IMPROVEMENT PLANS
FOR
PEACEFUL RIDGE
PHASE 1 AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION
CITY OF LAS VEGAS, NEVADA
APN: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011, 012
137-01-301-001 & 002

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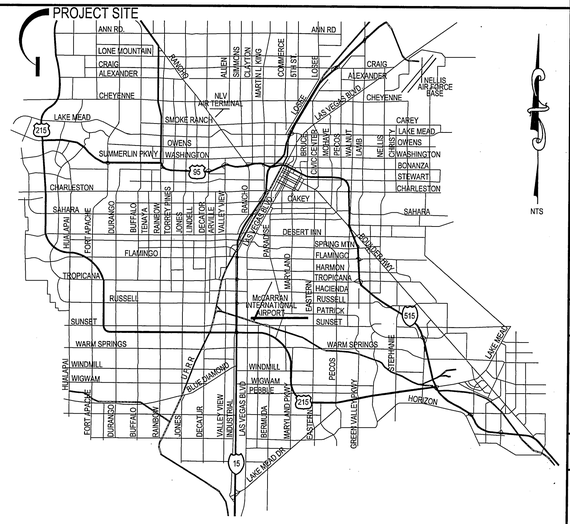
VICINITY MAP



SITE MAP

UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

DEVELOPER/OWNER

THM ENTERPRISES LLC
10555 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 PHONE

ENGINEER

TANEY ENGINEERING COMPANY
6030 S. JONES BLVD STE #100
LAS VEGAS, NV 89118
(702) 362-8844 PHONE (702) 362-5233 FAX

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.060M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

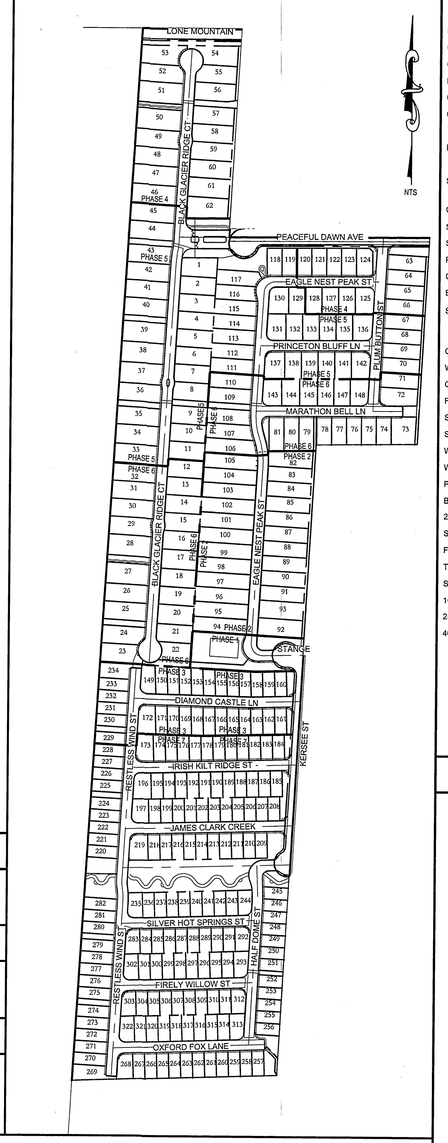
ABBREVIATIONS

AC	ASPHALTIC CONCRETE
BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BFE	BASE FLOOD ELEVATION
BFP	BACK FLOW PREVENTOR
BLM	BUREAU OF LAND MANAGEMENT
BM	BENCHMARK
BRPM	BLUE RAISED PAVEMENT MARKER
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM OF EXISTING WALL
CATV	CABLE TELEVISION
CC	CLARK COUNTY
CL	CENTERLINE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLV	CITY OF LAS VEGAS
CMP	CORRUGATED METAL PIPE
CNLV	CITY OF NORTH LAS VEGAS
CO	CLEAN OUT, SEWER
COH	CITY OF HENDERSON
CY	CUBIC YARD
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS OF WASTE WATER COLLECTION SYSTEMS
DG	DESIGN GRADE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
EC	END OF CURVE
EG	EXISTING GRADE
ELEC	ELECTRICAL
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX	EXISTING
FF	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FT	FEET
GB	GRADE BREAK
GFF	GARAGE FINISH FLOOR
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LT	LEFT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	POLYETHYLENE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLT	PLATE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PROJ	PROJECT
PRV	PRESSURE REDUCING VALVE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RT	RIGHT
SD	STORM DRAIN
SHT	SHEET
STLT	STREETLIGHT
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
SY	SQUARE YARD
TC	TOP OF CURB
TELE	TELEPHONE
TF	TOP OF FOOTING
TR	TOP OF RETAINING
TW	TOP OF WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
USD	UNIFORM STANDARD DRAWING
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
W	WATER
ZC	ZERO LIP CURB

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

KEY MAP



LEGEND

	EXISTING	PROPOSED
DESIGN ELEVATION	(10.00)	10.00
FUTURE ELEVATION		[10.00]
SCARP (SLOPE VARIES)		
CONTOUR (1' INTERVAL)		
CONTOUR (5' INTERVAL)		
DIRECTION OF FLOW		
RETAINING WALL		
CMU WALL		
CENTERLINE		
RIGHT-OF-WAY		
CUT LINE-ASPHALT		
CURB AND GUTTER		
POWER POLE		
SIDEWALK RAMP		
CURB DROP INLET		
STORM DRAIN W/MANHOLE		
SIDEWALK		
PROPERTY LINE		
CUT-FILL LINE		
EDGE OF PAVEMENT		
SIGHT VISIBILITY ZONE		
CAP & 2" BLOW OFF VALVE		
WATERLINE FITTINGS		
GATE VALVE		
FIRE HYDRANT		
SEWER LINE W/MANHOLE		
SEWER LATERAL		
WATER LINE		
WATER LATERAL W/METER		
PRESSURE REDUCING VALVE		PRV
BACKWATER VALVE		BWV
200A SERVICE PEDESTAL		
STREET LIGHT CONDUIT		
F.A.S.T. CONDUIT		
TRAFFIC SIGN		
STOP SIGN W/STREET NAME SIGN		
100W HPS LUMINAIRE W/11 GA. POLE		
250W HPS LUMINAIRE W/11 GA. POLE		
400W HPS LUMINAIRE W/11 GA. POLE		

APPROVAL SIGNATURES

APPROVED FOR CONSTRUCTION

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

DAVID BOWERS, P.E., P.T.O.E. (P.E.#16736) — DATE
ACTING CITY ENGINEER – CITY OF LAS VEGAS
APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARD IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA.

DOUG RANKIN, AICP PLANNING MANAGER — DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER — DATE
(PRO.# XXXXXX), SHEETS:

COX COMMUNICATIONS LAS VEGAS, INC. — DATE

SOUTHWEST GAS — DATE

CENTURYLINK — DATE
"THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

NV ENERGY — DATE
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

REVISIONS

NO.	DESCRIPTION	SHTS.	APPR.	DATE

THM ENTERPRISE LLC
10555 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 1
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

COVER SHEET

ROBERT D. CUNNINGHAM — Exp. 12-31-13 — CIVIL — No. 15726 — STATE OF NEVADA — REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL

DATE: 9/16/2013
SCALE: NTS
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: C1
SHEET: 01 OF 08

CLV

FILE NAME: COVER SHEET.DWG

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB. 8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY AMERICAN SOILS ENGINEERING, LLC REPORT NO: 1588-GEO DATE 06/04/12 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE OFFSITE INSPECTION AND TESTING SECTION PRIOR TO PROJECT ACCEPTANCE. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY STATE PLANE COORDINATES WHICH SHALL BE BASED ON THE "NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE" AS DEFINED BY THE NEVADA REVISED STATUTES CHAPTER 327, AND TIED TO THE CITY OF LAS VEGAS VERTICAL CONTROL BENCHMARK NETWORK. COORDINATES MUST BE CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF +/- 0.1 METER (+/- 0.3 FEET). A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. SANITARY SEWER SERVICE LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE SEWER SERVICE LATERAL TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXITS THE PUBLIC RIGHT-OF-WAY. STORM DRAIN LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE STORM DRAIN LATERAL TO THE STORM DRAIN MAIN AND WHERE THE STORM DRAIN LATERAL EXITS THE PUBLIC RIGHT-OF-WAY OR WHERE THE STORM DRAIN LATERAL CONNECTS TO A DROP INLET. THE MARKER BALL SHALL BE 3M 4" MARKER BALL 1404-XR OR APPROVED EQUAL.

23. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

24. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

CLV TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS, ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CLV FIRE DEPARTMENT NOTES

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6124 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS. AUTHORIZED FIRE

HYDRANTS ARE AS FOLLOWS:
- KENNEDY - GUARDIAN MODELS K81A AND K81D
- MUELLER - SUPER CENTURION 250, MODEL A-423
- CLOW-MEDALLION MODEL F-2546UVD
- TROY VALVE - PATRIOT MODEL PT810ON, NEVADA HYDRANT
- U.S.PIPE - METROFLOW/M-03

A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.

ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. SNFC #6124, SECTION 1412.

TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. SNFC #6124 SECTION 507.5.7.3

ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. SNFC 507.2.1, NFPA 24

PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC 507; SNFC 507.5.7

PRIVATE HYDRANTS SHALL BE PAINTED RED. SNFC 507.5.7.1

PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507; SNFC 507.1

FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: SNFC C102
- RESIDENTIAL – 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
- COMMERCIAL – 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.

WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. SNFC C102.14

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. SNFC C102.12

A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC 102.4 THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC C102.7

THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. SNFC 102.6

TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.

ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. SNFC 503.2.3

THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. SNFC 503.2.7 / 503.2.8

THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. SNFC 503.2.4

VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. SNFC 503.2.1.1 / IFC 503

FIRE DEPARTMENT ACCESS ROADS IN ALL RESIDENTIAL DEVELOPMENTS (EXCEPT APARTMENT BUILDINGS) SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 36 FT FLOW LINE TO FLOW LINE (THIS WIDTH MAY BE REDUCED TO 24 FT IF ALL BUILDINGS FRONTING THE STREET ARE SPRINKLERED) FOR MAIN RESIDENTIAL STREETS, WITH PARKING PERMITTED ON BOTH SIDES OF THE STREET. PRIVATE DRIVE AISLES, DRIVEWAYS, ETC. SHALL BE ALLOWED TO BE REDUCED TO A MINIMUM WIDTH OF 24 FT FLOW LINE TO FLOW LINE WHEN SERVING NO MORE THE 6 RESIDENTS, AND WHEN ON STREET PARKING IS DISALLOWED. SNFC 503.2.1 / 503.2.11

ALL FIRE APPARATUS ACCESS ROADS IN COMMERCIAL DEVELOPMENTS AND APARTMENT COMPLEXES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FT (FLOW LINE TO FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE; 32 FT (FLOW LINE TO FLOW LINE), WITH PARALLEL PARKING ON ONE SIDE. AND 36 FT (FLOW LINE TO FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. THESE WIDTHS MAY BE REDUCED TO 24 FT IF SPRINKLERED. SNFC 503.2.1.1

A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC 503.1.1 / SNFC 503.11

APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, AND FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL DEVELOPMENTS. SNFC 503.1.2

ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. SNFC 503.2.5

ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. SNFC 503.3

ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES. IFC / SNFC 503.6

CLV STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEFO PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.

10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6331.

STORMWATER RUNOFF MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION II/A.5.

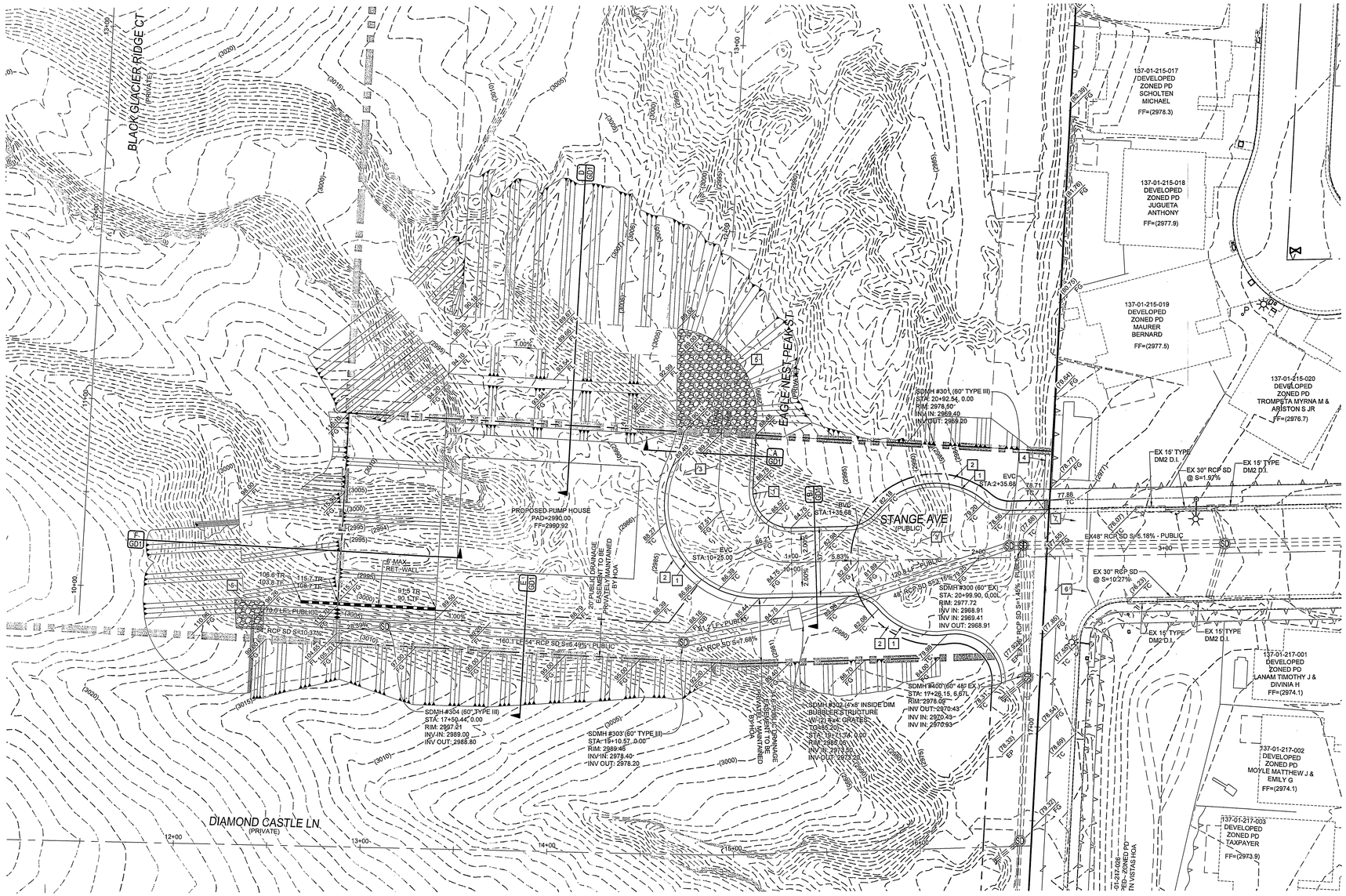
4. AT A MINIMUM, THE CONTRACTOR R HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER AND ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECCESSARY. SOME EXCEPTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION II/A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

CLV GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTEDED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMDEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-



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1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD., SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 1
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 5.0' SIDEWALK (USD #234)
3. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
4. 3.0' CONCRETE FLUME (SEE DETAIL C)
5. RIPRAP: D50=12", THICKNESS=24"
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK UNDERDRAIN (USD #236)

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
276,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

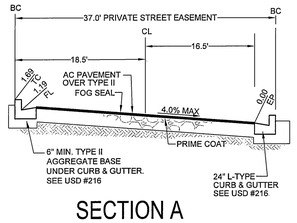
ROBERT D. CUNNINGHAM, P.E. DATE

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

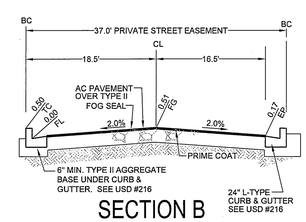
DATE:	9/17/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	G1
SHEET:	03 OF 08

CLV

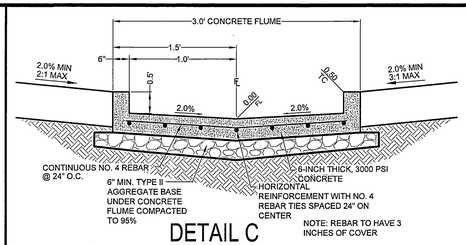
FILE NAME: GRADING PLAN.DWG



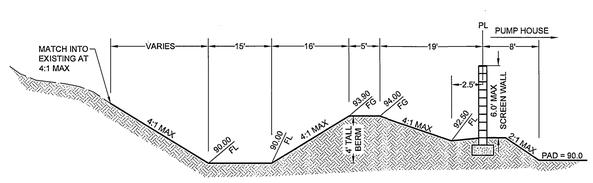
SECTION A
TYPICAL 41-FT WIDE PRIVATE DRIVE



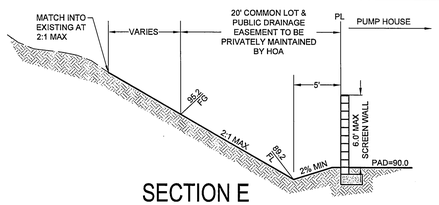
SECTION B
TYPICAL 41-FT WIDE PRIVATE DRIVE



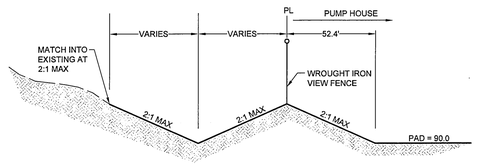
DETAIL C
3.0' CONCRETE FLUME



SECTION D
TEMPORARY CHANNEL & BERM



SECTION E
20-FT DRAINAGE EASEMENT



SECTION F
REAR/REAR YARDS

FILE NAME: GRADING PLAN.DWG

NO.	DESCRIPTION	APPR.	DATE
	REVISIONS		

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #220
LAS VEGAS, NV 89144
(702) 853-6220 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-9233

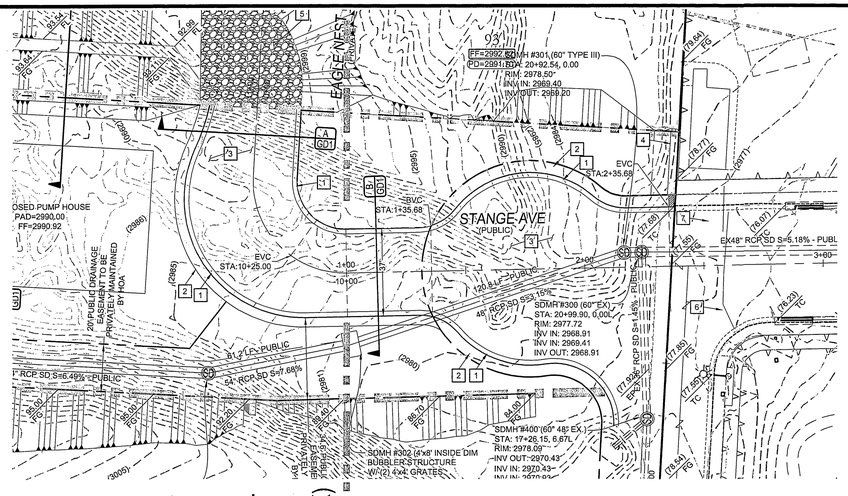
PEACEFUL RIDGE - PHASE 1
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND SECTIONS

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

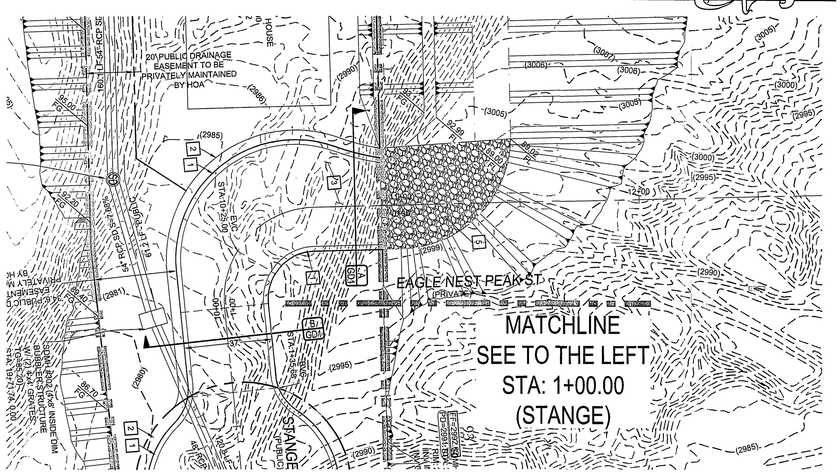
DATE:	9/16/2013
SCALE:	N.T.S.
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD1
SHEET:	04 OF 08

CLV



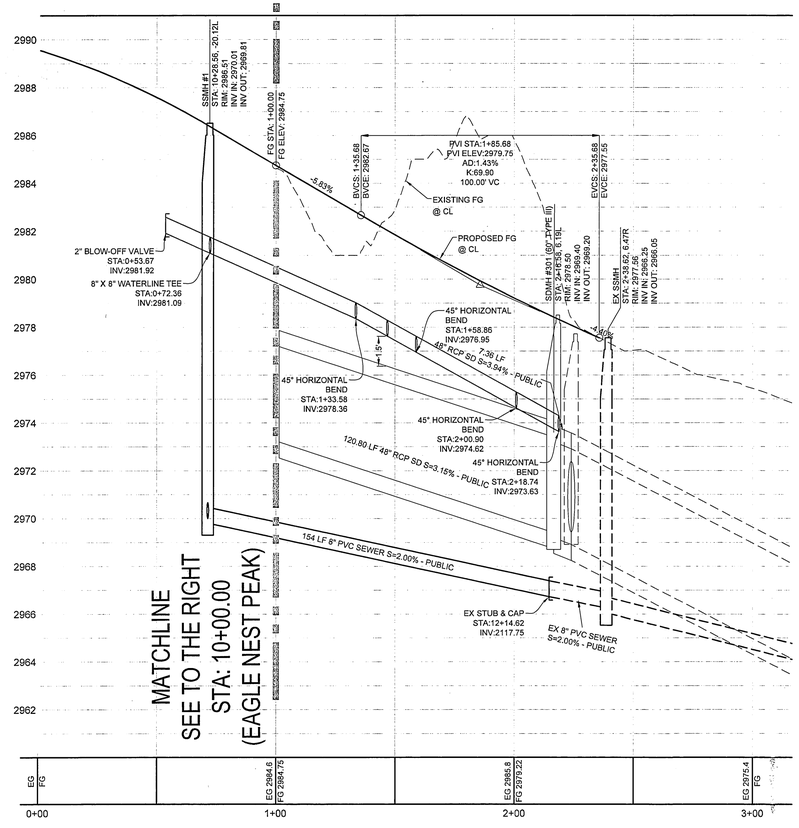
MATCHLINE
SEE TO THE RIGHT
STA: 10+00.00
(EAGLE NEST PEAK)

STANGE AVE - PLAN
STA: 1+00.00 TO 2+50.00

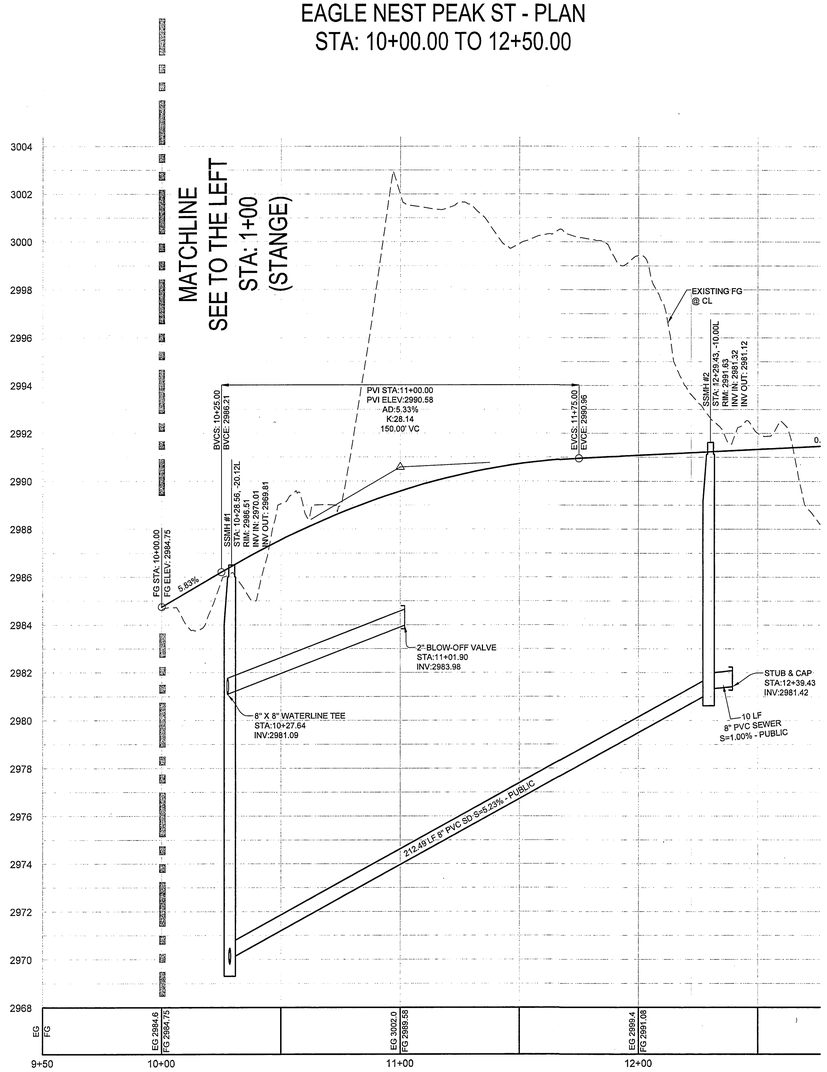


MATCHLINE
SEE TO THE LEFT
STA: 1+00.00
(STANGE)

EAGLE NEST PEAK ST - PLAN
STA: 10+00.00 TO 12+50.00



STANGE AVE - PROFILE
STA: 1+00.00 TO 3+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.



EAGLE NEST PEAK ST - PROFILE
STA: 10+00.00 TO 12+50.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

CONSTRUCTION NOTES

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OR
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UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 1
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

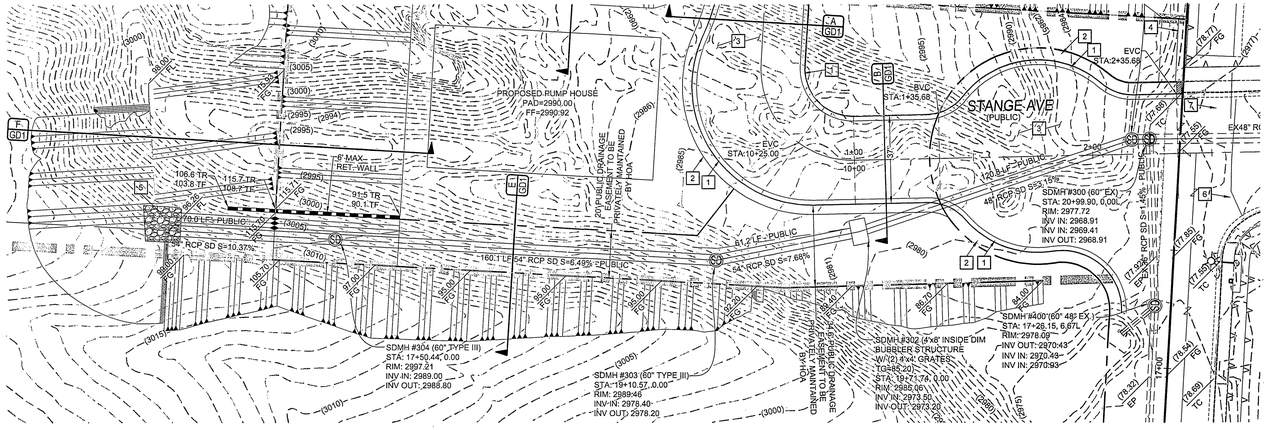
STANGE AVE AND EAGLE NEST PEAK
PLAN AND PROFILE

ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

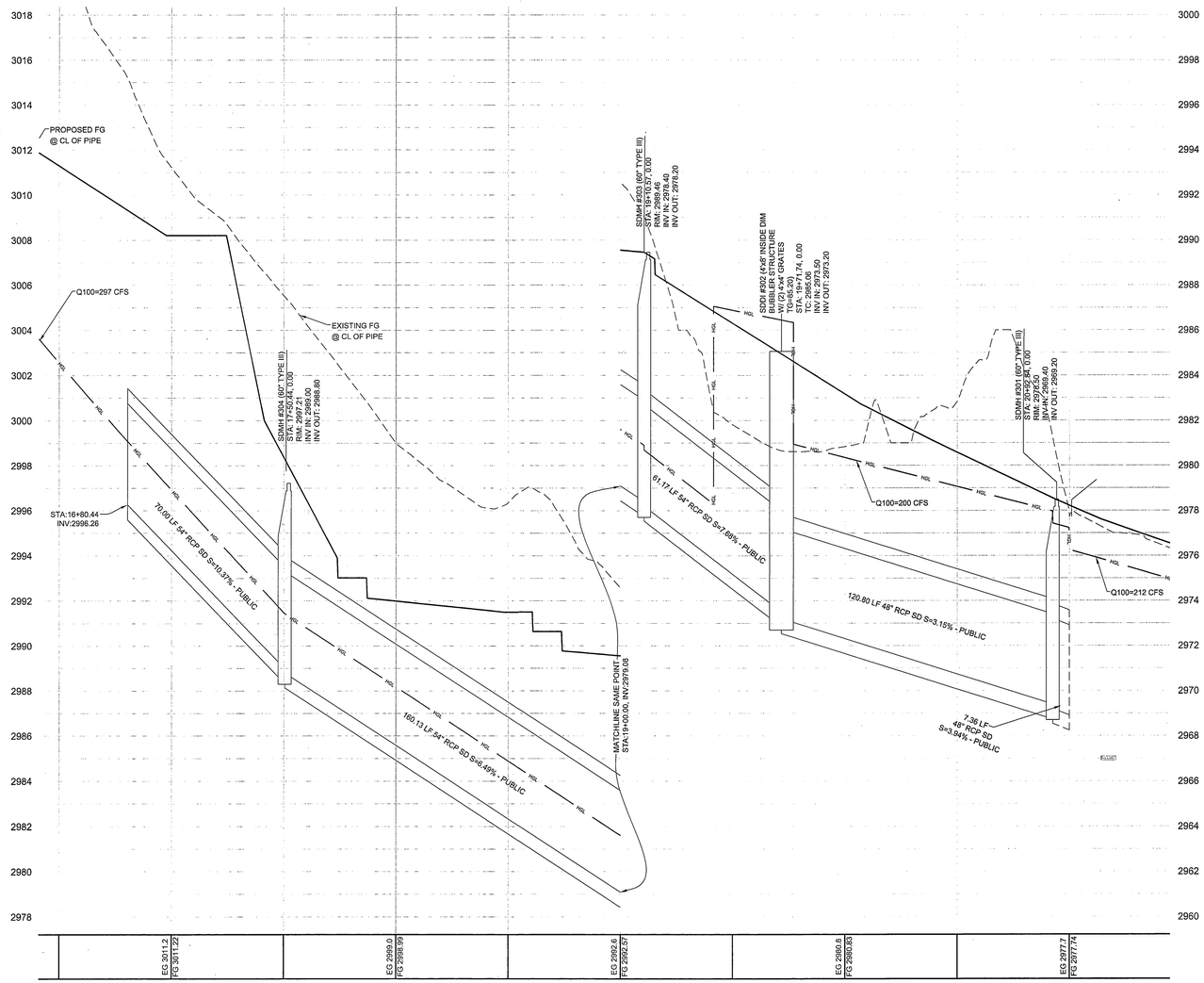
DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP1
SHEET: 05 OF 08

CLV

FILE NAME: 04 PP1.DWG



54" STORM DRAIN - PLAN



54" STORM DRAIN- PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.

FILE NAME: 04 PP1.DWG

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 5.0' SIDEWALK (USD #234)
3. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
4. 3.0' CONCRETE FLUME (SEE DETAIL C)
5. RIPRAP: D50=12", THICKNESS=24"
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK UNDERDRAIN (USD #236)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV. 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

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LAS VEGAS, NV 89144
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TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 1
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

54" STORM DRAIN
PLAN AND PROFILE

ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA REGISTERED PROFESSIONAL ENGINEER
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP2
SHEET: 06 OF 08

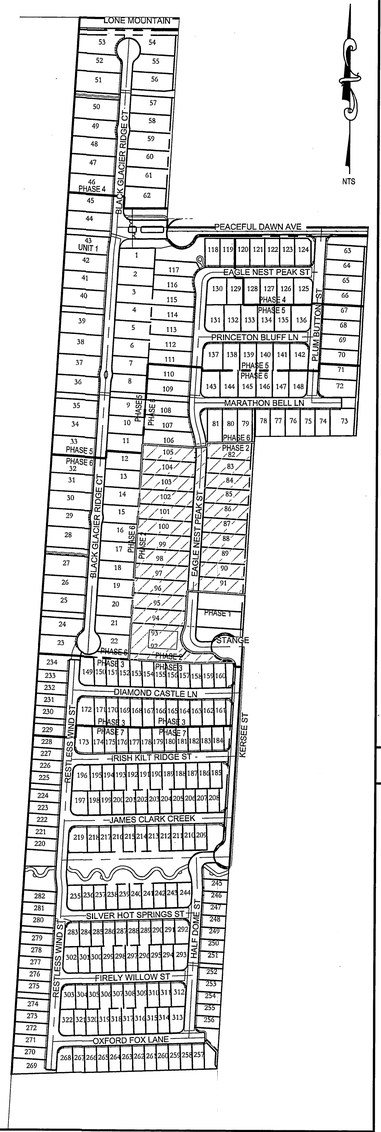
CLV

IMPROVEMENT PLANS
FOR
PEACEFUL RIDGE
PHASE 2 AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION
CITY OF LAS VEGAS, NEVADA
APN: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011, 012
137-01-301-001 & 002

INDEX OF SHEETS

01	C1	COVER SHEET
02	C2	GENERAL NOTES & QUANTITIES
03	G1	KEY MAP FOR GRADING SHEETS
04	G2	GRADING PLAN
05	G3	GRADING PLAN
06	G4	GRADING PLAN
07	G5	GRADING PLAN
08	G6	GRADING PLAN
09	G7	GRADING PLAN
10	GD1	GRADING DETAILS AND CROSS SECTIONS
11	GD2	GRADING DETAILS AND CROSS SECTIONS
12	GD3	GRADING DETAILS AND CROSS SECTIONS
13	PP1	EAGLE NEST PEAK STA:10+00 TO 17+00 PLAN AND PROFILE

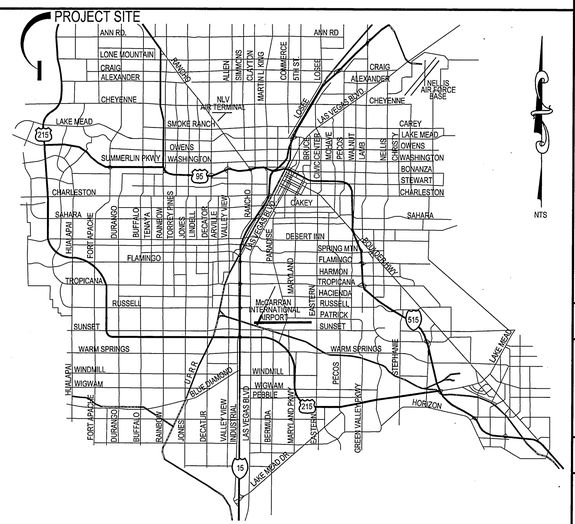
KEY MAP



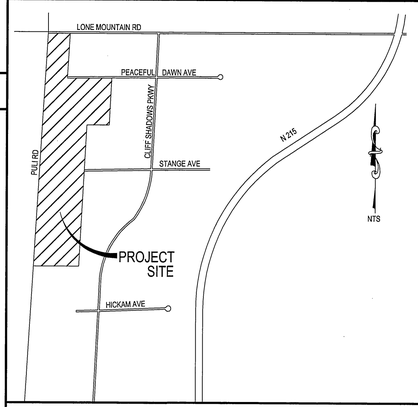
LEGEND

	EXISTING	PROPOSED
DESIGN ELEVATION	(10.00)	10.00
FUTURE ELEVATION		[10.00]
SCARP (SLOPE VARIES)		
CONTOUR (1' INTERVAL)		
CONTOUR (5' INTERVAL)		
DIRECTION OF FLOW		
RETAINING WALL		
CMU WALL		
CENTERLINE		
RIGHT-OF-WAY		
CUT LINE-ASPHALT		
CURB AND GUTTER		
POWER POLE		
SIDEWALK RAMP		
CURB DROP INLET		
STORM DRAIN W/MANHOLE		
SIDEWALK		
PROPERTY LINE		
CUT-FILL LINE		CUT CUT CUT CUT CUT
EDGE OF PAVEMENT		
SIGHT VISIBILITY ZONE		
CAP & 2" BLOW OFF VALVE		
WATERLINE FITTINGS		
GATE VALVE		
FIRE HYDRANT		
SEWER LINE W/MANHOLE		
SEWER LATERAL		
WATER LINE		
WATER LATERAL W/METER		
PRESSURE REDUCING VALVE		PRV
BACKWATER VALVE		SWV
200A SERVICE PEDESTAL		
STREET LIGHT CONDUIT		
F.A.S.T. CONDUIT		
TRAFFIC SIGN		
STOP SIGN W/STREET NAME SIGN		
100W HPS LUMINAIRE W/11 GA. POLE		
250W HPS LUMINAIRE W/11 GA. POLE		
400W HPS LUMINAIRE W/11 GA. POLE		

VICINITY MAP



SITE MAP



LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

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PROJECT VERTICAL DATUM: NAVD88
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ABBREVIATIONS

AC	ASPHALTIC CONCRETE	GB	GRADE BREAK	SS	SANITARY SEWER
BC	BACK OF CURB	GFF	GARAGE FINISH FLOOR	STA	STATION
BCR	BACK OF CURB RADIUS	HP	HIGH POINT	STD	STANDARD
BFE	BASE FLOOD ELEVATION	INV	INVERT	SVZ	SIGHT VISIBILITY ZONE
BFP	BACK FLOW PREVENTOR	LF	LINEAR FEET	SW	SIDEWALK
BLM	BUREAU OF LAND MANAGEMENT	LT	LEFT	SY	SQUARE YARD
BM	BENCHMARK	LVVWD	LAS VEGAS VALLEY WATER DISTRICT	TC	TOP OF CURB
BRPM	BLUE RAISED PAVEMENT MARKER	MAX	MAXIMUM	TELE	TELEPHONE
BVC	BEGIN VERTICAL CURVE	MH	MANHOLE	TF	TOP OF FOOTING
BW	BOTTOM OF EXISTING WALL	MIN	MINIMUM	TR	TOP OF RETAINING
CATV	CABLE TELEVISION	NO.	NUMBER	TW	TOP OF WALL
CC	CLARK COUNTY	NTS	NOT TO SCALE	TYP	TYPICAL
CL	CENTERLINE	OC	ON CENTER	UDACS	UNIFORM DESIGN AND CONSTRUCTION
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PB	PULL BOX		STANDARDS
CLV	CITY OF LAS VEGAS	PC	POINT OF CURVE	USD	UNIFORM STANDARD DRAWING
CMP	CORRUGATED METAL PIPE	PCC	POINT OF COMPOUND CURVE	VC	VERTICAL CURVE
CNLV	CITY OF NORTH LAS VEGAS	PE	POLYETHYLENE	VCP	VITRIFIED CLAY PIPE
CO	CLEAN OUT, SEWER	PI	POINT OF INTERSECTION	VG	VALLEY GUTTER
COH	CITY OF HENDERSON	PL	PROPERTY LINE	W	WATER
CY	CUBIC YARD	PLT	PLATE	ZC	ZERO LIP CURB
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS OF WASTE WATER COLLECTION SYSTEMS	POC	POINT OF CONNECTION	XX	XX
		PP	POWER POLE	XX	XX
DG	DESIGN GRADE	PRC	POINT OF REVERSE CURVE	XX	XX
DI	DROP INLET	PROJ	PROJECT	XX	XX
DIP	DUCTILE IRON PIPE	PRV	PRESSURE REDUCING VALVE	XX	XX
EC	END OF CURVE	PT	POINT OF TANGENCY	XX	XX
EG	EXISTING GRADE	PVC	POLYVINYL CHLORIDE	XX	XX
ELEC	ELECTRICAL	R	RADIUS	XX	XX
EP	EDGE OF PAVEMENT	RCB	REINFORCED CONCRETE BOX	XX	XX
EVC	END VERTICAL CURVE	RCP	REINFORCED CONCRETE PIPE	XX	XX
EX	EXISTING	ROW	RIGHT-OF-WAY	XX	XX
FF	FINISH FLOOR ELEVATION	RT	RIGHT	XX	XX
FG	FINISH GRADE	SD	STORM DRAIN	XX	XX
FH	FIRE HYDRANT	SHT	SHEET	XX	XX
FL	FLOW LINE	STLT	STREETLIGHT	XX	XX
FT	FEET	SNWA	SOUTHERN NEVADA WATER AUTHORITY	xx	xx

UTILITY DISCLAIMER NOTE

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

DEVELOPER/OWNER

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 PHONE

ENGINEER

TANEY ENGINEERING COMPANY
6030 S. JONES BLVD STE #100
LAS VEGAS, NV 89118
(702) 362-8844 PHONE (702) 362-5233 FAX

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APPROVAL SIGNATURES

APPROVED FOR CONSTRUCTION

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

DAVID BOWERS, P.E., P.T.O.E. (P.E.#16736) — DATE
ACTING CITY ENGINEER -- CITY OF LAS VEGAS
APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARD IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA.

