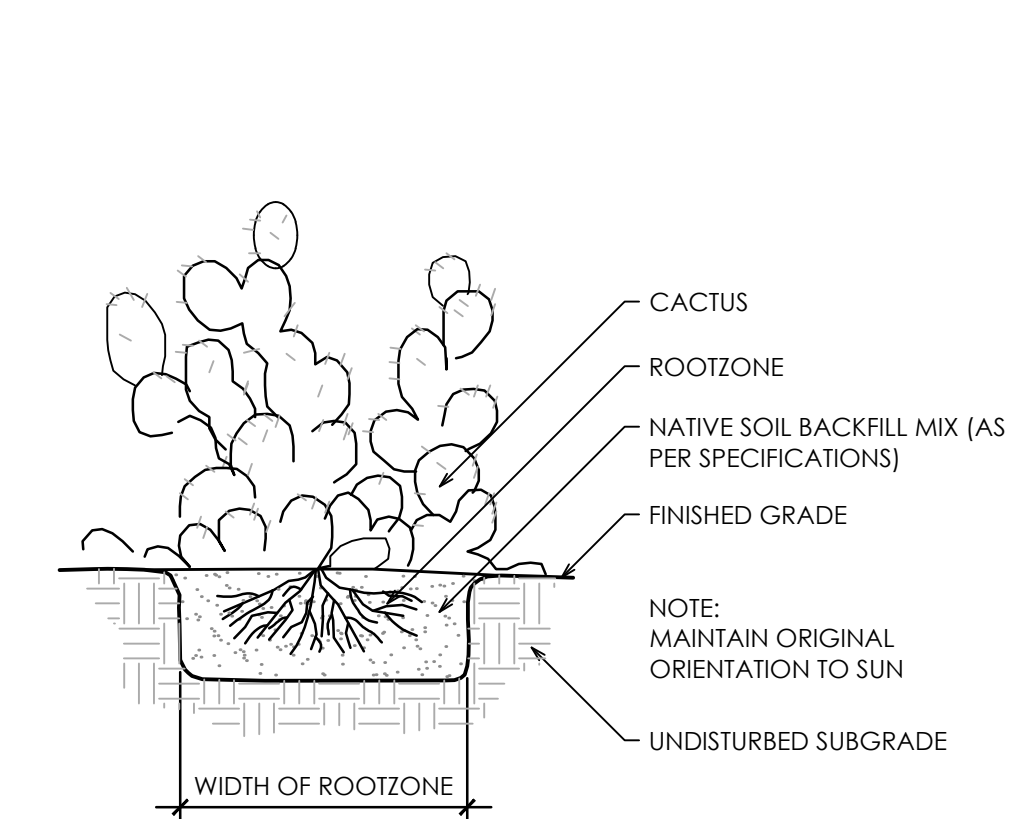
6 **Root Barrier Detail**
Scale: NTS



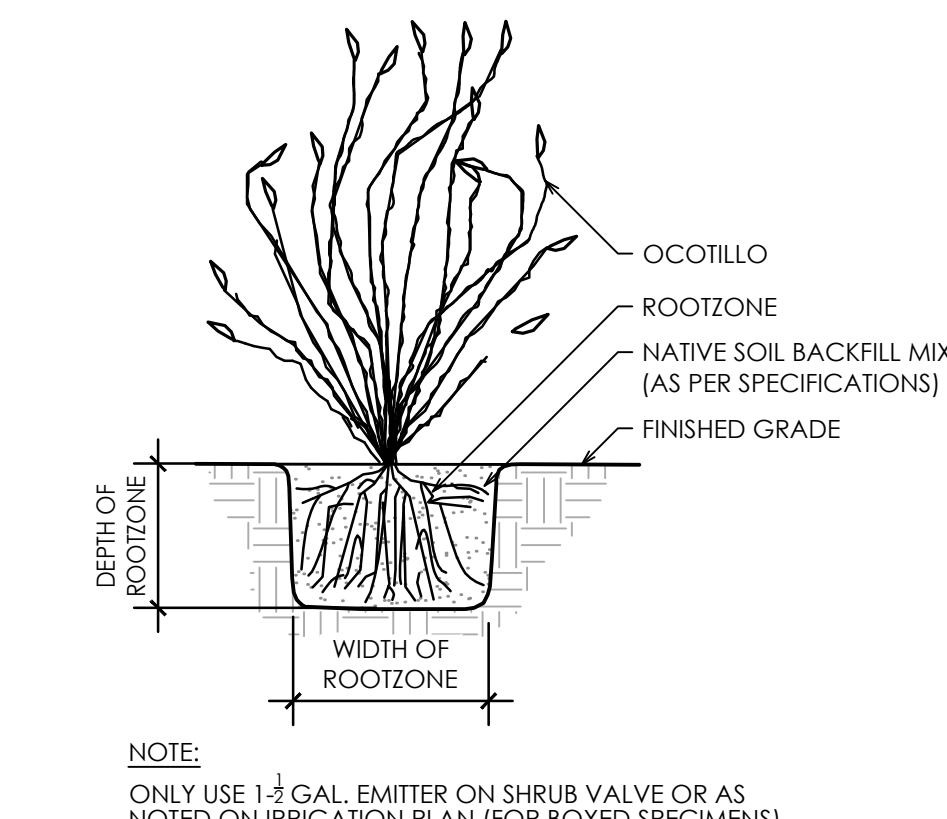
7 **Desert Pavement Detail**
Scale: NTS



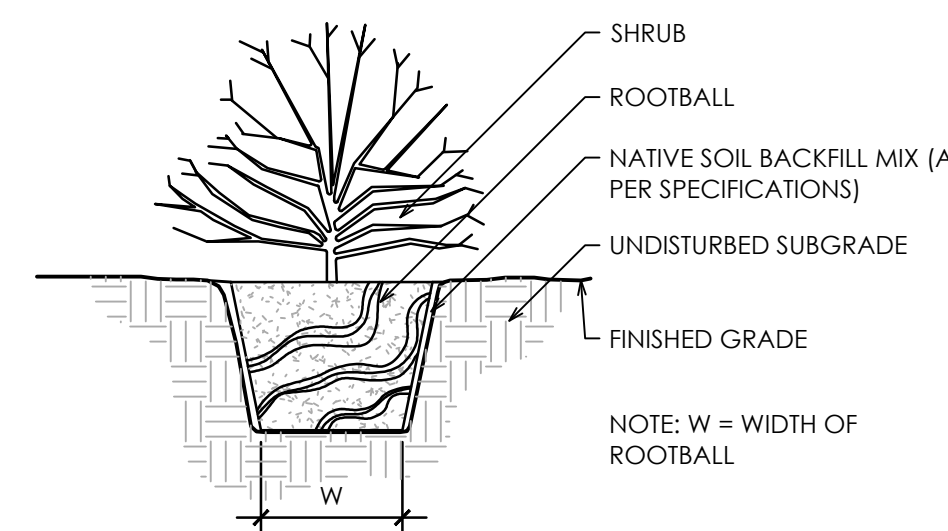
8 **Saguaro Planting Detail**
Scale: NTS



