

ABBREVIATIONS		UTILITIES	
B.C.	BRASS CAP	EX.	EXISTING
H.H.	HANDHOLE	P.U.E.	PUBLIC UTILITY
L.S.	LAND SURVEYOR		EASEMENT
SEC.	SECTION	P	PAVING
W	WATER	F.G.	FINISH GRADE
C.O.	CLEAN OUT	EX. G.	EXISTING GRADE
E.M.	ELECTRIC METER	S	SEWER
CONC.	CONCRETE	B.S.B.	BUILDING SETBACK
PLTR	PLANTER	R/W	RIGHT OF WAY
C/L	CHAIN LINK	M.A.S.	MASONRY
E.	ELECTRIC	L.D.S.C.P.E.	LANDSCAPE
T/W	TOP OF WALL	A/C	AIR CONDITIONER
		S.D.	STORM DRAIN

UTILITIES	
ELECTRIC:	A.P.S.
GAS	S.W.GAS CO.
WATER	PHOENIX
SEWER	PARADISE VALLEY
TELEPHONE	QWEST
CABLE	COX COMM



- SITE PLAN NOTES**
- (A) THE EXISTING DRIVEWAY ON LOT 66 SHALL BE USED AS THE INGRESS/EGRESS EASEMENT FOR THE 8002 N. 47TH STREET PROPERTY. A NEW EASEMENT WILL BE CREATED AND RECORDED FOR A PERMANENT RECORD OF THAT ACCESS WAY FOR THE 8002 N. 47TH STREET SITE.
 - (B) SEE THE EX. LANDSCAPE REVEGETATION PLANS FOR THE INSTALLATION OF THE NEW PLANTS WITHIN THE EXISTING DISTURBED AREAS OF THE SITE.
 - (C) INSTALL NEW STONE AND MORTAR WALLS AS INDICATED ON THE PLAN FOR THE CREATION OF THE NEW SHALLOW STORM WATER RETENTION BASINS ON THIS SITE. THE PURPOSE OF THE BASINS IS TO MEET OR EXCEED THE PARADISE VALLEY HILLSIDE REQUIREMENTS FOR STORM WATER RETENTION. SEE DETAIL "A" ON SHEET G2 THAT SHOWS A TYPICAL BASIN CONFIGURATION.
 - (D) THE EXISTING LOWER MASONRY RETAINING WALLS ARE RAISED TO PROVIDE A 12" DEPTH OF RETENTION WATER IN THE NEW BASIN.
 - (E) THE EXISTING MASONRY RETAINING WALLS WILL BE USED IN PLACE TO PROVIDE ONE SIDE OF THE BASIN FOR THE RETENTION WATER.
 - (F) THE EX. MASONRY RETAIN'G WALLS SHALL REMAIN IN PLACE.

DISTURBED AREA CALCULATIONS

NET AREA OF LOT:	90,956 SQ.FT. (2.088062 ACRES)
AREA UNDER ROOF:	14,445 SQ.FT.
FLOOR AREA RATIO:	15.88 % (ROOF AREA/LOT AREA)
EXISTING DISTURBED AREA =	40,053 SQ.FT.

RECAP OF SITE DISTURBANCE:
 NET AREA OF LOT= 90,956 SQ.FT.
 LIVABLE BLDG FOOTPRINT AREA = 8,125 SQ.FT.
 GARAGE FOOTPRINT = 977 + 713 = 1,690 SQ.FT.
 EX. DECORATIVE DRIVEWAY = 7,461 SQ.FT.

NET PROPOSED DISTURBED AREA = 25,479 SQ.FT.