DOUG RANKIN, AICP PLANNING MANAGER — DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER — DATE
(PROJ# XXXXXX), SHEETS:

COX COMMUNICATIONS LAS VEGAS, INC. — DATE

SOUTHWEST GAS — DATE

CENTURYLINK — DATE
"THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

NV ENERGY — DATE
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89118
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

COVER SHEET

NEVADA ENGINEER — ROBERT D. CUNNINGHAM — Exp. 12-31-14 — CIVIL — No. 15726 — ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	C1
SHEET:	01 OF 17

CLV

FILE NAME: COVER SHEET.DWG

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA (NEVADA)", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB. 8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY AMERICAN SOILS ENGINEERING, LLC REPORT NO: 1588-GEO DATE 06/04/12 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE OFFSITE INSPECTION AND TESTING SECTION PRIOR TO PROJECT ACCEPTANCE. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY STATE PLANE COORDINATES WHICH SHALL BE BASED ON THE "NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE" AS DEFINED BY THE NEVADA REVISED STATUTES CHAPTER 327, AND TIED TO THE CITY OF LAS VEGAS VERTICAL CONTROL BENCHMARK NETWORK. COORDINATES MUST BE CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF +/- 0.1 METER (+/- 0.3 FEET), A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. SANITARY SEWER SERVICE LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE SEWER SERVICE LATERAL TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXITS THE PUBLIC RIGHT-OF-WAY. STORM DRAIN LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE STORM DRAIN LATERAL TO THE STORM DRAIN MAIN AND WHERE THE STORM DRAIN LATERAL EXITS THE PUBLIC RIGHT-OF-WAY OR WHERE THE STORM DRAIN LATERAL CONNECTS TO A DROP INLET. THE MARKER BALL SHALL BE 3M 4" MARKER BALL 1404-XR OR APPROVED EQUAL.

23. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

24. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

CLV TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CLV FIRE DEPARTMENT NOTES

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6124 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS. AUTHORIZED FIRE

HYDRANTS ARE AS FOLLOWS:
- KENNEDY - GUARDIAN MODELS K81A AND K81D
- MUELLER - SUPER CENTURION 250, MODEL A-423
- CLOW -MEDALLION MODEL F-2546LVD
- TROY VALVE - PATRIOT MODEL PTB100N, NEVADA HYDRANT
- U.S.PIPE - METROFLOWM-03

A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.

ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. SNFC #6124, SECTION 1412.

TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. SNFC #6124 SECTION 507.5.7.3

ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. SNFC 507.2.1, NFPA 24

PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC 507; SNFC 507.5.7

PRIVATE HYDRANTS SHALL BE PAINTED RED. SNFC 507.5.7.1

PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507; SNFC 507.1

FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: SNFC C102
- RESIDENTIAL – 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
- COMMERCIAL – 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.

WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. SNFC C102.14

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. SNFC C102.12

A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC 102.4 THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC C102.7

THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. SNFC 102.6

TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.

ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. SNFC 503.2.3

THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. SNFC 503.2.7 / 503.2.8

THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. SNFC 503.2.4

VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. SNFC 503.2.1.1 / IFC 503

FIRE DEPARTMENT ACCESS ROADS IN ALL RESIDENTIAL DEVELOPMENTS (EXCEPT APARTMENT BUILDINGS) SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 36 FT FLOW LINE TO FLOW LINE (THIS WIDTH MAY BE REDUCED TO 24 FT IF ALL BUILDINGS FRONTING THE STREET ARE SPRINKLERED) FOR MAIN RESIDENTIAL STREETS, WITH PARKING PERMITTED ON BOTH SIDES OF THE STREET. PRIVATE DRIVE AISLES, DRIVEWAYS, ETC. SHALL BE ALLOWED TO BE REDUCED TO A MINIMUM WIDTH OF 24 FT FLOW LINE TO FLOW LINE WHEN SERVING NO MORE THE 6 RESIDENTS, AND WHEN ON STREET PARKING IS DISALLOWED. SNFC 503.2.1 / 503.2.11

ALL FIRE APPARATUS ACCESS ROADS IN COMMERCIAL DEVELOPMENTS AND APARTMENT COMPLEXES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FT (FLOW LINE TO FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE; 32 FT (FLOW LINE TO FLOW LINE), WITH PARALLEL PARKING ON ONE SIDE. AND 36 FT (FLOW LINE TO FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. THESE WIDTHS MAY BE REDUCED TO 24 FT IF SPRINKLERED. SNFC 503.2.1.1

A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC 503.1.1 / SNFC 503.11

APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, AND FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL DEVELOPMENTS. SNFC 503.1.2

ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. SNFC 503.2.5

ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. SNFC 503.3

ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES. IFC / SNFC 503.6

CLV STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEFO PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.

10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6331.

STORMWATER RUNOFF MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION IIIA.5.

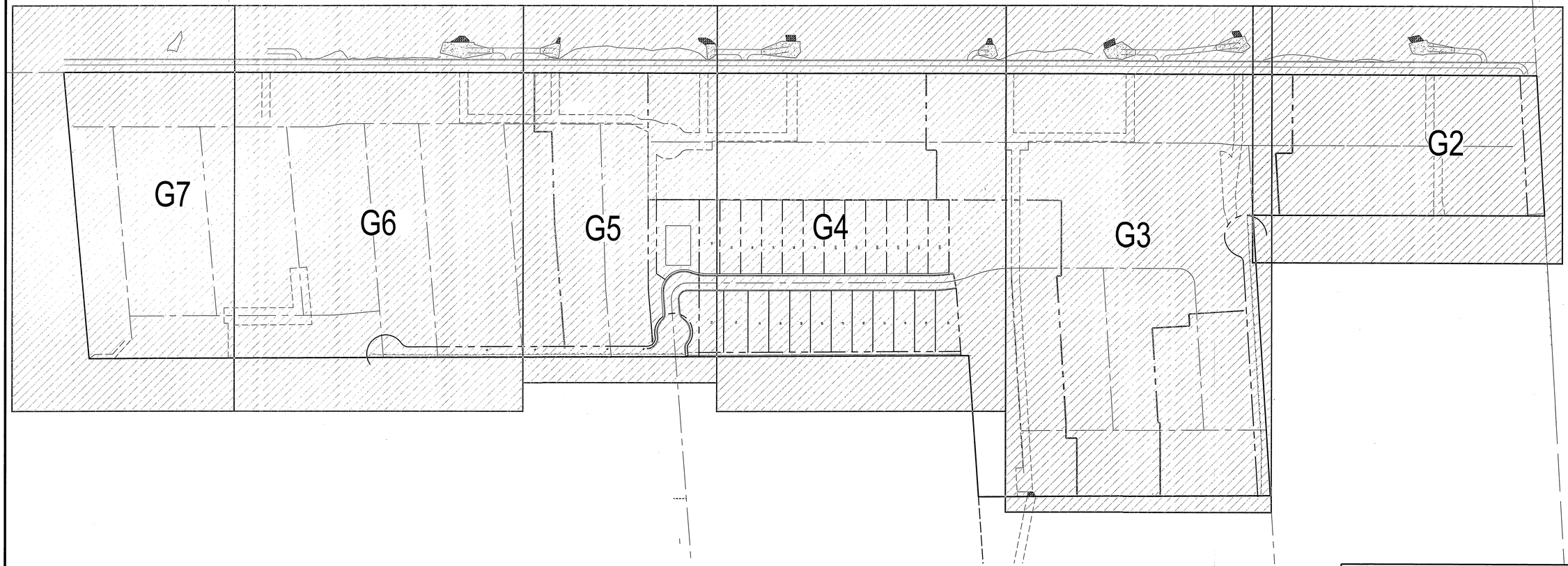
4. AT A MINIMUM, THE CONTRACTOR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER AND ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECCESSARY. SOME EXCEPTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION IIIA.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

CLV GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTEDED DUIRING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMDEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE REL



NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10065 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-9233

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN KEY MAP

SCALE

120 0 60 120 240 480

(IN FEET)
1 inch = 120ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

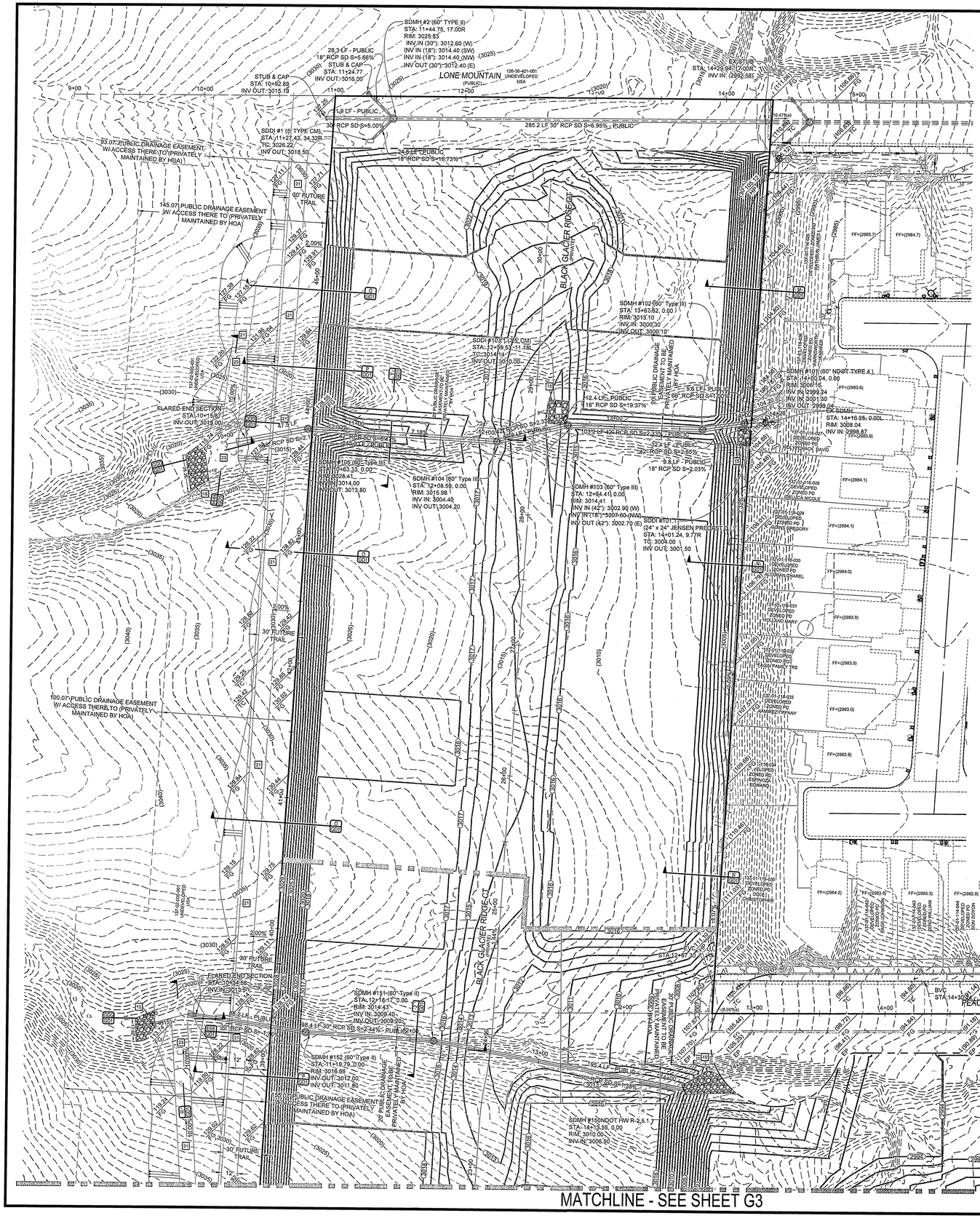
DATE: 9/17/2013
SCALE: 1"=120'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G1
SHEET: 03 OF 17

CLV

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: GRADING PLANS.DWG



LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDERS OFFICE, NEVADA.

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD2 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

CONSTRUCTION NOTES

1 — 24" L-TYPE CURB & GUTTER (USD #216)
2 — 4.0' SIDEWALK (USD #234)
3 — 8.0' CROSS GUTTER (USD #228)
4 — 5.0' SIDEWALK (USD #234)
5 — AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6 — SAWCUT & MATCH EXISTING AC PAVEMENT
7 — SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8 — RESIDENTIAL DRIVEWAY (USD #223)
9 — SIDEWALK UNDERDRAIN (USD #236)
10 — 10' MEANDERING SIDEWALK (USD #234)
11 — 3.0' CONCRETE FLUME (SEE DETAIL AA/GD1)
12 — A-TYPE CURB (USD #219)
13 — INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14 — NOT USED
15 — RIPRAP: D50=12", THICKNESS=24"
16 — NOT USED
17 — 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD3)
18 — NOT USED
19 — GROUTED RIPRAP: D50=18", THICKNESS=36"
20 — NDOT HEADWALL (SEE DETAIL YY/GD3)
21 — 4" COMPACTED TYPE II AGGREGATE
22 — INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD2)

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,564 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NEVADA 89118
(702) 362-8844 FAX: (702) 362-6233

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
ENGINEER'S SEAL
9/17/13

DATE: 9/17/2013
SCALE: 1"=40'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G2
SHEET: 04 OF 17
CLV

FILE NAME: GRADING PLANS.DWG

MATCHLINE - SEE SHEET G2

MATCHLINE - SEE SHEET G4

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD1)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. NOT USED
15. RIPRAP: D50=12", THICKNESS=24"
16. NOT USED
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD3)
18. NOT USED
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD3)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD2)

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD2 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

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SCALE

40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-11W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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FLOOD ZONE

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GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

DRAINAGE EASEMENT NOTE

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1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
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FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5220 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NEVADA 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

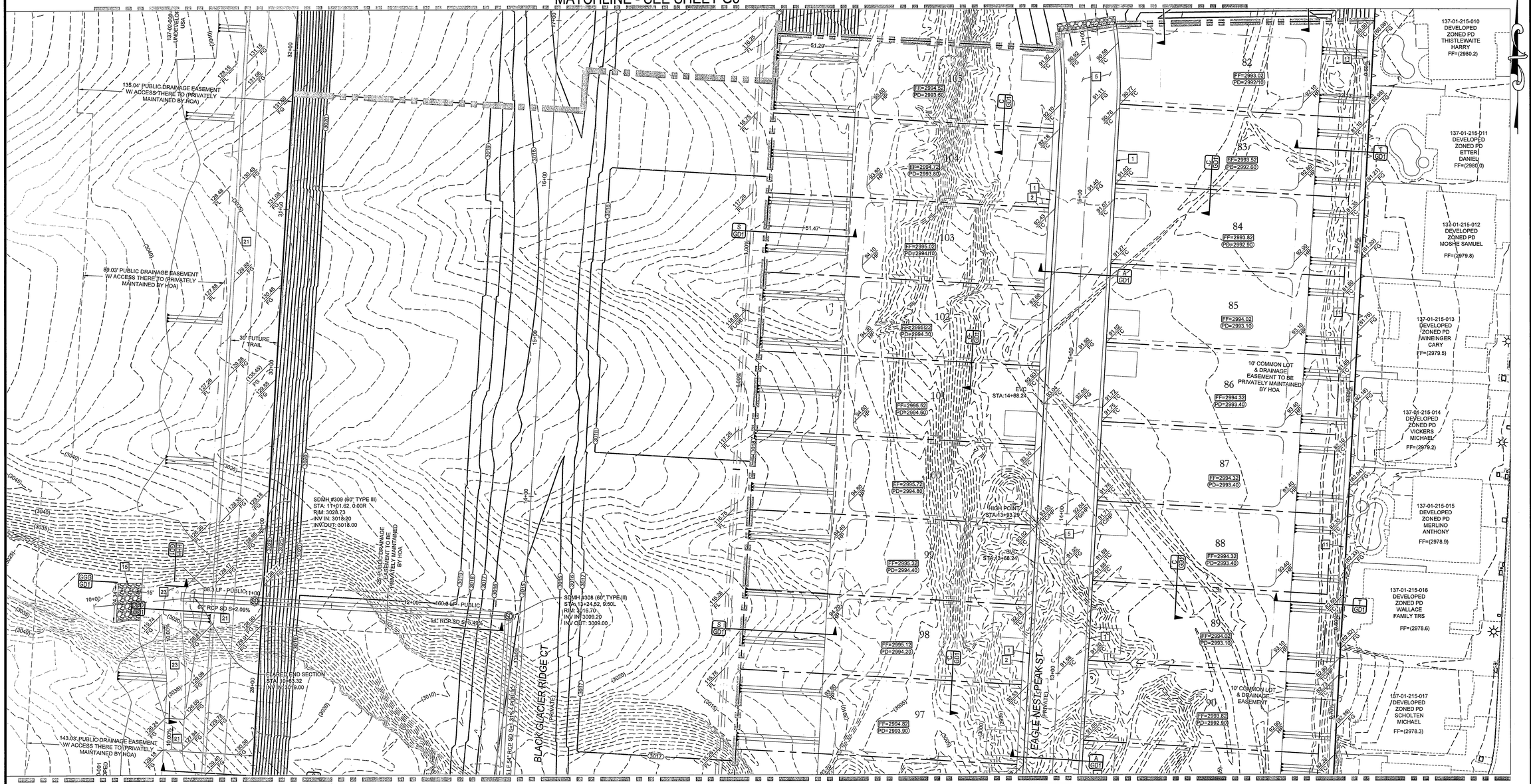
GRADING PLAN

ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=40'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	G3
SHEET:	05 OF 17

CLV

MATCHLINE - SEE SHEET G3



MATCHLINE - SEE SHEET G5

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4800, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD2 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

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DRAINAGE EASEMENT NOTE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.080'M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

1 — 24" L-TYPE CURB & GUTTER (USD #216)
2 — 4.0' SIDEWALK (USD #234)
3 — 8.0' CROSS GUTTER (USD #228)
4 — 5.0' SIDEWALK (USD #234)
5 — AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6 — SAWCUT & MATCH EXISTING AC PAVEMENT
7 — SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8 — RESIDENTIAL DRIVEWAY (USD #223)
9 — SIDEWALK UNDERDRAIN (USD #236)
10 — 10' MEANDERING SIDEWALK (USD #234)
11 — 3.0' CONCRETE FLUME (SEE DETAIL AA/GD1)
12 — A-TYPE CURB (USD #219)
13 — INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14 — NOT USED
15 — RIPRAP: D50=12", THICKNESS=24"
16 — NOT USED
17 — 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD3)
18 — NOT USED
19 — GROUTED RIPRAP: D50=18", THICKNESS=36"
20 — NDOT HEADWALL (SEE DETAIL YY/GD3)
21 — 4" COMPACTED TYPE II AGGREGATE
22 — INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD2)

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Call Before You Dig
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FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G4
SHEET: 06 OF 17

CLV

MATCHLINE - SEE SHEET G4

143.03' PUBLIC DRAINAGE EASEMENT W/ ACCESS THERE TO (PRIVATELY MAINTAINED BY HOA)
137-02-000-001 UNDEVELOPED USA
30' FUTURE TRAIL
FLARED END SECTION STA: 10+67.68 INV IN: 3022.70
35.6 LF - PUBLIC 24" RCP SD S=14.03%
156.5 LF 18" RCP SD S=5.02% - PUBLIC
SDMH #307.2 (60" TYPE I) STA: 10+68.93, 0.00 RIM: 3028.80 INV IN: 3012.70 INV OUT: 3011.50
SDMH #307 (60" TYPE III) STA: 11+10, -9.49L RIM: 3015.48 INV IN (54"): 3006.20 (N) INV IN (18"): 3009.50 (W) INV IN (18"): 3009.50 (E) INV OUT (54"): 3006.00 (S)
SDMH #306 (60" TYPE III) STA: 10+28.99, -9.50L RIM: 3014.82 INV IN (54"): 3004.40 (N) INV OUT (54"): 3004.20 (SE)
SDMH #305.2 (60" TYPE II) STA: 24+91.66, 14.22R RIM: 3014.93 INV IN: 3005.15 INV OUT: 3004.65
SDMH #305.3 (60" TYPE III) STA: 24+37.09, 11.50L RIM: 3015.79 INV IN: 3006.20 INV OUT: 3006.00
114.03' PUBLIC DRAINAGE EASEMENT W/ ACCESS THERE TO (PRIVATELY MAINTAINED BY HOA)
FLARED END SECTION STA: 10+57.68 INV IN: 3023.30
20' PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY HOA
20' PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY HOA
245.5 LF 54" RCP SD - PUBLIC
BLACK
SDDI #307.1 (5' CM) STA: 14+70.55, 28.00L TC: 3014.94 INV OUT 3010.50
SDMH #305 (60" NDOT TYPE 4) STA: 15+12.58, 0.00 RIM: 3013.62 INV IN (54"): 3003.50 (NW) INV IN (42"): 3004.00 (W) INV IN (18"): 3009.50 (NE) INV OUT (54"): 3003.30 (E)
SDDI #305.1 (10' CM) STA: 16+38.80, 10.67L TC: 3014.28 INV OUT: 3010.00
EX SDMH #303 (60" TYPE III) STA: 19+10.57, 0.00 RIM: 2989.45 INV IN: 2978.40 INV OUT: 2978.20
SDDI #304.1 (10' CM) STA: 16+38.80, 10.67L TC: 3014.28 INV OUT: 3010.00
EX SDMH #304 (60" TYPE III) STA: 17+50.44, 0.00 RIM: 2997.21 INV IN: 2989.00 INV OUT: 2988.80
SDDI #401 (10' CM) STA: 17+13.62, 19.99L TC: 2978.51 INV OUT: 2972.68
EX SDMH #302 4'x8' INSIDE DIM BUBBLER STRUCTURE W/ (2) 4'x4' GRATES TC=2980.20 STA: 18+11.14, 0.00 RIM: 2989.06 INV IN: 2973.50 INV OUT: 2973.20
SDMH #402 (60" 48" EX.) STA: 16+38.96, 6.12L RIM: 2978.67 INV IN: 2972.96 INV IN: 2973.67 INV OUT: 2972.67
DIAMOND CASTLE LN. (PRIVATE)
EVC STA:11+75.00
137-01-215-018 DEVELOPED ZONED PD JUGUETA ANTHONY FF=(2977.9)
137-01-215-019 DEVELOPED ZONED PD MAURER BERNARD FF=(2977.5)
10' COMMON LOT & DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY HOA
STANGE AVE (PUBLIC)
SDMH #301 (60" TYPE III) STA: 20+92.54, 0.00 RIM: 2976.50 INV IN: 2969.40 INV OUT: 2969.20
SDMH #300 (60" EX) STA: 20+99.90, 0.00L RIM: 2977.72 INV IN: 2969.41
EX 108.0 LF 48" RCP SD S=5.18%
EX 30" RCP SD @ S=10.27%
EX 30" RCP SD @ S=1.97%
EX 30.1 LF 36" RCP SD S=0.93%
EX 15" TYPE DM2 D.I.
EX 70.4 LF - PUBLIC 24" RCP SD S=5.45%
EX 18-3 LF - PUBLIC 24" RCP SD S=5.67%
127.7 LF - PUBLIC 24" RCP SD S=4.58%
FF=(2978.3)
FF=2994.62 PD=2993.70
FF=2993.52 PD=2992.80
FF=2994.22 PD=2993.30
FF=2993.82 PD=2992.90
FF=2993.42 PD=2992.50
FF=2993.72 PD=2992.80
PD=2993.90
PD=2993.50
PD=2992.20
PD=2992.50
PD=2992.80
PD=2993.10
PD=2993.40
PD=2993.70
PD=2994.00
PD=2994.30
PD=2994.60
PD=2994.90
PD=2995.20
PD=2995.50
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PD=2996.10
PD=2996.40
PD=2996.70
PD=2997.00
PD=2997.30
PD=2997.60
PD=2997.90
PD=2998.20
PD=2998.50
PD=2998.80
PD=2999.10
PD=2999.40
PD=2999.70
PD=3000.00
PD=3000.30
PD=3000.60
PD=3000.90
PD=3001.20
PD=3001.50
PD=3001.80
PD=3002.10
PD=3002.40
PD=3002.70
PD=3003.00
PD=3003.30
PD=3003.60
PD=3003.90

MATCHLINE - SEE SHEET G5

MATCHLINE - SEE SHEET G7

FILE NAME: GRADING PLANS.DWG

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD2 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.069M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

1 — 24" L-TYPE CURB & GUTTER (USD #216)
2 — 4.0' SIDEWALK (USD #234)
3 — 8.0' CROSS GUTTER (USD #228)
4 — 5.0' SIDEWALK (USD #234)
5 — AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6 — SAWCUT & MATCH EXISTING AC PAVEMENT
7 — SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8 — RESIDENTIAL DRIVEWAY (USD #223)
9 — SIDEWALK UNDERDRAIN (USD #236)
10 — 10' MEANDERING SIDEWALK (USD #234)
11 — 3.0' CONCRETE FLUME (SEE DETAIL AA/GD1)
12 — A-TYPE CURB (USD #219)
13 — INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14 — NOT USED
15 — RIPRAP: D50=12", THICKNESS=24"
16 — NOT USED
17 — 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD3)
18 — NOT USED
19 — GROUTED RIPRAP: D50=18", THICKNESS=36"
20 — NDOT HEADWALL (SEE DETAIL YY/GD3)
21 — 4" COMPACTED TYPE II AGGREGATE
22 — INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD2)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE, SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-9233

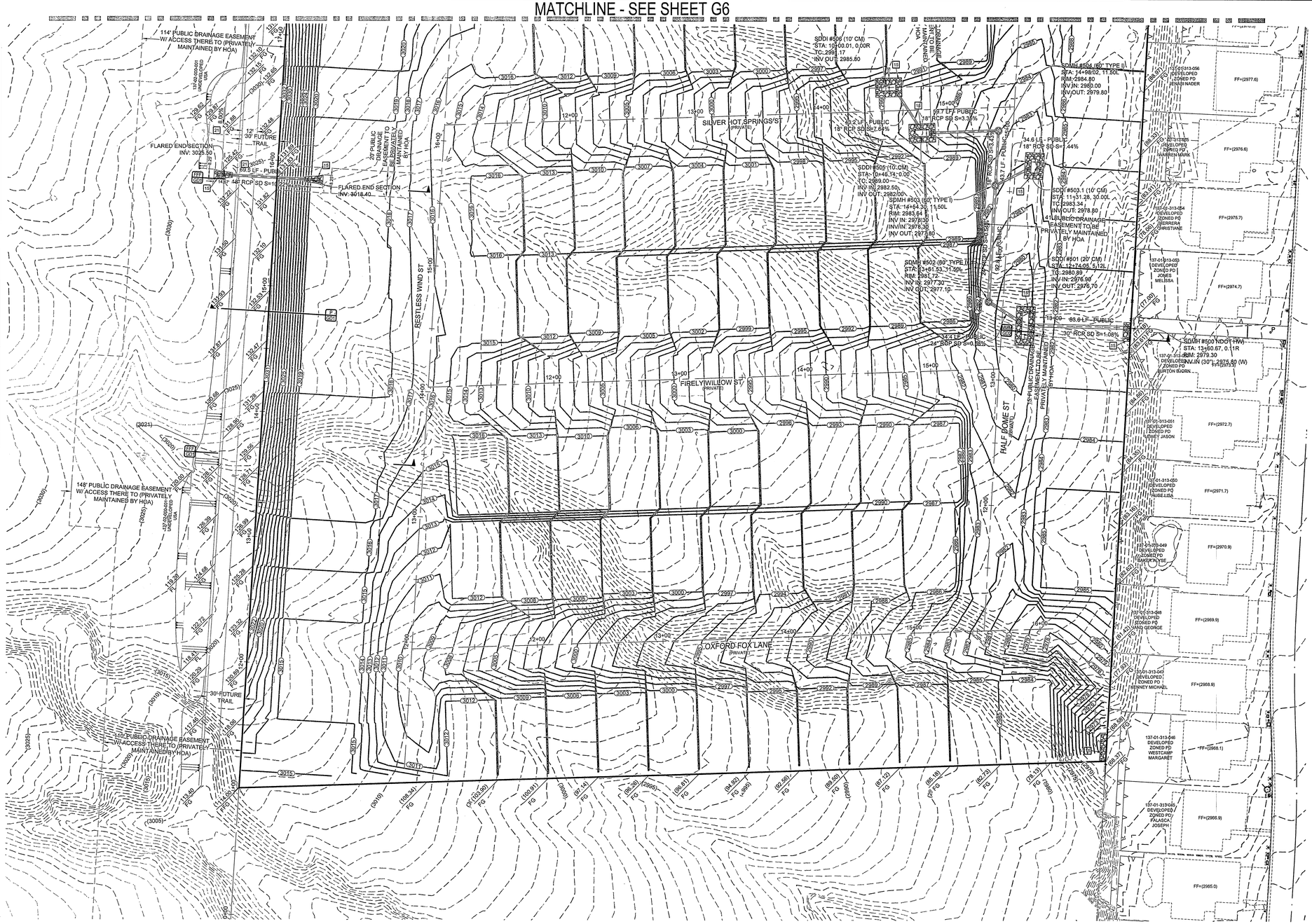
PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

REGISTERED PROFESSIONAL ENGINEER — ROBERT D. CUNNINGHAM — Exp. 12-31-14 — CIVIL — No. 15729 — STATE OF NEVADA
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=40'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G6
SHEET: 08 OF 17

CLV



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD1)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. NOT USED
15. RIPRAP: D50=12", THICKNESS=24"
16. NOT USED
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD3)
18. NOT USED
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD3)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD2)

SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
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EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,564 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD2 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811 OR 1-800-227-2600

FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #220
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

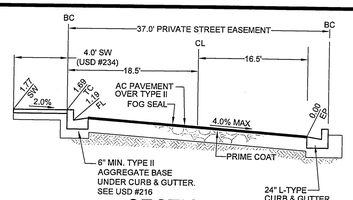
PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

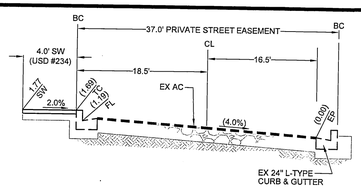
ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=40'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	G7
SHEET:	09 OF 17

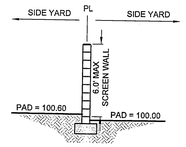
CLV



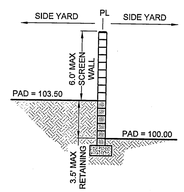
SECTION A
TYPICAL 41-FT WIDE PRIVATE DRIVE



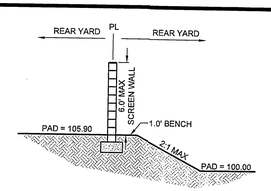
SECTION B
TYPICAL 41-FT WIDE PRIVATE DRIVE



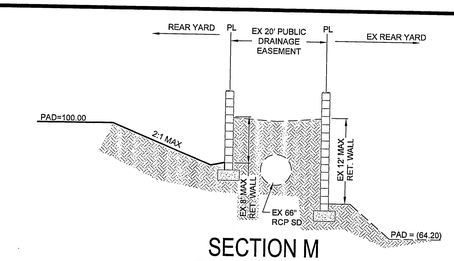
SECTION C
SIDE / SIDE YARDS



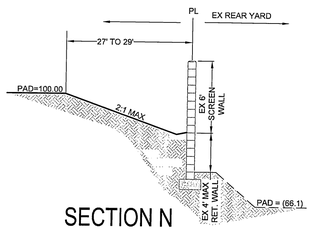
SECTION J
SIDE/SIDE YARDS



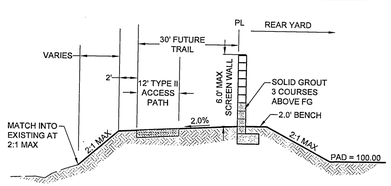
SECTION L
REAR/REAR YARDS



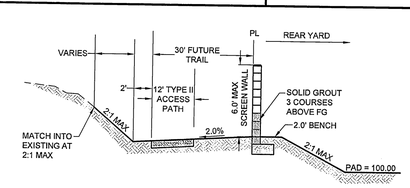
SECTION M
EAST BOUNDARY



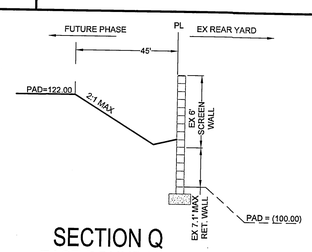
SECTION N
EAST BOUNDARY



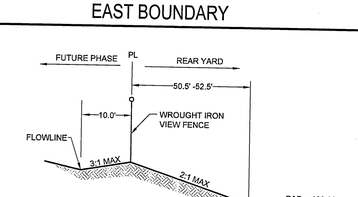
SECTION O
WEST BOUNDARY



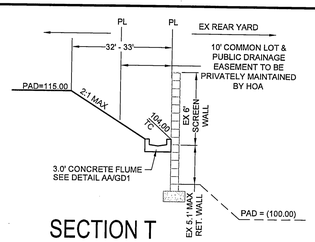
SECTION P
WEST BOUNDARY



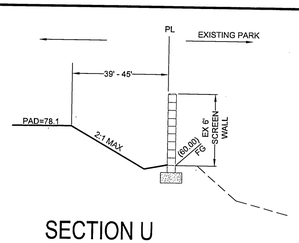
SECTION Q
EAST BOUNDARY



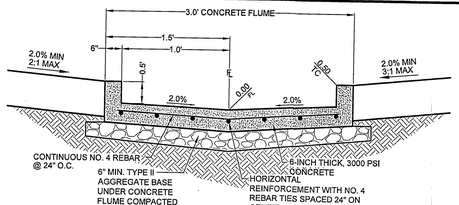
SECTION S
REAR/REAR YARDS



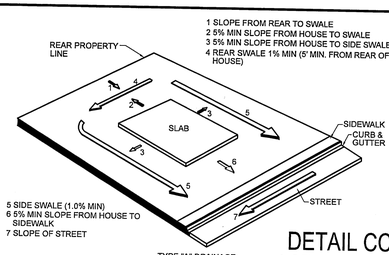
SECTION T
EAST BOUNDARY



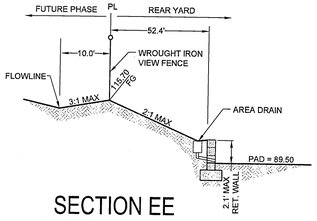
SECTION U
EAST BOUNDARY



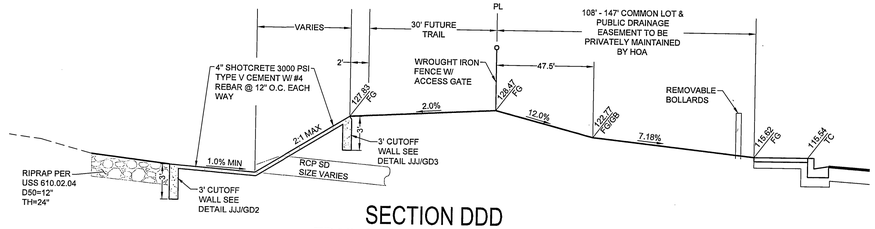
DETAIL AA
3.0' CONCRETE FLUME



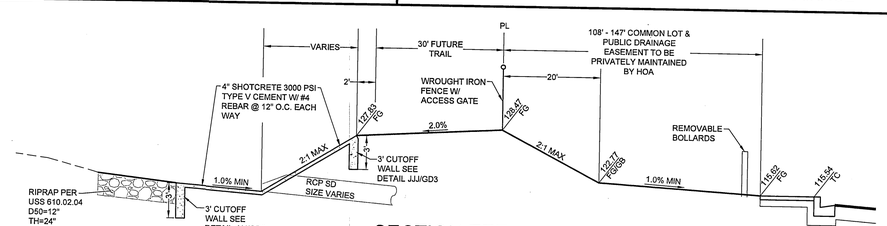
DETAIL CC
LOT DRAINAGE



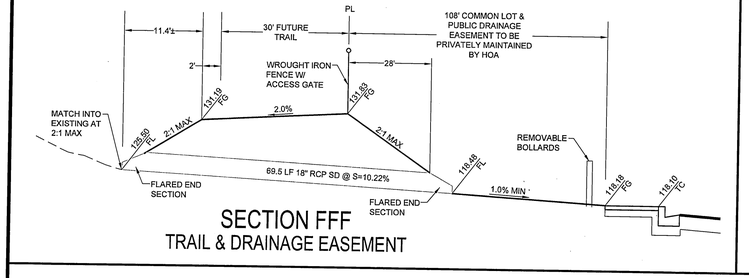
SECTION EE
REAR/REAR YARDS



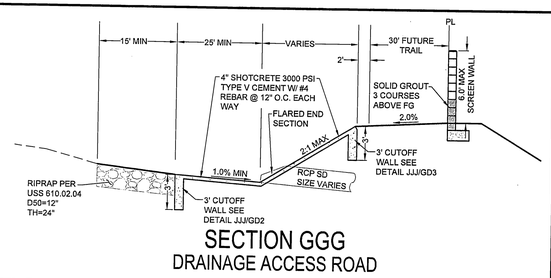
SECTION DDD
TRAIL & DRAINAGE EASEMENT



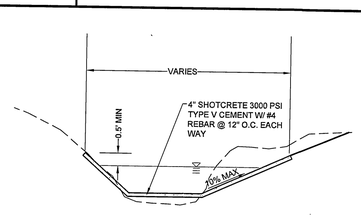
SECTION EEE
TRAIL & DRAINAGE EASEMENT



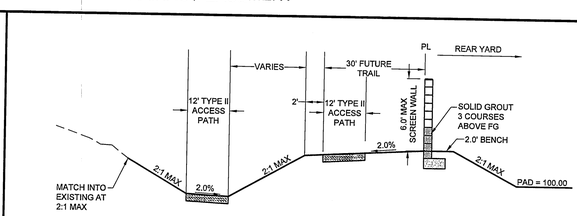
SECTION FFF
TRAIL & DRAINAGE EASEMENT



SECTION GGG
DRAINAGE ACCESS ROAD



SECTION HHH
ACCESS ROAD & BERM



SECTION III
WEST BOUNDARY

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10555 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

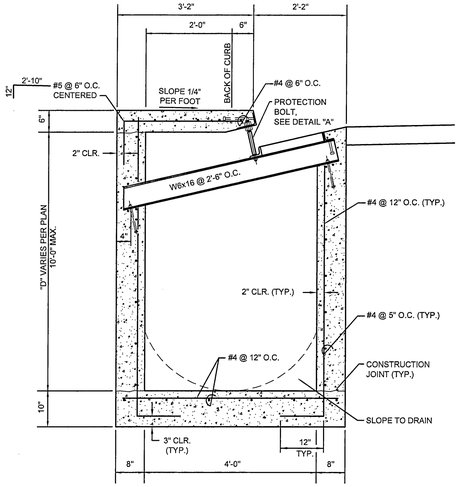
GRADING DETAILS AND SECTIONS

ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15725
PROFESSIONAL ENGINEER
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD1
SHEET:	10 OF 17

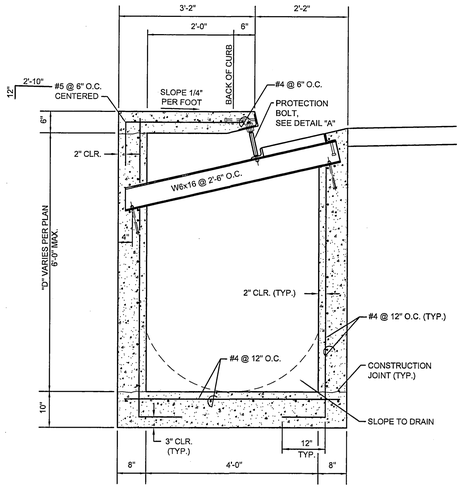
CLV

FILE NAME: GRADING DETAILS.DWG



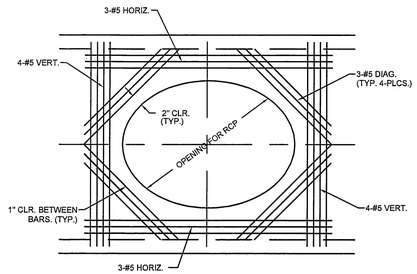
TYPE "CM" DROP INLET SECTION (8' TO 10' DEEP)

SCALE 3/4"=1'



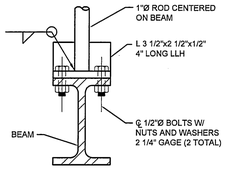
TYPE "CM" DROP INLET SECTION (6' DEEP MAX.)

