

GRADING & DRAINAGE NOTES:

- 1. A GRADING PERMIT IS REQUIRED UNDER CHAPTER 32A OF THE PARADISE VALLEY CITY CODE.
- 2. HAUL PERMITS, WHEN REQUIRED, MUST BE OBTAINED PRIOR TO OR CONCURRENTLY WITH THE GRADING AND DRAINAGE PERMIT.
- 3. EXCAVATING CONTRACTOR MUST GIVE LOCATION FOR WASTING EXCESS EXCAVATION AND A LETTER FROM OWNER GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ON-SITE CONSTRUCTION. IF EXCESS EXCAVATION EXCEEDS 100 CUBIC YARDS, THE DISPOSAL SITE WILL ALSO REQUIRE A GRADING AND DRAINAGE PERMIT.
- 4. DEVELOPMENT SERVICES DEPARTMENT'S FIELD INSPECTION GROUP(262-6931) SHALL BE NOTIFIED 48 HOURS BEFORE ANY ON-SITE CONSTRUCTION BEGINS.
- 5. MINIMUM FINISH FLOOR ELEVATIONS SHOWN ARE SAFE FROM THE 100 YEAR FLOOD OR PER MINIMUM SPECIFIED IN THE CITY OF PARADISE VALLEY DRAINAGE DESIGN MANUAL, WHICHEVER IS GREATER.
- 6. STAKING FINISH FLOOR ELEVATIONS IS THE RESPONSIBILITY OF THE OWNER AND HIS ENGINEER. GRAHAM SURVEYING & ENGINEERING, INC., 7406 E NONCHALANT AVE., CAREFREE, ARIZONA, 85377, (480)488-4393, SHALL SUBMIT ONE SEALED COPY OF THE GRADING AND DRAINAGE PLAN DESIGNATED AS "RECORD DRAWING" (BEARING AN ORIGINAL SIGNATURE) OR ONE COPY OF A CERTIFICATION LETTER OF CONSTRUCTED BUILDING FLOOR ELEVATIONS PRIOR TO THE REQUEST FOR FINAL INSPECTION.
- 7. A SEPARATE PERMIT IS REQUIRED FOR ANY OFF SITE CONSTRUCTION.
- 8. 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.
- 9. DRYWELLS, WHEN REQUIRED, MUST BE DRILLED A MINIMUM OF 10 FEET INTO PERMEABLE POROUS STRATA OR PERCOLATION TESTS WILL BE REQUIRED. THE GRADING AND DRAINAGE INSPECTOR MUST BE PRESENT BEFORE BACKFILL OR WELL PIPES ARE PLACED WITHIN ANY DRYWELLS.
- 10. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR REGISTERING THE DRYWELLS SHOWN ON THE PLAN WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (A.D.E.Q.). FOR INFORMATION ABOUT SPECIFIC REQUIREMENTS, CONTACT THE WATER PERMITS UNIT (257 - 2270)
- 11. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES THE CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED PLAN, INCLUDING, BUT NOT LIMITED TO, RETENTION AREAS, SEDIMENTATION BASINS AND/OR OTHER DRAINAGE FACILITIES. DRAINAGE PATTERNS, WALLS, CURBS, ASPHALT PAVEMENT, AND BUILDING FLOOR ELEVATIONS.
- 12.CONTRACTOR SHALL PROVIDE LEVEL BOTTOM IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. SLOPE PROTECTION SHALL BE APPLIED TO PREVENT EROSION.
- 13. GRADES SHOWN IN RETENTION BASINS ARE DESIGN FINISHED GRADES. SHOULD THE CONTRACTOR OR ANY SUB-CONTRACTOR PLAN TO PLACE SPOIL DIRT FROM FOOTINGS, UTILITY TRENCHES, LANDSCAPING, SWIMMING POOLS, ETC. IN THE BASIN, THEN THE BASINS SHOULD BE SUFFICIENTLY OVER-EXCAVATED DURING THE ROUGH GRADING OPERATION TO ALLOW FOR THE PLACEMENT OF THE FILL OR LANDSCAPING MATERIALS.
- 14. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTHS OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED AS PER PLAN BECAUSE OF CONFLICTS, THE CONTRACTOR SHOULD REQUEST MODIFICATION OF BASIN CONFIGURATION WITH THE CITY INSPECTOR TO DETERMINE IF A PLAN REVISION OR FIELD CHANGE IS REQUIRED.