DRAINAGE STATEMENT

THE DRIVEWAY ON THE NORTH PARCEL WILL REMAIN IN USE. NO PHYSICAL CHANGES WILL BE MADE ON THAT PARCEL, OTHER THAN THE ADDITION OF THE FRENCH DRAIN. HISTORICALLY ALL OF THE NORTH PARCEL DRAINAGE FLOWS EASTWARD TOWARD 47TH STREET WITH A PORTION OF THE RUNOFF BEING CONTAINED IN A WASH ON THAT PARCEL. THAT EXISTING WASH DRAINS INTO AN UNDERGROUND 24" DIAMETER PIPE CULVERT THAT GOES UNDER THE 47TH STREET CURBING AND PAVEMENT TO EXIT IN AN EASEMENT ON THE EAST SIDE OF 47TH STREET.

THE SOUTH TWO ACRE PARCEL HISTORICALLY SLOPES TO 47TH STREET ALSO, BUT THE DEVELOPMENT OF THE RESIDENCE ON THE SITE MANY YEARS AGO DID REDIRECT SOME OF THE SHEET FLOW AND ALSO CREATED SOME MINOR CONCENTRATED FLOWS TOWARD 47TH STREET. THE UPPER PORTION OF THIS HILLSIDE PARCEL ABOVE THE RESIDENCE HAS NOT BEEN DISTURBED OVER THE YEARS AND REMAINS IN ITS HISTORIC CONDITION.

NO STORM WATER RETENTION WAS EVER PREVIOUSLY CONTAINED ON THIS LARGE TWO ACRE HILLSIDE PARCEL. DUE TO THE BUILDING CODE REVISIONS INACTED IN PARADISE VALLEY IN THE LAST FEW YEARS, IT IS NOW NECESSARY TO CREATE STORM WATER RETENTION AREAS ON THE SITE.

A NUMBER OF NEW SHALLOW STORM WATER RETEN. BASINS WILL BE CREATED ON THIS SITE TO COMPLY WITH THE TOWN OF PARADISE VALLEY NEW HILLSIDE RETENTION REQUIREMENTS. DUE TO THE STEEP SLOPES ON THE EXISTING PARCEL, THE NATURAL STONE AND SOME MORTAR WAS USED TO CREATE SHORT LENGTHS OF RETAINING WALLS IN MULTIPLE PLACES WHICH GENERALLY PARALLELED THE CONTOUR LINES. THE BASIN LOCATIONS DUE REQUIRE SOME REGRADING IN ORDER TO DEVELOPE FLAT BASIN BOTTOMS TO CONTAIN THE STORM WATER ON THE STEEP SLOPES. THE RAIN FALL ON THE SITE WILL PARTIALLY BE CONTAINED IN THE NEW BASINS, BUT THE BALANCE OF THE STORM WATER WILL STILL EXIT THIS SITE ONTO THE 47TH STREET RIGHT OF WAY AS IT HAS HISTORICALLY BEEN DOING. THE CONSTRUCTION OF THE NEW BASINS WILL CONTAIN A PORTION OF THE RAINFALL ON THE SITE. THE EXTREME LOW LOT DRAINAGE OUTFALL IS 1579.1 AT THE NORTHEAST CORNER OF LOT 1 OF TATUM CANYON III.

BUILDING ENVELOPE: 15.51 % SLOPE
 VERTICAL = 21.6 FEET
 HORIZONTAL = 139.3'

SO THE ALLOWABLE DISTURBED AREA = 30.48 %
 ALLOWABLE DISTURBED AREA = 31,025 SQ. FT.
 PER ZONING ORDINANCE SLOPE TABLE 1: USE 30.48 % ALLOWABLE
 NET PROPOSED DISTURBED AREA = 45,225 - 19,746 = 25,479 SQ.FT.
 ALLOWABLE DISTURBED NET SITE IS 30.48% (90,956) = 27,632 SQ.FT.