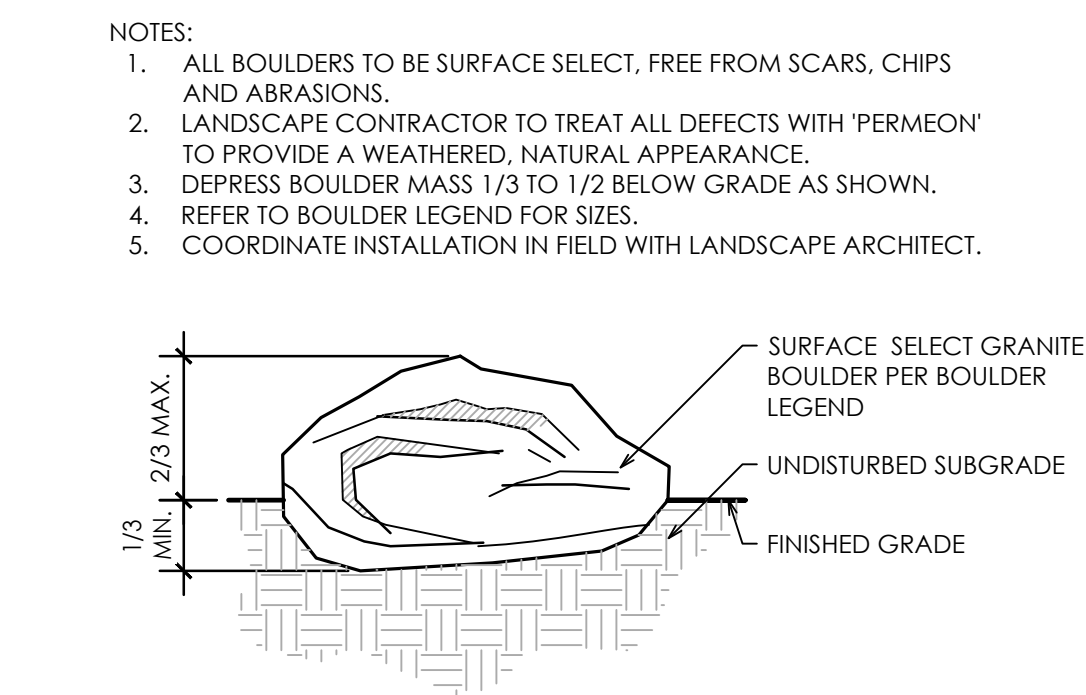
9 **Cactus Planting Detail**
Scale: NTS



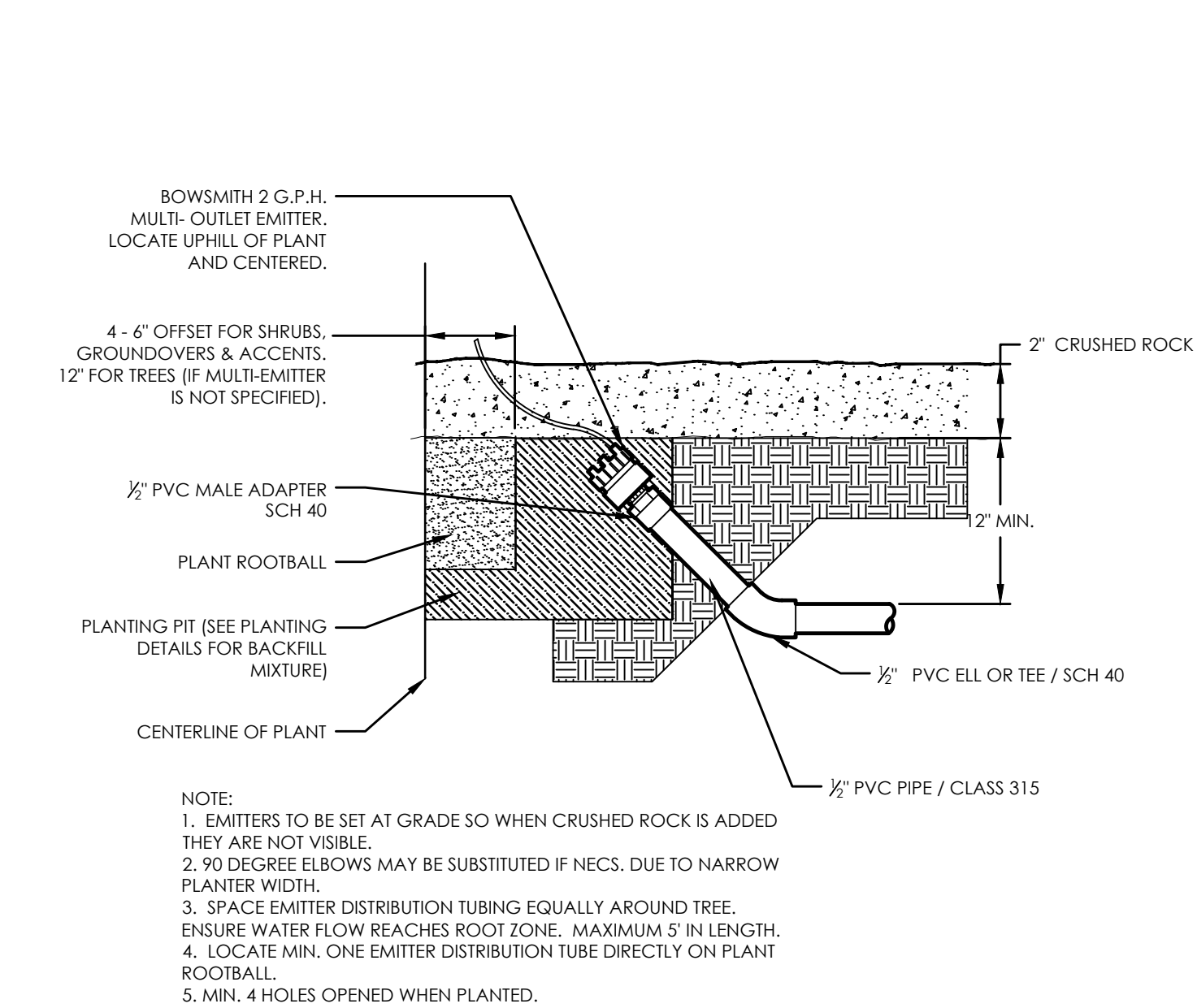
10 **Ocotillo Planting Detail**
Scale: NTS