- 15. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTOR DITCHES, PIPES, PROTECTIVE BERM, BARRIER WALLS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT ADJACENT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO BUILDING CONSTRUCTION.
- 16. ALL KNOWN EXISTING UNDERGROUND UTILITIES WITHIN PROPOSED RETENTION AREAS HAVE BEEN DESIGNED TO MAINTAIN 15" OF COVER OVER CITY OWNED UTILITY LINES AND THE MINIMUM SPECIFIED BY OTHER UTILITY OWNERS.
- 17. REQUIRED RETAINING WALLS SHOWN ON THE GRADING AND DRAINAGE PLANS ARE TO BE REVIEWED, PERMITTED, AND INSPECTED BY THE BUILDING SAFETY BRANCH OF THE DEVELOPMENT SERVICES DEPARTMENT.
- 18. CERTIFICATE OF OCCUPANCY (C. of O.) FOR ANY BUILDING IS DENIED UNTIL ALL GRADING AND DRAINAGE IMPROVEMENTS ARE COMPLETED.
- 19. APPROVAL OF THESE PLANS SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
- 20. RETENTION BASIN SIDE SLOPES SHALL BE A MAXIMUM OF 4:1 UNLESS APPROVAL IS RECEIVED FROM THE PLAN REVIEWER FOR A STEEPER SLOPE.
- 21. CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE LATEST APPLICABLE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS AND THE LATEST CITY OF PARADISE VALLEY SUPPLEMENTALS TO THE MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS.
- 22.PLAN APPROVAL IS VALID FOR TWELVE (12) MONTHS, IF APPROVAL EXPIRES, THE PLANS MUST BE RESUBMITTED FOR CITY UPDATE REVIEW AND APPROVAL
- 23.COMPACTION SHALL COMPLY WITH MAG SECTION 601.4.4
- 24.OBSTRUCTIONS TO PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY SHALL BE REMOVED OR RELOCATED BEFORE BEGINNING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- 25. THE ACTUAL POINT OF PAVEMENT MATCHING AND OR TERMINATION SHALL BE DETERMINED IN THE FIELD BY THE CITY OF PARADISE VALLEY, DEVELOPMENT SERVICES DEPARTMENT FIELD INSPECTOR.
- 26.TREES AND SHRUBBERY IN THE RIGHT-OF-WAY THAT CONFLICT WITH PROPOSED IMPROVEMENTS SHALL NOT BE REMOVED WITHOUT APPROVAL OF THE CITY LANDSCAPE ARCHITECT OR HIS ASSIGNEES. THE PERMITEE SHALL BE RESPONSIBLE FOR OBTAINING AUTHORIZATION TO REMOVE AND/OR RELOCATE SAID TREES OR SHRUBBERY BY CALLING THE DEVELOPMENT SERVICES LANDSCAPE ARCHITECT AT 602-256-4116.
- 27. NO DEVELOPMENT OF PROPERTY SHALL TAKE PLACE UNLESS OR UNTIL THE DEVELOPER OR OWNER CONSTRUCTS EITHER BEFORE, OF SIMULTANEOUSLY WITH DEVELOPMENT, SANITARY SEWER LINES AND A CONNECTION TO PRIVATE WASTEWATER TREATMENT OR TOWN SANITARY SEWER- IF COST IS 10% OR LESS OR TOTAL IMPROVEMENTS. AT THE DISCRETION OF THE TOWN MANAGER, THE TOWN MAY ACCEPT CASH OR OTHER GUARANTEE IN LIEU OF CONSTRUCTION AT THE TIME OF DEVELOPMENT.
- 28. WHERE EXCAVATION IS TO OCCUR THE TOP FOUR INCHES OF EXCAVATED NATIVE SOIL SHALL REMAIN ON THE SITE AND SHALL BE REUSED IN A MANNER THAT TAKES ADVANTAGE OF THE NATURAL SOIL SEED BANK IT CONTAINS.
- 29. PRIOR TO FIRST FOOTING INSPECTION OF ANY TYPE OWNER SHALL HIRE A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA TO SET ALL PROPERTY PINS, AND PROPERTY LINES MUST BE PHYSICALLY IDENTIFIED PRIOR TO INSPECTION.
- 30. EFFECTIVE JANUARY 5, 1991, POOL ENCLOSURES SHALL COMPLY WITH SECTION 5-11-1 OF THE TOWN CODE OF ORDINANCES.
- 31. WALL, FIREPLACES AND WATER FEATURES REQUIRE SEPARATE PERMITS AND

REVIEW.