PERCENT OF LOT STEEPER THAN NATURAL GRADE = 4060 S.F. / 90956 = 4.46 %
 VOLUME OF CUT 88 C.Y. VOLUME OF FILL 120 C.Y.
 HILLSIDE ASSURANCE @ \$ 25 /CU.YD. OF CUT + FILL = 88 + 120 = 208 CU.YD (\$) = \$ 5,200

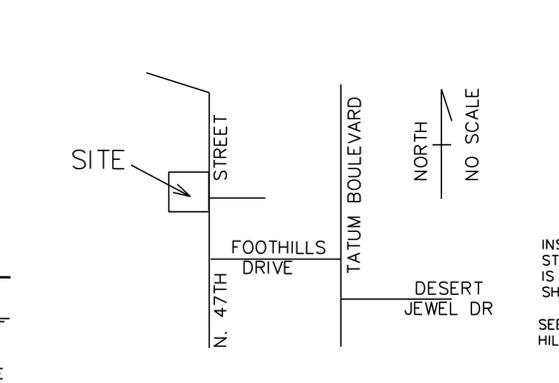
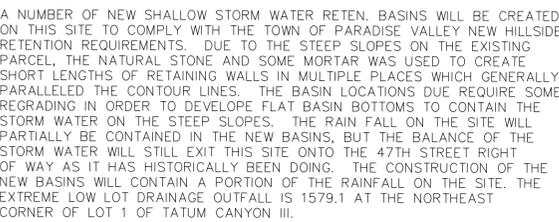
PROJECT NARRATIVE

THIS SITE CURRENTLY CONSISTS OF TWO LARGE PARCELS, EACH OVER AN ACRE IN SIZE WITH HILLSIDE R-43 ZONING IN PARADISE VALLEY. THE SOUTH PARCEL IS LOT 1 OF TATUM CANYON III AND IT HAS A SINGLE FAMILY RESIDENCE. THE RESIDENCE HAS BEEN OCCUPIED FOR OVER 40 YEARS BY THE ONE PREVIOUS OWNER. THE NORTH PARCEL IS LOT 66 OF TATUM CANYON AND IT HAS NO BUILDING ON IT, JUST THE ACCESS DRIVEWAY FROM 47TH STREET UP TO THE RESIDENCE.

THE EXISTING HOME WILL BE RENOVATED TO CREATE A MORE UPDATED RESIDENCE, BUT NO STRUCTURAL CHANGES WILL BE DONE TO THE ACTUAL BUILDING. SOME INTERIOR PARTITIONS WILL BE REVISED AND A FEW NEW INTERIOR PARTITIONS WILL BE ADDED. THE EXISTING EXTERIOR RESIDENCE WALLS WILL REMAIN INTACT. NEW ROOFING MATERIALS WILL BE INSTALLED, AN UNROOFED PORTION OF THE SOUTH PATIO WILL BE EXTENDED SOUTH A FEW FEET OUT TOWARD THE POOL. THE POOL WILL BE REPLASTERED AND THE DIVING BOARD WILL BE REMOVED. THE EXISTING SIX FEET HIGH SOUTH WALL OF THE POOL AREA WILL BE LOWERED IN SOME AREAS TO PROVIDE A CLEAR VIEW TO THE SOUTH.

THERE WILL BE EXTENSIVE SITE LANDSCAPING RENOVATIONS ON THE UPPER AREAS AROUND THE EXISTING RESIDENCE. DEAD TREES WILL BE REMOVED AND NEW TREES WILL BE INSTALLED. A NUMBER OF NEW PLANTS AND SHRUBS WILL BE ADDED TO ENHANCE THE SITE APPEARANCE.

THE CHANGES LISTED ABOVE WILL ALL OCCUR ON THE SOUTH TWO ACRE PARCEL. THE ONLY CHANGE BEING MADE ON THE NORTH LOT 66 ONE ACRE PARCEL WILL BE THE ADDITION OF A TRENCH DRAIN IN THE EXISTING ACCESS DRIVEWAY PAVEMENT ABOUT 20 FEET UP FROM 47TH STREET. THAT DRAIN IS BEING ADDED AT THE REQUEST OF THE P.V. ENGINEERING DEPT.