SCALE 3/4"=1'



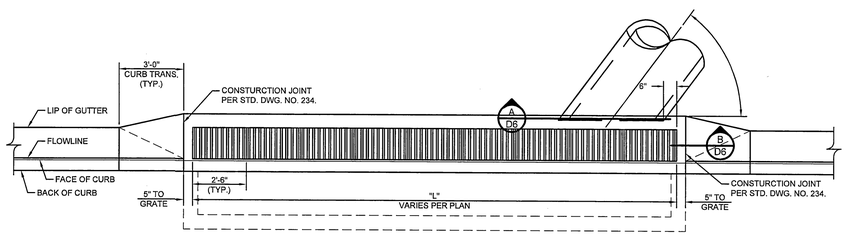
SECTION "A"

SCALE 3/4"=1'



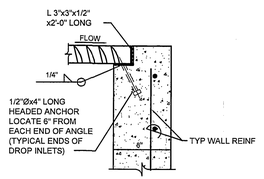
DETAIL "B"

SCALE 3"=1'



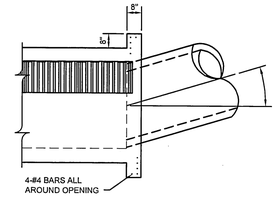
DROP INLET LAYOUT PLAN

SCALE 3/8"=1'



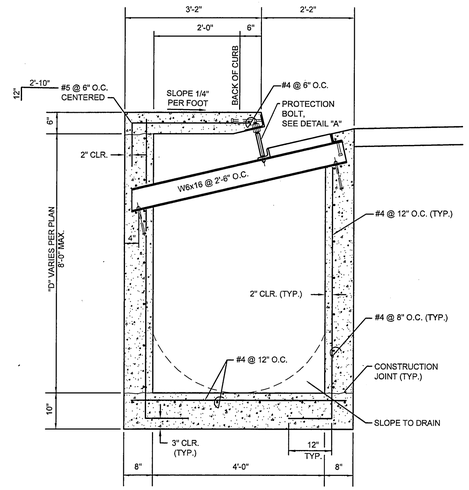
SECTION "B"

SCALE 1-1/2"=1'



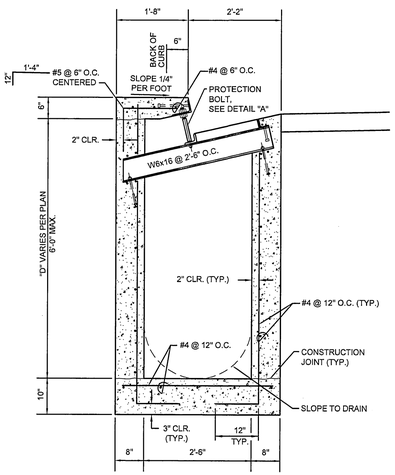
ALTERNATE CONNECTION DETAIL

SCALE 3/8"=1'



TYPE "CM" DROP INLET SECTION (6' TO 8' DEEP)

SCALE 3/4"=1'



TYPE "DM" DROP INLET SECTION

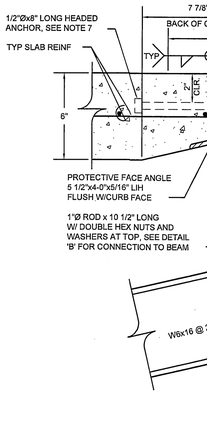
SCALE 3/4"=1'

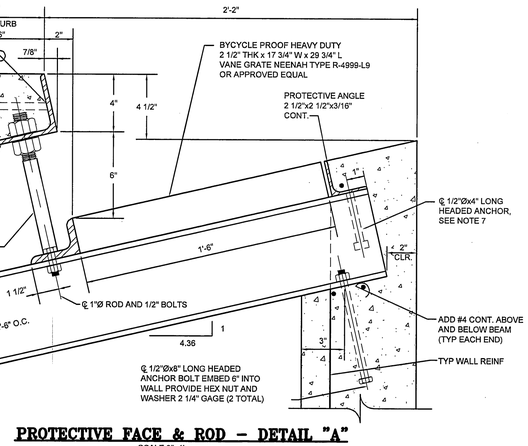
NOTES:

1. ALL EXPOSED METALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. PROVIDE 1/2" (MIN.) CLEARANCE ALL AROUND THE STEEL BEAM, DRY PACK AFTER INSTALLATION.
3. WHEN REQUIRED BY LENGTH OF OPENING, PLATE ANGLE MAYBE DELIVERED IN SECTIONS AND BUTT WELDED IN PLACE.
4. ALL GALVANIZING DAMAGED BY WELDING SHALL RECEIVE TWO COATS OF GALVALLOY OR EQUAL.
5. CONCRETE SHALL BE MODIFIED CLASS DA, SEE SPECIAL PROVISIONS SECTION 501.
6. SEE GENERAL NOTES FOR STRUCTURES ON DWG D8.
7. ANGLE ANCHORS SHALL BE EMBEDDED MIDPOINT IN EACH ENDWALL AND EVENLY SPACED. (MAXIMUM SPACING OF 2')

DETAIL XX

TYPE 'CM' DROP INLET

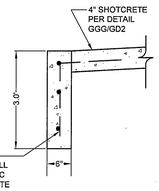




PROTECTIVE FACE & ROD – DETAIL "A"

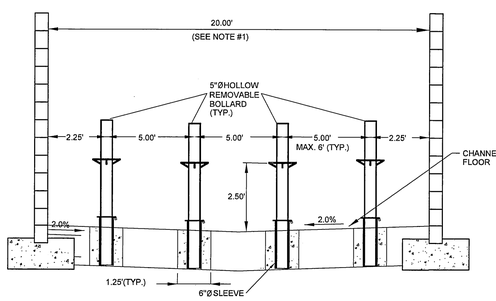
SCALE 3"=1'

*NOTE:
6" MIN. CLEARANCE AROUND EXISTING UNDERGROUND UTILITIES



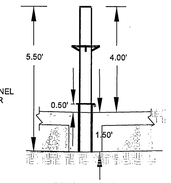
DETAIL JJJ

3.0' CUT-OFF WALL



SECTION A-A'

NOTE #1: 20' STANDARD WIDTH, DIFFERENT WIDTHS TO BE DESIGNED ACCORDINGLY.



ONE PERCENT MINIMUM SLOPE THROUGH DRAINAGE SLAB IS REQUIRED. WHERE A STORM DRAIN LINE IS AVAILABLE IN THE EXTERIOR STREET, A STORM DRAIN INLET AT THE BEGINNING OF THE EASEMENT AND AN 18-INCH MINIMUM STORM DRAIN PIPE IS REQUIRED TO COVEY NUISANCE WATER THROUGH THE EASEMENT.

GENERAL NOTE: GATE AND FENCE CONSTRUCTION IS INTENDED TO PREVENT STORAGE OF MATERIALS AND VEHICLES WITHIN CHANNEL. PREVENTION OF PEDESTRIAN USE MAY BE IMPAIRED, BUT THE DESIGN IS NOT INTENDED TO PREVENT PEDESTRIAN TRAFFIC. BOLLARDS MAY BE USED IN LIEU OF GATE IF PEDESTRIAN ACCESS IS DESIRED.

NOTE: BOLLARDS AND SLEEVE WILL BE EMBEDDED IN FRESH CONCRETE. WHEN PLACED IN HARDENED CONCRETE, THE SIZE OF THE CORINGS WILL BE 10" FOR BOLLARDS, AND 12" FOR SLEEVE BOLLARDS AND SLEEVE TO BE FULLY GROUTED WITH HIGH STRENGTH GROUT.

NOTE: ALL STEEL USED FOR BOLLARDS AND SLEEVE WILL BE SCHEDULE 40. EXPOSED STEEL WILL BE PRIMERED AND PAINTED YELLOW.

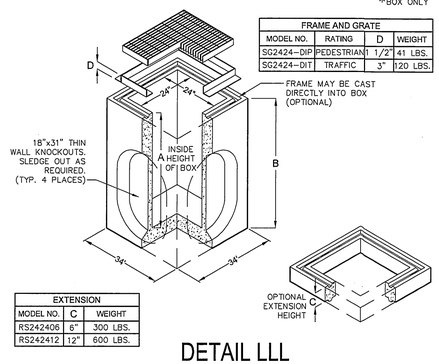
DETAIL KKK

REMOVABLE BOLLARDS

DROP INLET			
MODEL NO.	A	B	*WEIGHT
DI242436	36"	42"	1900 LBS.
DI242448	48"	54"	2500 LBS.

*BOX ONLY

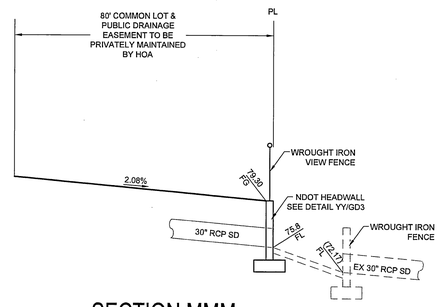
FRAME AND GRATE			
MODEL NO.	RATING	D	WEIGHT
SG2424–DIP	PEDESTRIAN	1 1/2"	41 LBS.
SG2424–DIT	TRAFFIC	3"	120 LBS.



EXTENSION		
MODEL NO.	C	WEIGHT
RS242406	6"	300 LBS.
RS242412	12"	600 LBS.

DETAIL LLL

24" X 24" JENSEN PRECAST DROP INLET



SECTION MMM

TRAIL & DRAINAGE EASEMENT

FILE NAME: GRADING DETAILS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5023

PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND SECTIONS

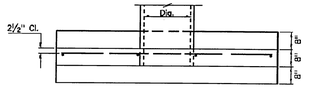
PROFESSIONAL ENGINEER — ROBERT D. CUNNINGHAM — Exp. 12-31-14 — CIVIL — No. 15726 — STATE OF NEVADA

9/17/13

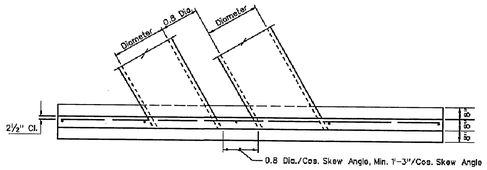
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD2
SHEET:	11 OF 17

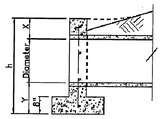
CLV



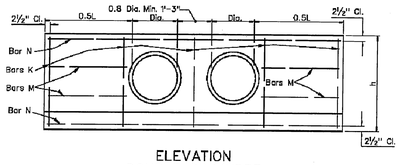
PLAN
SINGLE RCP/HDPE



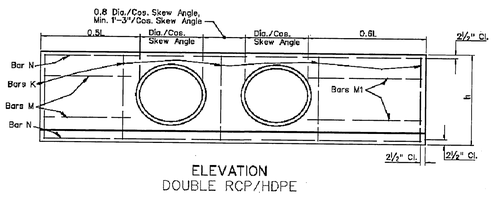
PLAN
DOUBLE RCP/HDPE



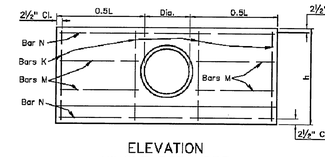
SECTION
FOR ALL HEADWALLS



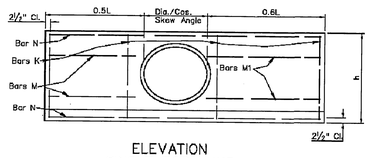
ELEVATION
DOUBLE RCP/HDPE



ELEVATION
DOUBLE RCP/HDPE



ELEVATION
SINGLE RCP/HDPE
0° SKEW



ELEVATION
SINGLE RCP/HDPE
15° TO 45° SKEW

SHEET 1 OF 2

NEVADA DEPARTMENT OF TRANSPORTATION

CULVERT HEADWALLS
12" TO 36" RCP/HDPE

Signed Original On File	R-2.5.1	(SCD)
CHIEF HYDRAULICS ENGINEER	ADOPTED 8/68	REVISION 1/78

DETAIL YY
NDOT HEADWALL

QUANTITIES SHOWN BELOW ARE FOR TWO HEADWALLS.

RCP/ HDPE SIZE DIA.	RCP/ HDPE AREA SQ FT	SINGLE RCP/HDPE								DOUBLE RCP/HDPE								X	Y	L	h
		0° SKEW		15° SKEW		30° SKEW		45° SKEW		0° SKEW		15° SKEW		30° SKEW		45° SKEW					
		CONC CU YD	STEEL LB	CONC CU YD	STEEL LB	CONC CU YD	STEEL LB	CONC CU YD	STEEL LB	CONC CU YD	STEEL LB	CONC CU YD	STEEL LB	CONC CU YD	STEEL LB	CONC CU YD	STEEL LB				
12"	0.78	1.00	46	1.02	49	1.10	49	1.14	50	1.41	59	1.52	62	1.58	64	1.73	67	10"	1'-2"	4'	3'
15"	1.23	1.32	55	1.45	58	1.47	59	1.52	60	1.80	70	1.93	73	2.01	75	2.18	79	10½"	1'-2½"	5'	3'-3½"
18"	1.77	1.62	69	1.77	73	1.80	74	1.85	75	2.15	85	2.31	89	2.40	91	2.60	96	10½"	1'-2½"	5' - 9"	3'-7½"
21"	2.41	1.95	77	2.13	82	2.16	83	2.23	85	2.59	95	2.79	101	2.90	103	3.13	108	10½"	1'-2½"	6' - 6"	3'- 10½"
24"	3.14	2.27	96	2.48	102	2.52	103	2.60	105	3.01	116	3.24	122	3.37	125	3.64	131	11"	1'-3"	7' - 3"	4'- 2"
27"	3.98	2.62	105	2.86	111	2.90	112	2.99	114	3.48	128	3.73	134	3.88	137	4.21	144	11"	1'-3"	8'	4'- 5"
30"	4.91	3.08	117	3.37	123	3.41	124	3.44	127	4.07	141	4.38	148	4.55	152	4.90	159	11½"	1'-3½"	9'	4'- 8"
33"	5.94	3.50	125	3.82	132	3.87	134	3.98	137	4.62	153	4.98	160	5.17	164	5.56	172	11½"	1'-3½"	9'- 9"	5'-1½"
36"	7.07	3.93	161	4.29	169	4.34	171	4.47	174	5.19	190	5.59	200	5.80	204	6.24	213	1'	1'-4"	10"- 8"	5'- 4"

QUANTITIES SHOWN BELOW ARE FOR ONE HEADWALL.

RCP/ HDPE SIZE DIA.	LENGTH OF REINFORCING BARS																
	SINGLE RCP/HDPE					SINGLE OR DOUBLE RCP/HDPE							DOUBLE RCP/HDPE				
	0°-45°	0°	15°	30°	45°	0°	15°		30°		45°		0°-45°	0°	15°	30°	45°
	NO. 4	NO. 5	NO. 5	NO. 5	NO. 5	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 5	NO. 5	NO. 5	NO. 5
	K	N	N	N	N	M	M	M1	M	M1	M	M1	K	N	N	N	N
12"	6'8" -9"	2'6" -9"	2'6" -2"	2'5" -4"	2'5" -7"	2'8" -7"	1'8" -5"	1'8" -1"	1'8" -4"	1'8" -2"	1'8" -1"	1'8" -5"	7'8" -9"	2'8"	2'7" -6"	2'7" -11"	2'8" -9"
15"	6'8" -1"	2'8"	2'8" -6"	2'8" -8"	2'8"	2'8" -9"	1'8" -11"	1'8" -8"	1'8" -10"	1'8" -7"	1'8" -10"	1'8" -7"	7'8" -1"	2'8" -8"	2'8" -8"	2'8" -2"	2'8" -7"
18"	6'8" -4"	2'8"	2'8" -8"	2'7" -10"	2'8" -2"	4'2" -5"	2'8" -3"	2'8" -1"	2'8" -2"	2'8" -2"	2'8" -1"	2'8" -5"	7'8" -4"	2'8" -9"	2'8" -9"	2'8" -6"	2'8" -1"
21"	6'8" -8"	2'8"	2'8" -9"	2'8" -11"	2'8" -5"	4'2" -9"	2'8" -7"	2'8" -6"	2'8" -6"	2'8" -3"	2'8" -7"	2'8" -3"	7'8" -8"	2'8" -2"	2'8"	2'8" -7"	2'8" -1"
24"	6'8" -11"	2'8"	2'8" -10"	2'8" -1"	2'8" -7"	4'3" -2"	2'8"	2'8" -4"	2'8" -3"	2'8" -4"	2'8" -3"	2'8" -10"	7'8" -8"	2'8" -11"	2'8" -7"	2'8" -10"	2'8" -10"
27"	8'4" -2"	2'8"	2'8" -11"	2'8" -6"	2'8" -9"	4'3" -6"	2'8" -4"	2'8" -4"	2'8" -3"	2'8" -5"	2'8"	2'8" -8"	9'4" -2"	2'8" -11"	2'8" -11"	2'8" -10"	2'8" -8"
30"	8'4" -6"	2'8" -3"	2'8" -3"	2'8" -7"	2'8" -2"	4'4"	2'8" -10"	2'8"	2'8" -9"	2'8" -7"	2'8" -6"	2'8" -4"	9'4" -6"	2'8" -9"	2'8" -9"	2'8" -9"	2'8" -7"
33"	8'4" -10"	2'8" -3"	2'8" -4"	2'8" -8"	2'8" -4"	4'4" -3"	2'8" -1"	2'8" -3"	2'8"	2'8" -9"	2'8" -4"	2'8" -7"	9'4" -10"	2'8" -7"	2'8" -6"	2'8" -5"	2'8" -6"
36"	10'6" -1"	2'8" -3"	2'8" -5"	2'8" -9"	2'8" -7"	5'4" -8"	3'4" -6"	3'5" -9"	3'4" -5"	3'5" -10"	3'4" -2"	3'5" -11"	11'5" -1"	2'8" -8"	2'8"	2'8"	2'8"

NOTES:

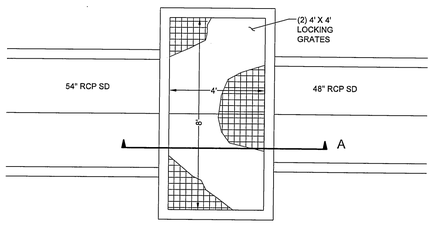
1. CONCRETE SHALL BE CLASS A OR AA.
2. REINFORCING STEEL SHALL BE DEFORMED BARS WITH MAXIMUM SPACING OF 18" SET 2½" CLEAR OF SURFACE OF CONCRETE EXCEPT AS NOTED. BAR ENDS SHALL BE KEPT 1½" CLEAR OF SURFACE OF CONCRETE. REINFORCING BARS MAY BE CUT AND BENT IN FIELD.
3. FOOTINGS SHOWN ARE OF MINIMUM DEPTH AND SHALL BE EXTENDED IF SOIL IS UNSUITABLE OR LIABLE TO SCOUR.
4. CULVERT PIPES TO BE SET ON A SKEW SHALL BE MITERED WHEN HEADWALLS ARE CONSTRUCTED. WHEN HEADWALLS ARE NOT CONSTRUCTED THE PIPES SHALL NOT BE MITERED EXCEPT IN OVERFLOW SECTION.
5. FOR ESTIMATING HEADWALL QUANTITIES ON SKEWED CULVERTS:
   0° to 10° - USE QUANTITIES FOR 0° SKEW.
   11° to 25° - USE QUANTITIES FOR 15° SKEW.
   26° to 40° - USE QUANTITIES FOR 30° SKEW.
   41° to 55° - USE QUANTITIES FOR 45° SKEW.
   OVER 55° - CALCULATE QUANTITIES REQUIRED.
   CULVERTS SHOULD BE INSTALLED ON 5° INCREMENTS WHERE IT IS FEASIBLE.
6. DIMENSIONS X,Y,L, AND h TO REMAIN CONSTANT REGUARDLESS OF MINOR VARIATIONS IN WALL THICKNESS DUE TO CLASS OR TYPE OF PIPE USED.
7. REFER TO SHEET R-2.9.1 FOR DETAILS IF CONNECTING TO HDPE PIPE.

SHEET 2 OF 2

NEVADA DEPARTMENT OF TRANSPORTATION

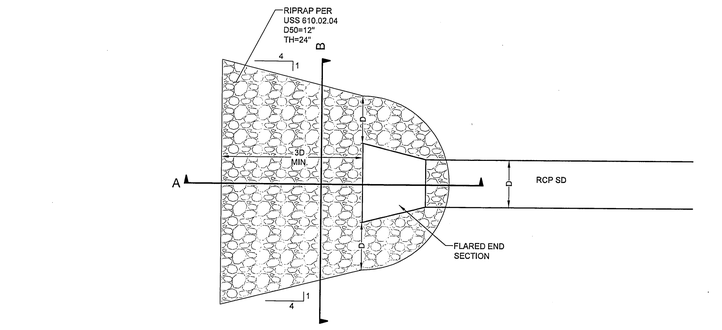
CULVERT HEADWALLS
12" TO 36" RCP/HDPE

Signed Original On File	R-2.5.1.1	(SCD)
CHIEF HYDRAULICS ENGINEER	ADOPTED 8/68	REVISION 1/78



SECTION A

DETAIL ZZ
8' X 4' BUBBLER STRUCTURE



DETAIL AAA
TYPICAL RCP ENTRANCE DETAIL

FILE NAME: GRADING DETAILS.DWG

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

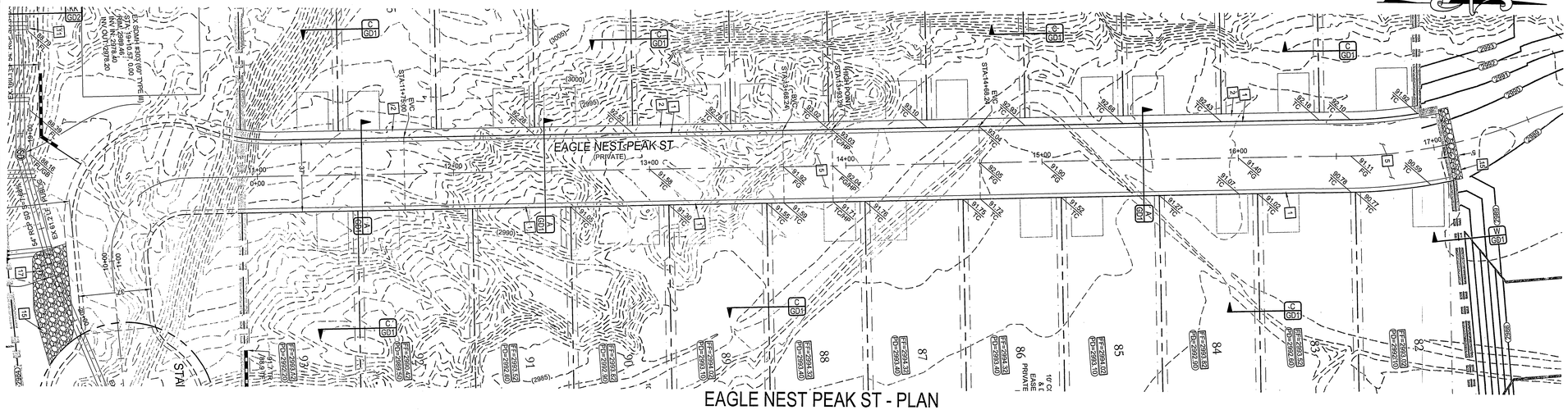
PEACEFUL RIDGE - PHASE 2
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND SECTIONS

ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
NO. 15726
ENGINEER'S SEAL
9/17/13

DATE: 9/17/2013
SCALE: NTS
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: GD3
SHEET: 12 OF 17

CLV


EAGLE NEST PEAK ST
(PRIVATE)
STA: 10+00.00
STA: 17+00.00
EX. MULTI-USE PKWY
EX. 8" PVC WATER
EX. 8" PVC SEWER
EX. 6" PVC WATER
EX. 8" PVC SEWER
EX. 6" PVC WATER
EX. 8" PVC SEWER
EX. 6

IMPROVEMENT PLANS
FOR
PEACEFUL RIDGE
PHASE 3 AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION
CITY OF LAS VEGAS, NEVADA
APN: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011, 012
137-01-301-001 & 002

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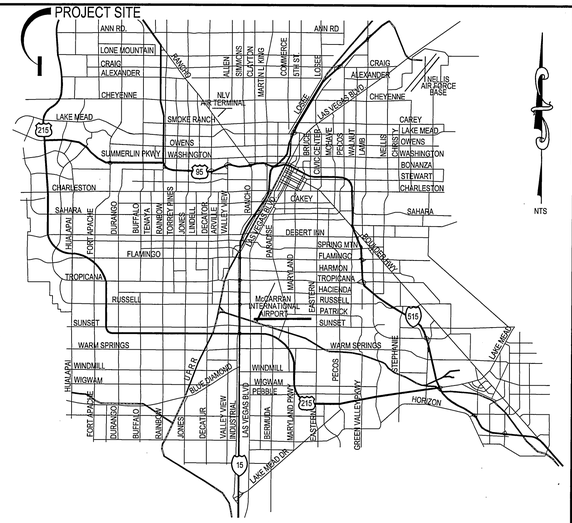
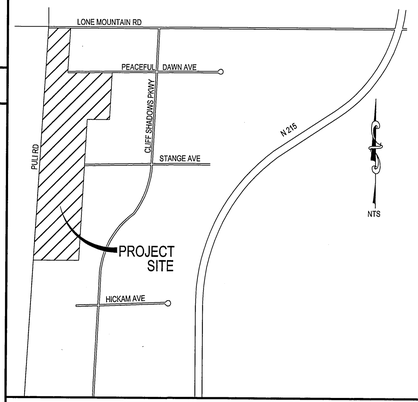
VICINITY MAP



SITE MAP



UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

DEVELOPER/OWNER

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 PHONE

ENGINEER

TANEY ENGINEERING COMPANY
6030 S. JONES BLVD STE #100
LAS VEGAS, NV 89118
(702) 362-8844 PHONE (702) 362-5233 FAX

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.069M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

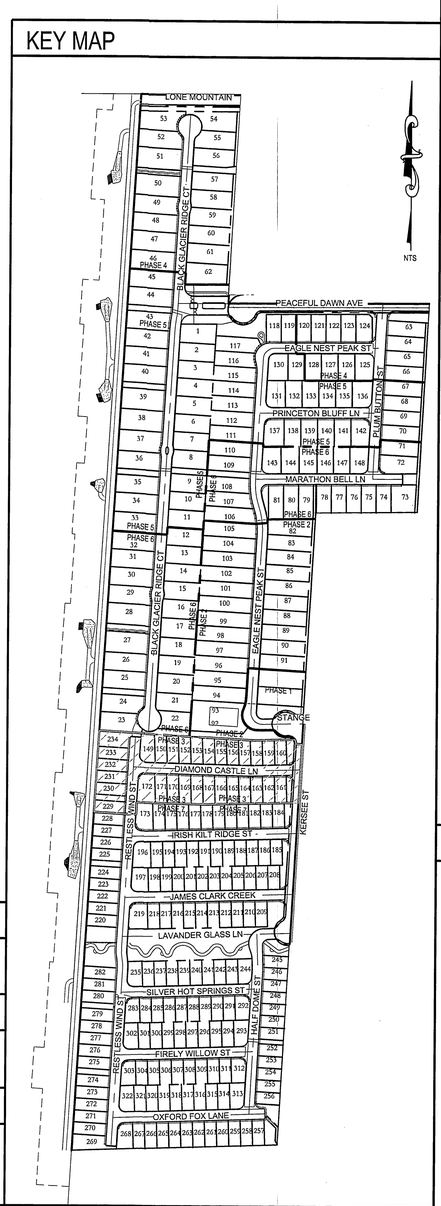
ABBREVIATIONS

AC	ASPHALTIC CONCRETE
BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BFE	BASE FLOOD ELEVATION
BFP	BACK FLOW PREVENTOR
BLM	BUREAU OF LAND MANAGEMENT
BM	BENCHMARK
BRPM	BLUE RAISED PAVEMENT MARKER
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM OF EXISTING WALL
CATV	CABLE TELEVISION
CC	CLARK COUNTY
CL	CENTERLINE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLV	CITY OF LAS VEGAS
CMP	CORRUGATED METAL PIPE
CNLV	CITY OF NORTH LAS VEGAS
CO	CLEAN OUT, SEWER
COH	CITY OF HENDERSON
CY	CUBIC YARD
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS OF WASTE WATER COLLECTION SYSTEMS
DG	DESIGN GRADE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
EC	END OF CURVE
EG	EXISTING GRADE
ELEC	ELECTRICAL
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX	EXISTING
FF	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FT	FEET
GB	GRADE BREAK
GFF	GARAGE FINISH FLOOR
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LT	LEFT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	POLYETHYLENE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLT	PLATE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PROJ	PROJECT
PRV	PRESSURE REDUCING VALVE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RT	RIGHT
SD	STORM DRAIN
SHT	SHEET
STLT	STREETLIGHT
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
SY	SQUARE YARD
TC	TOP OF CURB
TELE	TELEPHONE
TF	TOP OF FOOTING
TR	TOP OF RETAINING
TW	TOP OF WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
USD	UNIFORM STANDARD DRAWING
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
W	WATER
ZC	ZERO LIP CURB

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811 OR 1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

KEY MAP



LEGEND

	EXISTING	PROPOSED
DESIGN ELEVATION	(10.00)	10.00
FUTURE ELEVATION		[10.00]
SCARP (SLOPE VARIES)		
CONTOUR (1' INTERVAL)		
CONTOUR (5' INTERVAL)		
DIRECTION OF FLOW		
RETAINING WALL		
CMU WALL		
CENTERLINE		
RIGHT-OF-WAY		
CUT LINE-ASPHALT		
CURB AND GUTTER		
POWER POLE		
SIDEWALK RAMP		
CURB DROP INLET		
STORM DRAIN W/MANHOLE		
SIDEWALK		
PROPERTY LINE		
CUT-FILL LINE		
EDGE OF PAVEMENT		
SIGHT VISIBILITY ZONE		
CAP & 2" BLOW OFF VALVE		
WATERLINE FITTINGS		
GATE VALVE		
FIRE HYDRANT		
SEWER LINE W/MANHOLE		
SEWER LATERAL		
WATER LINE		
WATER LATERAL W/METER		
PRESSURE REDUCING VALVE		PRV
BACKWATER VALVE		BWV
200A SERVICE PEDESTAL		
STREET LIGHT CONDUIT		
F.A.S.T. CONDUIT		
TRAFFIC SIGN		
STOP SIGN W/STREET NAME SIGN		
100W HPS LUMINAIRE W/11 GA. POLE		
250W HPS LUMINAIRE W/11 GA. POLE		
400W HPS LUMINAIRE W/11 GA. POLE		HPS

APPROVAL SIGNATURES

APPROVED FOR CONSTRUCTION

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

DAVID BOWERS, P.E., P.T.O.E. (P.E.#16736) — DATE
ACTING CITY ENGINEER -- CITY OF LAS VEGAS
APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-0F-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARD IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA.

DOUG RANKIN, AICP PLANNING MANAGER — DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER — DATE
(PROJ# XXXXXX), SHEETS:

COX COMMUNICATIONS LAS VEGAS, INC. — DATE

SOUTHWEST GAS — DATE

CENTURYLINK — DATE
"THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

NV ENERGY — DATE
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

REVISIONS

NO.	DESCRIPTION	SHTS.	APPR.	DATE

THM ENTERPRISE LLC
10655 PARK RUN DRIVE, SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 3
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

COVER SHEET

PROFESSIONAL ENGINEER — ROBERT DK CUNNINGHAM, Exp. 12-31-13, CIVIL, No. 15726 — STATE OF NEVADA
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: N.T.S.
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: C1
SHEET: 01 OF 07

CLV

FILE NAME: COVER SHEET.DWG

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB, 8, AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY AMERICAN SOILS ENGINEERING, LLC REPORT NO: 1588-GEO DATE 06/04/12 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE OFFSITE INSPECTION AND TESTING SECTION PRIOR TO PROJECT ACCEPTANCE. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY STATE PLANE COORDINATES WHICH SHALL BE BASED ON THE "NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE" AS DEFINED BY THE NEVADA REVISED STATUTES CHAPTER 327, AND TIED TO THE CITY OF LAS VEGAS VERTICAL CONTROL BENCHMARK NETWORK. COORDINATES MUST BE CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF +/- 0.1 METER (+/- 0.3 FEET). A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. SANITARY SEWER SERVICE LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE SEWER SERVICE LATERAL TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXITS THE PUBLIC RIGHT-OF-WAY. STORM DRAIN LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE STORM DRAIN LATERAL TO THE STORM DRAIN MAIN AND WHERE THE STORM DRAIN LATERAL EXITS THE PUBLIC RIGHT-OF-WAY OR WHERE THE STORM DRAIN LATERAL CONNECTS TO A DROP INLET. THE MARKER BALL SHALL BE 3M 4" MARKER BALL 1404-XR OR APPROVED EQUAL.

23. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

24. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

CLV TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECTS OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CLV FIRE DEPARTMENT NOTES

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6124 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS. AUTHORIZED FIRE

HYDRANTS ARE AS FOLLOWS:
- KENNEDY - GUARDIAN MODELS K81A AND K81D
- MUELLER - SUPER CENTURION 250, MODEL A-423
- CLOW -MEDALLION MODEL F-2546LVD
- TROY VALVE - PATRIOT MODEL PT8100N, NEVADA HYDRANT
- U.S.PIPE - METROFLOWIM-03

A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.

ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. SNFC #6124, SECTION 1412.

TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. SNFC #6124 SECTION 507.5.7.3

ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. SNFC 507.2.1, NFPA 24

PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC 507; SNFC 507.5.7

PRIVATE HYDRANTS SHALL BE PAINTED RED. SNFC 507.5.7.1

PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507; SNFC 507.1

FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: SNFC C102
- RESIDENTIAL – 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
- COMMERCIAL – 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.

WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. SNFC C102.14

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. SNFC C102.12

A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC 102.4 THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC C102.7

THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. SNFC 102.6

TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.

ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. SNFC 503.2.3

THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. SNFC 503.2.7 / 503.2.8

THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. SNFC 503.2.4

VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. SNFC 503.2.1.1 / IFC 503

FIRE DEPARTMENT ACCESS ROADS IN ALL RESIDENTIAL DEVELOPMENTS (EXCEPT APARTMENT BUILDINGS) SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 36 FT FLOW LINE TO FLOW LINE (THIS WIDTH MAY BE REDUCED TO 24 FT IF ALL BUILDINGS FRONTING THE STREET ARE SPRINKLERED) FOR MAIN RESIDENTIAL STREETS, WITH PARKING PERMITTED ON BOTH SIDES OF THE STREET. PRIVATE DRIVE AISLES, DRIVEWAYS, ETC. SHALL BE ALLOWED TO BE REDUCED TO A MINIMUM WIDTH OF 24 FT FLOW LINE TO FLOW LINE WHEN SERVING NO MORE THE 6 RESIDENTS, AND WHEN ON STREET PARKING IS DISALLOWED. SNFC 503.2.1 / 503.2.11

ALL FIRE APPARATUS ACCESS ROADS IN COMMERCIAL DEVELOPMENTS AND APARTMENT COMPLEXES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FT (FLOW LINE TO FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE; 32 FT (FLOW LINE TO FLOW LINE), WITH PARALLEL PARKING ON ONE SIDE. AND 36 FT (FLOW LINE TO FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. THESE WIDTHS MAY BE REDUCED TO 24 FT IF SPRINKLERED. SNFC 503.2.1.1

A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC 503.1.1 / SNFC 503.11

APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, AND FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL DEVELOPMENTS. SNFC 503.1.2

ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. SNFC 503.2.5

ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. SNFC 503.3

ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES. IFC / SNFC 503.6

CLV STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEFO PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.