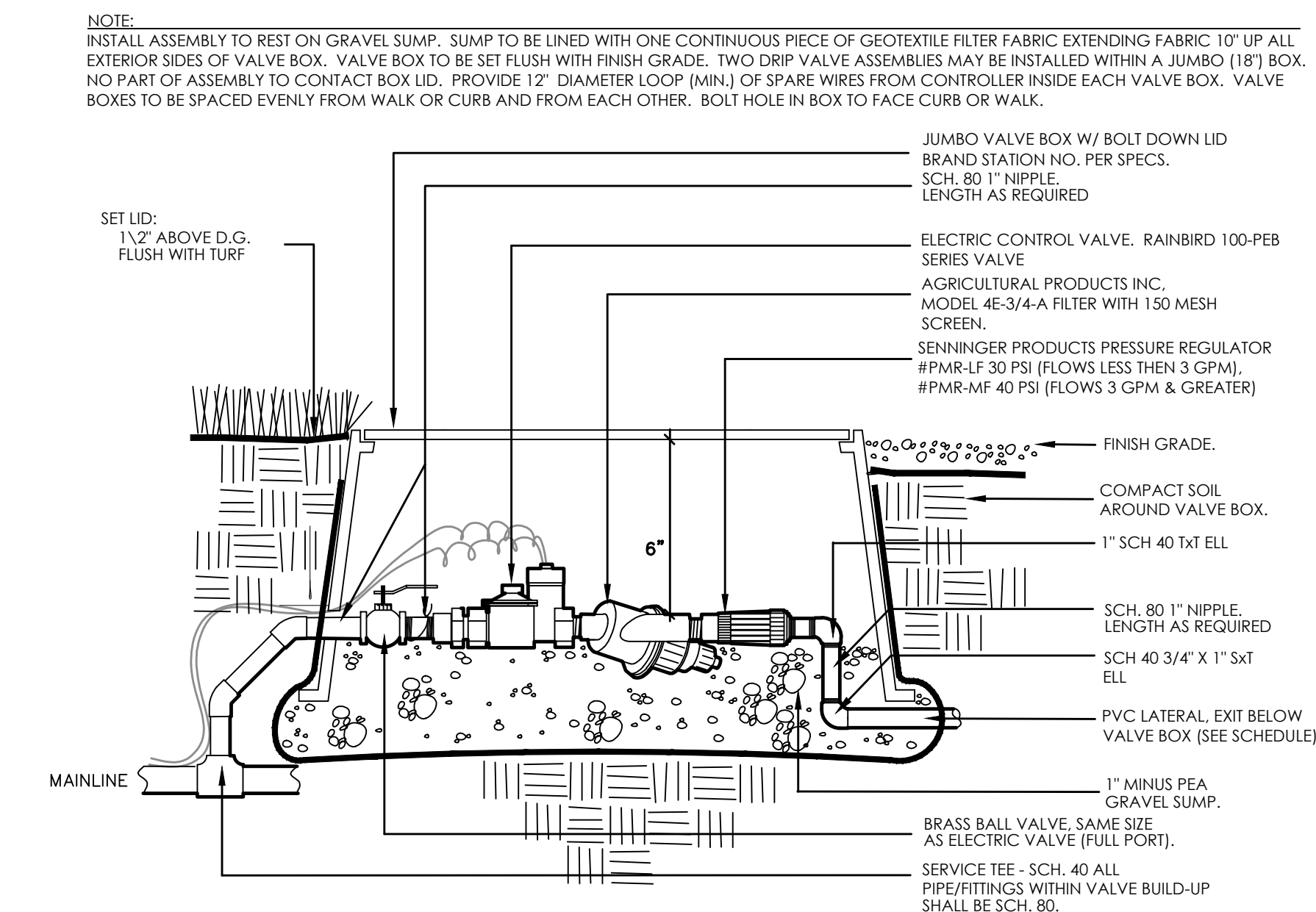
11 **Shrub Planting Detail**
Scale: NTS



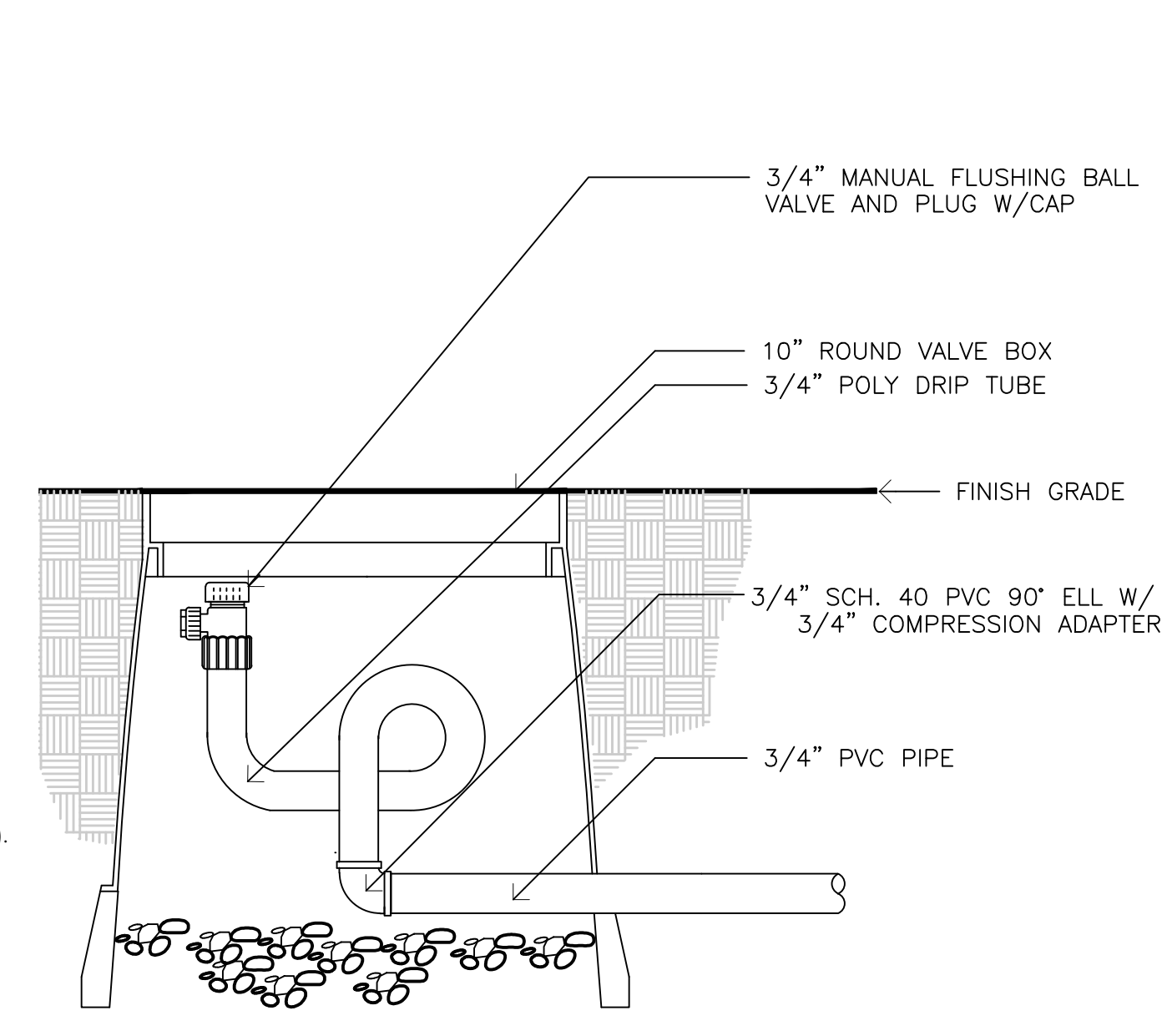
12 **Boulder Detail**
Scale: NTS



1 Multi-Outlet Drip Emitter
Scale: NTS



2 Drip Valve Assembly
Scale: NTS

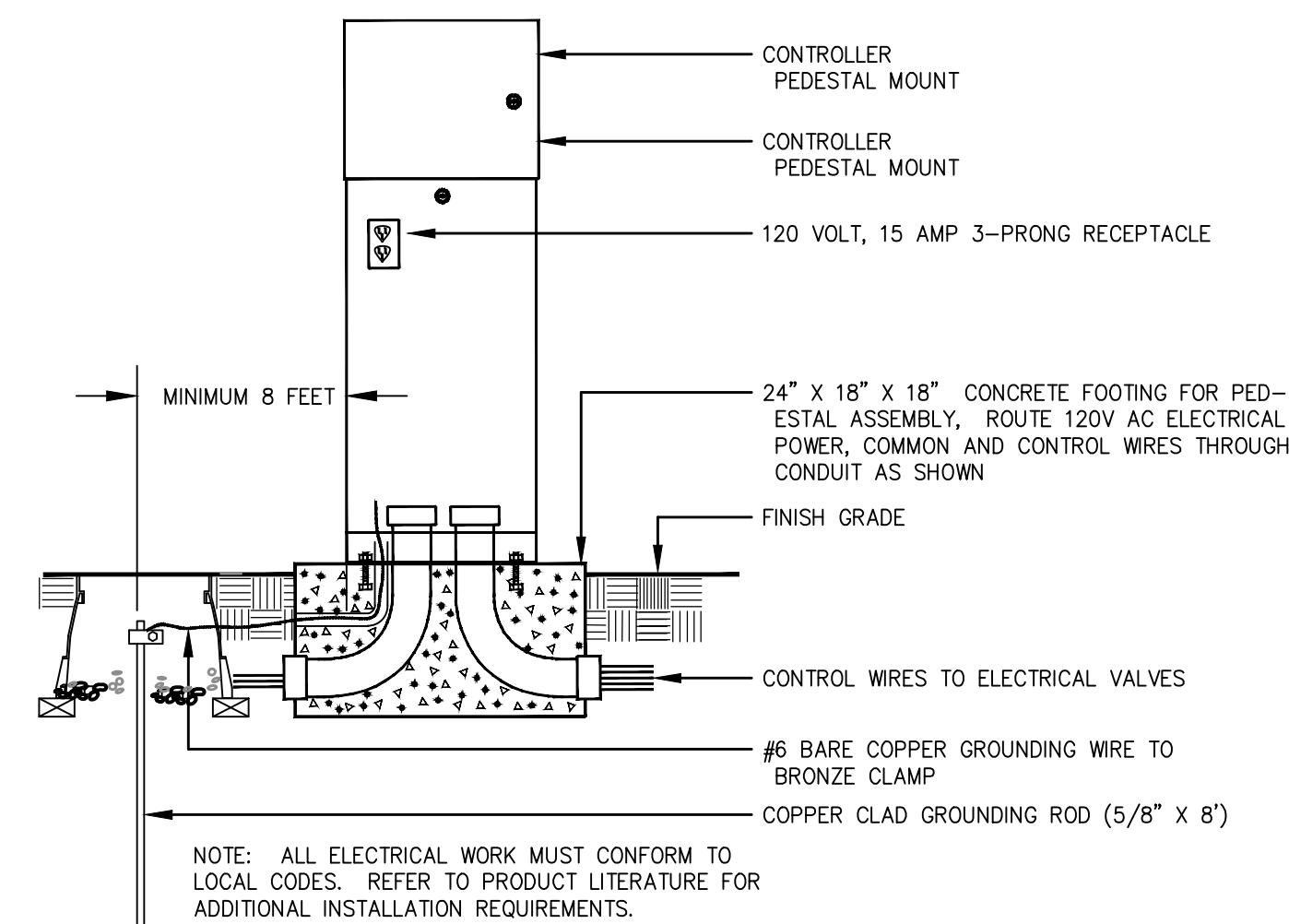


3 Drip Flush Cap Assembly
Scale: NTS

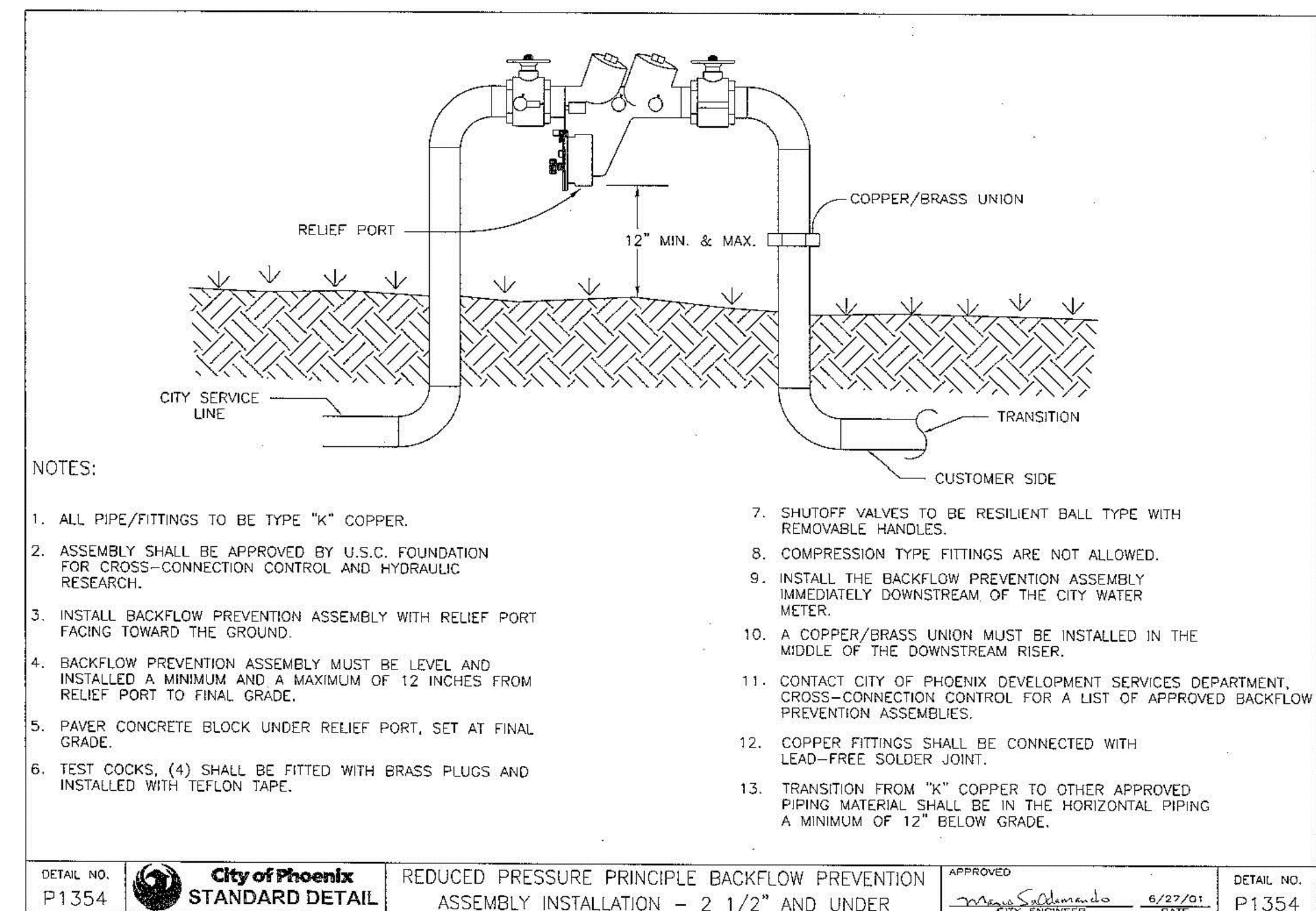
PLANT SIZE	QUANTITY PER PLANT	SYSTEM TYPE: POLY	SYSTEM TYPE: P.V.C.	TOTAL G.P.H.
1 GALLON	1	S10 (1.0 GPH)	SL210 (1.0 GPH)	1.0
5 GALLON	1	S10 (1.0 GPH)	SL210 (1.0 GPH)	1.0
15 GALLON	2	S10 (1.0 GPH)	SL210 (1.0 GPH)	2.0
24" BOX	2	S20 (2.0 GPH)	SL220 (2.0 GPH)	4.0
36" BOX	3	S20 (2.0 GPH)	SL220 (2.0 GPH)	6.0
42" BOX	4	S20 (2.0 GPH)	SL220 (2.0 GPH)	8.0
SPECIMENS	(SEE NOTES)			

- NOTES:
- EMITTER SCHEDULE IS A GUIDE FOR SIZING EMITTERS. CONTRACTOR TO ENSURE THAT EACH SPECIFIC PLANT IS WATERED PROPERLY.
 - SPECIMEN TREES SHALL BE WATERED AS DIRECTED BY THE SALVAGE CONTRACTOR.