NOTES: THE MAX. LENGTH OF RETAINING WALLS VISIBLE FROM ANY ONE LOCATION IS 71 FEET. (THE SOUTHEAST EXTERIOR POOL WALL.) ANY NEW EXPOSED CUTS SHALL BE STAINED TO BLEND IN WITH THE SURROUNDING HILLSIDE.

SITE PLAN RETAINING WALL DATA

NO. OF RETAINING WALLS:	19 EX. + 7 NEW = 26
(6 TALL EXISTING AND 13 SHORT EX.) (7 SHORT NEW)	
TOTAL LENGTH OF EX. TALL RETAINING WALLS =	284 LF
TOTAL LENGTH OF EX. SHORT RETAINING WALLS =	489 LF
TOTAL LENGTH OF NEW TALL RETAINING WALLS =	0 LF
TOTAL LENGTH OF NEW SHORT RET'G WALLS =	331 LF
MAXIMUM HEIGHT OF RET'G WALLS =	8' (EXISTING)
MAX. CONTIN. LENGTH OF RET'G WALLS	92 FT
MAX. LENGTH OF RET'G WALLS	92 FT
VISIBLE FROM ANY SINGLE POINT =	92 FT
SLOPE OF DRIVEWAY =	14 % MAX.
DRIVEWAY CUT OVER 8 FT/100 FT =	0
MAX. DRIVEWAY WIDTH =	18'
NO HALF STREET R/W IMPROVEMENTS	

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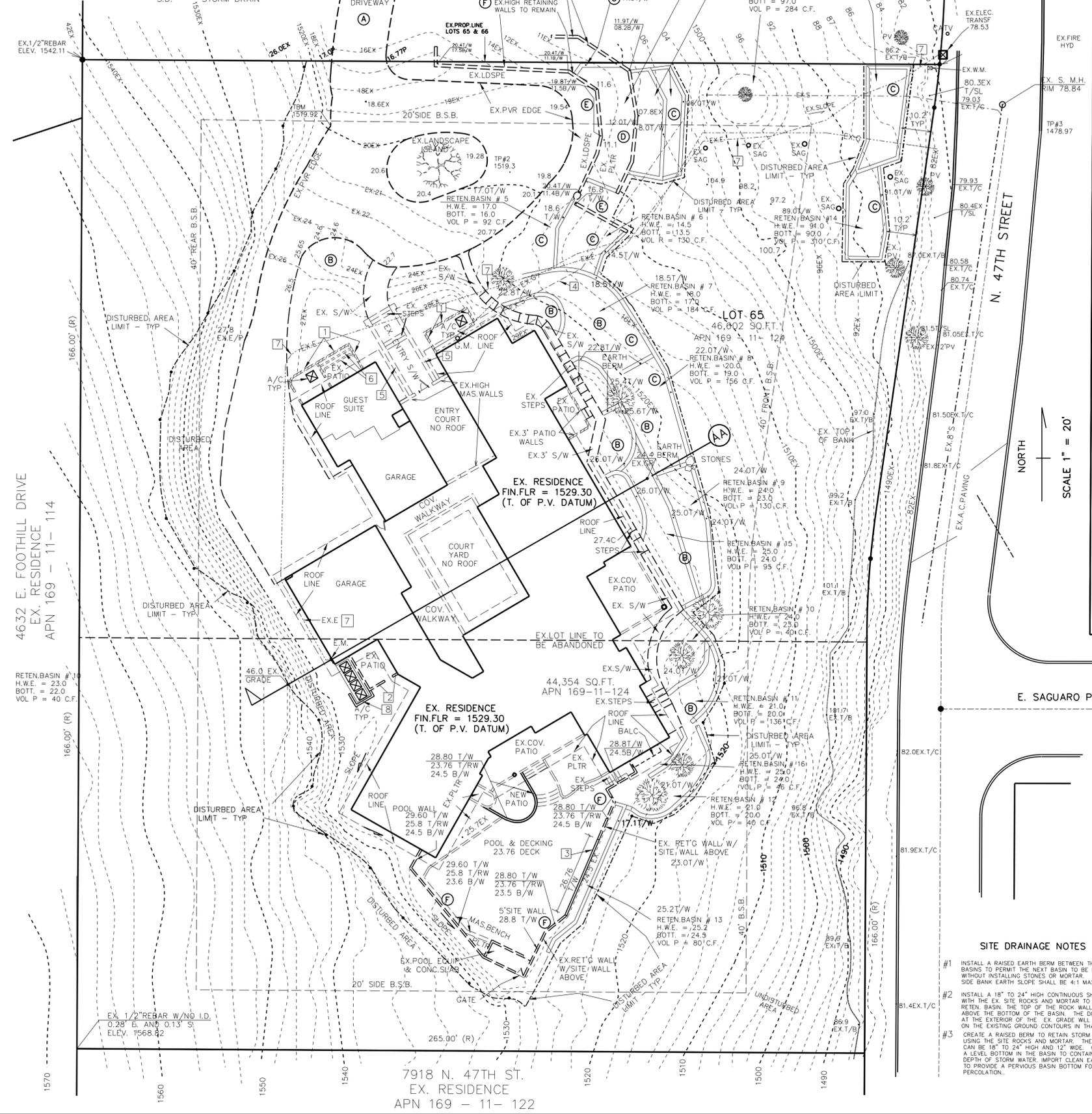