10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6331.

STORMWATER RUNOFF MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.

4. AT A MINIMUM, THE CONTRACTOR R HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER AND ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECCESSARY. SOME EXCEPTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

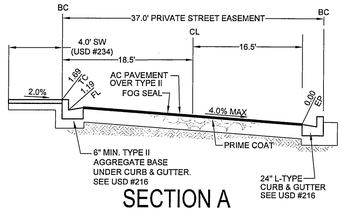
5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

CLV GRADING NOTES

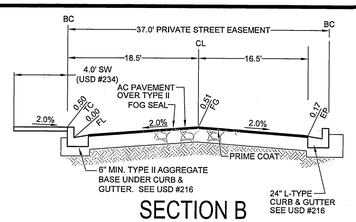
1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTEDED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMDEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF

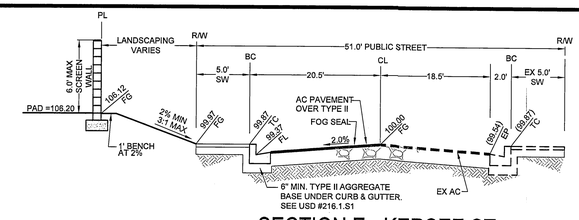
DIAMOND CASTLE LN.
(PRIVATE)
STANGE AVE
(PUBLIC)
RESTLESS WIND ST
(PRIVATE)
IRISH KILT RIDGE ST
(PRIVATE)
EX SDMH #308 (60" TYPE III)
STA: 10+28.99, -9.50L
RIM: 3014.82
INV IN (54"): 3004.40 (N)
INV OUT (54"): 3004.20 (SE)
EX SDMH #305.2 (60" TYPE III)
STA: 24+91.59, 14.22R
RIM: 3014.93
INV IN: 3005.15
INV OUT: 3004.85
EX SDDI #305.3 (TYPE III)
STA: 24+37.05, 11.50L
TC: 3015.79
INV IN: 3006.20
INV OUT: 3006.00
EX SDMH #306 (60" NDOT/TYPE 4)
STA: 19+12.38, 0.00
RIM: 3003.81
INV IN (54"): 3003.50 (NW)
INV IN (42"): 3004.90 (W)
INV IN (54"): 3005.60 (WSW)
INV OUT (54"): 3003.30 (E)
EX SDDI #305.1 (10' CM)
STA: 16+06.80, 10.87L
TC: 3016.55
INV OUT: 3010.00
EX SDMH #304 (60" TYPE III)
STA: 17+50.45, 0.00
RIM: 2997.21
INV IN: 2988.00
INV OUT: 2988.80
EX SDMH #303 (60" TYPE III)
STA: 19+10.57, 0.00
RIM: 2989.46
INV IN: 2978.40
INV OUT: 2978.20
EX SDMH #302 (4'x8' INSIDE DIM BUBBLER STRUCTURE W/ (2) 4'x4' GRATES (TYP.))
STA: 19+71.74, 0.00
RIM: 2985.08
INV IN: 2972.50
INV OUT: 2972.30
EX SDMH #301 (60" TYPE III)
STA: 20+92.27, 0.00
RIM: 2978.50
INV IN: 2969.40
INV OUT: 2969.20
SDMH #300 (60" EX)
STA: 20+99.99, 0.00L
RIM: 2977.72
INV IN: 2969.41
EX SDDI #401 (10' CM)
STA: 17+13.62, 19.99L
TC: 2978.51
INV OUT: 2972.68
SDMH #402 (60" 48" EX.)
STA: 17+26.15, 6.67L
RIM: 2978.49
INV IN: 2970.45
INV IN: 2970.93
INV OUT: 2970.43
SDMH #402 (60" 48" EX.)
STA: 15+36.96, 6.12L
RIM: 2978.47
INV IN: 2972.96
INV IN: 2973.67
INV OUT: 2972.67
SDMH #403 (48" EX.)
STA: 24+65.57, 5.58L
RIM: 2981.91
INV IN: 2977.56
INV IN: 2977.56
INV OUT: 2977.06
EX 64" RCP SD S=1.86%
EX 54" RCP SD S=1.20%
EX 60" RCP SD S=10.32%
EX 54" RCP SD S=7.68%
EX 42" RCP SD S=1.20%
EX 36" RCP SD S=1.14%
EX 36" RCP SD S=1.20%
EX 36" RCP SD S=7.68%
EX 30" RCP SD S=10.27%
EX 30" RCP SD S=1.93%
EX 30" RCP SD S=1.94%
EX 30" RCP SD S=1.18%
EX 30" RCP SD S=1.49%
EX 30" RCP SD S=1.56%
EX 30" RCP SD S=9.57%
EX 30" RCP SD S=0.93%
EX 24" RCP SD S=8.88%
EX 24" RCP SD S=1.57%
EX 24" RCP SD S=4.56%
EX 18" RCP SD S=3.00%
EX 18" RCP SD S=1.49%
EX 15" TYPE DM2 D.I.
EX 15' DM2 D
EX 15" TYPE DM2 D.I.
EX 30.1 LF 36" RCP SD S=0.93%
EX 54.2 LF - PUBLIC
EX 69.9 LF - PUBLIC
EX 160.1 LF - PUBLIC
EX 149.8 LF - PUBLIC
EX 61.8 LF - PUBLIC
EX 106.0 LF - PUBLIC
EX 70.4 LF - PUBLIC
EX 9.3 LF - PUBLIC
EX 172.4 LF - PUBLIC
EX 17.6 LF - PUBLIC
EX 12.9 LF - PUBLIC
EX 54.2 LF - PUBLIC
EX 0.4 LF - PUBLIC
EX 0.7 LF - PUBLIC
EX 0.7 LF - PUBLIC
EX 0.4 LF - PUBLIC
EX 0.4 LF - PUBLIC
EX 0.4



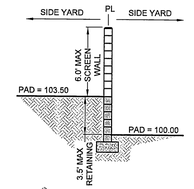
SECTION A
TYPICAL 41-FT WIDE PRIVATE DRIVE



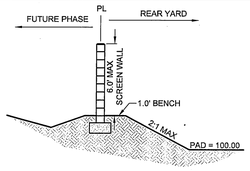
SECTION B
TYPICAL 41-FT WIDE PRIVATE DRIVE



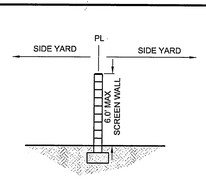
SECTION E - KERSEE ST.
51' PUBLIC STREET SECTION



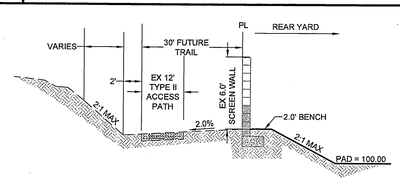
SECTION J
SIDE/SIDE YARDS



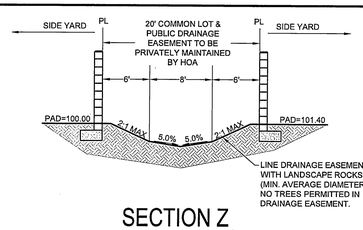
SECTION L
SOUTH BOUNDARY



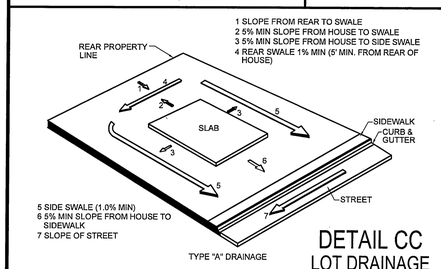
SECTION M
SIDE / SIDE YARD



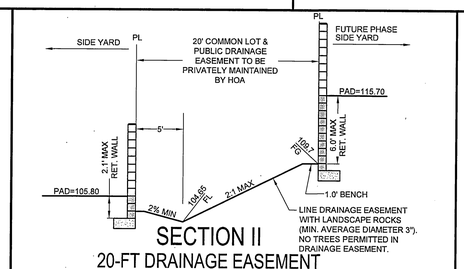
SECTION P
WEST BOUNDARY



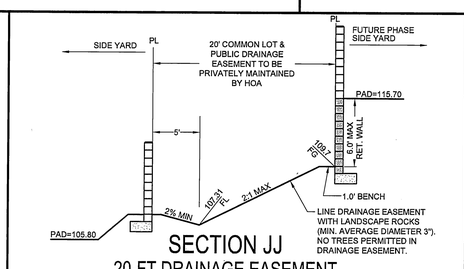
SECTION Z
20-FT DRAINAGE EASEMENT



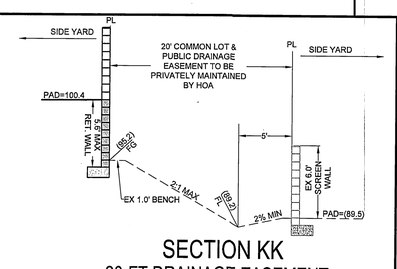
DETAIL CC
LOT DRAINAGE



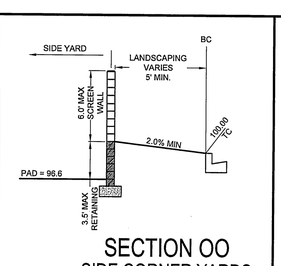
SECTION II
20-FT DRAINAGE EASEMENT



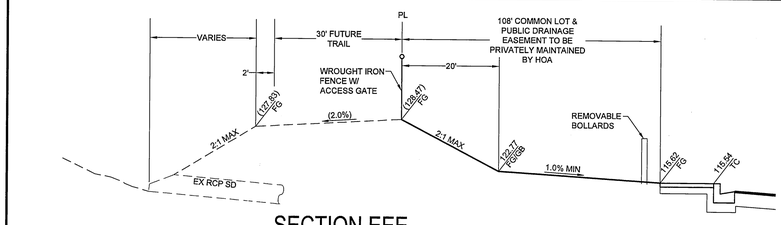
SECTION JJ
20-FT DRAINAGE EASEMENT



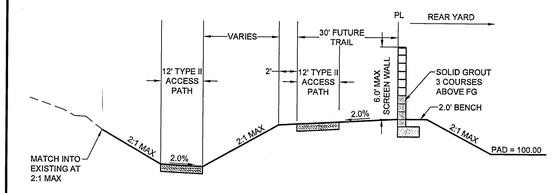
SECTION KK
20-FT DRAINAGE EASEMENT



SECTION OO
SIDE CORNER YARDS



SECTION EEE
TRAIL & DRAINAGE EASEMENT



SECTION III
WEST BOUNDARY

FILE NAME: GRADING DETAILS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8323

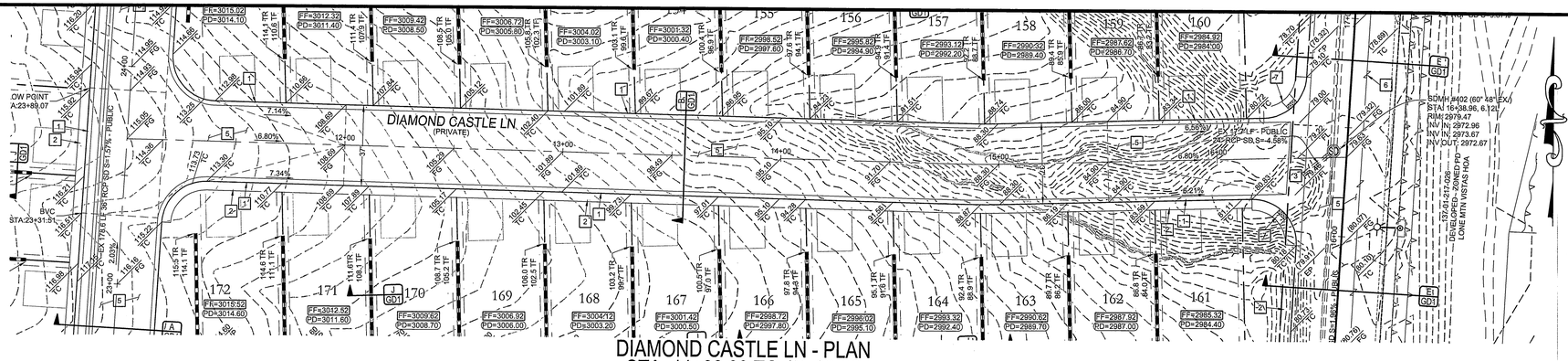
PEACEFUL RIDGE - PHASE 3
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND SECTIONS

PROFESSIONAL ENGINEER
ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD1
SHEET:	04 OF 07

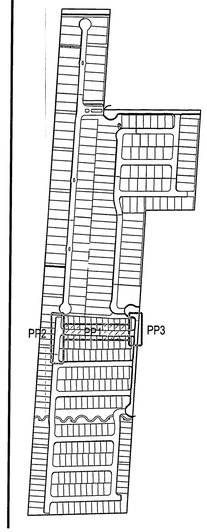
CLV



DIAMOND CASTLE LN - PLAN
STA: 11+00.00 TO 17+00.00

DIAMOND CASTLE LN - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

KEY MAP



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP; D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD3)

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV: 895.08094 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811 OR 1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER (PROJ#) DATE

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10055 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 3
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

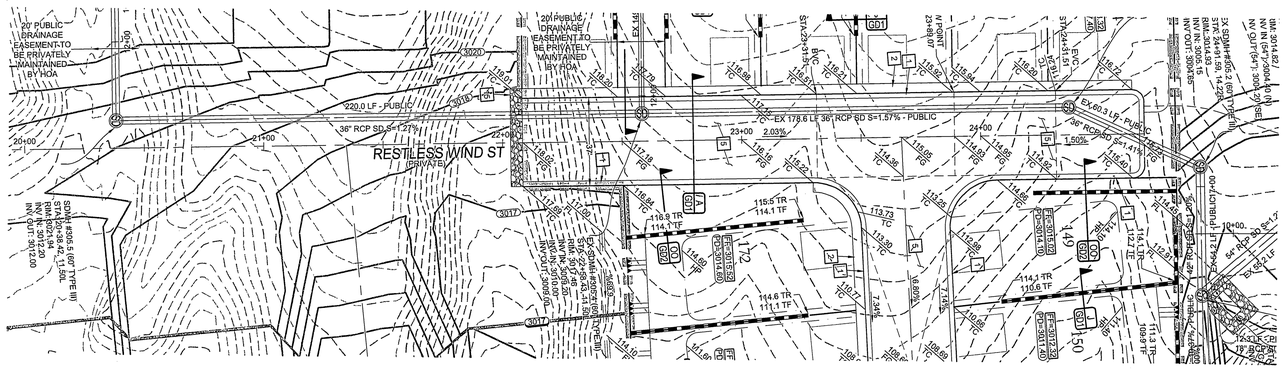
DIAMOND CASTLE LN
PLAN & PROFILE

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP1
SHEET:	05 OF 07

CLV

FILE NAME: P&P 1 - 6.DWG


RESTLESS WIND ST
(PRIVATE)
20' PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY HOA
EX 220.0 LF - PUBLIC
36" RCP SD S=1.27%
EX 178.6 LF 36" RCP SD S=1.57% - PUBLIC
EX 60.3 LF - PUBLIC
36" RCP SD S=1.41%
20+00
21+00
22+00
23+00
24+00
25+00
2.03%
1.50%
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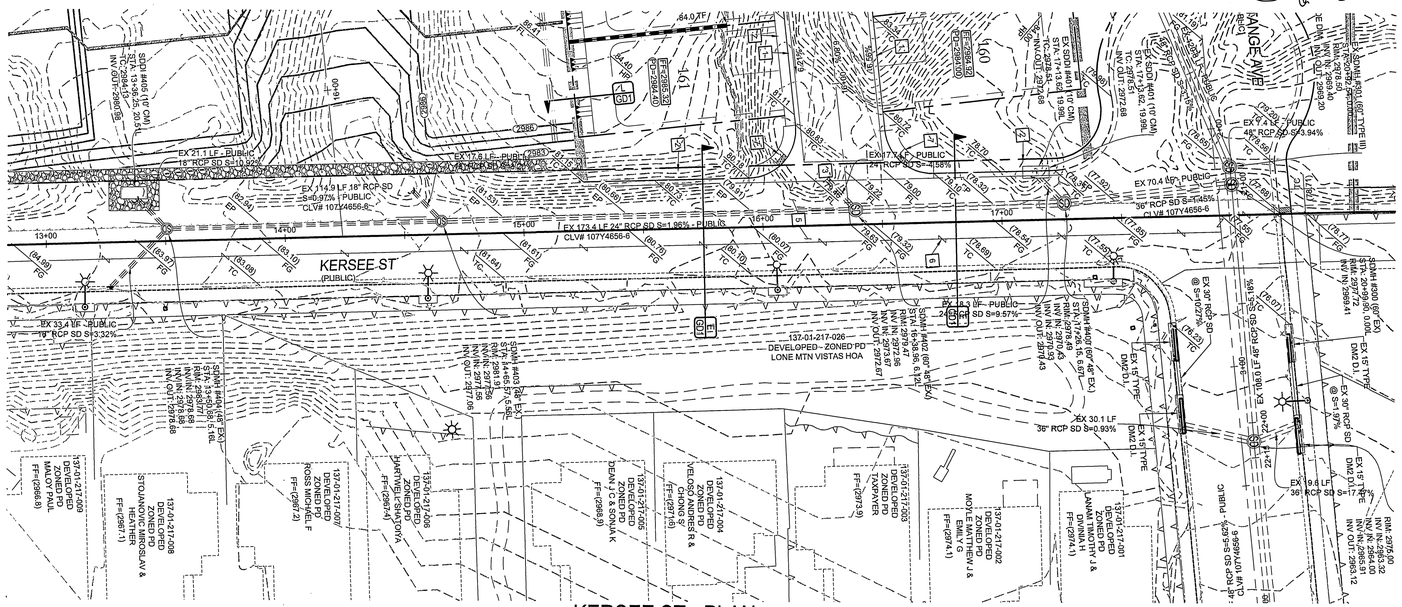
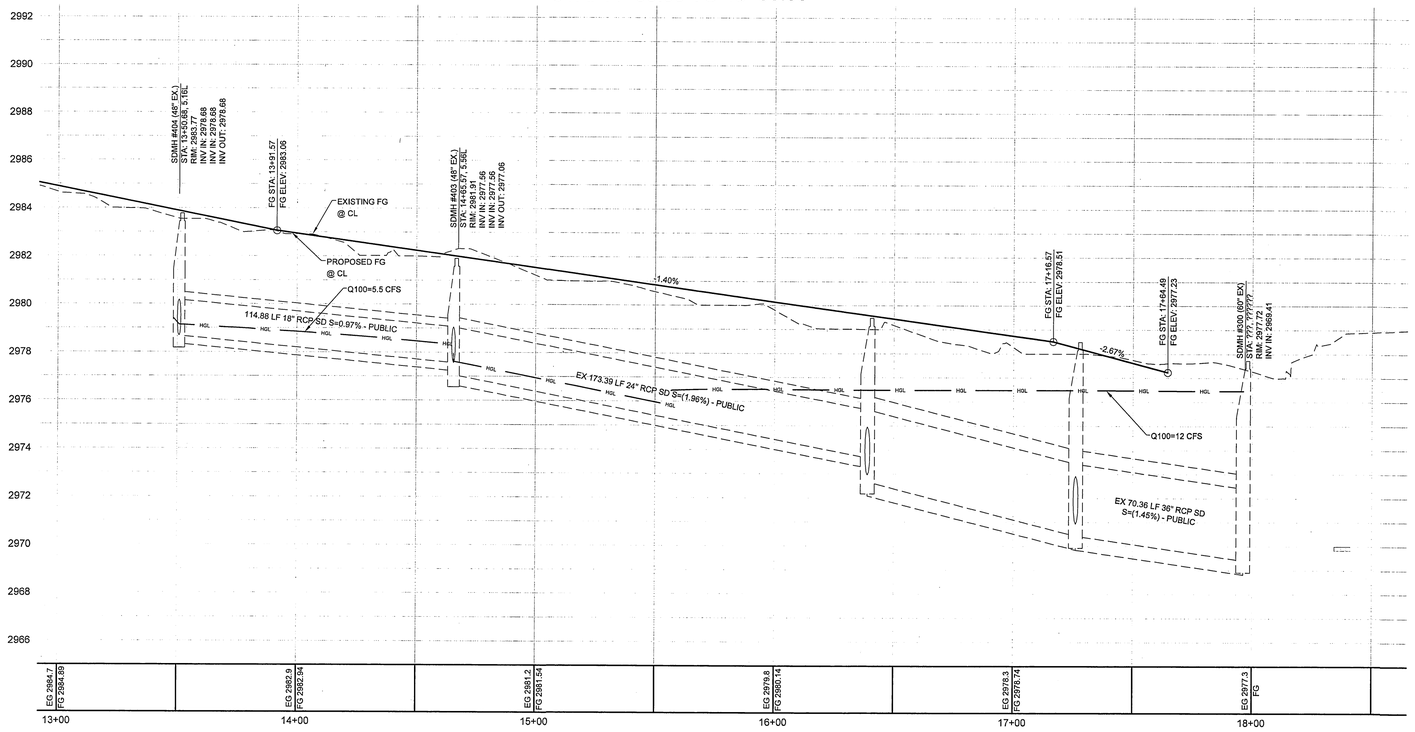


KERSEE ST - PLAN
STA: 11+00.00 TO 18+00.00



KERSEE ST - PROFILE
STA: 11+00.00 TO 18+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

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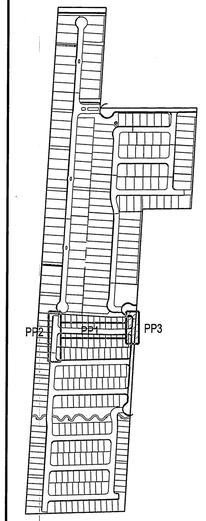
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

KEY MAP



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
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22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD3)

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: —

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-0644 FAX: (702) 362-5223

PEACEFUL RIDGE - PHASE 3
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

KERSEE ST
PLAN & PROFILE

PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No 15725
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP3
SHEET: 07 OF 07

CLV

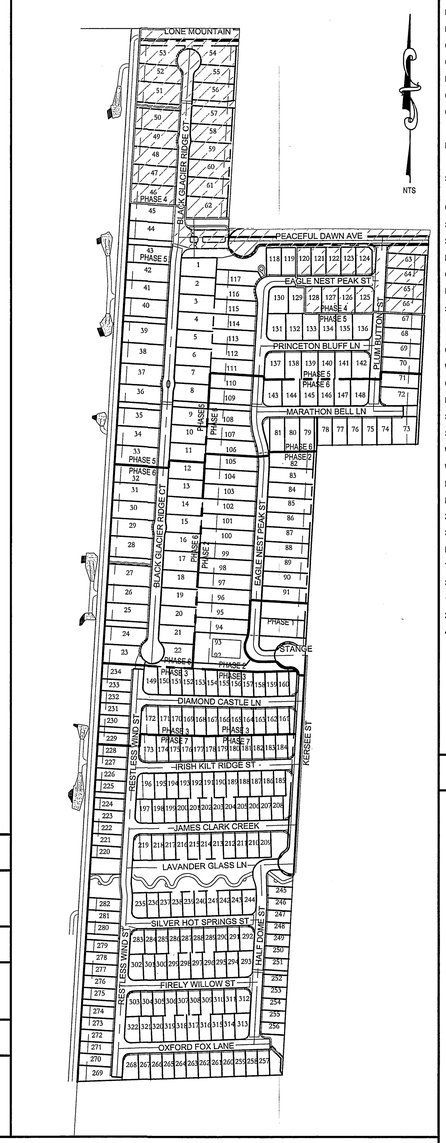
FILE NAME: P&P 1-6.DWG

IMPROVEMENT PLANS
FOR
PEACEFUL RIDGE
PHASE 4 AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION
CITY OF LAS VEGAS, NEVADA
APN: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011, 012
137-01-301-001 & 002

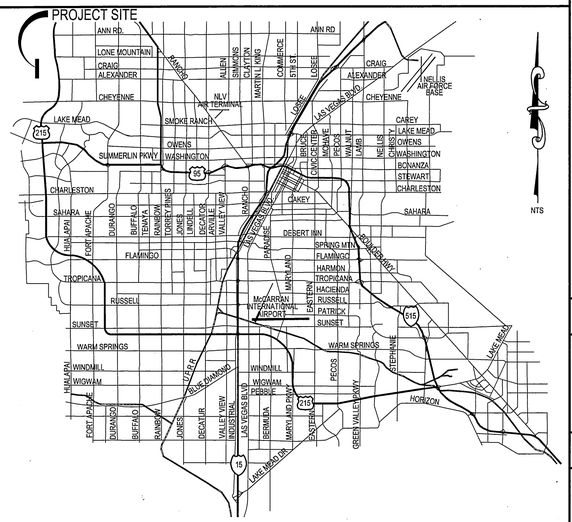
INDEX OF SHEETS

01	C1	COVER SHEET
02	C2	GENERAL NOTES & QUANTITIES
03	G1	KEY MAP FOR GRADING SHEETS
04	G2	GRADING PLAN
05	G3	GRADING PLAN
06	G4	GRADING PLAN
07	GD1	GRADING DETAILS AND CROSS SECTIONS
08	PP1	KEY MAP FOR PLAN AND PROFILE
09	PP2	BLACK GLACIER RIDGE CT. PLAN & PROFILE STA: 23+00 - 30+00
10	PP3	PEACEFUL DAWN AVE PLAN & PROFILE STA:11+00 TO 17+00
11	PP4	PEACEFUL DAWN AVE PLAN & PROFILE STA: 17+00 TO 20+00
12	PP5	PLUM BUTTOM ST PLAN & PROFILE
13	PP6	EAGLE NEST PEAK PLAN & PROFILE STA: 20+00 TO 27+00
14	PP7	LONE MOUNTAIN RD PLAN & PROFILE

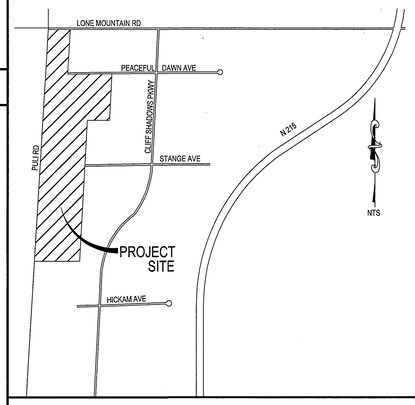
KEY MAP



VICINITY MAP



SITE MAP



LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
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BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 11LV09-1W6
NAVD88 ELEV: 895.069M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

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SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	GB	GRADE BREAK	SS	SANITARY SEWER
BC	BACK OF CURB	GFF	GARAGE FINISH FLOOR	STA	STATION
BCR	BACK OF CURB RADIUS	HP	HIGH POINT	STD	STANDARD
BFE	BASE FLOOD ELEVATION	INV	INVERT	SVZ	SIGHT VISIBILITY ZONE
BFP	BACK FLOW PREVENTOR	LF	LINEAR FEET	SW	SIDEWALK
BLM	BUREAU OF LAND MANAGEMENT	LT	LEFT	SY	SQUARE YARD
BM	BENCHMARK	LVVWD	LAS VEGAS VALLEY WATER DISTRICT	TC	TOP OF CURB
BRPM	BLUE RAISED PAVEMENT MARKER	MAX	MAXIMUM	TELE	TELEPHONE
BVC	BEGIN VERTICAL CURVE	MH	MANHOLE	TF	TOP OF FOOTING
BW	BOTTOM OF EXISTING WALL	MIN	MINIMUM	TR	TOP OF RETAINING
CATV	CABLE TELEVISION	NO.	NUMBER	TW	TOP OF WALL
CC	CLARK COUNTY	NTS	NOT TO SCALE	TYP	TYPICAL
CL	CENTERLINE	OC	ON CENTER	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PB	PULL BOX	USD	UNIFORM STANDARD DRAWING
CLV	CITY OF LAS VEGAS	PC	POINT OF CURVE	VC	VERTICAL CURVE
CMP	CORRUGATED METAL PIPE	PCC	POINT OF COMPOUND CURVE	VCP	VITRIFIED CLAY PIPE
CNLV	CITY OF NORTH LAS VEGAS	PE	POLYETHYLENE	VG	VALLEY GUTTER
CO	CLEAN OUT, SEWER	PI	POINT OF INTERSECTION	W	WATER
COH	CITY OF HENDERSON	PL	PROPERTY LINE	ZC	ZERO LIP CURB
CY	CUBIC YARD	PLT	PLATE		
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS OF WASTE WATER COLLECTION SYSTEMS	POC	POINT OF CONNECTION		
		PP	POWER POLE		
DG	DESIGN GRADE	PRC	POINT OF REVERSE CURVE		
DI	DROP INLET	PROJ	PROJECT		
DIP	DUCTILE IRON PIPE	PRV	PRESSURE REDUCING VALVE		
EC	END OF CURVE	PT	POINT OF TANGENCY		
EG	EXISTING GRADE	PVC	POLYVINYL CHLORIDE		
ELEC	ELECTRICAL	R	RADIUS		
EP	EDGE OF PAVEMENT	RCB	REINFORCED CONCRETE BOX		
EVC	END VERTICAL CURVE	RCP	REINFORCED CONCRETE PIPE		
EX	EXISTING	ROW	RIGHT-OF-WAY		
FF	FINISH FLOOR ELEVATION	RT	RIGHT		
FG	FINISH GRADE	SD	STORM DRAIN		
FH	FIRE HYDRANT	SHT	SHEET		
FL	FLOW LINE	STLT	STREETLIGHT		
FT	FEET	SNWA	SOUTHERN NEVADA WATER AUTHORITY		

UTILITY DISCLAIMER NOTE

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

DEVELOPER/OWNER

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 PHONE

ENGINEER

TANEY ENGINEERING COMPANY
6030 S. JONES BLVD STE #100
LAS VEGAS, NV 89118
(702) 362-8844 PHONE (702) 362-5233 FAX

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CALL BEFORE YOU DO OVERHEAD
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LEGEND

	EXISTING	PROPOSED
DESIGN ELEVATION	(10.00)	10.00
FUTURE ELEVATION		[10.00]
SCARP (SLOPE VARIES)		
CONTOUR (1' INTERVAL)		
CONTOUR (5' INTERVAL)		
DIRECTION OF FLOW		
RETAINING WALL		
CMU WALL		
CENTERLINE		
RIGHT-OF-WAY		
CUT LINE-ASPHALT		
CURB AND GUTTER		
POWER POLE		
SIDEWALK RAMP		
CURB DROP INLET		
STORM DRAIN W/MANHOLE		
SIDEWALK		
PROPERTY LINE		
CUT-FILL LINE		CUT FILL
EDGE OF PAVEMENT		
SIGHT VISIBILITY ZONE		
CAP & 2" BLOW OFF VALVE		
WATERLINE FITTINGS		
GATE VALVE		
FIRE HYDRANT		
SEWER LINE W/MANHOLE		
SEWER LATERAL		
WATER LINE		
WATER LATERAL W/METER		
PRESSURE REDUCING VALVE		PRV
BACKWATER VALVE		BWV
200A SERVICE PEDESTAL		
STREET LIGHT CONDUIT		
F.A.S.T. CONDUIT		
TRAFFIC SIGN		
STOP SIGN W/STREET NAME SIGN		
100W HPS LUMINAIRE W/11 GA. POLE		
250W HPS LUMINAIRE W/11 GA. POLE		
400W HPS LUMINAIRE W/11 GA. POLE		

APPROVAL SIGNATURES

APPROVED FOR CONSTRUCTION

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

DAVID BOWERS, P.E., P.T.O.E. (P.E.#16736) — DATE
ACTING CITY ENGINEER -- CITY OF LAS VEGAS
APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARD IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA.

DOUG RANKIN, AICP PLANNING MANAGER — DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER — DATE
(PROJ# XXXXXX), SHEETS:

COX COMMUNICATIONS LAS VEGAS, INC. — DATE

SOUTHWEST GAS — DATE

CENTURYLINK — DATE
"THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

NV ENERGY — DATE
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

NO.	DESCRIPTION	SHTS	APPR.	DATE
REVISIONS				

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

COVER SHEET

PROFESSIONAL ENGINEER — ROBERT D. CUNNINGHAM — Exp. 12-31-12 — CIVIL — No. 15729 — STATE OF NEVADA
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: NTS
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: C1
SHEET: 01 OF 20

FILE NAME: COVER SHEET.DWG
CLV

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB. 8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY AMERICAN SOILS ENGINEERING, LLC REPORT NO: 1588-GEO DATE 06/04/12 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE OFFSITE INSPECTION AND TESTING SECTION PRIOR TO PROJECT ACCEPTANCE. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY STATE PLANE COORDINATES WHICH SHALL BE BASED ON THE "NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE" AS DEFINED BY THE NEVADA REVISED STATUTES CHAPTER 327, AND TIED TO THE CITY OF LAS VEGAS VERTICAL CONTROL BENCHMARK NETWORK. COORDINATES MUST BE CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF +/- 0.1 METER (+/- 0.3 FEET). A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. SANITARY SEWER SERVICE LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE SEWER SERVICE LATERAL TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXITS THE PUBLIC RIGHT-OF-WAY. STORM DRAIN LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE STORM DRAIN LATERAL TO THE STORM DRAIN MAIN AND WHERE THE STORM DRAIN LATERAL EXITS THE PUBLIC RIGHT-OF-WAY OR WHERE THE STORM DRAIN LATERAL CONNECTS TO A DROP INLET. THE MARKER BALL SHALL BE 3M 4" MARKER BALL 1404-XR OR APPROVED EQUAL.

23. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

24. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

CLV TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

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ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. SNFC 507.2.1, NFPA 24

PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC 507; SNFC 507.5.7

PRIVATE HYDRANTS SHALL BE PAINTED RED. SNFC 507.5.7.1

PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507; SNFC 507.1

FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: SNFC C102
- RESIDENTIAL – 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
- COMMERCIAL – 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.

WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. SNFC C102.14

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. SNFC C102.12

A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC 102.4 THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC C102.7

THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. SNFC 102.6

TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.

ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. SNFC 503.2.3

THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. SNFC 503.2.7 / 503.2.8

THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. SNFC 503.2.4

VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. SNFC 503.2.1.1 / IFC 503

FIRE DEPARTMENT ACCESS ROADS IN ALL RESIDENTIAL DEVELOPMENTS (EXCEPT APARTMENT BUILDINGS) SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 36 FT FLOW LINE TO FLOW LINE (THIS WIDTH MAY BE REDUCED TO 24 FT IF ALL BUILDINGS FRONTING THE STREET ARE SPRINKLERED) FOR MAIN RESIDENTIAL STREETS, WITH PARKING PERMITTED ON BOTH SIDES OF THE STREET. PRIVATE DRIVE AISLES, DRIVEWAYS, ETC. SHALL BE ALLOWED TO BE REDUCED TO A MINIMUM WIDTH OF 24 FT FLOW LINE TO FLOW LINE WHEN SERVING NO MORE THE 6 RESIDENTS, AND WHEN ON STREET PARKING IS DISALLOWED. SNFC 503.2.1 / 503.2.11

ALL FIRE APPARATUS ACCESS ROADS IN COMMERCIAL DEVELOPMENTS AND APARTMENT COMPLEXES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FT (FLOW LINE TO FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE; 32 FT (FLOW LINE TO FLOW LINE), WITH PARALLEL PARKING ON ONE SIDE. AND 36 FT (FLOW LINE TO FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. THESE WIDTHS MAY BE REDUCED TO 24 FT IF SPRINKLERED. SNFC 503.2.1.1

A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC 503.1.1 / SNFC 503.11

APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, AND FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL DEVELOPMENTS. SNFC 503.1.2

ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. SNFC 503.2.5

ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. SNFC 503.3

ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES. IFC / SNFC 503.6

CLV STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEFO PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.

10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF
OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6331.

STORMWATER RUNOFF MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION IIIA.5.

4. AT A MINIMUM, THE CONTRACTOR R HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER AND ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECCESSARY. SOME EXCEPTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

B. ENGINEERED FILL 0.5+ +0.1' TO -0.1' SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.

8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE, AND USEABLE CONDITION. ALL SPILLS OF SOIL, ROCK, OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE, AND USABLE CONDITION.

10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS, BARRICADES, ETC.

GRADING QUANTITIES

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

CLV SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF DESIGN & CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTORS TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEERS.

3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.

4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.

5. ALL MANHOLES IN PAVED STREETS EIGHTY FEET (80') R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY FEET (80') WILL REQUIRE RETROFITTING IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.

6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCHES (12") IN DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. INLINE "Y's" SHALL BE USED ON LINES TWELVE INCHES (12") IN DIAMETER AND ABOVE.

7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A MAIN LINE OR THE SEWER IS LESS THAN EIGHTEEN INCHES (18") UNDER A WATER MAIN.

8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.

9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH OF A FOOT (0.1') FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.

10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF PVC C900 WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT #XX

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.

2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.

3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.

9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.

10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.