CIVIL GRADING & DRAINAGE PLAN

A PORTION OF MARSHMALLOW MOUNTAIN LANDS

RECORDED IN DOCKET 1500, PAGES 183 THROUGH 186 M.C.R. SITUATED IN THE SW 1 OF SECTION 5 TOWNSHIP 2 NORTH, RANGE 4 EAST,

OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PARADISE VALLEY, MARICOPA COUNTY, ARIZONA.

NOTE:

UNLESS OTHERWISE NOTED.

- A. IF A DISCREPANCY IS FOUND BETWEEN ENGINEER'S PLAN OR SURVEYOR'S STAKING AND THE ARCHITECTURAL PLAN, ENGINEER SHALL BE NOTIFIED IMMEDIATELY. FAILURE TO NOTIFY ENGINEER SHALL NEGATE ENGINEER'S LIABILITY.
- B. THIS SITE PLAN IS NOT A BOUNDARY SURVEY. C. ALL BEARINGS AND DISTANCES ARE RECORD PER PLAT
- D. ANY FUTURE IMPROVEMENTS SHOWN HEREON SHALL REQUIRE
- A SEPARATE PERMIT. E. ALL EXISTING UTILITIES TO BE FIELD VERIFIED BY CONTRACTOR
- PRIOR TO CONSTRUCTION, CALL BLUESTAKE AT 602-263-1100.
- F. ANY POINTS OF DRAINAGE CONCENTRATION SHOULD BE PROTECTED AGAINST EROSION.
- G. THIS PLAN IS DESIGNED TO SHOW SITE GRADING AND DRAINAGE. CONTRACTOR SHALL USE THE ARCHITECTURAL SITE PLAN TO DETERMINE FINAL HOUSE, WALL, STEP, ETC., LOCATIONS, ELEVATIONS, AND DETAILS.
- . DRYWELLS, WHEN REQUIRED, MUST BE DRILLED A MINIMUM OF 10 FEET INTO PERMEABLE POROUS STRATA OR PERCOLATION TEST WILL BE REQUIRED. THE GRADING AND DRAINAGE INSPECTOR MUST BE PRESENT BEFORE BACKFILL OR WELL PIPES ARE PLACED WITHIN ANY DRYWELLS.
- I. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR REGISTERING THE DRYWELLS SHOWN ON THE PLAN WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (A.D.E.Q.) FOR INFORMATION ABOUT SPECIFIC REQUIREMENTS, CONTACT WATER PERMITS UNIT (602-257-2270).
- J. APPROVAL OF THESE PLANS SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
- K. ALL FILLS SHALL BE LANDSCAPED.
- L. FOR REVIEW SEE SHEET 2.

LEGEND:

CATV

CFS

(00.0)

(EXIST)

FND

GPE

MESQ

OCO

PUE

VNAE

M. BUILDING SETBACK LINES ARE SHOWN PER RECORDED PLAT.

AIR CONDITIONING EQUIPMENT

BUILDING SETBACK LINE

CUBIC FEET PER SECOND

DENOTES CALCULATED

DENOTES MEASURED

DRAINAGE EASEMENT

EDGE OF PAVEMENT

EXISTING CONTOUR

EXISTING ELEVATION

FOUND MONUMENT

EXISTING FIRE HYDRANT

FOUND BUILDING ENVELOPE STAKE

GENERAL PURPOSE EASEMENT

IRRIGATION CONTROL VALVE

LOWEST FINISHED FLOOR

PROPOSED CONTOUR

PROPOSED ELEVATION

RECORD MONUMENT

SAGUARO CACTUS

TELEPHONE RISER

TOP OF FOOTING

TOP OF RAIL

TOP OF WALL

TOP OF FENCE

WATER VALVE

BENCHMARK CERTIFICATION:

PUBLIC UTILITIES EASEMENT

VEHICULAR NON-ACCESS EASEMENT

WATER METER BOX WITH SERVICE

WALL OPENING FOR DRAINAGE (8"X16")

ELECTRIC

FOUND

IRONWOOD

MESQUITE

OCOTILLO

PALO VERDE

EDGE OF DISTURBED AREA

DENOTES RECORDED DIRECTION OF DRAINAGE

BARREL CACTUS

CABLE TELEVISION

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION:

COMMUNITY NUMBER	PANEL NUMBER AND DATE	SUFFIX	DATE OF FIRM INDEX	FIRM ZONE	BASE FLOOD ELEV (IN AO ZONE, USE DEPTH)
045012	(9/30/05)		(9/30/05)		

INSPECTION PORT

BY DESIGN ENGINEER

ENGINEER'S CERTIFICATION: THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN, ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100 YEAR STORM, AND ARE IN ACCORDANCE WITH CITY OF SCOTTSDALE FLOODWAYS AND FLOODPLAIN ORDINANCE, CHAPTER 37, S.R.C..