HILLSIDE GRADING & DRAINAGE
 PLANS & SITE PLAN
 TATUM CANYON III LOT 1
 EX. RESIDENCE
 8002 N. 47TH STREET

SHEET G1

ABBREVIATIONS		UTILITIES	
B.C.	BRASS CAP	EX.	ELECTRIC
H.H.	HANDHOLE	P.U.E.	PUBLIC UTILITY
L.S.	LAND SURVEYOR	E	EASEMENT
SEC.	SECTION	P	PAVING
W	WATER	F.C.	FINISH GRADE
C.O.	CLEAN OUT	EX. G.	EXISTING GRADE
E.M.	ELECTRIC METER	S	SEWER
CONC.	CONCRETE	W	WATER
PLTR	PLANTER	B.S.B.	BUILDING SETBACK
C/L	CHAIN LINK	R/W	RIGHT OF WAY
E	ELECTRIC	MAS.	MASONRY
T/W	TOP OF WALL	LDSCLPE	LANDSCAPE
		A/C	AIR CONDITIONER
		S.D.	STORM DRAIN

UTILITIES	
A.P.S.	S.W.GAS CO.
GAS	PHOENIX PARADISE VALLEY
WATER	QUEST
SEWER	COX COMM
TELEPHONE	
CABLE	



STORM WATER RETENTION CALCULATIONS

USE "PRE" VERSUS "POST" METHOD TO DETERMINE THE VOLUME REQUIRED TO BE RETAINED ON THE THIS TOTAL SITE.

NET AREA OF THE TOTAL COMBINED TWO LOTS = 90,956 SQ.F.T. = 2.088062 ACRES

"PRE" VOLUME ON UNDISTURBED LOT = $C \cdot I \cdot A / 12 = 0.7 (2.2') (90,956) / 12 = 11,673 \text{ C.F.}$

"POST" VOLUME REQUIRED ON THE DISTURBED LOT, WHICH INCLUDES THE TOTAL AREA OF DISTURBANCE ON THE SITE.

USE C COEFF = 0.95 ON ALL NON POROUS AREAS, WHICH IS ROOFED AREAS, DRIVEWAYS, PATIOS COURTYARDS, SIDEWALKS, POOL & DECKING, PLTRS PLUS DISTURBED AREAS THAT WERE REGRADED.