14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

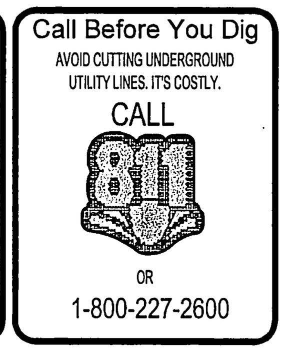
APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
(PROJ# XX)
DATE

DEVIATIONS FROM STANDARDS

DRAINAGE IMPROVEMENTS

	PUBLIC	PRIVATE
SIDEWALK UNDERDRAIN	1 EA	
RIPRAP D50=12"	46 CY	
3' CONCRETE FLUME	200 LF	



UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

NO. | DESCRIPTION | REVISI

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

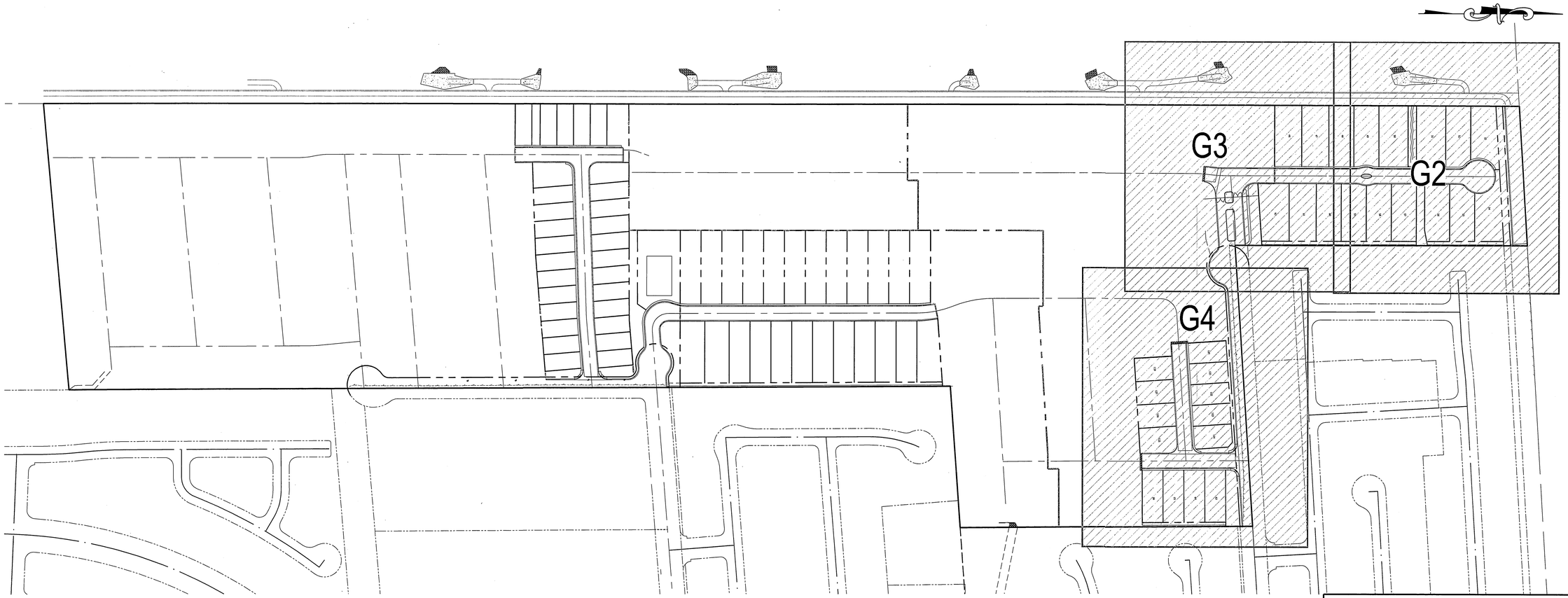
PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GENERAL NOTES AND QUANTITIES

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-12
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	C2
SHEET:	02 OF 20

CLV



SCALE

120 0 60 120 240 480

(IN FEET)
1 inch = 120ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

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1-702-227-2929

Call Before You Dig
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OR
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FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
REVISIONS				

THM ENTERPRISE LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

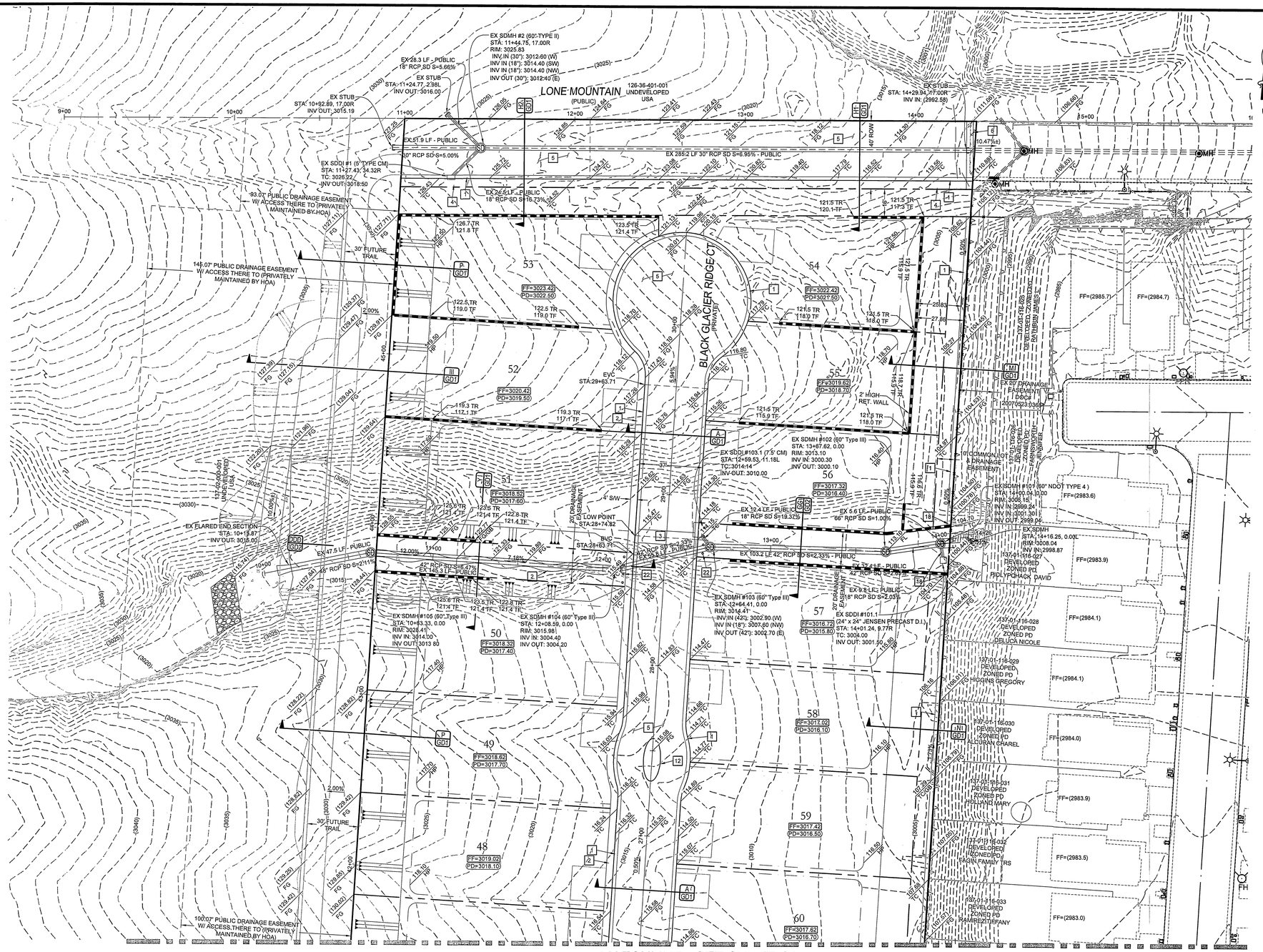
PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN KEY MAP

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=120'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G1
SHEET: 03 OF 20

CLV



MATCHLINE - SEE SHEET G3

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD3)

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV.: 895.0609M 2935.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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OR
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FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G2
SHEET: 04 OF 20

CLV

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
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(IN FEET)
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REPORT NO: 10944-LVR6
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ROBERT D. CUNNINGHAM, P.E. DATE

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137-01-201-001, 002, 003, 011,
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BENCHMARK

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FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	APPR.	DATE
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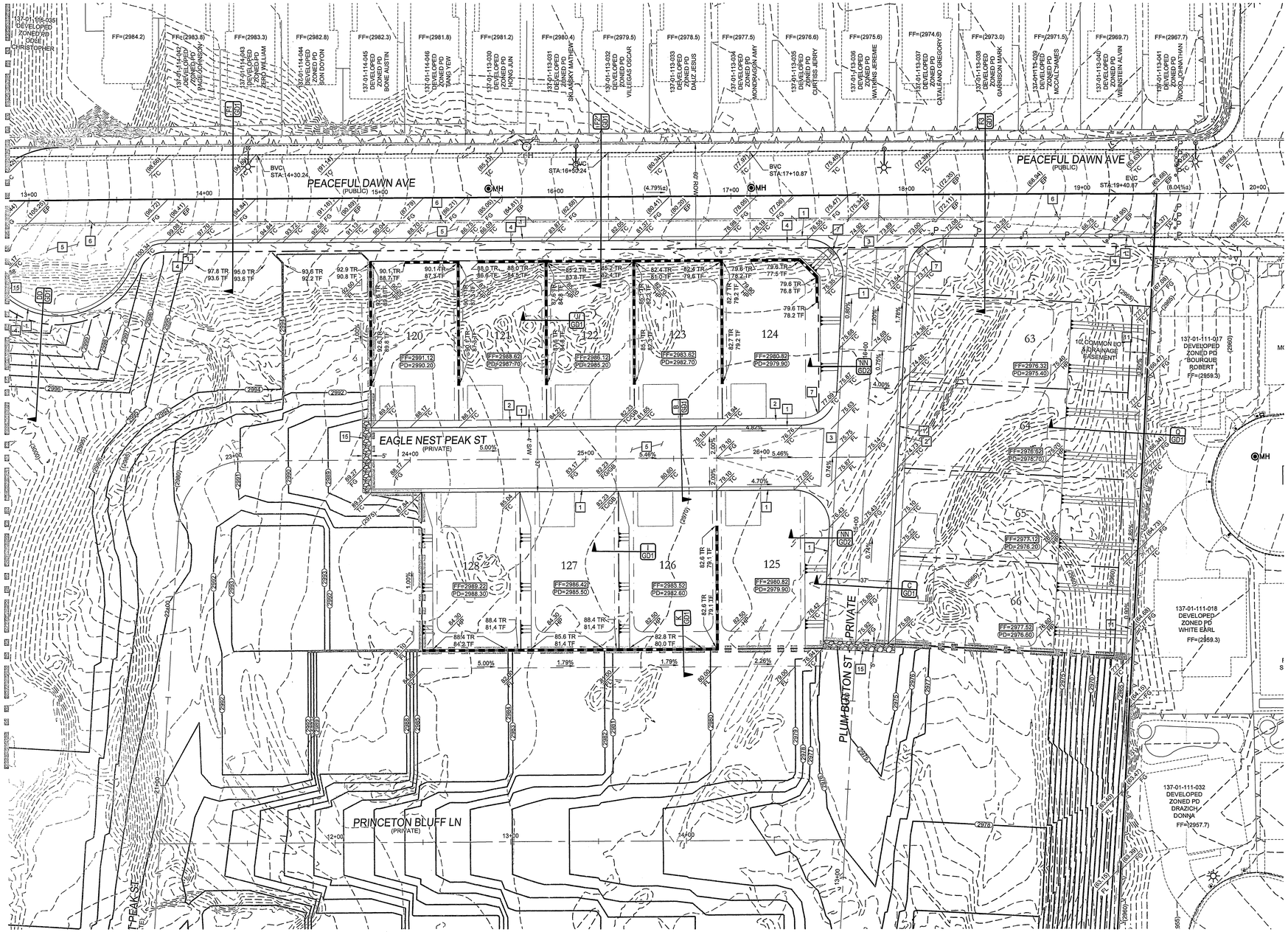
PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

REGISTERED PROFESSIONAL ENGINEER ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G3
SHEET: 05 OF 20

CLV



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD3)

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
276,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: GRADING PLANS.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

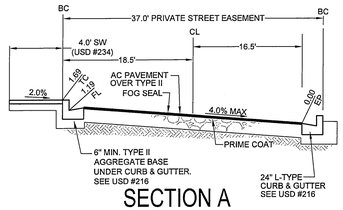
PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

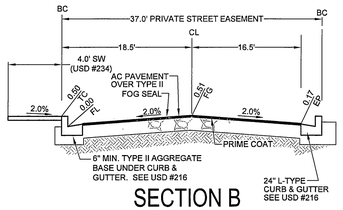
PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726
ENGINEER'S SEAL
9/17/13

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G4
SHEET: 06 OF 20

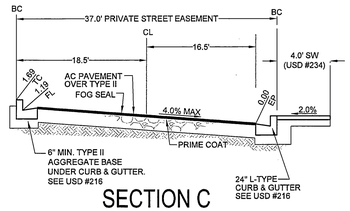
CLV



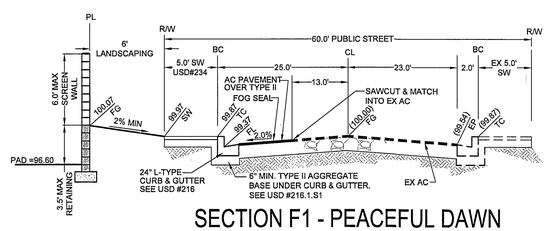
SECTION A
TYPICAL 41-FT WIDE PRIVATE DRIVE



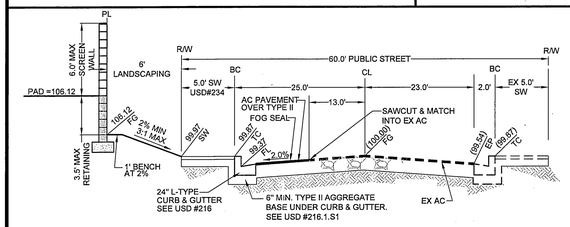
SECTION B
TYPICAL 41-FT WIDE PRIVATE DRIVE



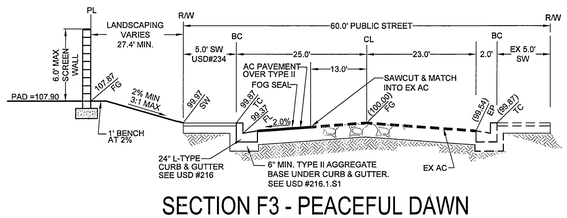
SECTION C
TYPICAL 41-FT WIDE PRIVATE DRIVE



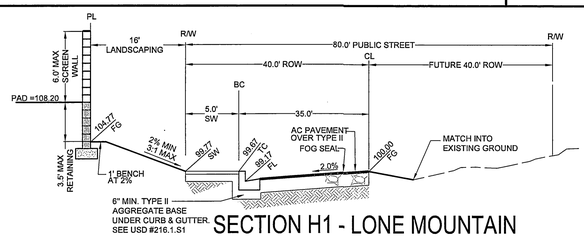
SECTION F1 - PEACEFUL DAWN
60' PUBLIC STREET SECTION



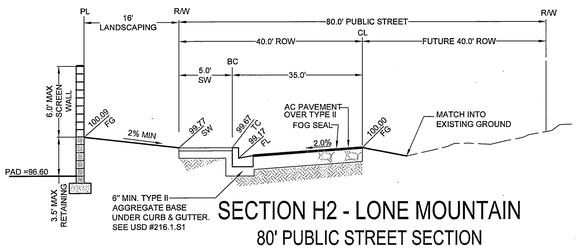
SECTION F2 - PEACEFUL DAWN
60' PUBLIC STREET SECTION



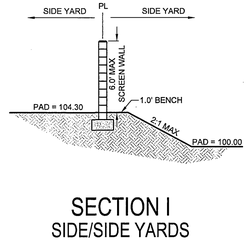
SECTION F3 - PEACEFUL DAWN
60' PUBLIC STREET SECTION



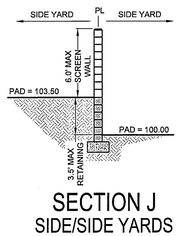
SECTION H1 - LONE MOUNTAIN
80' PUBLIC STREET SECTION



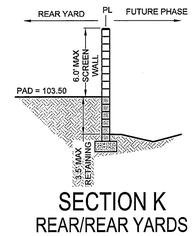
SECTION H2 - LONE MOUNTAIN
80' PUBLIC STREET SECTION



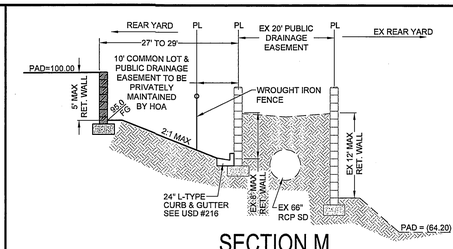
SECTION I
SIDE/SIDE YARDS



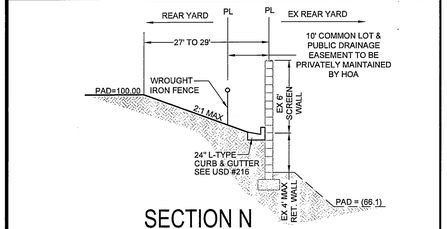
SECTION J
SIDE/SIDE YARDS



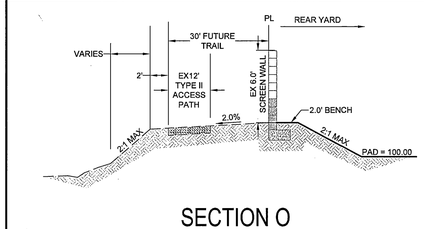
SECTION K
REAR/REAR YARDS



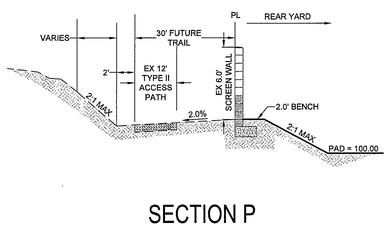
SECTION M
EAST BOUNDARY



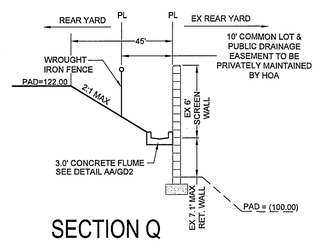
SECTION N
EAST BOUNDARY



SECTION O
WEST BOUNDARY



SECTION P
WEST BOUNDARY



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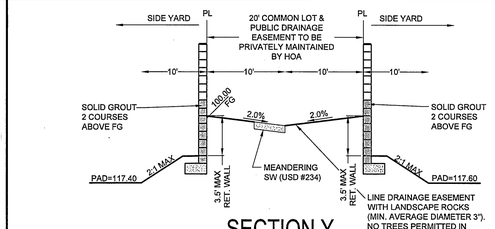
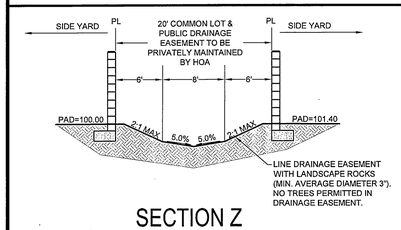
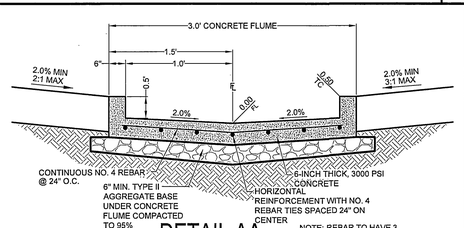
EAST BOUNDARY



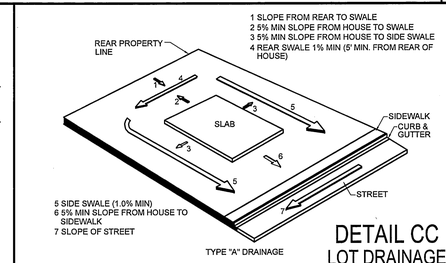
SECTION Y
20-FT DRAINAGE EASEMENT



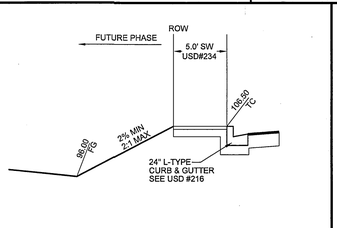
SECTION Z
20-FT DRAINAGE EASEMENT



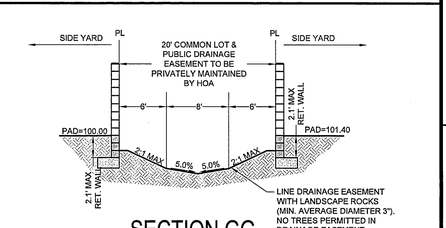
DETAIL AA
3.0' CONCRETE FLUME



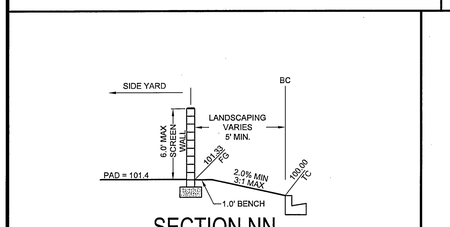
DETAIL CC
LOT DRAINAGE



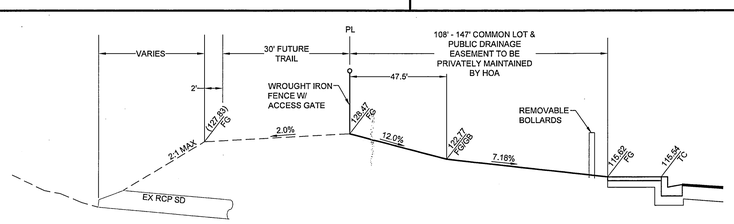
SECTION DD



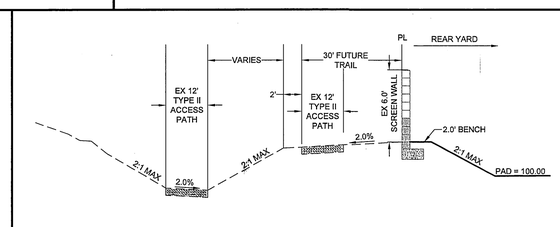
SECTION GG
20-FT DRAINAGE EASEMENT



SECTION NN
SIDE CORNER YARDS



SECTION DDD
TRAIL & DRAINAGE EASEMENT



SECTION III
WEST BOUNDARY

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5220 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. #100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

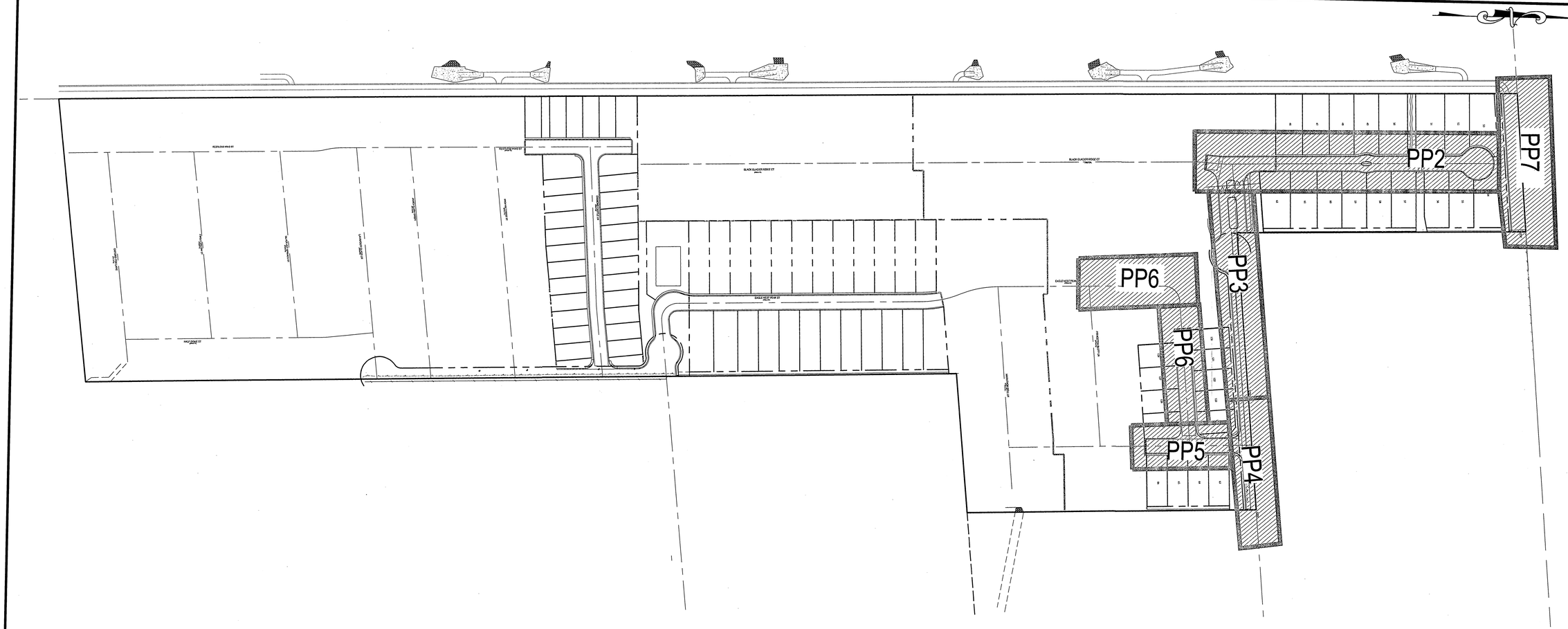
GRADING SECTIONS AND DETAILS

PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15725
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=40'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD1
SHEET:	07 OF 20

CLV

FILE NAME: GRADING DETAILS.DWG



SCALE

120 0 60 120 240 480

(IN FEET)
1 inch = 120ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

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UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2935.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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FILE NAME: PLAN & PROFILE.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

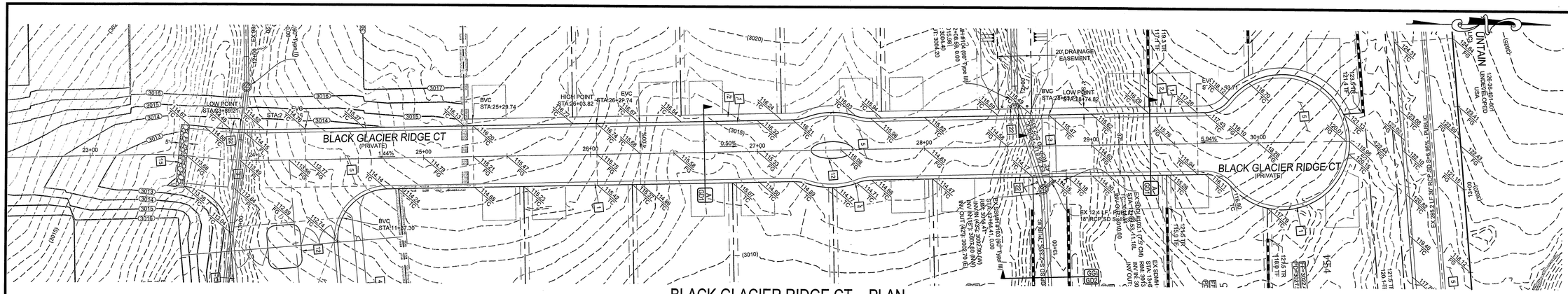
PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

KEY MAP FOR PLAN AND PROFILE

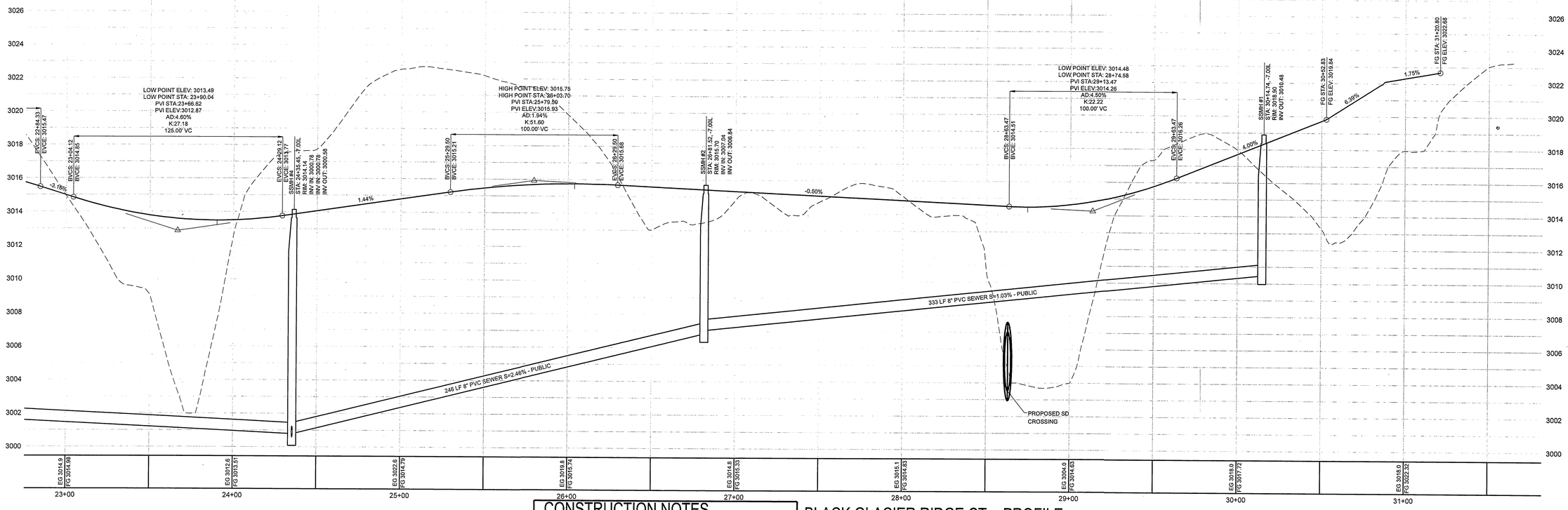
REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=40'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP1
SHEET: 08 OF 20

CLV



BLACK GLACIER RIDGE CT. - PLAN
STA: 23+00.00 TO 30+00.00



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
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6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD3)

BLACK GLACIER RIDGE CT. - PROFILE
STA: 23+00.00 TO 30+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

UTILITY DISCLAIMER NOTE

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0659M 2936.55 FT.
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: PLAN & PROFILE.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8520 FAX:

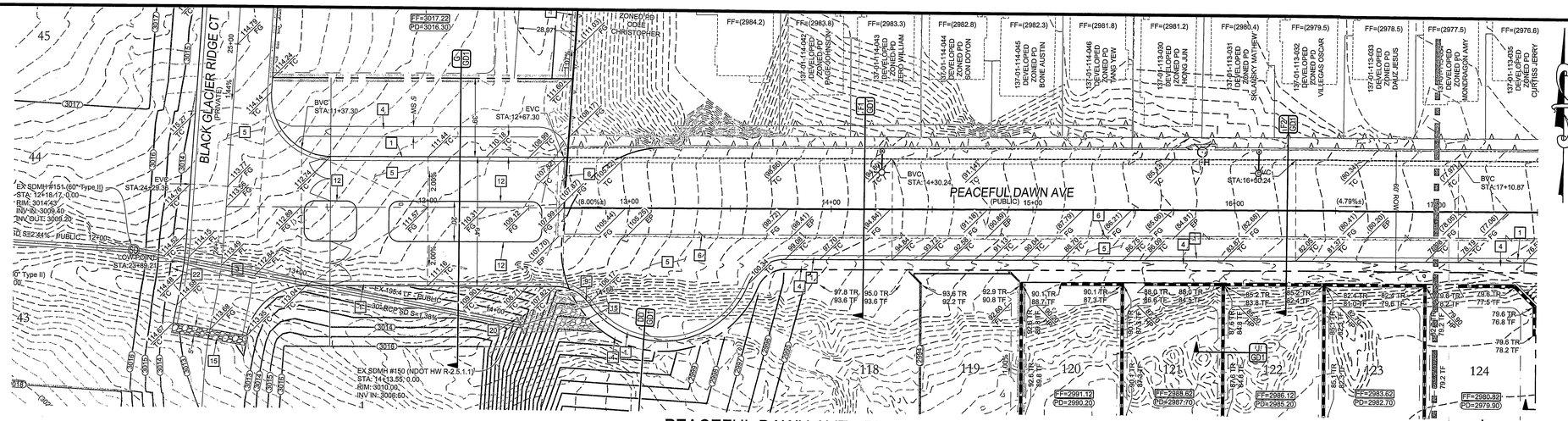
TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

BLACK GLACIER RIDGE CT
PLAN & PROFILE
STA: 23+00 TO 30+00

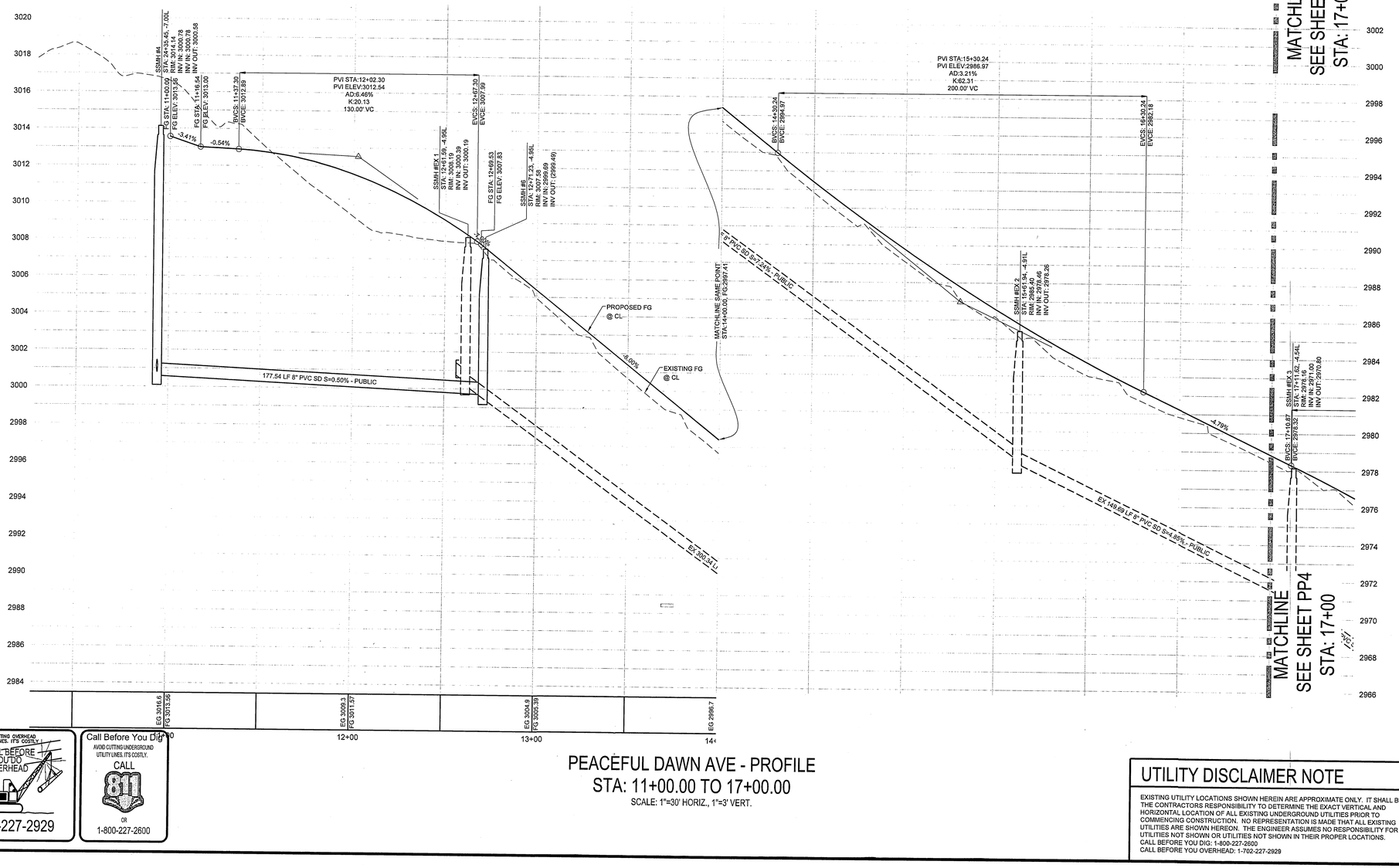
REGISTERED PROFESSIONAL ENGINEER
ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15775
STATE OF NEVADA
ENGINEER'S SEAL
9/17/13

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP2
SHEET: 09 OF 20
CLV



PEACEFUL DAWN AVE - PLAN
STA: 11+00.00 TO 17+00.00

MATCHLINE
SEE SHEET PP4
STA: 17+00.00



MATCHLINE
SEE SHEET PP4
STA: 17+00

PEACEFUL DAWN AVE - PROFILE
STA: 11+00.00 TO 17+00.00
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SCALE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV: 895.0509M 2936.55 FT.
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8220 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

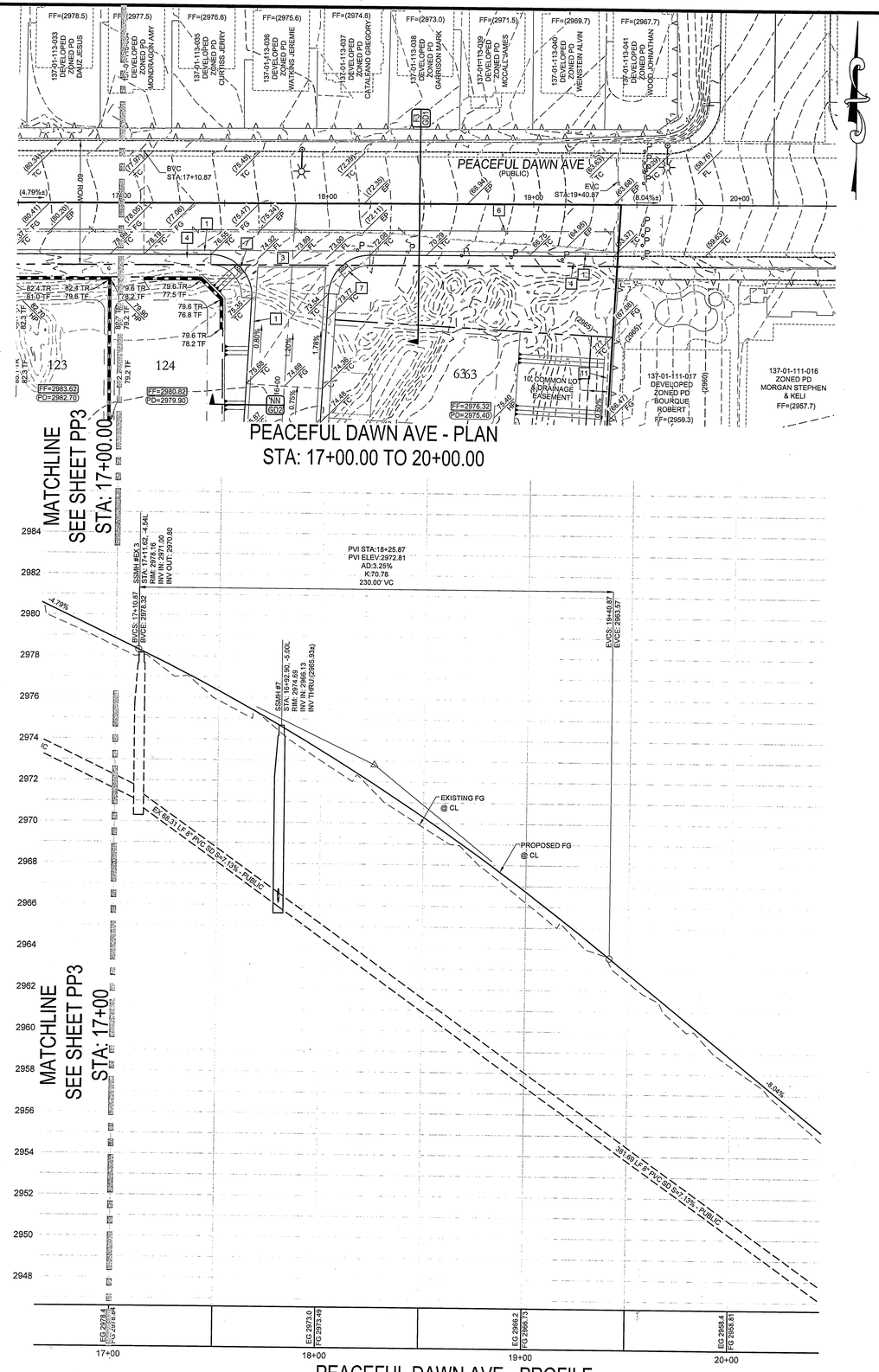
PEACEFUL DAWN AVE
PLAN & PROFILE
STA: 11+00 TO 17+00

NEVADA REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP3
SHEET:	10 OF 20

CLV

FILE NAME: PLAN & PROFILE.DWG



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22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD3)