AS-BUILT CERTIFICATION:

GRASS=1416.50

GRATE=1424.50

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR	DΔTF	REGISTRATION NUMBER
REDISTERED EARD SOLVETOR	DATE	REGIOTION HOMBER

AASHTO M288 CLASS 1 WOVEN GEOTEXTILE OR EQUAL,

BETWEEN FOUNDATION STONE AND CHAMBERS

STORMTECH ISOLATOR™ ROW DETAIL

SC-740-5'-6' WIDE STRIP

LEGAL DESCRIPTION:

PARCEL NO. 1

THAT PART OF THE SOUTHWEST QUARTER OF SECTION 5, TOWNSHIP 2 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PARADISE VALLEY, MARICOPA COUNTY, ARIZONA;

COMMENCING AT THE NORTHEAST CORNER OF MARSHMALLOW MOUNTAIN LANDS, A PLAT RECORDED IN DOCKET 1500, PAGES 183 THROUGH 186, INCLUSIVE, RECORDS OF MARICOPA COUNTY, ARIZONA;

THENCE S 00' 13' 55" E ALONG THE EAST LINE OF SAID MARSHMALLOW MOUNTAIN LANDS, 370.00 FEET TO NORTHEAST CORNER OF SAID PREMISES HEREIN DESCRIBED AND THE TRUE POINT OF BEGINNING;

THENCE S 86 '19' 02" W, 107.66 FEET(RECORD), 107.99 FEET(CALCULATED) TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF THAT CERTAIN ROADWAY SHOWN AS SOUTH PRIVATE ROADWAY ON THE PLAT OF SAID MARSHMALLOW MOUNTAIN LANDS:

THENCE SOUTHWESTERLY ALONG THE EAST RIGHT-OF-WAY LINE ON A CURVE TO THE RIGHT HAVING A RADIUS OF 40 FEET. A CENTRAL ANGLE OF 71° 37' 30" AND AN ARC LENGTH OF 49.96 FEET(RECORD) 50.00 FEET(CALCULATED);

THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 35.00 FEET; A CENTRAL ANGLE OF 36' 51' 57" AND AN ARC LENGTH OF 22.52';

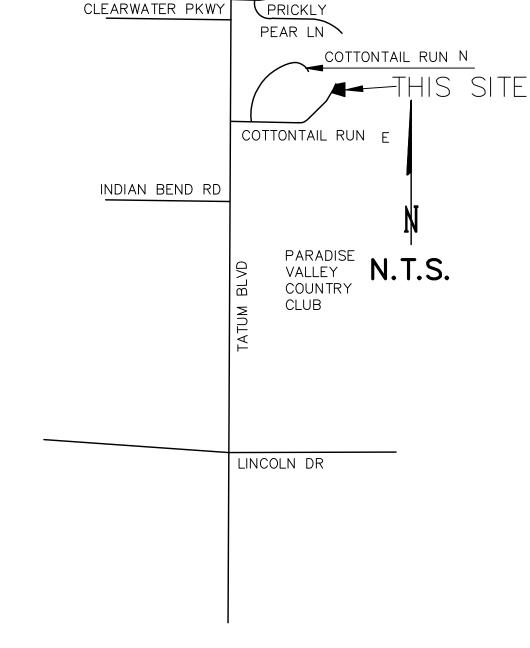
THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 452.87 FEET, A CENTRAL ANGLE OF 10° 05' 37", AN ARC LENGTH OF 79.78 FEET;

THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 367.79 FEET, A CENTRAL ANGLE OF11' 10' 39", AN ARC LENGTH OF 71.75 FEET TO THE SOUTHWEST CORNER OF SAID PREMISES;

THENCE S 57' 54' 16" E. 256.90' TO A POINT ON THE EAST LINE OF SAID MARSHMALLOW MOUNTAIN LANDS AND THE SOUTHEAST CORNER OF SAID PREMISES;

THENCE N 00' 13' 55" W, 333.24' TO NORTHEAST CORNER OF SAID PREMISES AND THE TRUE POINT OF BEGINNING.