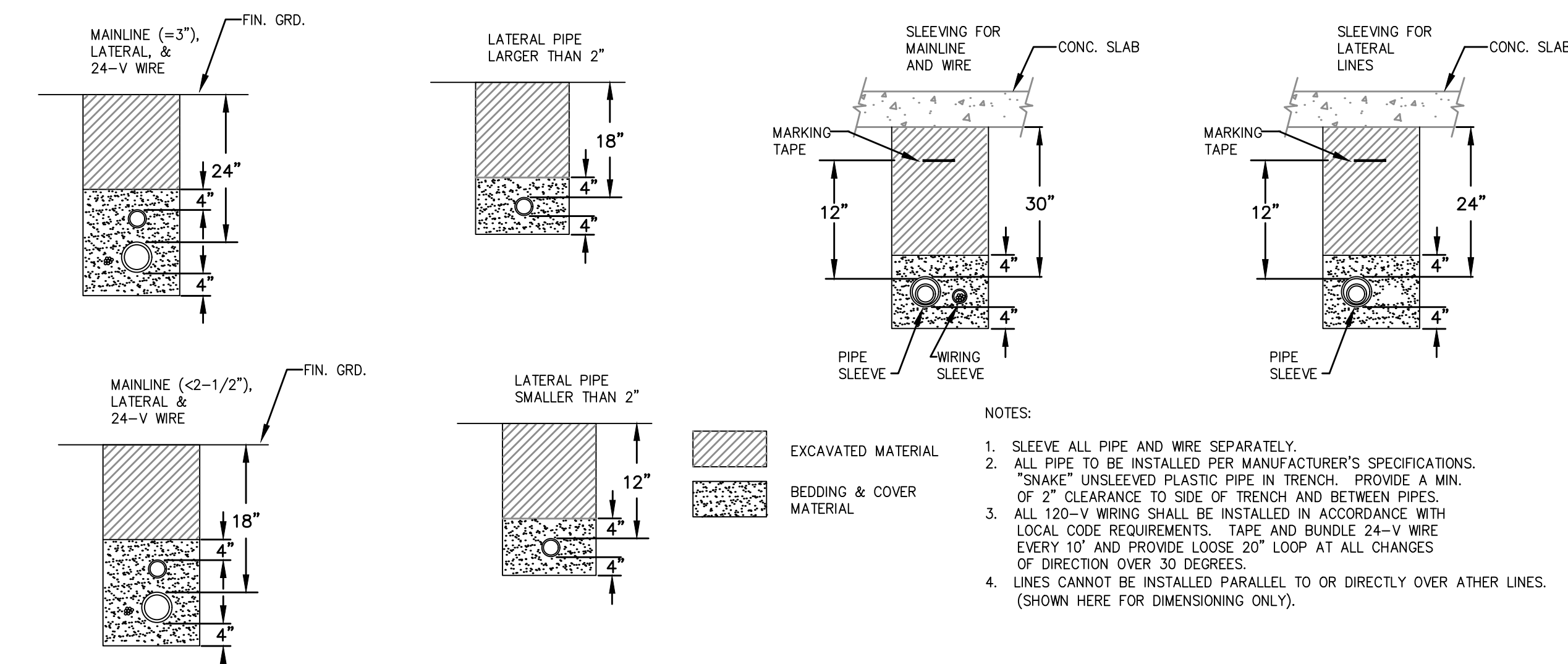
4 Drip Emitter Schedule
Scale: NTS



5 Pedestal Mounted Controller
Scale: NTS



8 Reduced Pressure Backflow
Scale: NTS



6 Irrigation Trench Detail
Scale: NTS

RATE OF FLOW G.P.M.	PIPE SIZE: CLASS 200	PIPE SIZE: SCH 40	PIPE SIZE: POLY TUBING
0 - 5	3/4"	3/4"	1/2"
6 - 8	3/4"	1"	3/4"
9 - 12	1"	1-1/4"	1"
13 - 22	1-1/4"	1-1/2"	
23 - 30	1-1/2"	2"	
31 - 50	2"	2-1/2"	
51 - 75	2-1/2"	3"	
76 - 110	3"	4"	
111 - 160	4"	-	

- NOTES:
- SEE IRRIGATION SCHEDULE FOR CLASS OR SCHEDULE OF PVC PIPE SPECIFIED.
 - ALL PIPING 3" AND LARGER SHALL BE INSTALLED WITH THRUST BLOCKS (SEE DETAIL).

7 Pipe Sizing Chart Detail
Scale: NTS

SECTION - 02810 IRRIGATION

PART I - GENERAL

1.01 WORK INCLUDED
Work of this Section generally includes a provision of an underground irrigation system including the following:

- *Trenching, stockpiling excavation materials, and refilling trenches.
- *Complete systems including but not limited to piping, backflow preventer assemblies, valves, fittings, heads, controller wiring and final adjustments to ensure efficient coverage as determined by Consultant.
- *Water connections.
- *Replacements of unsatisfactory materials.
- *Clean-up, inspection, and approval.
- *Tests.

1.02 REFERENCES

Perform Work in accordance with requirement of Conditions of the Contract and division 01 - General Requirements as well as provisions of all applicable laws, codes, ordinances, rules and regulations. Conform to requirements of reference information listed below except where more stringent requirements are shown or specified in Contract Documents.

- American Society for Testing and Materials (ASTM) - Specifications and Test Methods specifically referenced in this Section.
- Underwriters Laboratories (UL) - UL Wires and Cables.

1.03 QUALITY ASSURANCE

Installer Qualifications - Installer shall have had considerable experience and demonstrated ability in the installation of irrigation system(s) of specified type(s) in a neat, orderly and responsible manner in accordance with recognized standards of workmanship. To demonstrate ability, experience and financial stability necessary for this Project, submit if requested by Consultant, prior to contract award the following:

- List of 3 projects completed in the last 2 years of similar complexity to this Project. Description of projects shall include:
 - Name of project.
 - Location.
 - Owner.
 - Brief description of work and project budget.
- Current company financial statement.

Special Requirements:

- Tolerances - Specified depths of pressure supply lines and laterals and pitch of pipes are minimums. Settlement of trenches is cause for removal of finish grade treatment, refilling, recompaction, and repair of finish grade treatment.
- Coordination with Other Contracts - Protect, maintain, and coordinate Work with Work under other Sections.
- Damage to Other Improvements - Contractor shall replace or repair damage to grading, soil preparation, seeding, sodding, or planting done under other Sections during work associated with installation of irrigation system at no additional cost to Owner.
- Work involving substantial plumbing for installation of backflow preventers, copper service and related work shall be executed by licensed and bonded plumber(s), performed in accordance with prevailing codes and regulations.
- Work involving connection to, installation, or extension of 120 volt or greater electrical service, shall be executed by a licensed and bonded electrician, performed in accordance with prevailing codes and regulations.

1.04 SUBMITTALS

Prepare and make submittals in accordance with conditions of the Contract.