POST VOLUME AS A RESULT OF THE SITE DISTURBANCE = $C \cdot I \cdot A / 12 = 0.95 (2.2') (24,308 \text{ C.F.}) / 12 = 4,234 \text{ C.F.}$

POST VOLUME ON THE ORIGINAL SITE AREA UNDISTURBED = $C \cdot I \cdot A / 12 = (90,956 - 24,308) 2.2' (0.7) / 12 = 4,703 \text{ C.F.}$

8,937 C.F.

POST VS PRE VOLUME REQUIRED = 11,673 - 8,937 = 2,736 C.F.

"POST" VS "PRE" CONTROLS, IT IS LARGER

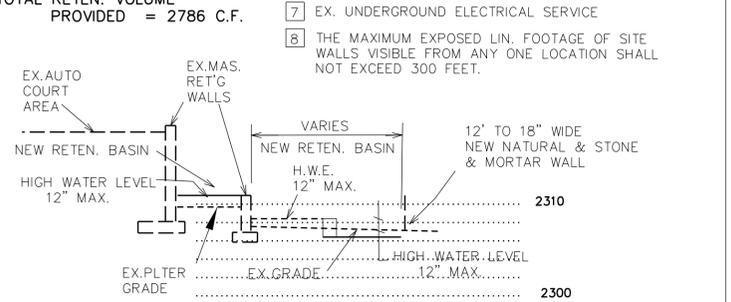
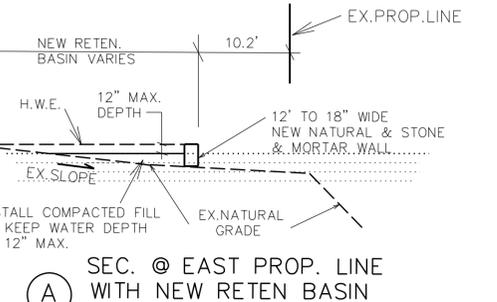
THEN TOTAL RETEN. VOLUME REQUIRED = 2,736 C.F.

NORTH DRAINAGE ZONE		SOUTH DRAINAGE ZONE	
NET SITE AREA = 68,554 SQ.F.T.	RETEN. REQUIRED: = 68,554/90,956 = 75.37 %	NET SITE AREA = 25,532 SQ.F.T.	RETEN. REQUIRED: = 22,402/90,956 = 24.63 %
	SO, 75.37 % OF 2,736 = 2,062 C.F. IN NORTH ZONE		SO, 24.63 % OF 2,736 = 674 C.F. IN SOUTH ZONE

RETEN. BASIN #1	RETEN. BASIN #5	RETEN. BASIN #8	RETEN. BASIN #11	RETEN. BASIN #14	RETEN. BASIN #15
H.W.E. = 11.90 BOTT. = 10.90 VOL P = 115 C.F.	H.W.E. = 17.0 BOTT. = 16.0 VOL P = 130 C.F.	H.W.E. = 20.0 BOTT. = 19.0 VOL P = 156 C.F.	H.W.E. = 23.0 BOTT. = 20.0 VOL P = 92 C.F.	H.W.E. = 21.0 BOTT. = 20.0 VOL P = 136 C.F.	H.W.E. = 23.0 BOTT. = 22.0 VOL P = 40 C.F.
H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.	H.W.E. = 16.0 BOTT. = 15.0 VOL P = 130 C.F.	H.W.E. = 16.0 BOTT. = 15.0 VOL P = 130 C.F.	H.W.E. = 17.0 BOTT. = 16.0 VOL P = 130 C.F.	H.W.E. = 18.0 BOTT. = 17.0 VOL P = 184 C.F.	H.W.E. = 18.0 BOTT. = 17.0 VOL P = 184 C.F.
H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.	H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.	H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.	H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.	H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.	H.W.E. = 08.0 & 6.0 BOTT. = 07.0 & 5.0 VOL P = 380 C.F.
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KEY NOTES ON GRADING PLAN

- EX. 6' MAS. SCREEN WALLS TO REMAIN
- EX. 5' MAS. SCREEN WALLS TO BE REMOVED.
- EX. POOL WALL TO BE LOWERED TO 3.0' HGT.
- EX. SEWER LATERAL
- EX. 32" HIGH ENTRY WALLS TO REMAIN
- EX. PLANTER WALLS TO REMAIN
- EX. UNDERGROUND ELECTRICAL SERVICE
- THE MAXIMUM EXPOSED LIN. FOOTAGE OF SITE WALLS VISIBLE FROM ANY ONE LOCATION SHALL NOT EXCEED 300 FEET.