SAID PREMISES CONTAINING 46655.33 SQUARE FEET /1.07106 ACRES ±



DESERT FAIRWAYS DR

VICINITY MAP

ARCHITECT:

BUILDER:

PLATINUM COMPANIES P.O. BOX 25157 SCOTTSDALE, AZ. 85255 dave@platinumcompanies.com

OWNER:

RICHARD E CORNWELL MAILING ADDRESS: 14851 N SCOTTSDALE RD STE 203 SCOTTSDALE, AZ. 85254 IN CARE OF: CORNWELL CORPORATION

SITE ADDRESS: 5045 E COTTONTAIL RUN RD PARADISE VALLEY, AZ. 85253

ASSESSORS PCL. NO.:

DISTURBED AREA CALCULATIONS:

602-263-110

OR

612 CY.

46,655.33 S.F. / 1.07106 AC.± AREA UNDER ROOF= 6,586 S.F. FLOOR AREA RATIO= 14.11 % BUILDING PAD SLOPE= 17% VERTICAL 33.5 FT. HORIZONTAL 196 FT. ALLOWABLE DISTURBANCE AREA= 27.27% ALLOWABLE DISTURBANCE AREA = 12,722.90 SF. EXISTING DISTURBANCE AREA= PROPOSED DISTURBANCE AREA= PROPOSED DISTURBANCE AREA DRIVEWAY= 4,169.25 SF. TOTAL DISTURBANCE AREA= 12,449.25 SF. DISTURBANCE AREA FOR SEPTIC= 1,190 SF. PERCENT OF LOT STEEPER THAN NATURAL

570 CY. VOLUME OF FILL= 1182 CY. TOTAL CUT&FILL= HILLSIDE ASSURANCE @ \$25/CUBIC= \$29,550 Note: Quantities shown are approximate only. Engineer makes no guarantee as to the accuracy of the quantities shown herein. Contractor shall verify quantities independently prior to bidding. Quantities do not include compaction, ground

scarification, shrink or swell factors

ZONING:

LOT DATA:

AREA= 46,655.33 SQ. FT. / 1.07106 AC \pm LENGTH OF RETAINING WALLS= 515 L.F. MAXIMUM HEIGHT OF RETAINING WALLS= 8 FEET

DATE:

PH-1	6/21/17	MP

GRAHAM SURVEYING & ENGINEERING INC.

Civil Engineers & Land Surveyors P.O. BOX 1240, Carefree, Arizona 85377

UTILITIES NOTE:

COVER ENTIRE ROW WITH

AASHTO M288 CLASS 2

GEOTEXTILE OR EQUAL

- STORMTECH ENDCAP

SC-740-8' WIDE STRIP

FOR STORMTECH INFORMATION

CALL 1-888-892-2694

NON-WOVEN

525333355

EXISTING UTILITIES SHOWN IN THE PLAN ARE APPROXIMATE ONLY AND WILL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO START OF CONSTRUCTION WORK. CALL BLUESTAKE @

GRADE (5%MAX) =

VOLUME OF CUT=

THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL (602) 263-1100

(480) 488-43935045 E COTTONTAIL RUN. 1 OF 2, JOB #17-097p10

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON FND 1/2" REBAR W/CAP(RLS-11116) AT THE SOUTHWEST CORNER THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE OF PARCEL 169-08-039(5045 E COTTONTAIL RUN) CITY OF SCOTTSDALE BENCHMARK. ELEVATION= 1442.40'(NAVD88)

T.B.M.:

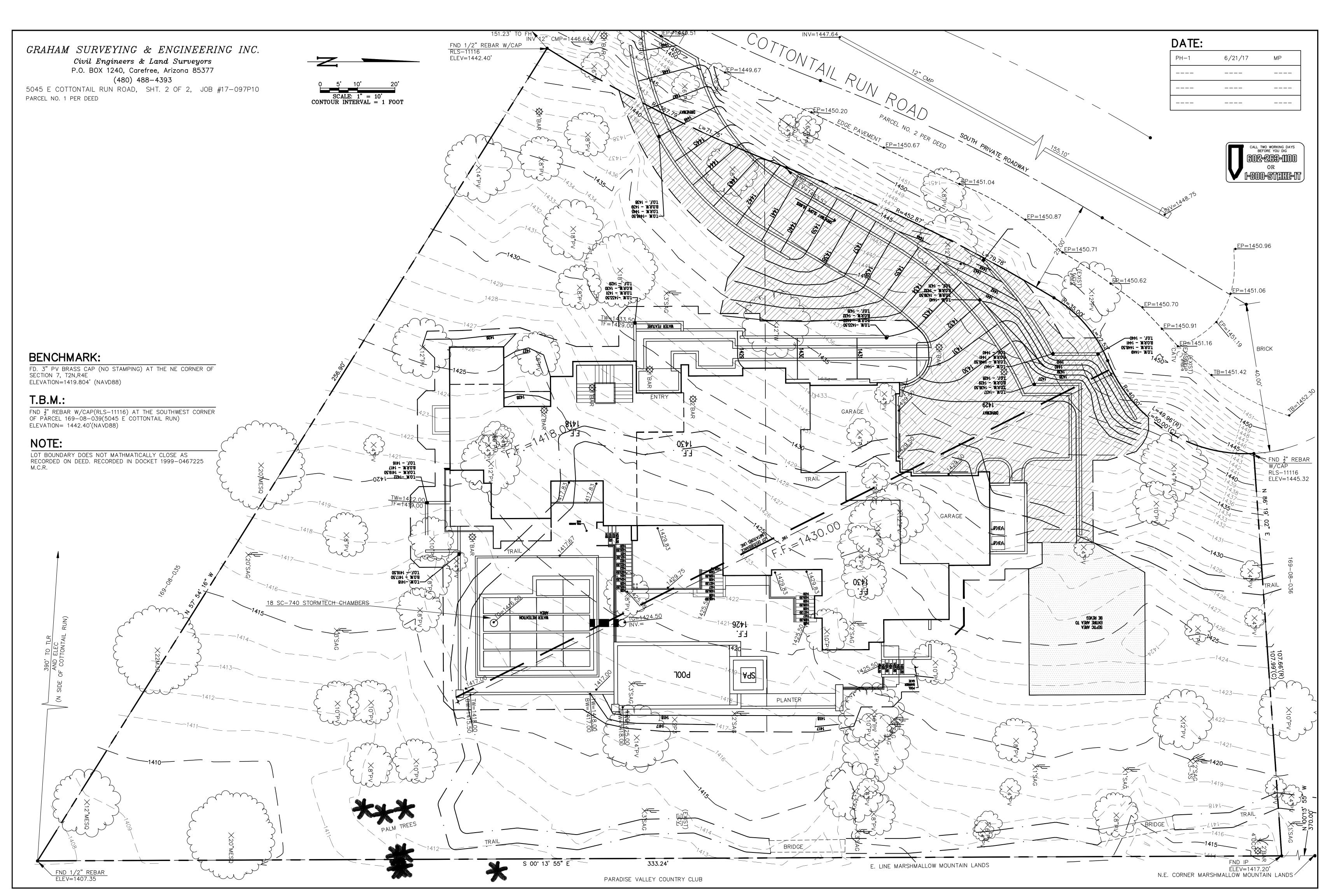
CATCH BASIN

INV.=1412.00

SECTION 7, T2N,R4E ELEVATION=1419.804' (NAVD88)

BENCHMARK:

FD. 3" PV BRASS CAP (NO STAMPING) AT THE NE CORNER OF





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



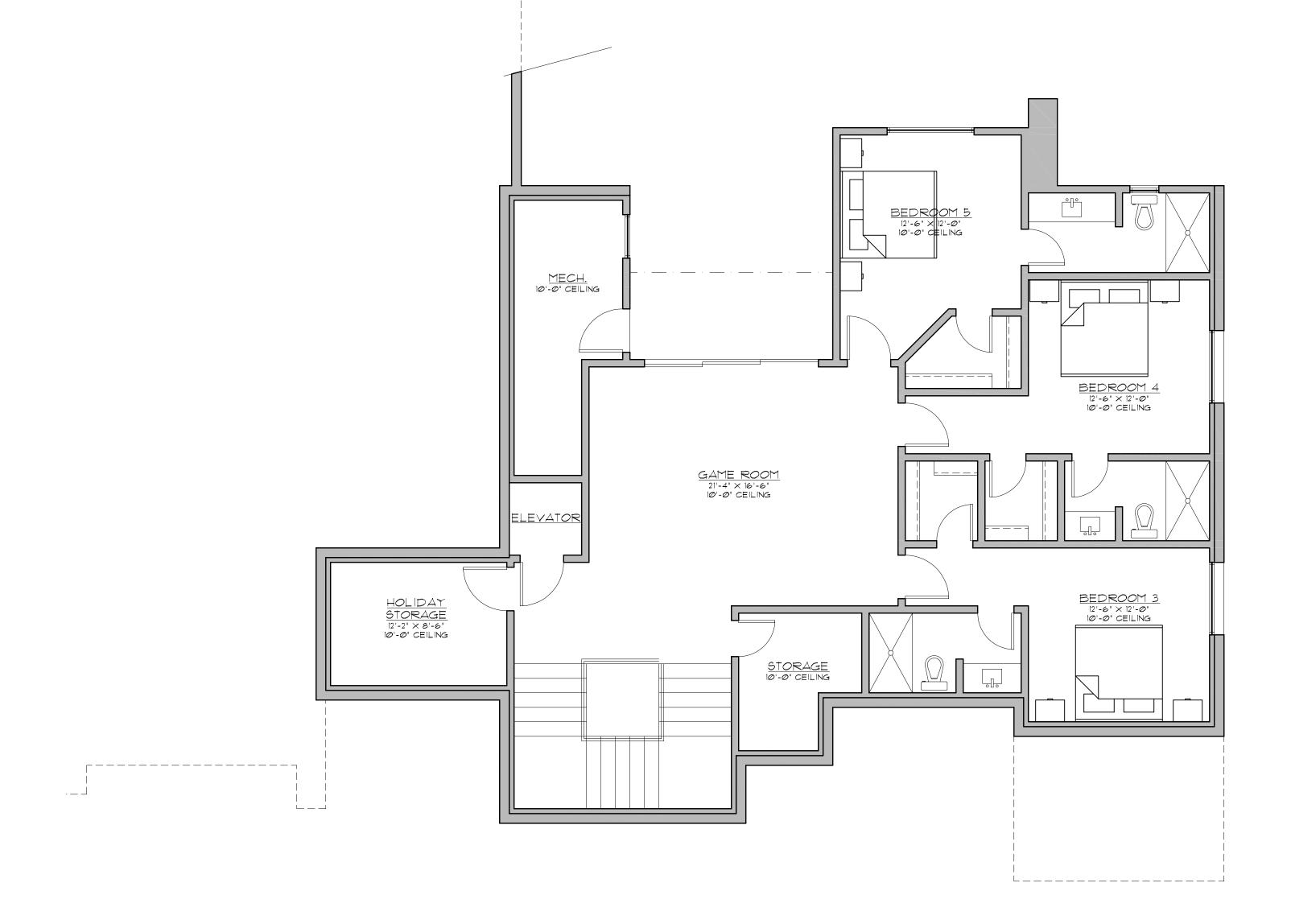
Bergeron Residence
April Rur
APN: 219-61-095
Paradise Valley, Arizor