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
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OR
1-800-227-2600

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NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5220 FAX:

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

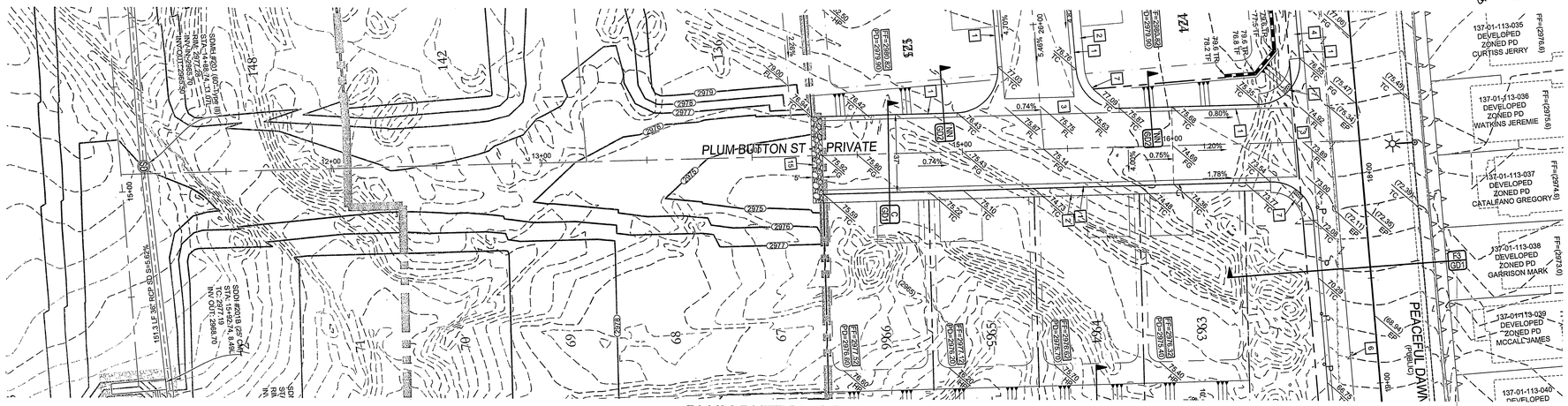
PEACEFUL DAWN AVE
PLAN & PROFILE
STA: 17+00 TO 20+00

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/17/13
ENGINEER'S SEAL

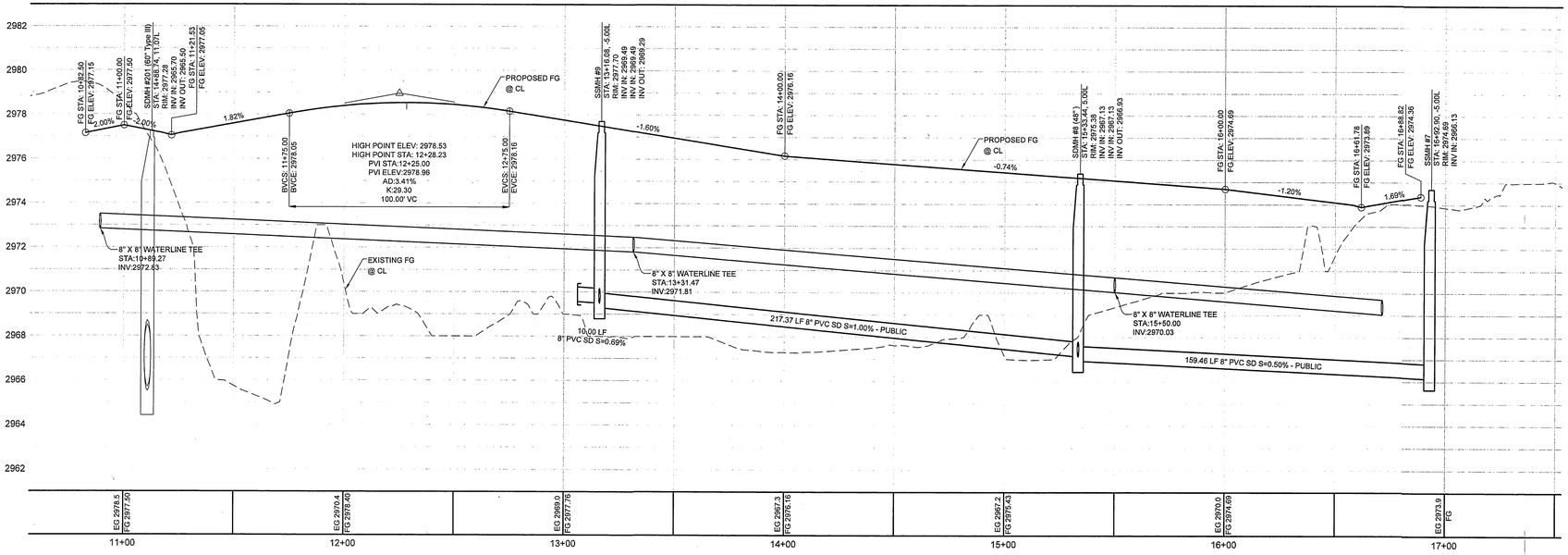
DATE:	9/17/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP4
SHEET:	11 OF 20

CLV

FILE NAME: PLAN & PROFILE.DWG



PLUM BUTTON ST - PLAN
STA: 11+00.00 TO 17+00.00



PLUM BUTTON ST - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

FILE NAME: PLAN & PROFILE.DWG

CONSTRUCTION NOTES

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GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS	APPR.	DATE

REVISIONS

THM ENTERPRISE LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX:

TANEY ENGINEERING
8530 S. DURANGO DRIVE SUITE 100
LAS VEGAS, NEVADA 89113
(702) 362-8844 FAX: (702) 362-5233

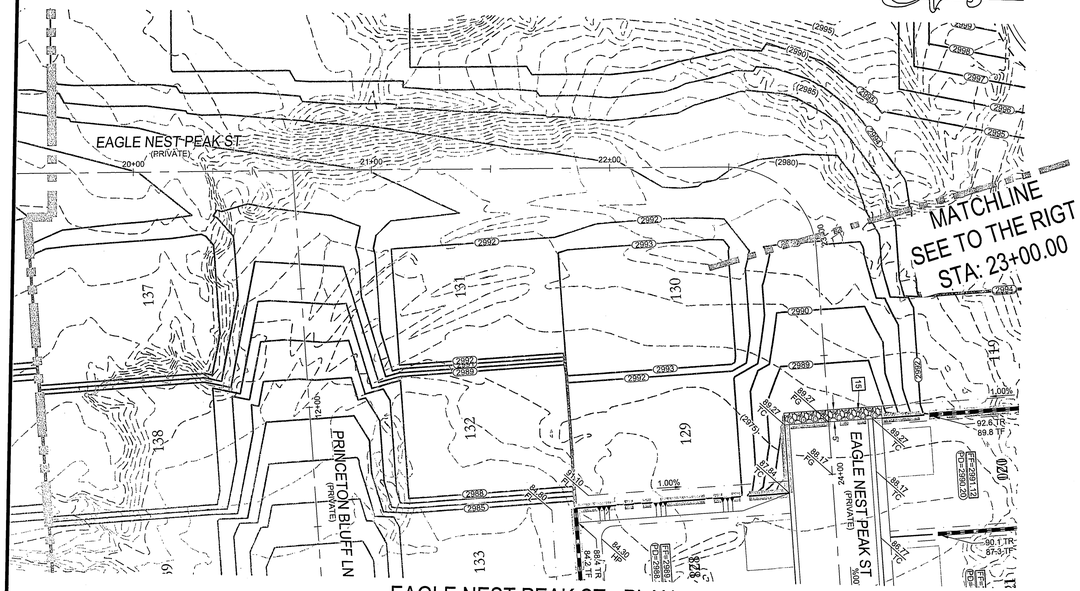
PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

PLUM BUTTOM ST
PLAN & PROFILE

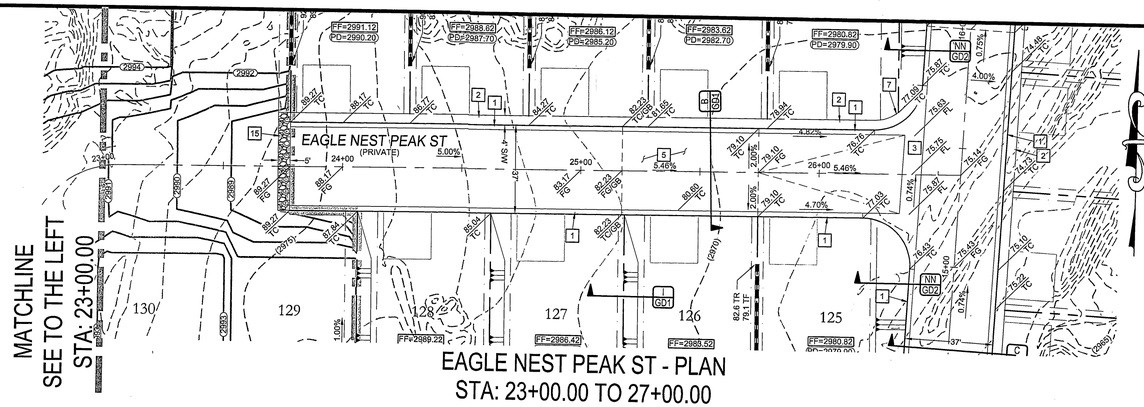
REGISTERED PROFESSIONAL ENGINEER
ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP5
SHEET: 12 OF 20

CLV



EAGLE NEST PEAK ST - PLAN
STA: 20+00.00 TO 23+00.00



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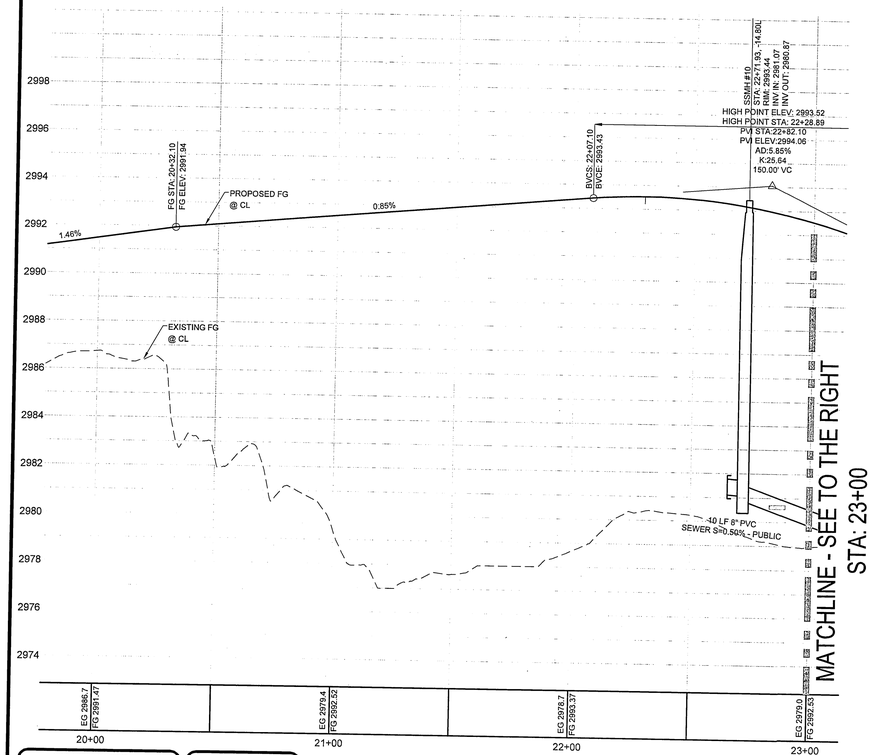
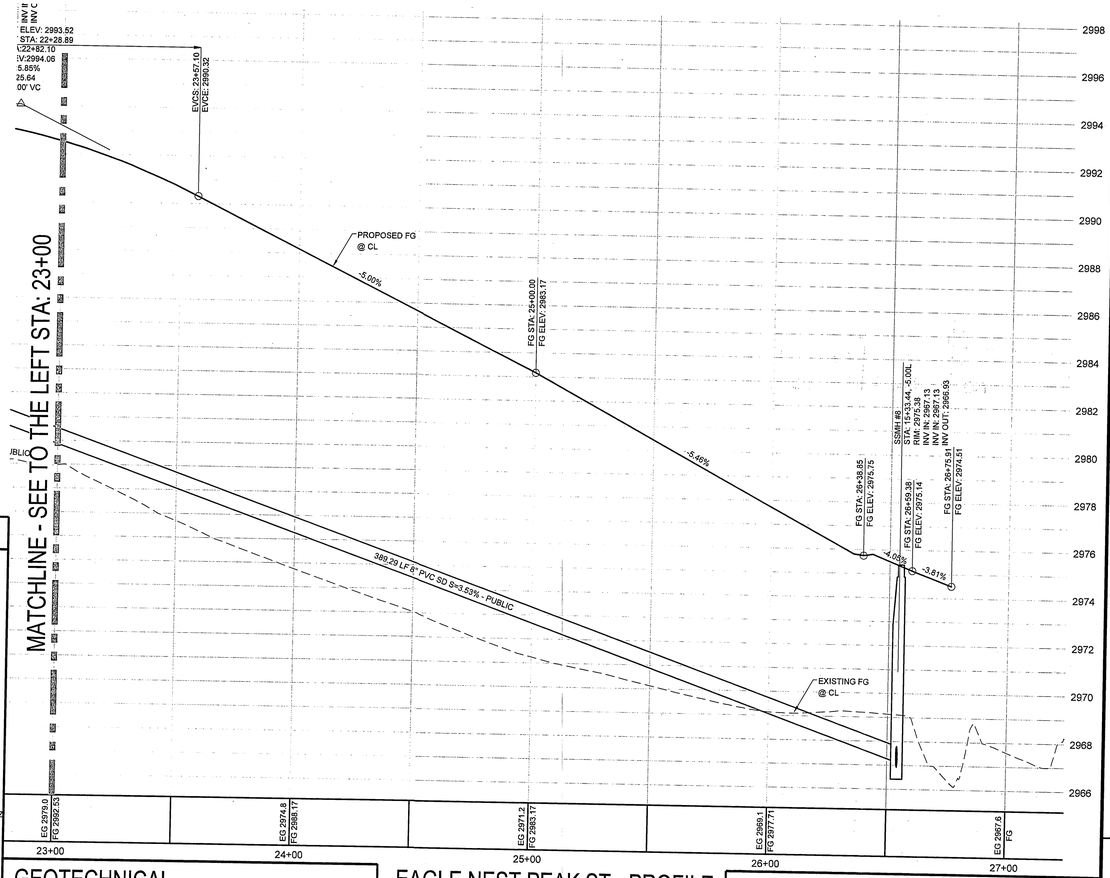


EAGLE NEST PEAK ST - PROFILE
STA: 20+00.00 TO 23+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.



EAGLE NEST PEAK ST - PROFILE
STA: 23+00.00 TO 27+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
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16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL Z
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL GGG/GD

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.060(M 2935.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 67 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

CLV

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: PLAN & PROFILE.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
1665S PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX:

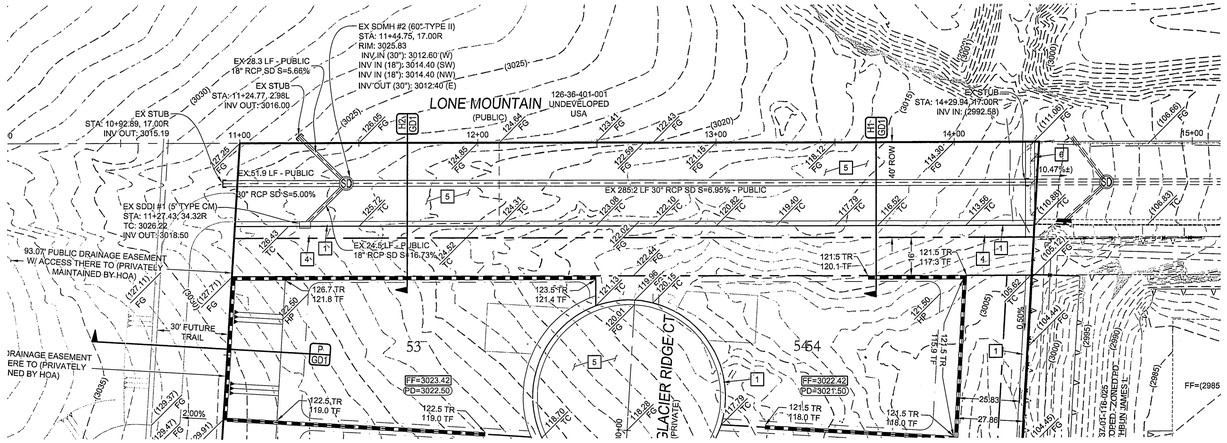
TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

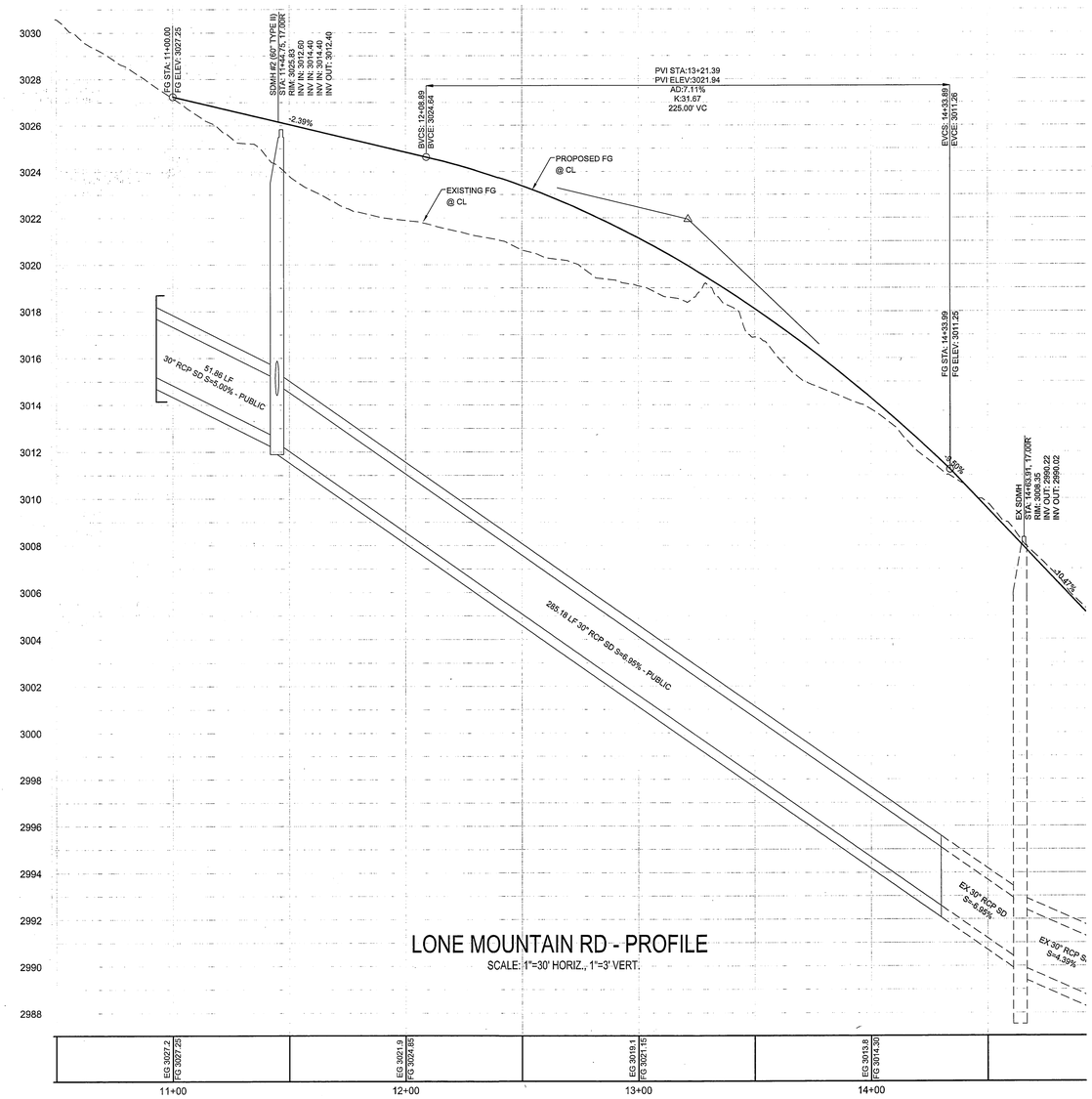
EAGLE NEST PEAK
PLAN & PROFILE
STA: 20+00 TO 27+00

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP6
SHEET: 13 OF 20



LONE MOUNTAIN RD - PLAN



LONE MOUNTAIN RD - PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.

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STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCA DRAWING NO. 421

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LEGAL DESCRIPTION

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BENCHMARK

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CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV. 895.06094(2936.55 FT
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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-697-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISE LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX:

TANEY ENGINEERING
8905 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE - PHASE 4
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

LONE MOUNTAIN RD
PLAN AND PROFILE

ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP7
SHEET: 14 OF 20
CLV

FILE NAME: PLAN & PROFILE.DWG

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02	C2	GENERAL NOTES & QUANTITIES
03	G1	KEY MAP FOR GRADING SHEETS
04	G2	GRADING PLAN
05	G3	GRADING PLAN
06	G4	GRADING PLAN
07	G5	GRADING PLAN
08	G6	GRADING PLAN
09	G7	GRADING PLAN
10	G8	GRADING PLAN
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12	G10	GRADING PLAN
13	G11	GRADING PLAN
14	G12	GRADING PLAN
15	GD1	GRADING DETAILS AND CROSS SECTIONS
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17	GD3	GRADING DETAILS AND CROSS SECTIONS
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21	PP3	BLACK GLACIER RIDGE CT. PLAN & PROFILE STA: 16+50.00 - 23+00.00
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23	PP5	PEACEFUL DAWN STA:11+00 TO 17+00 PLAN & PROFILE
24	PP6	PEACEFUL DAWN - STA:17+00 TO 20+00 & PLUM BUTTON - STA:11+00 TO 13+50 PLAN AND PROFILE
25	PP7	PLUM BUTTON - STA:13+50 TO 17+00 & MARATHON BELL - STA:11+00 TO 12+50 PLAN AND PROFILE
26	PP8	MARATHON BELL STA:12+50 TO 17+00 PLAN & PROFILE
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28	PP10	STANGE AVE - STA:1+00 TO 3+00 & EAGLE NEST PEAK - STA:10+00 TO 13+00PLAN AND PROFILE
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36	PP18	LONE MOUNTAIN RD & 30" STORM DRAIN PLAN & PROFILE
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46	PP28	18" STORM DRAIN & 36" STORM DRAIN PLAN AND PROFILE
47	PP29	42" STORM DRAIN & 18" STORM DRAIN LATERAL PLAN AND PROFILE

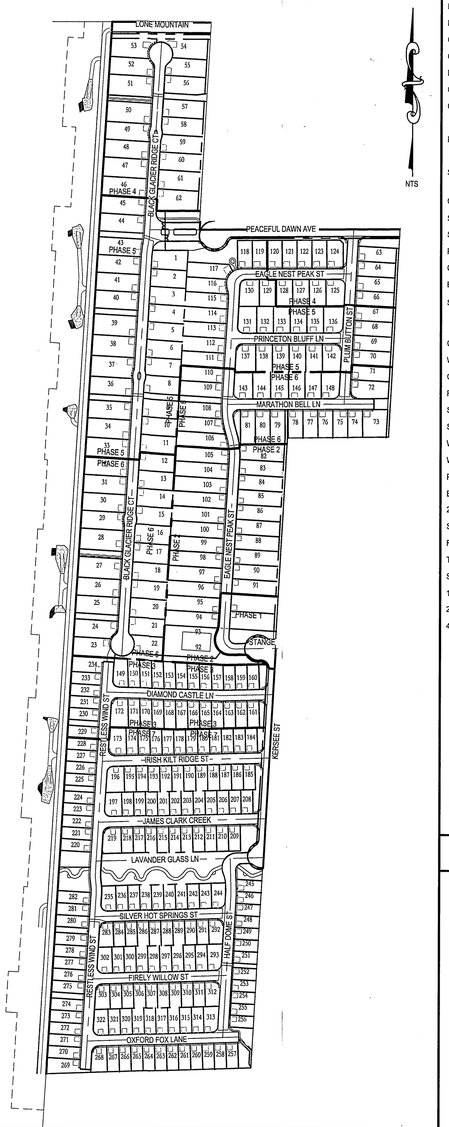
IMPROVEMENT PLANS FOR PEACEFUL RIDGE AT LONE MOUNTAIN & PULI

A RESIDENTIAL SUBDIVISION

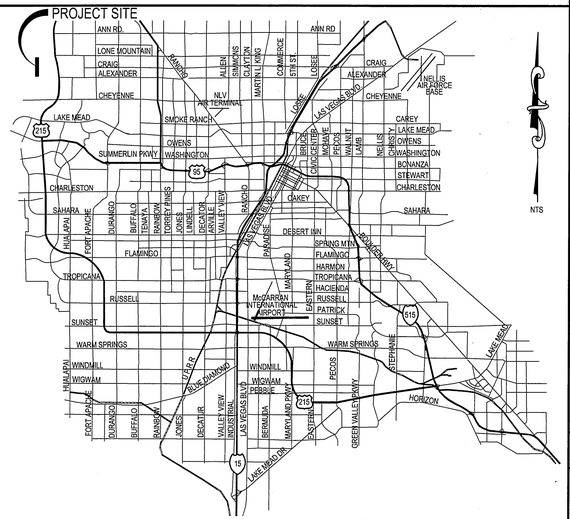
CITY OF LAS VEGAS, NEVADA

APN: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012 137-01-301-001 & 002

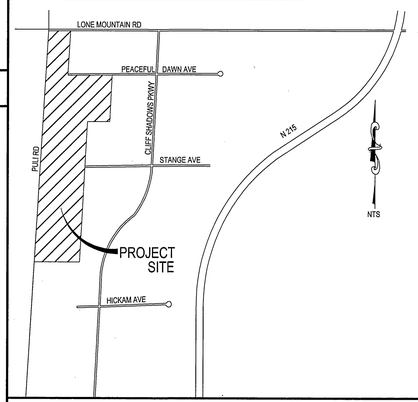
KEY MAP



VICINITY MAP



SITE MAP



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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

DEVELOPER/OWNER

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 PHONE

ENGINEER

TANEY ENGINEERING COMPANY
6030 S. JONES BLVD STE #100
LAS VEGAS, NV 89118
(702) 362-8844 PHONE (702) 362-5233 FAX

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

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LEGEND

	EXISTING	PROPOSED
DESIGN ELEVATION	(10.00)	10.00
FUTURE ELEVATION		[10.00]
SCARP (SLOPE VARIES)		
CONTOUR (1' INTERVAL)		
CONTOUR (5' INTERVAL)		
DIRECTION OF FLOW		
RETAINING WALL		
CMU WALL		
CENTERLINE		
RIGHT-OF-WAY		
CUT LINE-ASPHALT		
CURB AND GUTTER		
POWER POLE		
SIDEWALK RAMP		
CURB DROP INLET		
STORM DRAIN W/MANHOLE		
SIDEWALK		
PROPERTY LINE		
CUT-FILL LINE		
EDGE OF PAVEMENT		
SIGHT VISIBILITY ZONE		
CAP & 2" BLOW OFF VALVE		
WATERLINE FITTINGS		
GATE VALVE		
FIRE HYDRANT		
SEWER LINE W/MANHOLE		
SEWER LATERAL		
WATER LINE		
WATER LATERAL W/METER		
PRESSURE REDUCING VALVE		PRV
BACKWATER VALVE		BWV
200A SERVICE PEDESTAL		
STREET LIGHT CONDUIT		
F.A.S.T. CONDUIT		
TRAFFIC SIGN		
STOP SIGN W/STREET NAME SIGN		
100W HPS LUMINAIRE W/11 GA. POLE		
250W HPS LUMINAIRE W/11 GA. POLE		
400W HPS LUMINAIRE W/11 GA. POLE		

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ABBREVIATIONS

AC	ASPHALTIC CONCRETE
BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BFE	BASE FLOOD ELEVATION
BFP	BACK FLOW PREVENTOR
BLM	BUREAU OF LAND MANAGEMENT
BM	BENCHMARK
BRPM	BLUE RAISED PAVEMENT MARKER
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM OF EXISTING WALL
CATV	CABLE TELEVISION
CC	CLARK COUNTY
CL	CENTERLINE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLV	CITY OF LAS VEGAS
CMP	CORRUGATED METAL PIPE
CNLV	CITY OF NORTH LAS VEGAS
CO	CLEAN OUT, SEWER
COH	CITY OF HENDERSON
CY	CUBIC YARD
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS OF WASTE WATER COLLECTION SYSTEMS
DG	DESIGN GRADE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
EC	END OF CURVE
EG	EXISTING GRADE
ELEC	ELECTRICAL
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX	EXISTING
FF	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FT	FEET
GB	GRADE BREAK
GFF	GARAGE FINISH FLOOR
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LT	LEFT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	POLYETHYLENE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLT	PLATE
PCC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PROJ	PROJECT
PRV	PRESSURE REDUCING VALVE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RT	RIGHT
SD	STORM DRAIN
SHT	SHEET
STLT	STREETLIGHT
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
SY	SQUARE YARD
TC	TOP OF CURB
TELE	TELEPHONE
TF	TOP OF FOOTING
TR	TOP OF RETAINING
TW	TOP OF WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
USD	UNIFORM STANDARD DRAWING
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
W	WATER
ZC	ZERO LIP CURB

APPROVAL SIGNATURES

APPROVED FOR CONSTRUCTION

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

DAVID BOWERS, P.E., P.T.O.E. (P.E.#16736) — DATE
ACTING CITY ENGINEER – CITY OF LAS VEGAS
APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARD IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA.

DOUG RANKIN, AICP PLANNING MANAGER — DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER (PROJ# XXXXXX) — DATE
SHEETS:

COX COMMUNICATIONS LAS VEGAS, INC. — DATE

SOUTHWEST GAS — DATE

CENTURYLINK — DATE
"THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

NV ENERGY — DATE
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

COVER SHEET

REGISTERED PROFESSIONAL ENGINEER — ROBERT D. CUNNINGHAM — Exp. 12-31-14 — CIVIL — No. 15726 — STATE OF NEVADA
ENGINEER'S SEAL — 9/17/13

DATE: 9/13/2013
SCALE: NTS
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: C1
SHEET: 01 OF 47
CLV

FILE NAME: COVER SHEET.DWG

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB. 8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY AMERICAN SOILS ENGINEERING, LLC REPORT NO: 1588-GEO DATE 08/04/12 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE OFFSITE INSPECTION AND TESTING SECTION PRIOR TO PROJECT ACCEPTANCE. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY STATE PLANE COORDINATES WHICH SHALL BE BASED ON THE "NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE" AS DEFINED BY THE NEVADA REVISED STATUTES CHAPTER 327, AND TIED TO THE CITY OF LAS VEGAS VERTICAL CONTROL BENCHMARK NETWORK. COORDINATES MUST BE CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF +/- 0.1 METER (+/- 0.3 FEET). A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. SANITARY SEWER SERVICE LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE SEWER SERVICE LATERAL TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXITS THE PUBLIC RIGHT-OF-WAY. STORM DRAIN LATERALS REQUIRE THE INSTALLATION OF A MARKER BALL AT THE CONNECTION OF THE STORM DRAIN LATERAL TO THE STORM DRAIN MAIN AND WHERE THE STORM DRAIN LATERAL EXITS THE PUBLIC RIGHT-OF-WAY OR WHERE THE STORM DRAIN LATERAL CONNECTS TO A DROP INLET. THE MARKER BALL SHALL BE 3M 4" MARKER BALL 1404-XR OR APPROVED EQUAL.

23. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

24. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

CLV TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.

8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.

11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.

13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CLV FIRE DEPARTMENT NOTES

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 5124 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS. AUTHORIZED FIRE

HYDRANTS ARE AS FOLLOWS:
- KENNEDY - GUARDIAN MODELS K81A AND K81D
- MUELLER - SUPER CENTURION 250, MODEL A-423
- CLOW -MEDALLION MODEL F-2546LVD
- TROY VALVE - PATRIOT MODEL PT6100N, NEVADA HYDRANT
- U.S.PIPE - METROFLOW/M-03

A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.

ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. SNFC #6124, SECTION 1412.

TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. SNFC #6124 SECTION 507.5.7.3

ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. SNFC 507.2.1, NFPA 24

PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC 507; SNFC 507.5.7

PRIVATE HYDRANTS SHALL BE PAINTED RED. SNFC 507.5.7.1

PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507; SNFC 507.1

FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: SNFC C102
- RESIDENTIAL – 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
- COMMERCIAL – 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.

WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. SNFC C102.14

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. SNFC C102.12

A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC 102.4 THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. SNFC C102.7

THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. SNFC 102.6

TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.

ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. SNFC 503.2.3

THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. SNFC 503.2.7 / 503.2.8

THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. SNFC 503.2.4

VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. SNFC 503.2.1.1 / IFC 503

FIRE DEPARTMENT ACCESS ROADS IN ALL RESIDENTIAL DEVELOPMENTS (EXCEPT APARTMENT BUILDINGS) SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 36 FT FLOW LINE TO FLOW LINE (THIS WIDTH MAY BE REDUCED TO 24 FT IF ALL BUILDINGS FRONTING THE STREET ARE SPRINKLERED) FOR MAIN RESIDENTIAL STREETS, WITH PARKING PERMITTED ON BOTH SIDES OF THE STREET. PRIVATE DRIVE AISLES, DRIVEWAYS, ETC. SHALL BE ALLOWED TO BE REDUCED TO A MINIMUM WIDTH OF 24 FT FLOW LINE TO FLOW LINE WHEN SERVING NO MORE THE 6 RESIDENTS, AND WHEN ON STREET PARKING IS DISALLOWED. SNFC 503.2.1 / 503.2.11

ALL FIRE APPARATUS ACCESS ROADS IN COMMERCIAL DEVELOPMENTS AND APARTMENT COMPLEXES SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FT (FLOW LINE TO FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE; 32 FT (FLOW LINE TO FLOW LINE), WITH PARALLEL PARKING ON ONE SIDE. AND 36 FT (FLOW LINE TO FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. THESE WIDTHS MAY BE REDUCED TO 24 FT IF SPRINKLERED. SNFC 503.2.1.1

A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC 503.1.1 / SNFC 503.11

APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, AND FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-FAMILY RESIDENTIAL DEVELOPMENTS. SNFC 503.1.2

ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. SNFC 503.2.5

ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. SNFC 503.3

ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES. IFC / SNFC 503.6

CLV STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.

4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.

6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEFO PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.

7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.

8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.

10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHTS AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6331.

STORMWATER RUNOFF MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.