Records Drawings (As-Builts):

- At onset of irrigation installation contractor shall secure mylar sepias of site plan from Landscape Architect. Make blue-line or black-line prints for every week on Project. At end of every day, revise prints for Work accomplished that day in red ink. As-built sepias shall be brought up-to-date or close of working day on every Friday by a qualified draftsman. One up-to-date print shall be mailed to Consultant on Monday of each week. An additional print of record plan(s) shall be available at Project Site. Upon completion of Project submit for review, prior to final acceptance, final set of as-built mylar sepias. Dimension from two permanent points of reference (building corners, sidewalk, road intersections or permanent structures), location of the following items:
 - Connection to existing water lines.
 - Routing of pressure supply lines (dimension every 100 feet along routing).
 - Electric control valves.
 - Quick coupling valves.
 - Drip line blow-out stubs.
 - Control wire routing (if not with pressure supply line).
 - Other related equipment as directed by Consultant.

- Consultant will not certify any pay request submitted by the Contractor if the as-built drawings are not current, and processing of pay request will not occur until as-builts are updated.

- Prior to scheduling walk-through for substantial completion, contractor to submit all as-builts information to consultant for approval.

Controller Drawings - Do not prepare controller drawings until record (as-built) drawings have been approved by Consultant.

- Provide controller drawing, automatic controller.
 - Controller drawing may be same size reproduction of record drawing, if scale permits fitting inside controller door without folding drawing. If photo reduction prints are required, keep reduction to maximum size possible to retain full legibility.
 - Controller drawing shall be blue-line print of actual as-built system, showing area covered by that controller.
 - Identify area of coverage of each remote control valve, using a distinctly different pastel color for each zone. Highlight heads, lateral piping, and control valves.
 - Following review of controller drawings by Consultant, hermetically seal each drawing between two layers of 20 mm thick clear plastic.
 - Controller drawing shall be completed and approved by Consultant prior to final completion walk-through of irrigation system.
 - Attach approved controller drawing to inside of each controller door using self adhesive Velcro strips.

Operation Manual:
Submit 3 sets of operations manual to Consultant for approval or prior to scheduling final completion walk-through. Manual to include the following in 1 x 3 ring binder:

- Index sheet stating project name, and listing contractor name, address, phone number and contract person including Primary Sub-Contractors.
- Manufacturer cut sheets for all material components of irrigation system. Highlight or circle specific model or item.

1.05 DELIVERY, STORAGE & HANDLING

Deliver, unload, store and handle materials, packaging, bundling, products, in dry, weatherproof condition in manner to prevent damage, breakage, deterioration, infestation, ignition, and vandalism. Deliver is original unopened packaging containers prominently displaying manufacturer name, volume, quantity, contents, instructions, and conformance to local, state and federal law.

1.05 DELIVERY, STORAGE & HANDLING (CONT.)

Remove and replace cracked, broken, or contaminated items or elements prematurely exposed to moisture, inclement weather, snow, ice, temperature extremes, fire or job site damage.

Handling of PVC Pipe - Exercise care in handling, loading and storing of PVC pipe. All PVC pipe shall be transported in a vehicle which allows length of pipe to lie flat so as not to subject it to undue bending or concentrated external loads. All sections of pipe that have been dented or damaged shall be discarded, and if installed, shall be removed and replaced with new piping.

1.06 JOBSITE CONDITIONS

Protection of Property:

- Preserve and protect all trees, plants, monuments, structures, and paved areas from damage due to Work of this Section. In the event damage does occur, all damage to inanimate items shall be completely repaired or replaced to satisfaction of Owner. All injury to living plants shall be repaired by Owner, and all costs of such repairs shall be charged to and paid by Contractor.
- Protect buildings, walks, walls, and other property from damage. Flare and barricade open ditches. Damage caused to asphalt, concrete, or other building material surfaces shall be repaired or replaced at no cost to Owner. Restore disturbed areas to original condition.

Existing Trees:

- All trenching or other Work under limb spread of any and all evergreens or low branching deciduous material shall be done by hand or by other methods so as to prevent damage to limbs or branches.
- Where it is necessary to excavate adjacent to existing trees, use all possible care to avoid injury to tress and free roots. Excavation, in areas where 2 inches and larger roots occur, shall be done by hand. Roots 2 inches or larger in diameter, except directly in the path of pipe conduit, shall be tunneled under and shall be heavily wrapped with burlap to prevent scarring or excessive drying. Where a trenching machine is operated close to trees having roots smaller than 2 inches in diameter, wall of trench adjacent to tree shall be hand rimmed, making clean cuts through roots. Roots 1 inch and larger in diameter shall be painted with two coats of Tree Seal. Trenches adjacent to trees shall be closed within 24 hours, and when this is not possible, side of trench adjacent to tree shall be kept shaded with moistened burlap or canvas.

Protection and Repair of Underground Lines:

- Request proper utility company to stake exact location (including depth) of all underground electric, gas, or telephone lines. Take whatever precautions are necessary to protect these underground lines from damage. In the event damage does occur, all damage shall be repaired by Contractor unless other arrangements have been made.
- Replacement of Paving and Curbs - Where trenches and lines cross existing roadways, paths, curbing, etc., damage to these shall be kept to a minimum and shall be restored to original condition.

1.07 WARRANTY / GUARANTEE

Remove and replace cracked, broken, or contaminated items or elements prematurely exposed to moisture, inclement weather, snow, ice, temperature extremes, fire or job site damage.

Handling of PVC Pipe - Exercise care in handling, loading and storing of PVC pipe. All PVC pipe shall be transported in a vehicle which allows length of pipe to lie flat so as not to subject it to undue bending or concentrated external loads. All sections of pipe that have been dented or damaged shall be discarded, and if installed, shall be removed and replaced with new piping.

1.08 MAINTENANCE

Furnish the following maintenance items to Owner prior to final Acceptance:

- 2 sets of special tools required for moving, disassembling, and adjusting each type of sprinkler head and valve supplied on this Project.
- 2 keys for each automatic controller.
- 1 quick coupler key and matching hose swivel.

1.09 EXTRA STOCK

In addition to the installed system, furnish the following items to Owner: A 4 per 100 installed drip emitters of each type used.

PART II - PRODUCTS

2.01 MATERIALS

General Piping:

- Pressure Supply Lines (downstream of backflow prevention units) - Class 200 BE (1)
- Non-pressure lines - Class 200 BE -
- Drip Tubing - Hardie EHD 2057-050 DURAPOL Blue Stripe Hose.
- Emitter Tubing - by emitter manufacturer.

Plastic pipe and Fittings:

Identification Markings:

- All pipe to be identified with following indelible markings:
 - Manufacturers Name.
 - Nominal pipe size.
 - Schedule of class.
 - Pressure Rating.
 - NSF (National Sanitation Foundation) seal of approval.
 - Date of extrusion.
- Solvent Weld Pipe - Manufactured from virgin polyvinyl chloride (PVC) compound in accordance with ASTM D2241 and ASTM D1784; cell classification 1224S-B, Type 1, Grade 1.

- Fittings - Standard weight, Schedule 40, injection molded PVC; complying with ASTM D1784 and D2466, cell classification 12454-B.
 - Threads - Injection molded type (where required).
 - Tees and ells - Side gated.
 - Threaded Nipples - ASTM D2464, Schedule 80 with molded threads.
- Joint Cement and Primer - Type as recommended by manufacturer of pipe and fittings.