PARADISE VALLEY GENERAL NOTES

- PRIOR TO THE FIRST INSPECTION OF STRUCTURES WITHIN 3 FEET OF A SETBACK LINE, THE PROPERTY PINS SHALL BE PLACED BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR OF THE STATE OF ARIZONA, AND THE PROPERTY LINES IDENTIFIED.
- WHERE EXCAVATION IS TO OCCUR THE TOP 4" OF EXCAVATED NATIVE SOIL SHALL REMAIN ON THE SITE AND SHALL BE REUSED IN A MANNER THAT TAKES ADVANTAGE OF THE NATURAL SOIL SIEDE BANK IT CONTAINS.
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE LOCAL MUNICIPALITY UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
- ALL EXTERIOR SITE LIGHTING SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS FOR TYPE, LOCATION, HEIGHT, WATTAGE, AND LUMEN BASED UPON THE FIXTURES INSTALLED PURSUANT TO SECTION 1023 OF THE TOWN OF PARADISE VALLEY ZONING ORDINANCE FOR NON-HILLSIDE PROPERTIES, SECTION 2208 OF THE TOWN OF PARADISE VALLEY ZONING ORDINANCE FOR HILLSIDE PROPERTIES, OR AS SPECIFIED IN THE SPECIAL USE PERMIT FOR SPECIAL USE PERMIT PROPERTIES.
- A DUST CONTROL PLAN AND PERMIT MEETING REQUIREMENTS OF RULE 310 OF THE MARICOPA COUNTY AIR POLLUTION CONTROL REGULATIONS, AS AMENDED, IS REQUIRED.
- A SEPARATE RIGHT OF WAY PERMIT IS NECESSARY FOR ANY OFF-SITE CONSTRUCTION.
- AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
- ALL PROJECTIONS TO REQUIRED SETBACKS ARE LIMITED TO A MAXIMUM OF 24" PURSUANT TO SECTION 1008 OF THE TOWN OF PARADISE VALLEY ZONING ORDINANCES.
- ALL STRUCTURES AND LANDSCAPING WITHIN THE SIGHT VISIBILITY TRIANGLE SHALL HAVE A 2 FOOT MAXIMUM HEIGHT.
- ALL NEW AND EXISTING ELECTRICAL SERVICE LINES SHALL BE BURIED PER THE TOWN OF PARADISE VALLEY REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO ARRANGE FOR THE RELOCATION AND RELOCATION COSTS OF ALL UTILITIES, AND TO SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF AN ENGINEERING CONSTRUCTION PERMIT.
- EXISTING AND/OR NEW UTILITY CABINETS AND PEDESTALS SHALL BE LOCATED A MINIMUM OF 4 FEET BEHIND ULTIMATE BACK OF CURB LOCATION.
- POOL, SPA BARBECUE AND ANY PROPOSED STRUCTURES OVER 8" ABOVE GRADE REQUIRE A SEPARATE PERMIT APPLICATIONS.
- POOLS SHALL BE CONSTRUCTED BY SEPARATE PERMIT AND SECURE FROM UNWANTED ACCESS PER TOWN CODE, ARTICLE 5-2.
- ALL FILL MATERIAL UNDER SLABS & WALKS SHALL BE COMPACTED TO NOT LESS THAN 95% SETBACK CERTIFICATION IS REQUIRED AND SHALL BE PROVIDED TO TOWN INSPECTOR PRIOR TO STEM WALL INSPECTION.
- FOR BUILDING PADS THAT HAVE 1' OR MORE OF FILL MATERIAL, SOILS CONSTRUCTION TEST RESULTS ARE REQUIRED AND SHALL BE PROVIDED TO TOWN INSPECTOR PRIOR TO PRE-SLAB INSPECTION.
- FINISHED FLOOR ELEVATION CERTIFICATION IS REQUIRED AND SHALL BE PROVIDED TO TOWN INSPECTOR PRIOR TO FRAMING INSPECTION.