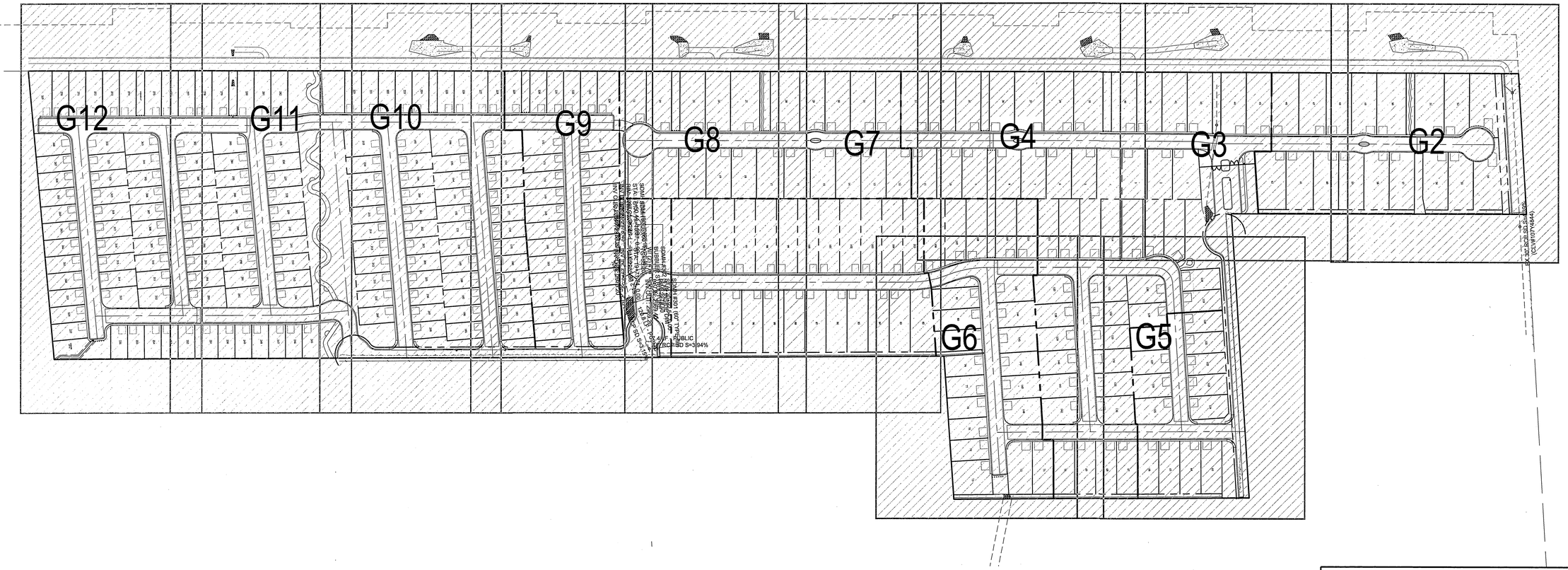
4. AT A MINIMUM, THE CONTRACTOR R HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER AND ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECCESSARY. SOME EXCEPTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

CLV GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTEDED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMDEIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-



SCALE

120 0 60 120 240 480

(IN FEET)
1 inch = 120ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

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ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.060IM 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
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OR
1-800-227-2600

FILE NAME: GRADING PLAN 1-6.DWG

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
8816 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

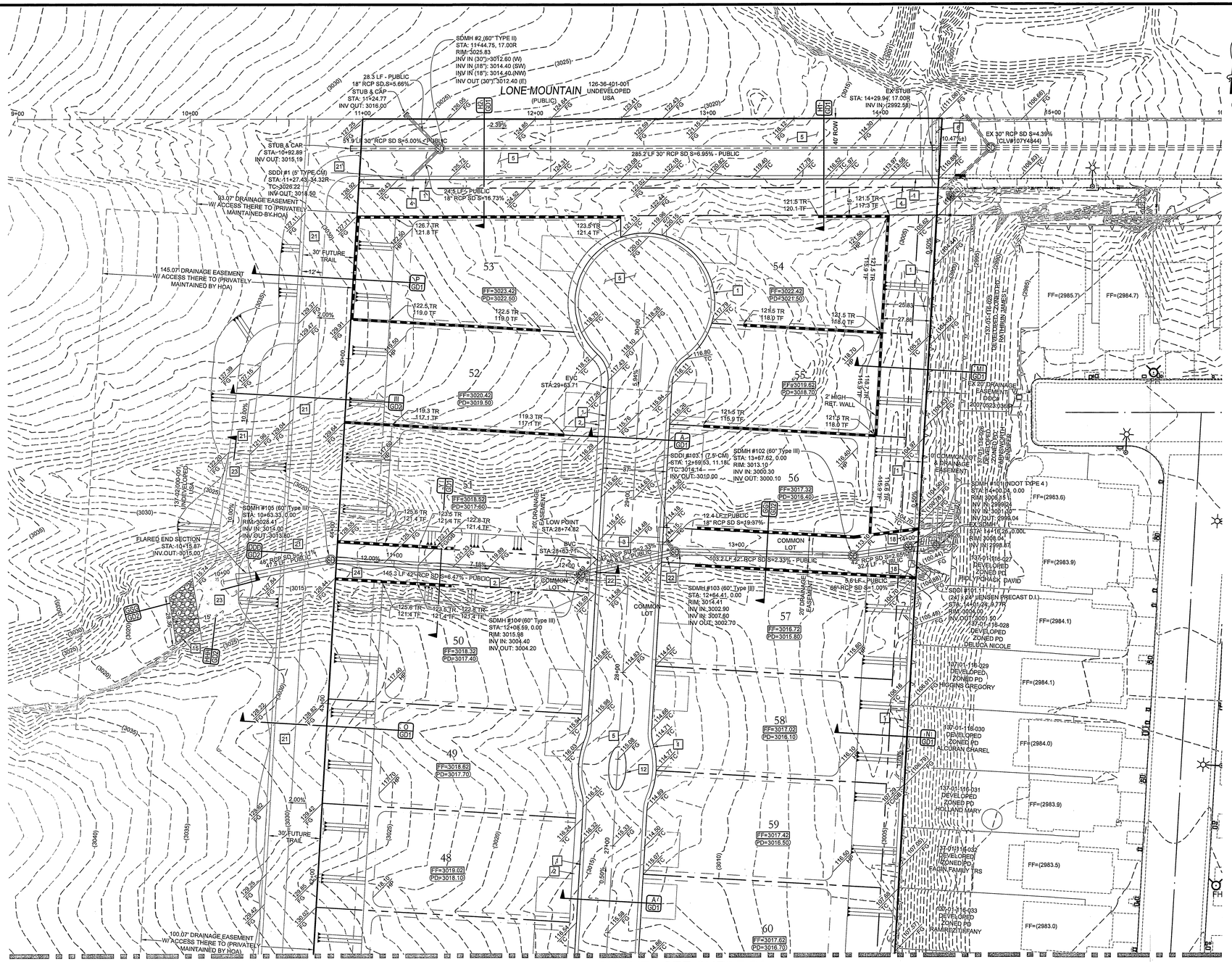
PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

KEY MAP
FOR
GRADING SHEETS

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/17/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=100'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G1
SHEET: 03 OF 47

CLV



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
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15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
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19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
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23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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ROBERT D. CUNNINGHAM, P.E. DATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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FILE NAME: GRADING PLAN 1--6.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

REGISTERED PROFESSIONAL ENGINEER
ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15725
STATE OF NEVADA
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G2
SHEET: 04 OF 47

CLV

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CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.05098M 2936.55 FT
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LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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ROBERT D. CUNNINGHAM, P.E. DATE

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FILE NAME: GRADING PLAN 1-6.DWG

NO.	DESCRIPTION	SH'TS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

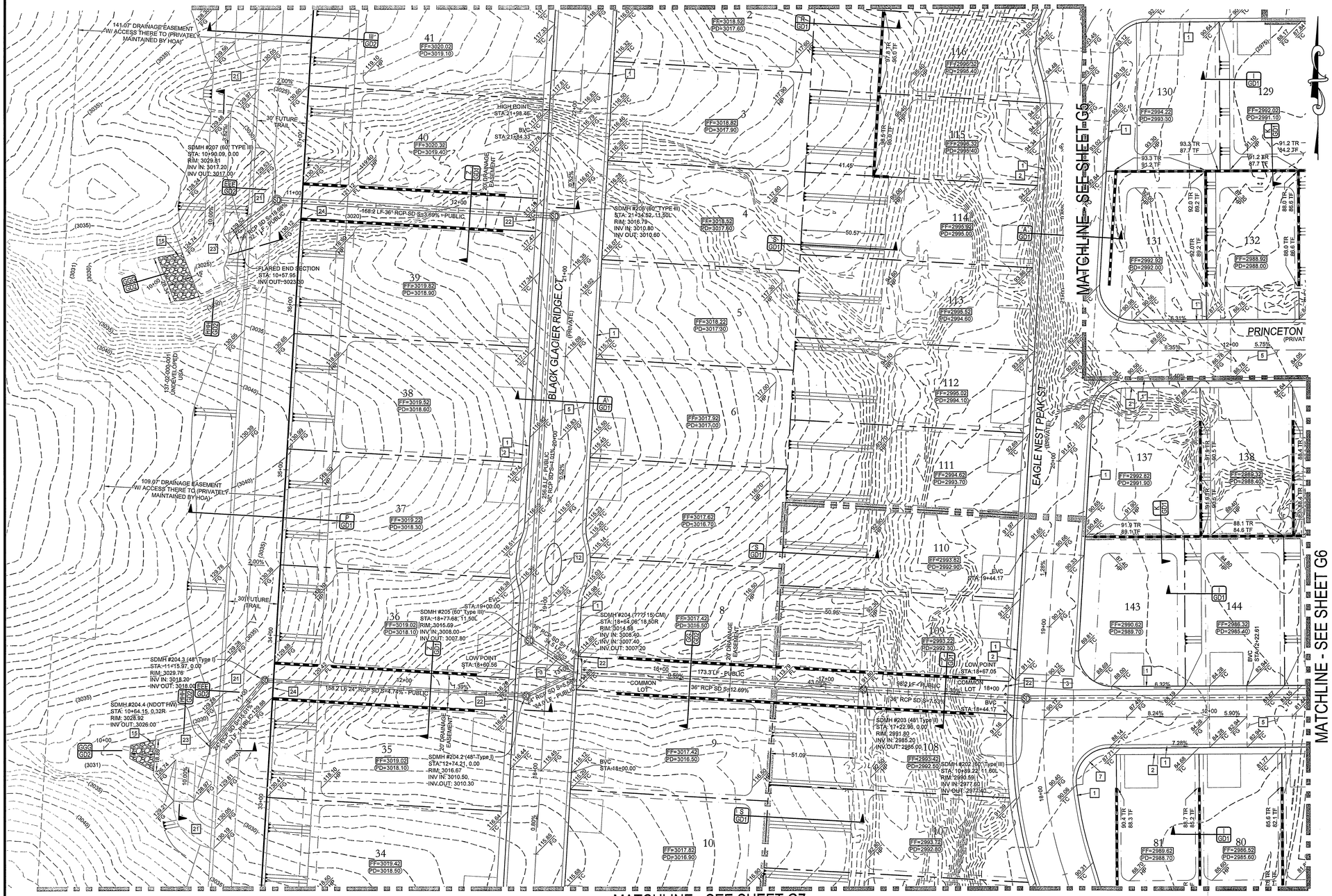
GRADING PLAN

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726

ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G3
SHEET: 05 OF 47

CLV



CONSTRUCTION NOTES

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8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" THICK COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDOCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

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1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
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OR
1-800-227-2600

FILE NAME: GRADING PLAN 1--6.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD., STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

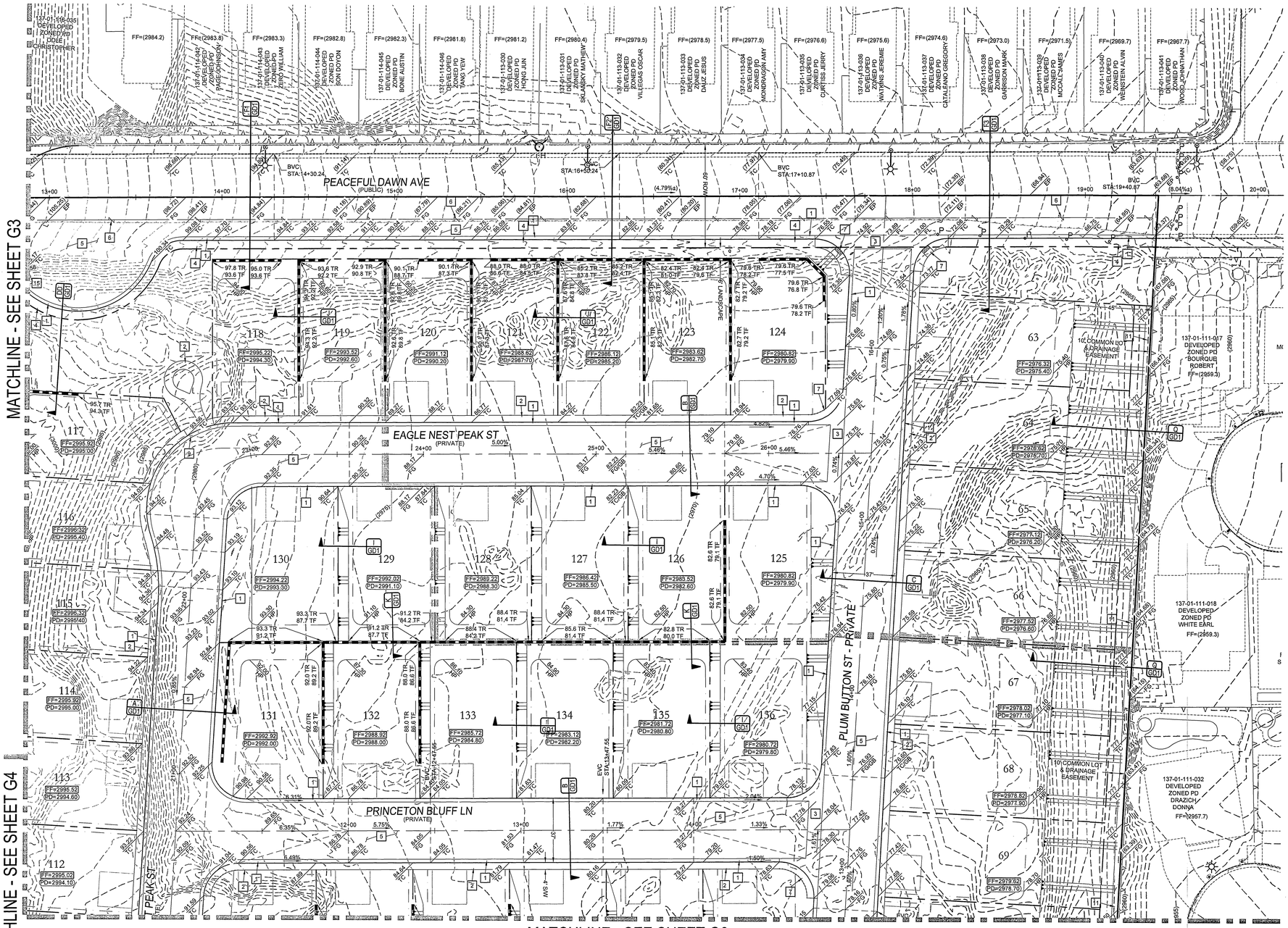
GRADING PLAN

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726

ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G4
SHEET: 06 OF 47

CLV



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
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9. SIDEWALK UNDERDRAIN (USD #236)
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24. WROUGHT IRON FENCE WITH ACCESS GATE

SCALE

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(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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GRADING CERTIFICATION

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ROBERT D. CUNNINGHAM, P.E. DATE

STORM DRAIN DROP INLET NOTE

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PRIVATE STREETS NOTE

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DRAINAGE EASEMENT NOTE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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FILE NAME: GRADING PLAN 1-6.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

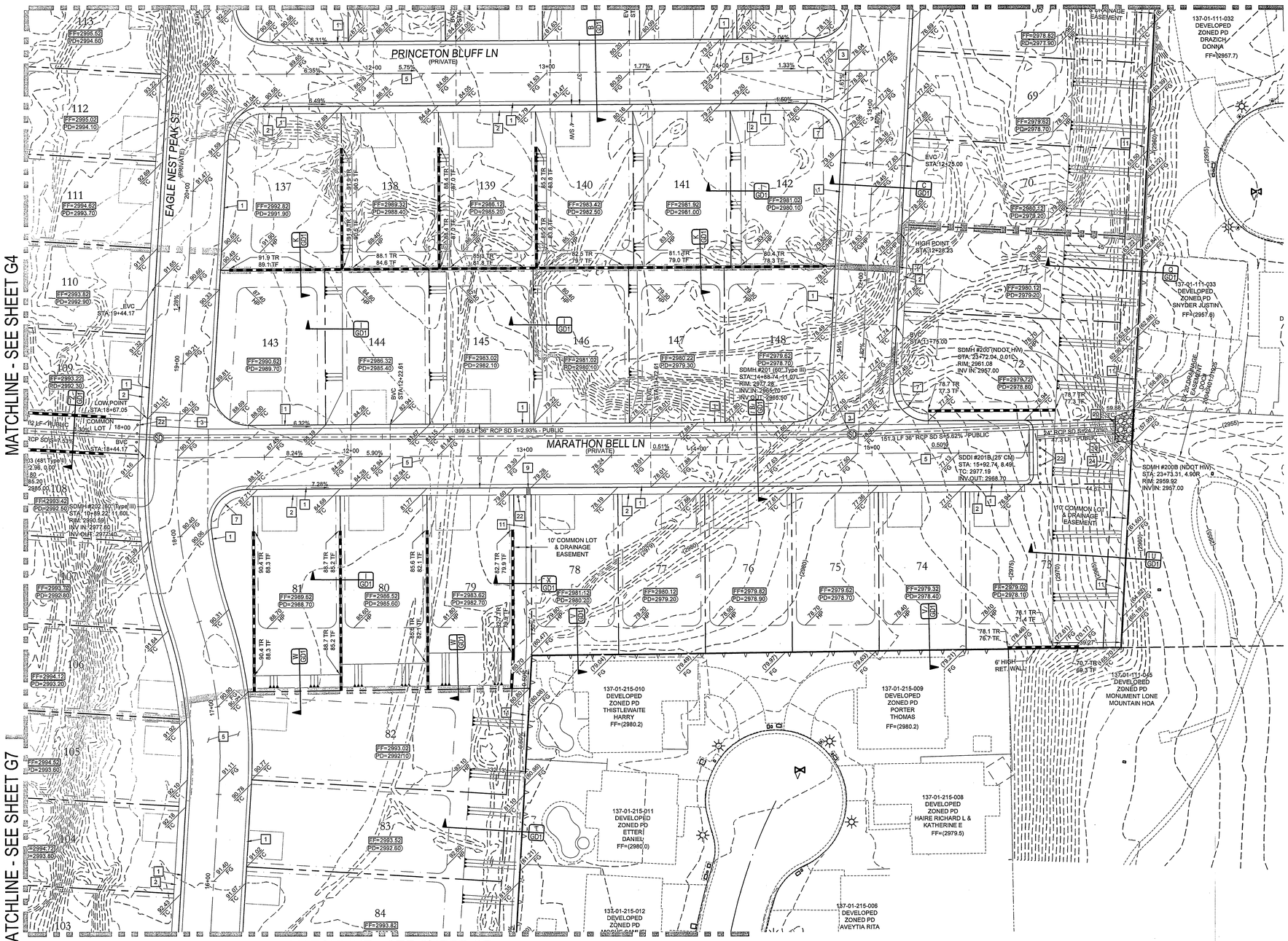
GRADING PLAN

ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G5
SHEET: 07 OF 47

CLV

MATCHLINE - SEE SHEET G5



MATCHLINE - SEE SHEET G4

MATCHLINE - SEE SHEET G7

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
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23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

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DRAINAGE EASEMENT NOTE

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.06909M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

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OR
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FILE NAME: GRADING PLAN 1-6.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. 89118
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

GRADING PLAN

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
276,564 CY FILL

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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FLOOD ZONE

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GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15739
STATE OF NEVADA
9/13/17
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G6
SHEET: 08 OF 47

CLV

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
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4. 5.0' SIDEWALK (USD #234)
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EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
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1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

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PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
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CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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FILE NAME: GRADING PLAN 7-13.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8327 FAX: N/A

TANCY ENGINEERING
6835 S. GOMER BLVD. STE# 100
LAS VEGAS, NV 89118
(702) 382-8844 FAX: (702) 382-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

GRADING PLAN

ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL

DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	G7
SHEET:	09 OF 47

CLV

MATCHLINE - SEE SHEET G7

MATCHLINE - SEE SHEET G9

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" THICK COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: GRADING PLAN 7-13.DWG

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6671 LAS VEGAS BLVD. SOUTH, SUITE 100
LAS VEGAS, NV 89119
(702) 362-8844 FAX: (702) 362-5233

NO.	DESCRIPTION	SH'TS.	APPR.	DATE
	REVISIONS			

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

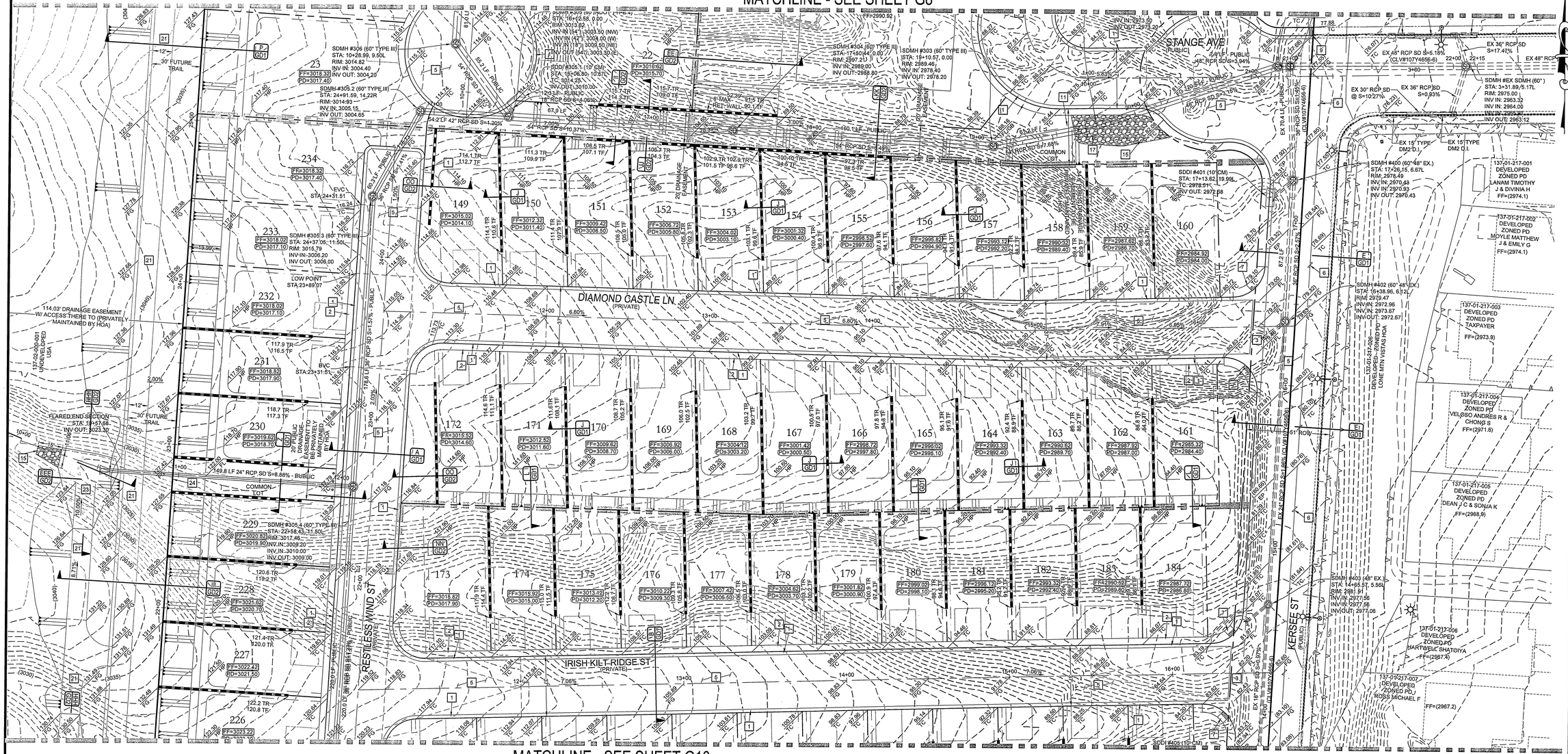
GRADING PLAN

PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726
12/17
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G8
SHEET: 10 OF 47

CLV

MATCHLINE - SEE SHEET G8


DIAMOND CASTLE LN
(PRIVATE)
IRISH KILT RIDGE ST
(PRIVATE)
RESTLESS WIND ST
(PRIVATE)
KERBEE ST
(PUBLIC)
STANGE AVE
(PUBLIC)
SDMH #306 (60" TYPE III)
STA: 10+28.99, 9.50L
RIM: 3014.82
INV IN: 3004.40
INV OUT: 3004.20
SDMH #305.2 (60" TYPE III)
STA: 24+91.59, 14.22R
RIM=3014.93 -
INV IN: 3005.15
INV OUT: 3004.65
SDMH #305.3 (60" TYPE III)
STA: 24+37.05, 11.50L
RIM: 3015.79
INV-IN: 3006.20
INV OUT: 3006.00
SDMH #305.4 (60" TYPE III)
STA: 22+58.43, 11.50L
RIM: 3017.46
INV.IN: 3009.20
INV.IN: 3010.00
INV.OUT: 3009.00
SDMH #304 (60" TYPE III)
STA: 17+90.04, 0.00
RIM: 2987.31
INV IN: 2980.00
INV OUT: 2988.80
SDMH #303 (60" TYPE III)
STA: 19+10.57, 0.00
RIM: 2989.46
INV IN: 2978.40
INV OUT: 2978.20
SDDI #305.1 (10' CM)
STA: 16+06.80, 10.87L
RIM: 3014.36
INV.OUT: 3010.00
SDDI #401 (10' CM)
STA: 17+13.62, 19.98L
INV OUT: 2972.88
SDDI #405 (10' CM)
SDMH #400 (60" 48" EX.)
STA: 17+26.15, 6.67L
RIM: 2978.49
INV IN: 2970.43
INV IN: 2970.93
INV OUT: 2970.43
SDMH #402 (60" 48" EX.)
STA: 16+38.86, 6.12L
RIM: 2979.47
INV.IN: 2972.96
INV.IN: 2973.67
INV.OUT: 2972.67
SDMH #403 (48" EX.)
STA: 14+55.57, 5.58L
RIM: 2981.91
INV IN: 2977.56
INV IN: 2977.56
INV.OUT: 2977.06
SDMH #EX. SDMH (60")
STA: 3+31.89,/5.17L
RIM: 2975.00
INV IN: 2963.32
INV IN: 2964.00
INV IN: 2965.37
INV OUT: 2963.12
EX 36" RCP SD S=17.42%
EX 48" RCP SD S=5.18%
EX 30" RCP SD @ S=10.27%
EX 36" RCP SD S=0.93%
EX 48" RCP SD S=3.94%
EX 36" RCP SD S=5.16%
EX 70 LF 18" RCP SD S=0.97%
EX 15" TYPE DM2 D.I.
EX 15" TYPE DM2 D.I.
137-01-217-001 DEVELOPED ZONED PD LANAM TIMOTHY J & DIVINIA H FF=(2974.1)
137-01-217-002 DEVELOPED ZONED PD MOYLE MATTHEW J & EMILY G FF=(2974.1)
137-01-217-003 DEVELOPED ZONED PD TAXPAYER FF=(2973.9)
137-01-217-004 DEVELOPED ZONED PD VELOSO ANDRES R & CHONG S FF=(2971.6)
137-01-217-005 DEVELOPED ZONED PD DEAN J C & SONJA K FF=(2968.9)
137-01-217-006 DEVELOPED ZONED PD HARTWELL SHATOIYA FF=(2957.4)
137-01-217-007 DEVELOPED ZONED PD ROSS MICHAEL F FF=(2967.2)
137-01-217-008 DEVELOPED ZONED PD LONE MTN VISTAS HOA
137-02-000-001 UNDEVELOPED USA
114.03' DRAINAGE EASEMENT W/ ACCESS THERE TO (PRIVATELY MAINTAINED BY HOA)
20' DRAINAGE EASEMENT
20' PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY HOA
FLARED END SECTION STA: 19+43.68 INV OUT: 3023.30
149.8 LF 24" RCP SD S=8.88% - PUBLIC
54.2 LF 42" RCP SD S=1.20%
54.4 LF 42" RCP SD S=10.37%
90.3 LF 36" RCP SD S=1.14%
36" RCP SD S=1.57% - PUBLIC
54" RCP SD S=1.68%
COMMON LOT
LOW POINT STA:23+89.07
BVC STA:23+31.51
EVC STA:24+31.51
6.80%
7.06%
6.89%
7.91%
2.00%
1.00%
-5.83%
-6.71%
8.71%
-7.68%
-8.88%
-7.42%
-7.28%
-7.14%
-7.00%
-6.86%
-6.72%
-6.58%
-6.44%
-6.30%
-6.16%
-6.02%
-5.88%
-5.74%
-5.60%
-5.46%
-5.32%
-5.18%
-5.04%
-4.90%
-4.76%
-4.62%
-4.48%
-4.34%
-4.20%
-4.06%
-3.92%
-3.78%
-3.64%
-3.50%
-3.36%
-3.22%
-3.08%
-2.94%
-2.80%
-2.66%
-2.52%
-2.38%
-2.24%
-2.10%
-1.96%
-1.82%
-1.68%
-1.54%
-1.40%
-1.26%
-1.12%
-0.98%
-0.84%
-0.70%
-0.56%
-0.42%
-0.28%
-0.14%
0.00%
0.14%
0.28%
0.42%
0.56%
0.70%
0.84%
0.98%
1.12%
1.26%
1.40%
1.54%
1.68%
1.82%
1.96%
2.10%
2.24%
2.38%
2.52%
2.66%
2.80%
2.94%
3.08%
3.22%
3.36%
3.50%
3.64%
3.78%
3.92%
4.06%
4.20%
4.34%
4.48%
4.62%
4.76%
4.90%
5.04%
5.18%
5.32%
5.46%

MATCHLINE - SEE SHEET G9

MATCHLINE - SEE SHEET G11

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
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9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
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24. WROUGHT IRON FENCE WITH ACCESS GATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

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ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

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EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

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SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

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GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

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Call Before You Dig
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CALL 811
OR
1-800-227-2600

FILE NAME: GRADING PLAN 7-13.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. #100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

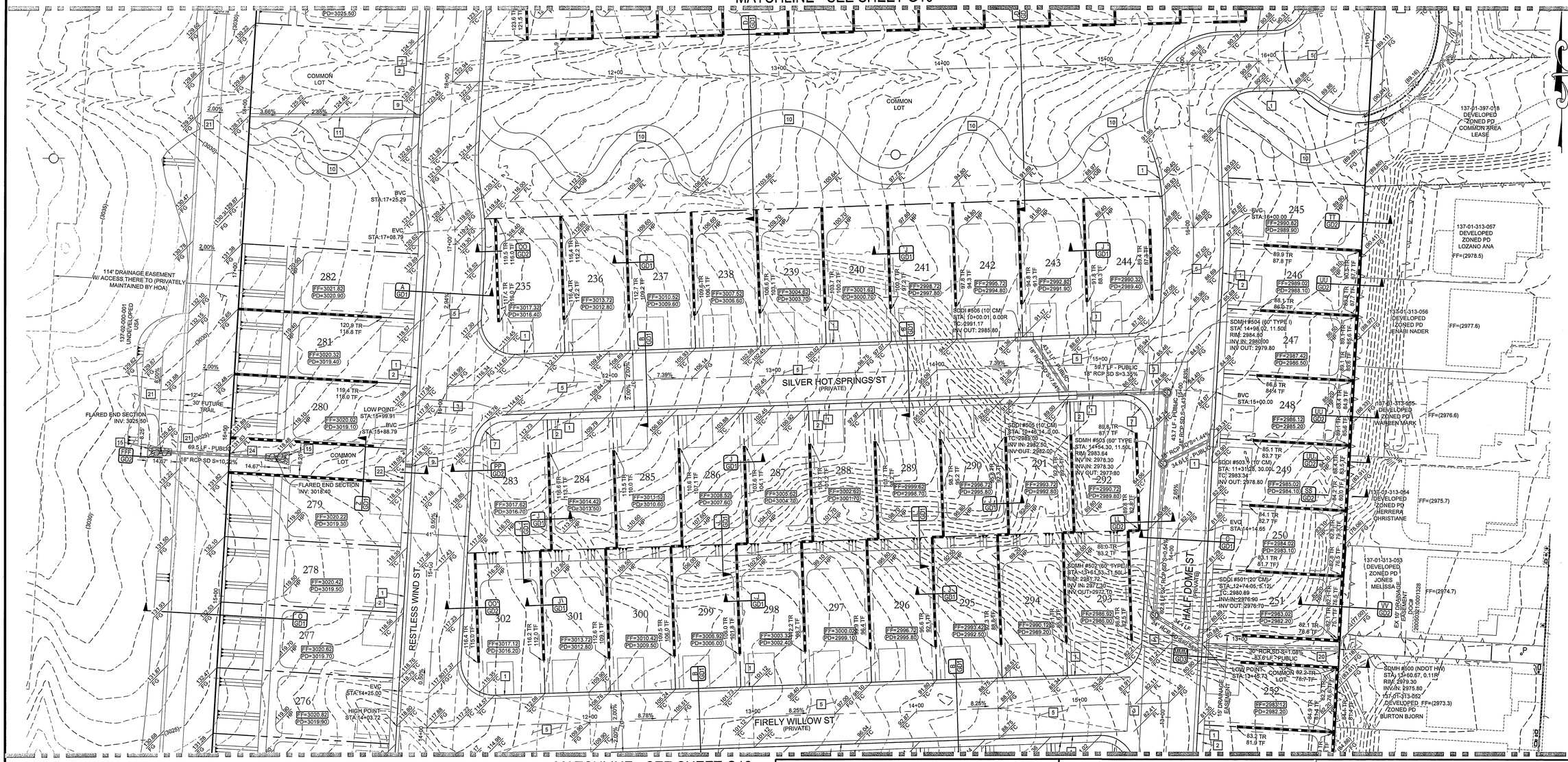
GRADING PLAN

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G10
SHEET: 12 OF 47

CLV

MATCHLINE - SEE SHEET G10


SILVER HOT SPRINGS ST
(PRIVATE)
RESTLESS WIND ST
(PRIVATE)
FIRELY WILLOW ST
(PRIVATE)
SHALL DOME ST
(PRIVATE)
COMMON LOT
LOW POINT STA:15+99.91
HIGH POINT STA:14+03.72
BVC STA:17+25.29
EVC STA:17+08.79
BVC STA:15+88.79
EVC STA:14+26.00
BVC STA:15+00.00
EVC STA:15+00.00
EVC STA:14+14.66
114' DRAINAGE EASEMENT W/ ACCESS THERE TO (PRIVATELY MAINTAINED BY HOA)
12' - 30' FUTURE TRAIL
69.5 LF - PUBLIC 18" RCP SD S=10.22%
FLARED END SECTION INV: 3025.50
FLARED END SECTION INV: 3018.40
137-01-397-018 DEVELOPED ZONED PD COMMON AREA LEASE
137-01-313-057 DEVELOPED ZONED PD LOZANO ANA FF=(2978.5)
137-01-313-056 DEVELOPED ZONED PD JENABI NADER FF=(2977.6)
137-01-313-055 DEVELOPED ZONED PD WARREN MARK FF=(2976.6)
137-01-313-054 DEVELOPED ZONED PD HERRERA CHRISTIANE FF=(2975.7)
137-01-313-053 DEVELOPED ZONED PD JONES MELISSA FF=(2974.7)
137-01-313-052 DEVELOPED ZONED PD BURTON BJORN FF=(2973.3)
SDMH #500 (NDOT HW) STA: 13+60.87, 0.1R RIM: 2979.30 INV.IN: 2975.80
SDMH #501 (120 CM) STA: 12+74+05.5 12L TC: 2980.69 INV.IN-2976.90 INV.OUT: 2976.70
SDMH #502 (60" TYPE I) STA: 13+61.53, 11.50L RIM: 2981.72 INV IN: 2977.30 INV.OUT: 2977.10
SDMH #503 (60" TYPE I) STA: 14+94.30, 11.50L RIM: 2983.64 INV.IN: 2978.30 INV.OUT: 2977.80
SDMH #504 (60" TYPE I) STA: 14+96.02, 11.50R RIM: 2984.60 INV.IN: 2980.00 INV.OUT: 2979.80
SDDI #505 (10' CM) STA: 10+00.01, 0.00R TC: 2991.17 INV.OUT: 2985.80
SDDI #506 (10' CM) STA: 10+48.14, 0.00L TC: 2989.00 INV.IN: 2982.30 INV.OUT: 2982.00
SDDI #503 (10' CM) STA: 11+31.28, 30.00L TC: 2983.34 INV.OUT: 2978.80
SDDI #501 (20' CM) STA: 12+74+05.5 12L TC: 2980.69 INV.IN-2976.90 INV.OUT: 2976.70
30" RCP SD S=1.08% 83.6 LF - PUBLIC
LOW POINT STA:13+48.73
COMMON LOT
15' DRAINAGE EASEMENT
18" RCP SD S=3.33%
34.7 LF - PUBLIC
18" RCP SD S=3.43%
43.7 LF - PUBLIC
18" RCP SD S=1.44%
18" RCP SD S=0.84%
14.67'
8.25'
15.67'
PP GD2
FF=3021.82 PD=3020.90
FF=3020.32 PD=3019.40
FF=3020.02 PD=3019.10
FF=3020.22 PD=3019.30
FF=3020.42 PD=3019.50
FF=3020.62 PD=3019.70
FF=3020.82 PD=3019.90
FF=3017.32 PD=3016.40
FF=3017.62 PD=3016.70
FF=3017.12 PD=3016.20
FF=3013.72 PD=3012.80
FF=3014.42 PD=3013.50
FF=3010.52 PD=3009.80
FF=3011.52 PD=3010.60
FF=3010.42 PD=3009.50
FF=3007.52 PD=3006.60
FF=3008.52 PD=3007.60
FF=3008.62 PD=3006.00
FF=3004.82 PD=3003.70
FF=3005.62 PD=3004.70
FF=3003.32 PD=3002.40
FF=3001.62 PD=3000.70
FF=3002.62 PD=3001.70
FF=3000.52 PD=2999.10
FF=2998.72 PD=2997.80
FF=2999.62 PD=2998.70
FF=2995.72 PD=2994.80
FF=2996.72 PD=2995.80
FF=2993.42 PD=2992.50
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FF=2983.12 PD=2982.20
FF=2986.92 PD=2986.00
120.9 TR 118.8 TF
119.4 TR 118.0 TF
115.6 TR 114.0 TF
116.5 TR 115.0 TF
116.2 TR 114.0 TF
115.6 TR 114.2 TF
116.6 TR 115.2 TF
116.8 TR 115.0 TF
115.5 TR 114.0 TF
116.6 TR 115.1 TF
115.6 TR 114.1

MATCHLINE - SEE SHEET G11

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" THICK COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

PRIVATE STREETS NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS-4600, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNNINGHAM, P.E. DATE

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: GRADING PLAN 7-13.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

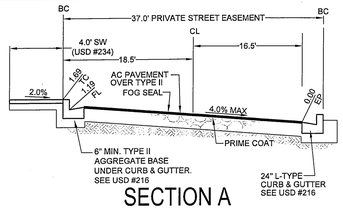
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING PLAN

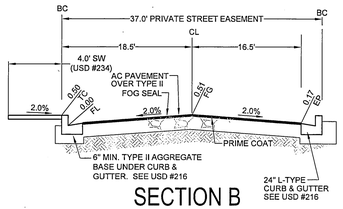
REGISTERED PROFESSIONAL ENGINEER — ROBERT D. CUNNINGHAM — Exp. 12-31-14 — CIVIL — No. 15726 — STATE OF NEVADA
9/19/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: G12
SHEET: 14 OF 47