Low Pressure/Volume Systems:

- Emitters as indicated on drawings.
 - Drip Tubing - manufactured of flexible vinyl chloride compound conforming to ASTM D1248, Type 1, Class C, Category 4, P14 and ASTM D3350 for PE 1221110.
 - Fittings - As recommended by tubing manufacturer.
 - Drip Valve Assembly - Type and size shown on drawings.
 - Wye Strainer - Plastic/Fiberglass construction with 150 mesh nylon screen and blow out assembly.

2.01 MATERIALS (CONT.)

- Control Valve - 2 way, solenoid pilot operated type made of synthetic, non-corrosive material; diaphragm activated and slow closing. Include freely pivoted seat seal; retained (mounted) without attachment to diaphragm.
- Pressure Reducing Valve - Plastic/Fiberglass construction with adjusting nut.

Copper Pipe and Fittings:

- Copper Pipe - Type K hard tempered.
- Fittings - Wrought copper, solder joint type.
- Joints - Soldered with solder, 45% silver, 15% copper, 16% zinc, and 24% cadmium and solids at 1125 F and liquids at 1145F.

Brass Pipe and Fittings:

- Brass Pipe - 85% red brass, AMSI Schedule 40 screwed pipe.
- Fittings - Medium brass, screwed 125 pound class.

Quick Coupling Valves - Brass two-piece body designed for working pressure of 150 psi; operable with quick coupler. Equip quick coupler with locking rubber cover.

Valve Boxes:

- Drip Line Blow-out Stubs, and Wire Stub Box - Carson #910-12.
- 3/4 inch through 2 inch Control Valves - Carson #1419-138.
- Drip Valve Assemblies - Carson #1419-138.
- Control Wiring Splices - Carson #910-12.

Electrical Control Wiring:

- Low Voltage:
 - Electrical Control Wire - AWG UF UL approved No.14 gauge direct burial copper wire for all control wires, and No.12 gauge direct burial copper wire for all common wires.
 - Wire Colors:
 - Control Wires - Red.
 - Common Wires - White.
 - Master Valve Wires - Blue.
 - Future Wires - Same as control and common wire (labeled at terminations).
 - If multiple controllers are utilized, and wire paths of different controllers cross each other, both common and control wires from each controller shall be different colors approved by Consultant.
 - Control wire connections and splices shall be made with 3M direct bury splice, Rain Bird Pentite connectors, or similar dry splice method.
- High Voltage - Type required by local codes and ordinances, of proper size to accommodate needs of equipment serviced.

Electric Control Valves - As noted on drawings

Pipe bedding material - Construction grade sand approved by Consultant.

Automatic Controller - As shown on drawings.

Backflow Preventer - As shown on drawings.

PART III - EXECUTION

3.01 INSPECTION:

Examine areas and conditions under which Work of this Section is to be performed. Do not proceed with Work until unsatisfactory conditions have been corrected.

Grading operations, with the exception of final grading, shall be completed and approved by Owner prior to staking or installation of any portion of irrigation system except sleeving.

3.02 PREPARATION

Staking shall Occur as Follows:

- Mark with powdered lime or marking paint, routing of pressure supply line and flag heads and control valve locations for first series of zones as directed by Consultant. Contact Consultant 48 hours in advance and request review of staking. Consultant will review staking and direct changes if required. Staking review does not relieve installer from coverage problems due to improper placement of heads after staking.

Install sleeving under all asphalt paving and concrete walks, prior to concreting and paving operations, to accommodate piping and wiring. Compact backfill around sleeves to 95% Standard Proctor Density within 2% of optimum moisture content in accordance with ASTM D1557.

Trenching - Trench excavation shall follow, as much as possible, layout shown on Drawing. Dig trenches straight and support pipe continuously on bottom of trench. Trench bottom shall be clean and smooth with all rock and organic debris removed. Pressure supply line trenches shall be over-excavated as required to allow for bedding material. Trench depth shall be uniform as required to meet minimum depth requirements for type of piping.

1. Clearances:

- Piping smaller than 3 inches - Trenches shall have a minimum width of 7 inches.
- Line clearance - Provide not less than 6 inches of clearance between each line, and not less than 12 inches of clearance between lines of other trades.

2. Pipe and Wire Depth:

- Pressure Supply Piping - 24 inches from top of pipe.
- Non-pressure piping (pop-up) - 18 inches from top of pipe.
- Control Wiring - Side and bottom of pressure supply line.
- Drip tubing - 12 inches from top of pipe.
- Emitter tubing - 12 inches from top of pipe (non slope plantings). 4 inches from top of pipe (slopes 2:1 or greater).

- Boring will be permitted only where pipe must pass under obstruction(s) which cannot be removed, and must be approved by consultant if not specifically indicated on construction drawings. Final density of backfill shall match that of surrounding soil. Use of sleeves of suitable diameter is acceptable if installed first by jacking or boring, and pipe laid through sleeves. Observe same precautions as though pipe were installed in open trench.

3.03 INSTALLATION

Locate other equipment as near as possible to location designated on construction drawings. Deviations shall be approved by Consultant prior to installation.

PVC Piping:

- Snake pipe in trench as much as possible to allow for expansion and contraction.
- When pipe laying is not in progress, or at end of each day, close pipe ends with tight plug or cap. (Perform work in accordance with good practices prevailing in piping trades).
- Coordinate pressure supply line installation with required bedding operations.
- Stake all above grade PVC piping per details.

3.03 INSTALLATION (CONT.)

- Use 45 degree ells when making perpendicular crossings of above grade PVC piping, to depress bottom pipe.
- Lay pipe and make all plastic to plastic joints in accordance with manufacturers recommendations.

Drip Tubing:

- Install fitting connections per manufacturers recommendations.
- Use only manufacturer provided or recommended hole punch when making penetrations in drip tubing for insert fittings. Use of other hole punch shall be cause for immediate removal and replacement of all installed drip tubing.
- Install drip line blow-out stubs at all dead ends of drip tubing.
- Any deviations from drip tube routing shown on drawings must be approved by consultant prior to installation.

Control Wiring:

1. Low Voltage Wiring:

- Bury control wiring between controller and electric valves in pressure supply line trenches, with wires consistently located below and to one side of pipe, on top of initial pipe bedding, or in separate trenches.
- Bundle all 24 volt wires of 10 foot intervals with electrical or duct tape.
- Provide an expansion loop at pressure supply line angle fittings, every electric control valve location (in valve box), and at minimum 500 feet intervals. From expansion loop by wrapping wire at least 8 times around an inch pipe and with drawing pipe.
- Make splices and electric control valve connections using Rainbird Pentite connectors or similar dry splice method.
- Install control wire splices not occurring at control valve in a separate splice valve box.
- Install one control wire for each control valve.
- Run 2 spare #14-1 control wires from controller pedestal to last electric control valve operated by controller on each and every leg of pressure supply line. Label spare wires at controller and wire stub box. Loop a minimum at 24 inches from all spare wires inside every control valve box operated by controller.
- Run all future control wires from controller pedestal to point indicated on drawings. Coil a minimum of ten (10) feet at termination and install in 10 inch round valve box. Label all wires at termination.

2. High Voltage Wiring for Automatic Controller:

- Provide 120 volt power connection to automatic controller.

Automatic Controller:

- Install controller in accordance with manufacturers instructions as detailed and where shown on Drawings.
- Connect remote control valves to controller in numerical sequence as shown on Drawings.
- Final location of controller shall be approved by Consultant prior to installation.
- Each controller shall have a dedicated separate ground wire.
- Above ground conduit shall be rigid galvanized with appropriate fittings. Below ground conduit shall be Schedule 40 PVC.