PARADISE VALLEY HILLSIDE NOTES

- NO CERTIFICATE OF OCCUPANCY SHALL BE ISSUED UNTIL ALL HILLSIDE STIPULATIONS AND ALL TOWN REQUIREMENTS HAVE BEEN COMPLIED INCLUDING, BUT NOT LIMITED TO LANDSCAPING, GROUND RESTORATION, FIRE FLOW, FIRE SAFETY AND ALL ONSITE AND OFF-SITE IMPROVEMENTS.
- ALL OUTDOOR LIGHTING SHALL BE IN CONFORMANCE WITH ORDINANCE XXII OF THE TOWN ZONING ORDINANCE.
- ALL EXCESS FILL MATERIAL SHALL BE REMOVED FROM THE SITE WITH NO NEW SPILL SLOPES.
- THE USE OF HYDRAULIC RAM HAMMERS OR OTHER HEAVY EQUIPMENT USED TO CUT THROUGH ROCK, INCLUDING MACHINERY WITH AUDIBLE BACK UP WARNING DEVICES SHALL BE LIMITED TO USE BETWEEN THE HOURS OF 7 A.M OR SUNRISE, WHICHEVER IS LATER, AND 6 P.M. OR SUNSET, WHICHEVER IS EARLIER, MONDAY THROUGH FRIDAY WITH LIMITED WORK HOURS ON SATURDAY WITH NO WORK ON SUNDAY OR LEGAL HOLIDAYS. RAM HAMMERS OR OTHER HEAVY EQUIPMENT CANNOT BE USED ON SATURDAYS WITHOUT A WAIVER FROM THE TOWN MANAGER.
- CONSTRUCTION STAKING OR FENCING SHALL BE PLACED AROUND THE SITE SO AS TO PROTECT THE UNDISTURBED NATURAL AREA.

SITE DRAINAGE NOTES

- INSTALL A RAISED EARTH BERM BETWEEN THE RETEN. BASINS TO PERMIT THE NEXT BASIN TO BE LOWER WITHOUT INSTALLING STONES OR MORTAR. THE SIDE BANK EARTH SLOPE SHALL BE 4:1 MAXIMUM.
- INSTALL A 18" TO 24" HIGH CONTINUOUS SHORT BERM WITH THE EX. SITE ROCKS AND MORTAR TO CREATE THE RETEN. BASIN. THE TOP OF THE ROCK WALL SHALL BE 12" ABOVE THE BOTTOM OF THE BASIN. THE DISTANCE DOWN AT THE EXTERIOR OF THE EX. GRADE WILL VARY BASES ON THE EXISTING GROUND CONTOURS IN THAT AREA.
- CREATE A RAISED BERM TO RETAIN STORM WATER USING THE SITE ROCKS AND MORTAR. THE BERM CAN BE 18" TO 24" HIGH AND 12" WIDE. CREATE A LEVEL BOTTOM IN THE BASIN TO CONTAIN 12" DEPTH OF STORM WATER. IMPORT CLEAN EARTH FILL TO PROVIDE A PERVIOUS BASIN BOTTOM FOR PERCOLATION.

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REG. EXP. 6-30-22

HILLSIDE GRADING & DRAINAGE PLANS & SITE PLAN
TATUM CANYON III LOT 1
EX. RESIDENCE
8002 N. 47TH STREET

SHEET G2