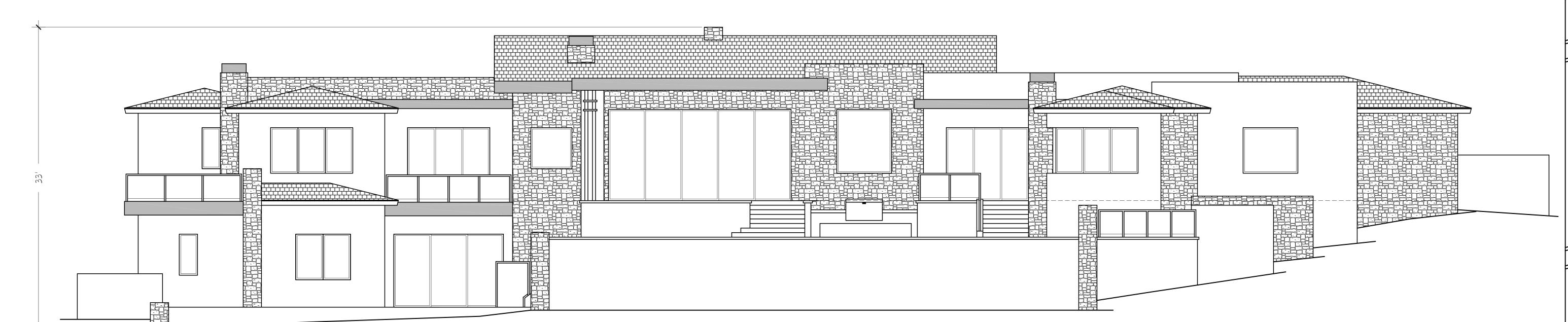


A1







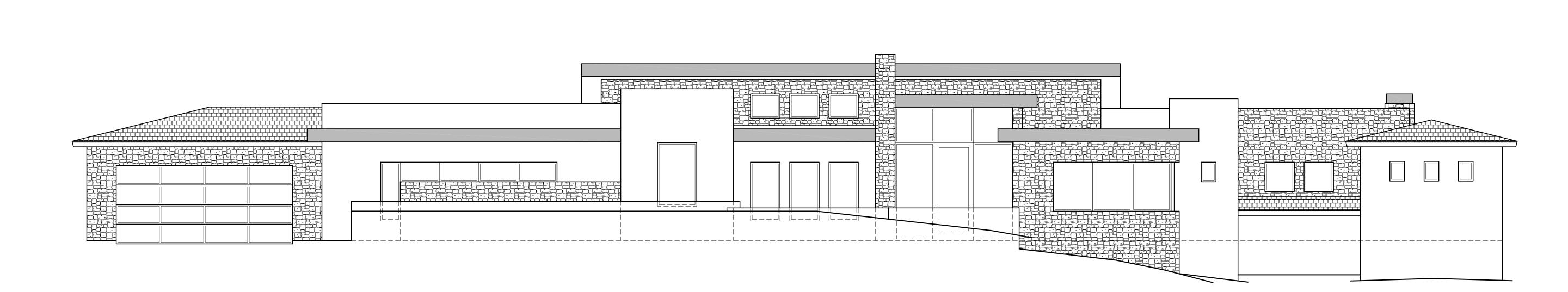


EAST ELEVATION GOLF COURSE VIEW



SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



EAST ELEVATION GOLF COURSE VIEW



PICTURE A SCALE: N.T.S.



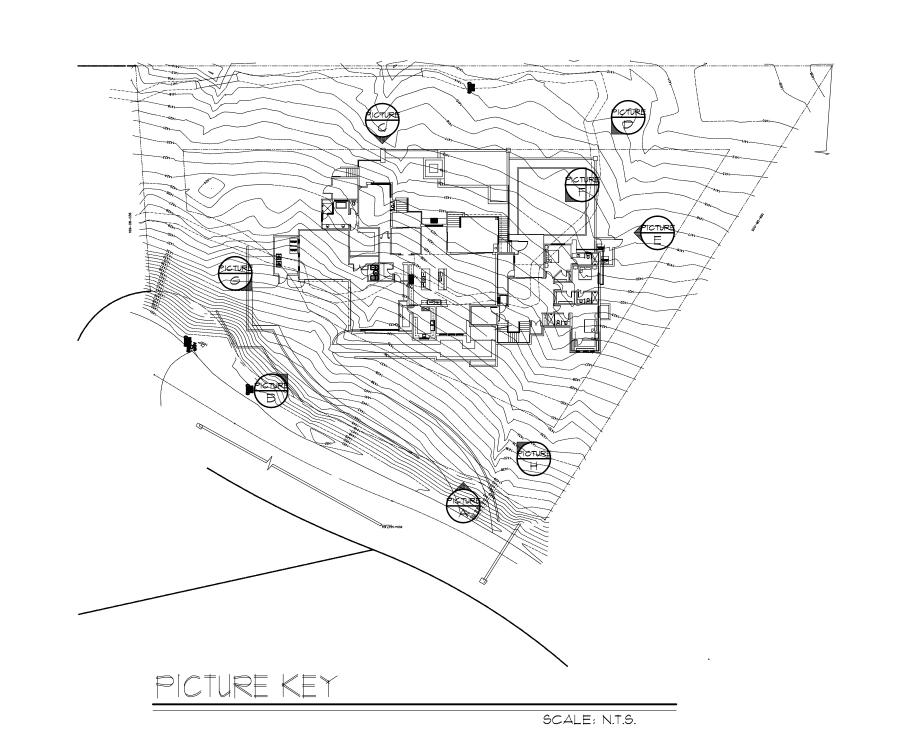
PICTURE D SCALE: N.T.S.



PICTURE F



PICTURE B SCALE: N.T.S.



PICTURE E SCALE: N.T.S.



PICTURE G

SCALE: N.T.S.

SCALE: N.T.S.



SCALE: N.T.S.

PICTURE C





PICTURE H

SCALE: N.T.S.