Quick Coupling Valves:

Install quick couplers on double swing-joint assemblies of Schedule 80 PVC pipe; flush to grade. Angled nipple relative to pressure supply line shall be no more than 45 degrees and no less than 10 degrees. Install quick coupling as detailed.

Drip Valve Assemblies - Install drip valve assembly as detailed.

Drip Emitters - Install drip emitters as detailed.

Valve Boxes:

- Install one valve box for each type of valve installed as detailed, flush with grade for all sodded areas and above grade for all planted areas.
- Valve box extensions are not acceptable except for master valve.
- Install gravel sump after compaction of all trenches. Valve box to rest on gravel sump. Place final portion of gravel inside valve box after valve box is backfilled and compacted.
- Brand all valve box lids. Letter and number size shall be no smaller than 1 inch and no greater in size than 1- inches. Depth of branding shall be no more than 1/8 inch into valve box lid as follows:
 - Control valves - Brand controller letter and station number on lid of each control valve box.
 - Quick Coupling Valves - Brand quick coupling valve box lids with letter Q.C.
 - Wire Splices - Brand all wire splice box lids with letters W.S.
 - Drip Tubing Blow-out Stubs - Brand controller letter and station number on lid of each drip tubing blow-out box lid.

Backflow Preventer - Install as detailed Drawings.

Control Wiring:

- All control wiring to be laid to bottom and side of pressure supply line trench. Separate wire trenches will not be allowed unless approved by Consultant prior to installation.

Backfilling - Do not begin backfilling operation until required system tests have been completed. Backfill shall not be done in freezing weather except with prior approval by Consultant. Leave trenches slightly mounded to allow for settlement after backfilling is completed. Trenches shall be finish graded prior to walk-through of system by Consultant.

- All pressure supply lines shall be bedded with construction grade sand 4 inches below invert of pipe, to 6 inches above top of pipe and width of trench when site conditions are rocky or otherwise unfavorable.

- Materials - Excavated material is generally considered satisfactory for backfill purposes after completing bedding requirements. Backfill material shall be free of rubbish, vegetable matter, frozen materials, and stones larger than 2 inches in maximum dimension. Do not mix subsoil with topsoil. Material not suitable for backfill shall be hauled away. Contractor shall be responsible for providing suitable backfill if excavated material is unacceptable or not sufficient to meet backfill, compaction, and final grade requirements.

- Do not leave trenches open for a period of more than 48 hours. Open excavations shall be protected in accordance with OSHA regulations.
- Compact backfill to 90% maximum density in 6 lifts, determined in accordance with ASTM D155-7 utilizing the following methods:

- Mechanical tamping.
- Puddling or ponding. Puddling or ponding and/or jetting is prohibited within 10'-0" of building or foundation walls.

Piping Under Paving:

- Provide for a minimum cover of 24 inches between the top of the pipe and the bottom of the aggregate base for all pressure and non-pressure piping installed under asphalt concrete or concrete paving.
- Piping shall be bedded with construction grade sand or squeegee - 6 inches below pipe to 6 inches above pipe and width of excavation.

3.03 INSTALLATION (CONT.)

- Compact backfill material in 6 inch lifts at 95% maximum density determined in accordance with ASTM D1557 using manual or mechanical tamping devices.
- Set in place, cap, and pressure test all piping under paving, in presence of Consultant or Owner prior to backfilling and paving operations.
- Piping under existing walk or concrete pavement shall be done by jacking, boring, or hydraulic driving, but where cutting or breaking of walks and/or concrete is necessary, it shall be done and replaced at no cost to Owner. Obtain permission and prior approval to cut or break walks and/or concrete from Owner.

3.04 FIELD QUALITY CONTROL

Flushing - After piping, risers, and valves are in place and connected, but prior to installation of sprinkler heads, quick coupling valves, and air release valves, thoroughly flush piping system under full head of water pressure from dead end fittings. Maintain flushing for 5 minutes through furthest valves. Cap riser after flushing.

Testing - Conduct tests in presence of Consultant. Arrange for presence of Consultant a minimum of 48 hours in advance of testing. Supply force pump and all other test equipment.

- After backfilling, and installation of all control valves, quick coupling valves, fill pressure supply line with water, and pressurize to 40 PSI over the designated static pressure or 120 PSI, whichever is greater, for a period of 2 hours.
- Leakage, Pressure Loss - Test is acceptable if no leakage or loss of pressure is evident during test period.
- Leaks - Detect and repair leaks.
- Retest system until pressure can be maintained for duration of test.
- Before final acceptance, pressure supply line shall remain under pressure for a period of 48 hours.

Walk Through for Substantial Completion:

- Arrange for Consultants presence a minimum of 48 hours in advance of walk-through.
- Entire System shall be completely installed and operational prior to scheduling of walk-through. All sodded areas are to be complete with head height and valve boxes adjusted accordingly.
- Operate each zone in its entirety for Consultant at time of walk through and open all valve boxes.
- Consultant shall generate a list of items to be corrected prior to Final Completion.
- Furnish all materials and perform all Work required to correct all inadequacies due to deviations from Contract Documents, and as directed by Consultant.
- During walk-through, expose all drip emitters under operations for observation by Consultant to demonstrate that they are performing and installed as designed; prior to placing of all much material. Schedule separate walk-through if necessary.

Walk-Through for Final Completion:

- Arrange for Consultants presence a minimum of 48 hours in advance of walk through.
- Show evidence to Consultant that Owner has received all accessories, charts, record drawings, and equipment as required before Final Completion walk-through is scheduled.
- Operate each zone identified as deficient at substantial completion walk-through for Consultant at time of final completion walk-through to ensure correction of all incomplete items.
- Items deemed not acceptable by Consultant shall be reworked to complete satisfaction of Consultant.
- If after request to Consultant for walk-through for Final Completion of irrigation system, Consultant finds items during walk through, Contractor shall be charged for all subsequent walk-throughs. Funds will be withheld from final payment and/or retained to Contractor, in amount equal to additional time and expenses required by Consultant to conduct and document further walk-through as deemed necessary to ensure compliance with Contract Documents.

3.05 ADJUSTING

Upon substantial completion of installation, fine-tune entire system by regulating valves, adjusting patterns and break-up arms/screws, and setting pressure reducing valves or throttling control valve flow controls at proper pressure to provide optimum and efficient coverage. Flush and adjust all sprinkler heads for optimum performance and to prevent overspray onto walks, roadways, and buildings as much as possible. Heads of same type shall be operating at same pressure +/- 7%.

If it is determined that irrigation adjustments will provide proper and more adequate coverage, make such adjustments prior to Final Acceptance, as directed, at no additional cost to Owner. Adjustments may also include changes in nozzle sizes, degrees of arc, and control valve throttling.

All sprinkler heads shall be set perpendicular to finish grade unless otherwise designated.

Areas which do not conform to designated operation requirements due to unauthorized changes or poor installation practices shall be immediately corrected at no additional cost to the Owner.

3.06 CLEANING

Maintaining continuous cleaning operation throughout duration of Work. Dispose of off-site at no additional cost to Owner, all trash or debris generated by installation of irrigation system.



CASKEY RESIDENCE

7602 N. Moonlight Lane
Paradise Valley, AZ 85253



project #:
DDA008

scale:
NA

issued for:
Hillside Submittal

drawn by:
TEAM

date:
08/18/22

drawing:
Irrigation Specifications

L8.1

of