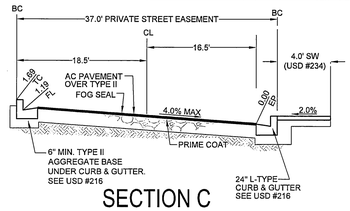
CLV



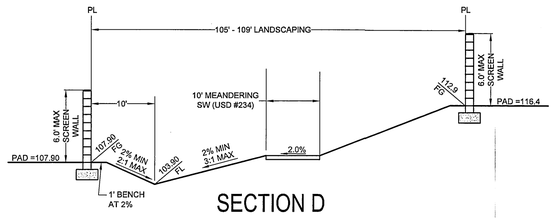
SECTION A
TYPICAL 41-FT WIDE PRIVATE DRIVE



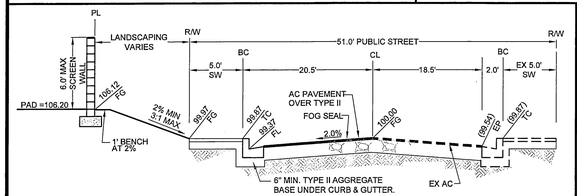
SECTION B
TYPICAL 41-FT WIDE PRIVATE DRIVE



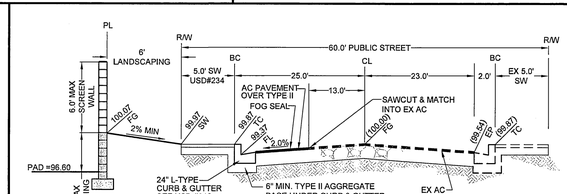
SECTION C
TYPICAL 41-FT WIDE PRIVATE DRIVE



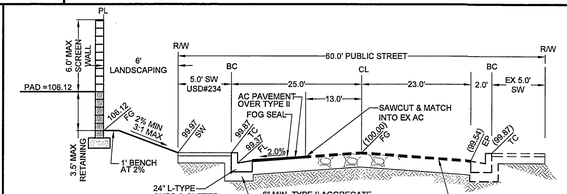
SECTION D



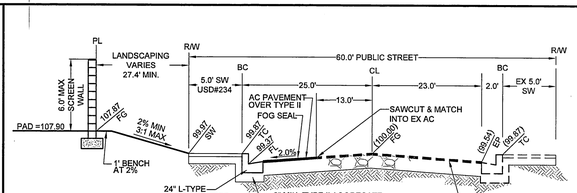
SECTION E - KERSEE ST.
51' PUBLIC STREET SECTION



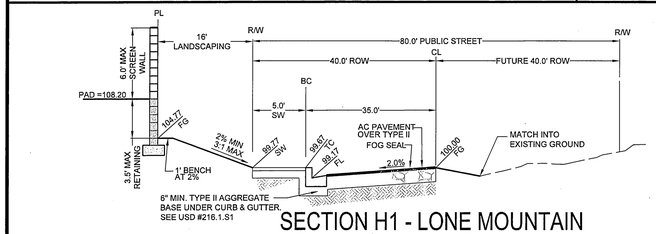
SECTION F1 - PEACEFUL DAWN
60' PUBLIC STREET SECTION



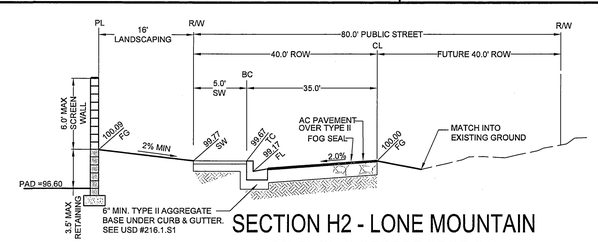
SECTION F2 - PEACEFUL DAWN
60' PUBLIC STREET SECTION



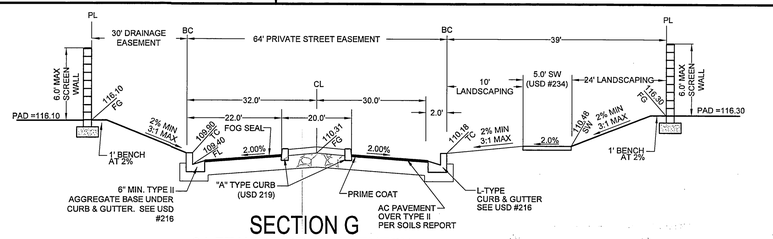
SECTION F3 - PEACEFUL DAWN
60' PUBLIC STREET SECTION



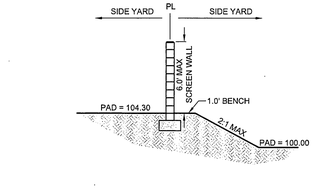
SECTION H1 - LONE MOUNTAIN
80' PUBLIC STREET SECTION



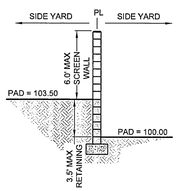
SECTION H2 - LONE MOUNTAIN
80' PUBLIC STREET SECTION



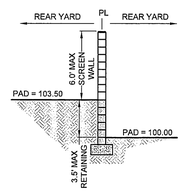
SECTION G
64-FT WIDE PRIVATE ENTRY



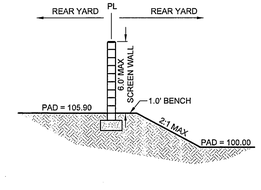
SECTION I
SIDE/SIDE YARDS



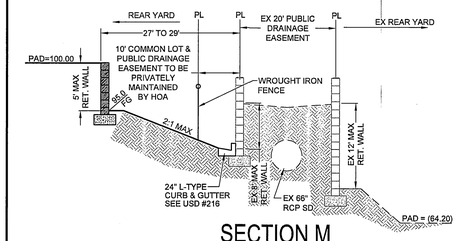
SECTION J
SIDE/SIDE YARDS



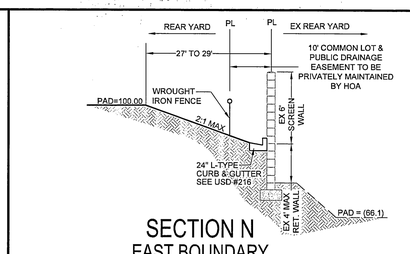
SECTION K
REAR/REAR YARDS



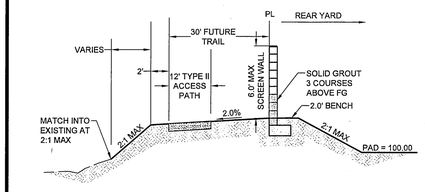
SECTION L
REAR/REAR YARDS



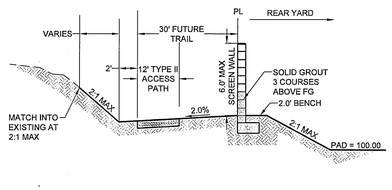
SECTION M
EAST BOUNDARY



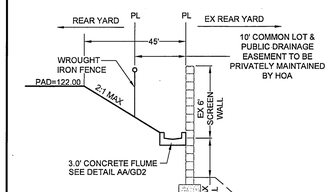
SECTION N
EAST BOUNDARY



SECTION O
WEST BOUNDARY



SECTION P
WEST BOUNDARY



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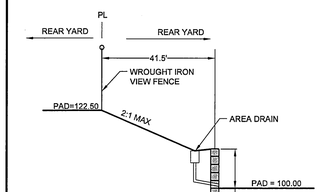
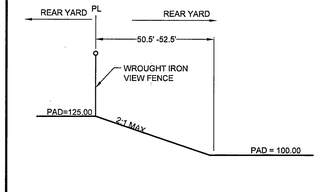
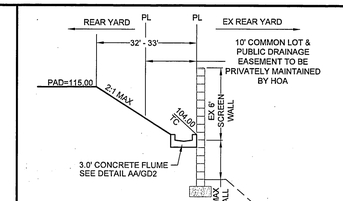


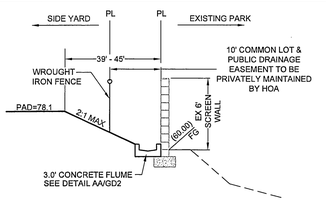
SECTION R
REAR/REAR YARDS



SECTION S
REAR/REAR YARDS



SECTION T
EAST BOUNDARY



SECTION U
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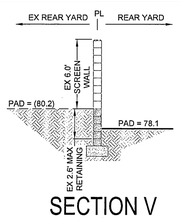
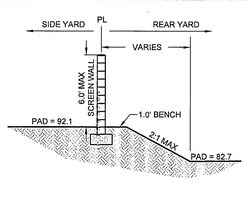
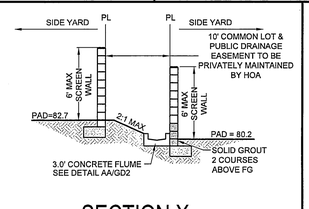


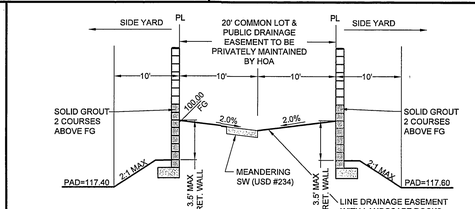
SECTION V
SOUTH BOUNDARY



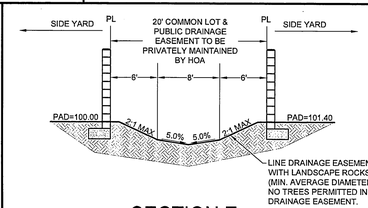
SECTION W
SIDE/REAR YARD



SECTION X
10-FT DRAINAGE EASEMENT



SECTION Y
20-FT DRAINAGE EASEMENT



SECTION Z
20-FT DRAINAGE EASEMENT

FILE NAME: GRADING DETAILS 15-17.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-9233

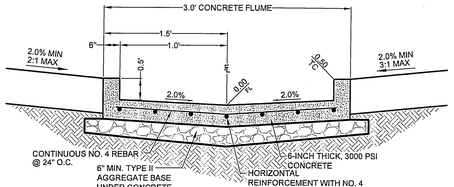
PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND CROSS SECTIONS

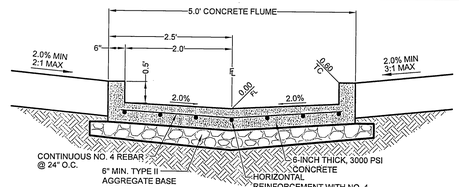
REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/13/13
ENGINEER'S SEAL

DATE:	9/13/2013
SCALE:	NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD1
SHEET:	15 OF 47

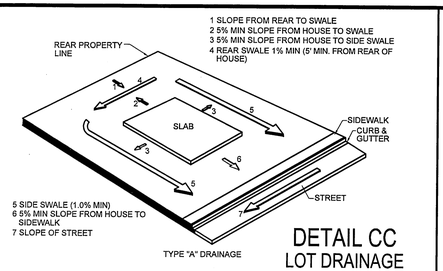
CLV



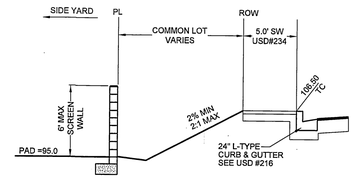
DETAIL AA
3.0' CONCRETE FLUME



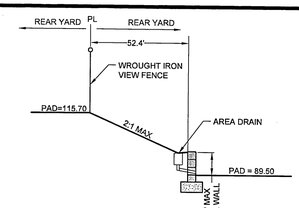
DETAIL BB
5.0' CONCRETE FLUME



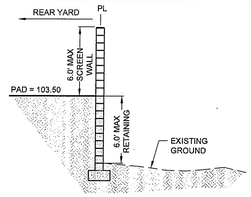
DETAIL CC
LOT DRAINAGE



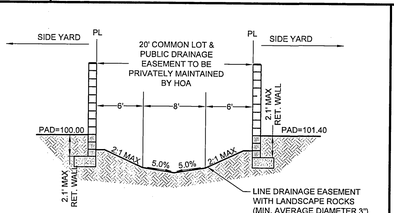
SECTION DD



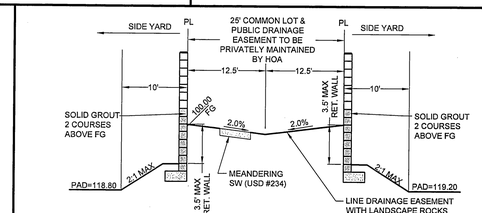
SECTION EE
REAR/REAR YARDS



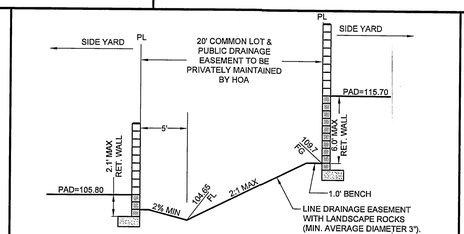
SECTION FF
SOUTHERN BOUNDARY



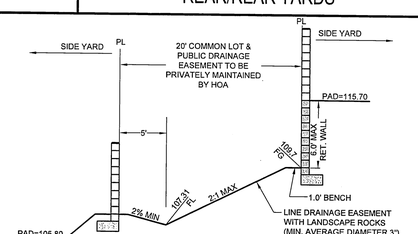
SECTION GG
20-FT DRAINAGE EASEMENT



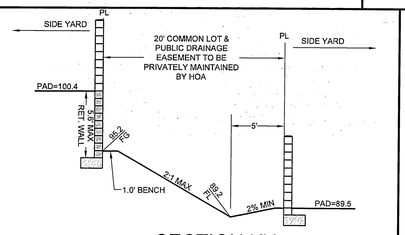
SECTION HH
20-FT DRAINAGE EASEMENT



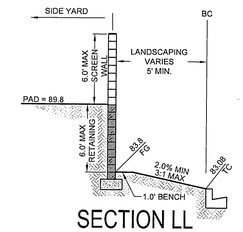
SECTION II
20-FT DRAINAGE EASEMENT



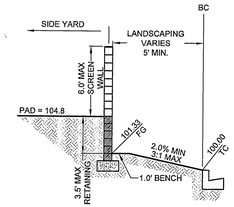
SECTION JJ
20-FT DRAINAGE EASEMENT



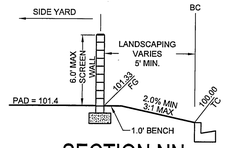
SECTION KK
20-FT DRAINAGE EASEMENT



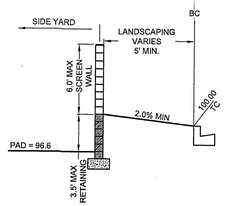
SECTION LL
SIDE CORNER YARDS



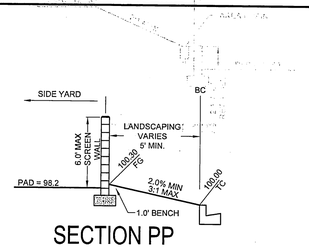
SECTION MM
SIDE CORNER YARDS



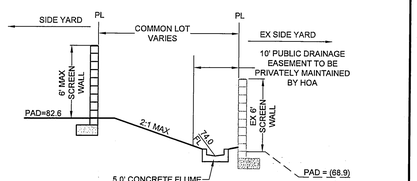
SECTION NN
SIDE CORNER YARDS



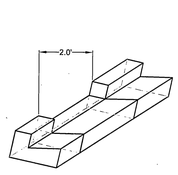
SECTION OO
SIDE CORNER YARDS



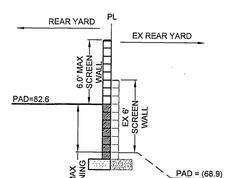
SECTION PP
SIDE CORNER YARDS



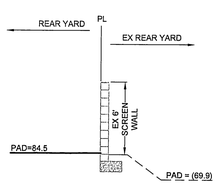
SECTION QQ
SIDE CORNER YARDS



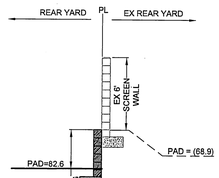
DETAIL RR
2' CURB CUT



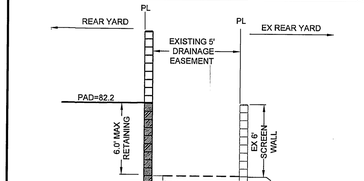
SECTION SS
EAST BOUNDARY



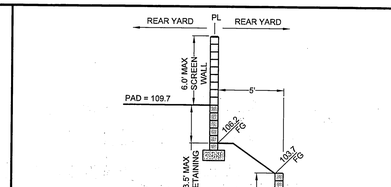
SECTION TT
EAST BOUNDARY



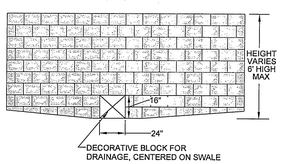
SECTION UU
EAST BOUNDARY



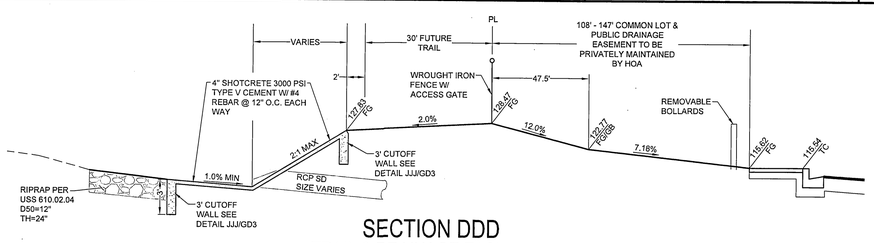
SECTION VV
EAST BOUNDARY



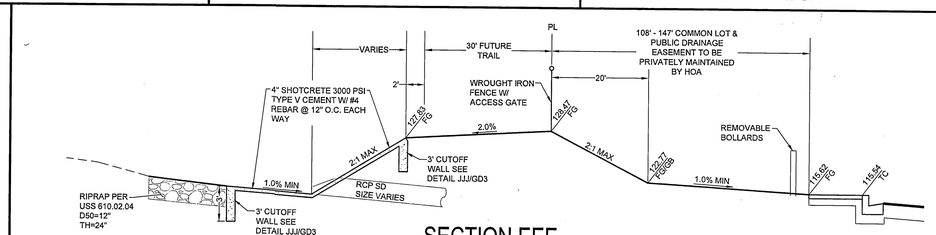
SECTION WW
REAR/REAR YARDS



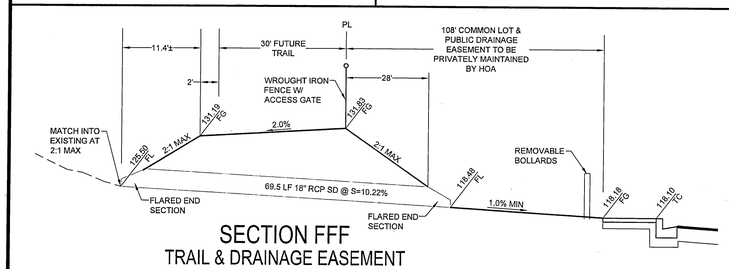
DETAIL CCC
BLOCK WALL OPENING



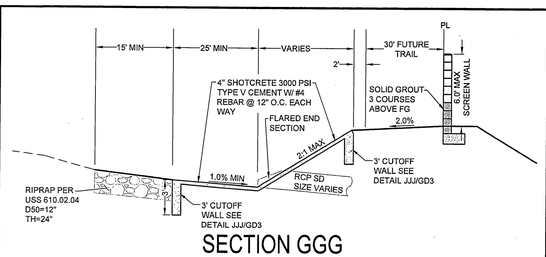
SECTION DDD
TRAIL & DRAINAGE EASEMENT



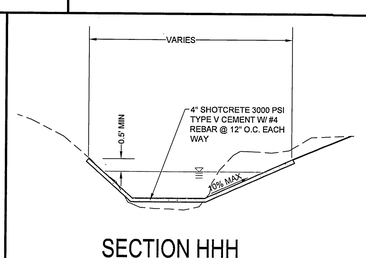
SECTION EEE
TRAIL & DRAINAGE EASEMENT



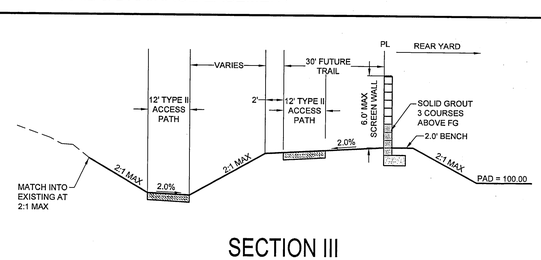
SECTION FFF
TRAIL & DRAINAGE EASEMENT



SECTION GGG
DRAINAGE ACCESS ROAD



SECTION HHH
ACCESS ROAD & BERM



SECTION III
WEST BOUNDARY

FILE NAME: GRADING DETAILS 15-17.DWG

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5223

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

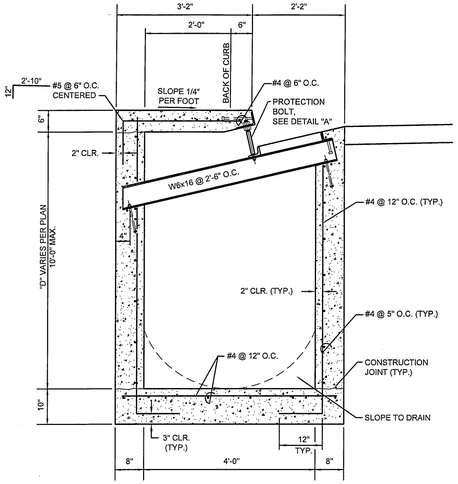
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND CROSS SECTIONS

REGISTERED PROFESSIONAL ENGINEER
ROBERT M. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/13/13
ENGINEER'S SEAL

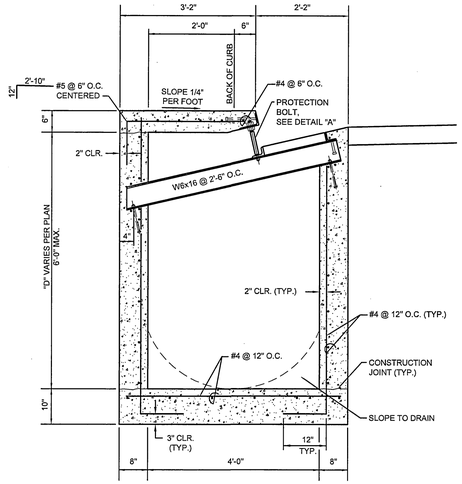
DATE: 9/13/2013
SCALE: NTS
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: GD2
SHEET: 16 OF 47

CLV



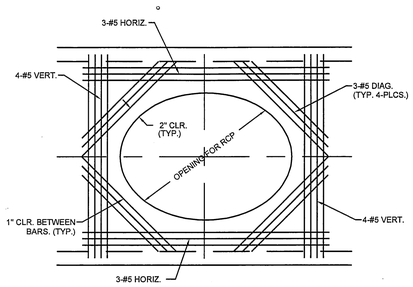
TYPE "CM" DROP INLET SECTION (8' TO 10' DEEP)

SCALE 3/4"=1'



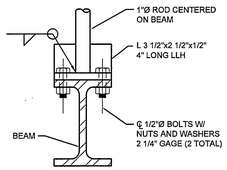
TYPE "CM" DROP INLET SECTION (6' DEEP MAX.)

SCALE 3/4"=1'



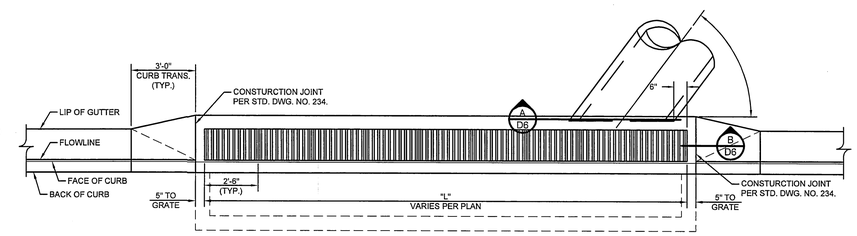
SECTION "A"

SCALE 3/4"=1'



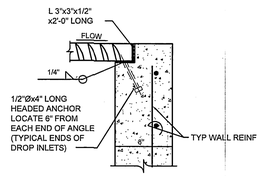
DETAIL "B"

SCALE 3"=1'



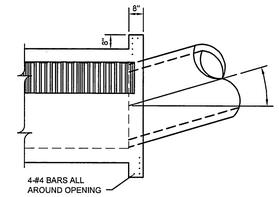
DROP INLET LAYOUT PLAN

SCALE 3/8"=1'



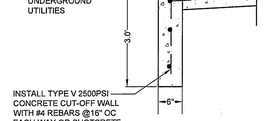
SECTION "B"

SCALE 1-1/2"=1'



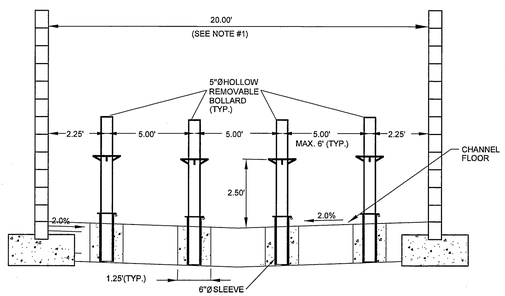
ALTERNATE CONNECTION DETAIL

SCALE 3/8"=1'



DETAIL JJJ

3.0' CUT-OFF WALL



SECTION A-A'

NOTE #1: 20' STANDARD WIDTH, DIFFERENT WIDTHS TO BE DESIGNED ACCORDINGLY.

ONE PERCENT MINIMUM SLOPE THROUGH DRAINAGE SLAB IS REQUIRED. WHERE A STORM DRAIN LINE IS AVAILABLE IN THE EXTERIOR STREET, A STORM DRAIN INLET AT THE BEGINNING OF THE EASEMENT AND AN 18-INCH MINIMUM STORM DRAIN PIPE IS REQUIRED TO COVEY NUISANCE WATER THROUGH THE EASEMENT.

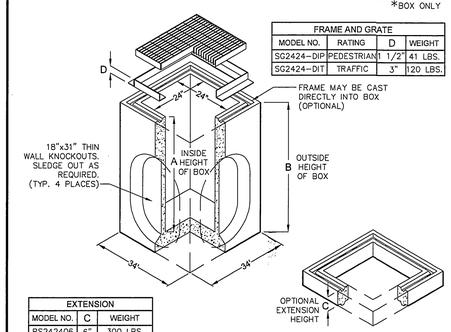
GENERAL NOTE: GATE AND FENCE CONSTRUCTION IS INTENDED TO PREVENT STORAGE OF MATERIALS AND VEHICLES WITHIN CHANNEL. PREVENTION OF PEDESTRIAN USE MAY BE IMPAIRED, BUT THE DESIGN IS NOT INTENDED TO PREVENT PEDESTRIAN TRAFFIC. BOLLARDS MAY BE USED IN LIEU OF GATE IF PEDESTRIAN ACCESS IS DESIRED.

NOTE: BOLLARDS AND SLEEVE WILL BE EMBEDDED IN FRESH CONCRETE. WHEN PLACED IN HARDENED CONCRETE, THE SIZE OF THE CORINGS WILL BE 10" FOR BOLLARDS, AND 12" FOR SLEEVE BOLLARDS AND SLEEVE TO BE FULLY GROUTED WITH HIGH STRENGTH GROUT.

NOTE: ALL STEEL USED FOR BOLLARDS AND SLEEVE WILL BE SCHEDULE 40. EXPOSED STEEL WILL BE PRIMERED AND PAINTED YELLOW.

DETAIL KKK

REMOVABLE BOLLARDS



DROP INLET			
MODEL NO.	A	B	*WEIGHT
DI242436	36"	42"	1900 LBS.
DI242448	48"	54"	2500 LBS.

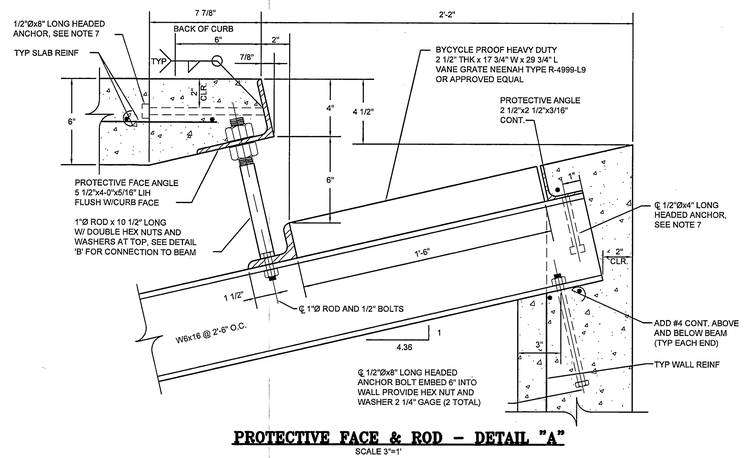
*BOX ONLY

FRAME AND GRATE			
MODEL NO.	RATING	D	WEIGHT
SG2424-DIP	PEDESTRIAN	1 1/2"	41 LBS.
SG2424-DIT	TRAFFIC	3"	120 LBS.

EXTENSION		
MODEL NO.	C	WEIGHT
RS242406	6"	300 LBS.
RS242412	12"	600 LBS.

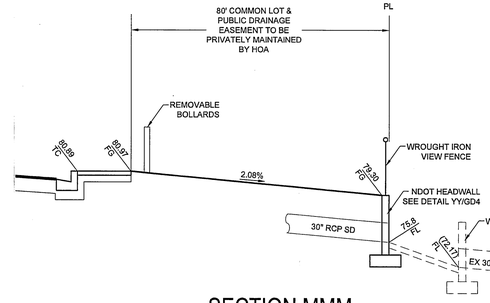
DETAIL LLL

24" X 24" JENSEN PRECAST DROP INLET



PROTECTIVE FACE & ROD - DETAIL "A"

SCALE 3"=1'



SECTION MMM

TRAIL & DRAINAGE EASEMENT

NOTES:

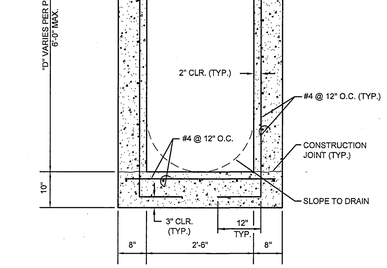
1. ALL EXPOSED METALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. PROVIDE 1/2" (MIN.) CLEARANCE ALL AROUND THE STEEL BEAM, DRY PACK AFTER INSTALLATION.
3. WHEN REQUIRED BY LENGTH OF OPENING, PLATE ANGLE MAYBE DELIVERED IN SECTIONS AND BUTT WELDED IN PLACE.
4. ALL GALVANIZING DAMAGED BY WELDING SHALL RECEIVE TWO COATS OF GALVALLOY OR EQUAL.
5. CONCRETE SHALL BE MODIFIED CLASS DA, SEE SPECIAL PROVISIONS SECTION 501.
6. SEE GENERAL NOTES FOR STRUCTURES ON DWG D8.
7. ANGLE ANCHORS SHALL BE EMBEDDED MIDPOINT IN EACH ENDWALL AND EVENLY SPACED. (MAXIMUM SPACING OF 2')

DETAIL XX

TYPE 'CM' DROP INLET

TYPE "CM" DROP INLET SECTION (6' TO 8' DEEP)

SCALE 3/4"=1'



TYPE "DM" DROP INLET SECTION

SCALE 3/4"=1'

REVISIONS			
NO.	DESCRIPTION	APPR.	DATE

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: NA

TANEY ENGINEERING
6030 S. JONES BLVD. #100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND CROSS SECTIONS

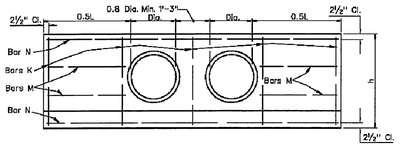
PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL
No. 15726
9/16/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: NTS
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: GD3
SHEET: 17 OF 47

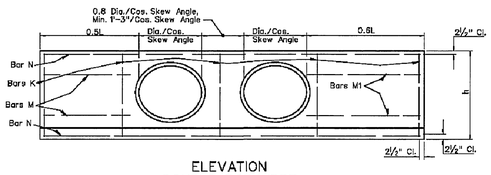
CLV

FILE NAME: GRADING DETAILS 15-17.DWG

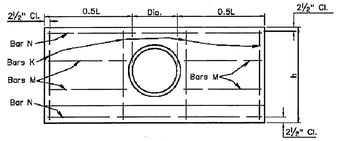
SECTION
FOR ALL HEADWALLS



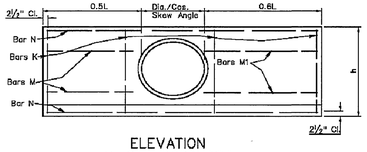
ELEVATION
DOUBLE RCP/HDPE



ELEVATION
DOUBLE RCP/HDPE



ELEVATION
SINGLE RCP/HDPE
0° SKEW



ELEVATION
SINGLE RCP/HDPE
15° TO 45° SKEW

SHEET 1 OF 2

NEVADA DEPARTMENT OF TRANSPORTATION

CULVERT HEADWALLS
12" TO 36" RCP/HDPE

Signed Original On File	R-2.5.1	(SO2)
CHIEF HYDRAULICS ENGINEER	ADOPTED 8/98	REVISED 1/08

QUANTITIES SHOWN BELOW ARE FOR ONE HEADWALL.

RCP/HDPE SIZE DIA.	LENGTH OF REINFORCING BARS														
	SINGLE RCP/HDPE					SINGLE OR DOUBLE RCP/HDPE						DOUBLE RCP/HDPE			
	0°-45°	0°	15°	30°	45°	0°	15°	30°		45°		0°-45°	0°	15°	30°	45°
	NO. 4	NO. 5	NO. 5	NO. 5	NO. 5	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 4	NO. 5	NO. 5	NO. 5	NO. 5
	K	N	N	N	N	M	M	M	M1	M	M1	K	N	N	N	N
12"	5821'-8"	2841'-9"	2851'-2"	2851'-4"	2851'-7"	2811'-7"	1811'-5"	1821'-1"	1811'-4"	1811'-2"	1811'-4"	7821'-9"	2871'	2871'-6"	2871'-11"	2881'-9"
15"	5831'-1"	2851'	2861'-6"	2861'-8"	2871'	2821'-1"	1811'-11"	1821'-8"	1811'-10"	1821'-9"	1811'-7"	1831'	7831'-1"	2881'-6"	2851'-2"	2891'-7"	2810'-7"
18"	5831'-4"	2871'	2871'-8"	2871'-10"	2881'-2"	1821'-5"	2821'-3"	2831'-1"	2821'-2"	2831'-2"	2811'-11"	2831'-5"	7831'-4"	2891'-9"	2810'-6"	2811'	2812'-1"
21"	5831'-6"	2881'	2881'-9"	2881'-11"	2891'-5"	1821'-9"	2821'-7"	2831'-6"	2831'-7"	2821'-3"	2831'-10"	2831'-8"	7831'-8"	2811'-2"	2812'	2812'-7"	2813'-10"
24"	5831'-11"	2891'	2891'-10"	2810'-1"	2810'-7"	1831'-2"	2831'	2841'	2831'-11"	2841'-1"	2821'-8"	2841'-4"	7831'-11"	2812'-7"	2813'-7"	2814'-2"	2815'-8"
27"	5841'-2"	2810'	2810'-11"	2811'-2"	2811'-9"	1831'-6"	2831'-4"	2841'-4"	2831'-3"	2841'-5"	2831'	2841'-8"	7841'-2"	2814'-1"	2815'-1"	2815'-10"	2817'-6"
30"	5841'-6"	2811'-3"	2812'-3"	2812'-7"	2813'-2"	1841'	2831'-10"	2851'	2831'-9"	2851'-1"	2831'-6"	2851'-4"	7841'-6"	2815'-9"	2815'-11"	2817'-9"	2819'-7"
33"	5841'-10"	2812'-3"	2813'-4"	2813'-8"	2814'-6"	1841'-3"	2841'-1"	2851'-3"	2841'	2851'-4"	2831'-9"	2851'-7"	7841'-10"	2817'-3"	2818'-6"	2819'-5"	2821'-5"
36"	5845'-1"	2813'-3"	2814'-5"	2814'-9"	2815'-7"	1841'-6"	3841'-1"	3851'-9"	3841'-5"	3851'-10"	3841'-2"	3861'-1"	7845'-1"	2818'-8"	2820'	2821'	2823'-2"

NOTES:

1. CONCRETE SHALL BE CLASS A OR AA.
2. REINFORCING STEEL SHALL BE DEFORMED BARS WITH MAXIMUM SPACING OF 18" SET 2½" CLEAR OF SURFACE OF CONCRETE EXCEPT AS NOTED. BAR ENDS SHALL BE KEPT 1½" CLEAR OF SURFACE OF CONCRETE. REINFORCING BARS MAY BE CUT AND BENT IN FIELD.
3. FOOTINGS SHOWN ARE OF MINIMUM DEPTH AND SHALL BE EXTENDED IF SOIL IS UNSUITABLE OR LIABLE TO SCOUR.
4. CULVERT PIPES TO BE SET ON A SKEW SHALL BE MITERED WHEN HEADWALLS ARE CONSTRUCTED. WHEN HEADWALLS ARE NOT CONSTRUCTED THE PIPES SHALL NOT BE MITERED EXCEPT IN OVERFLOW SECTION.
5. FOR ESTIMATING HEADWALL QUANTITIES ON SKEWED CULVERTS:
   0° to 10° – USE QUANTITIES FOR 0° SKEW.
   11° to 25° – USE QUANTITIES FOR 15° SKEW.
   26° to 40° – USE QUANTITIES FOR 30° SKEW.
   41° to 55° – USE QUANTITIES FOR 45° SKEW.
   OVER 55° – CALCULATE QUANTITIES REQUIRED.
   CULVERTS SHOULD BE INSTALLED ON 5° INCREMENTS WHERE IT IS FEASIBLE.
6. DIMENSIONS X,Y,L, AND h TO REMAIN CONSTANT REGUARDLESS OF MINOR VARIATIONS IN WALL THICKNESS DUE TO CLASS OR TYPE OF PIPE USED.
7. REFER TO SHEET R-2.9.1 FOR DETAILS IF CONNECTING TO HDPE PIPE.

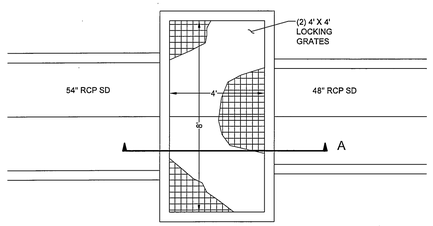
SHEET 2 OF 2

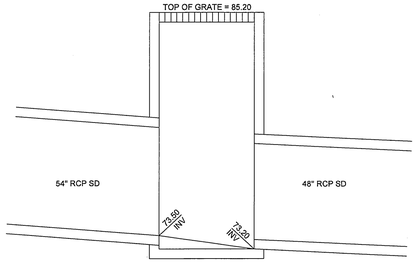
NEVADA DEPARTMENT OF TRANSPORTATION

CULVERT HEADWALLS
12" TO 36" RCP/HDPE

Signed Original On File	R-2.5.1.1	(SO2)
CHIEF HYDRAULICS ENGINEER	ADOPTED 8/98	REVISED 1/08

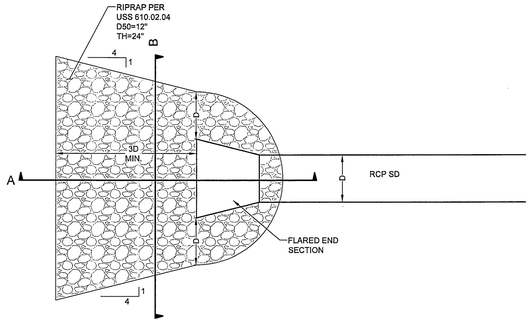
DETAIL YY
NDOT HEADWALL

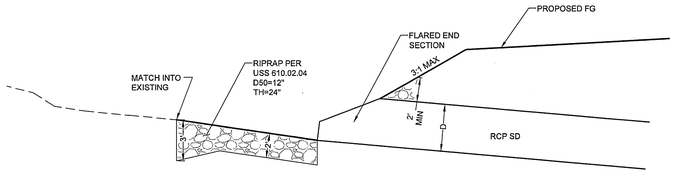




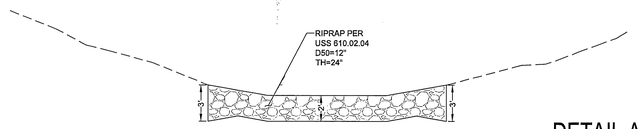
SECTION A

DETAIL ZZ
8' X 4' BUBBLER STRUCTURE



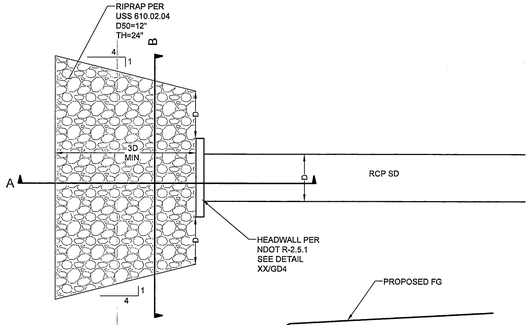


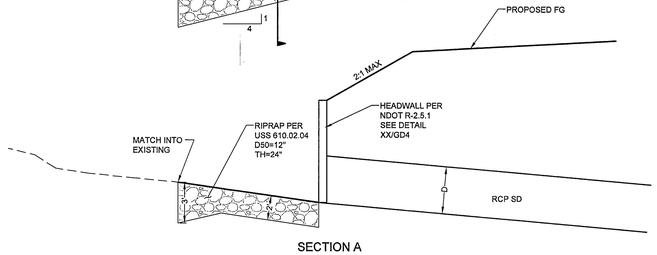
SECTION A



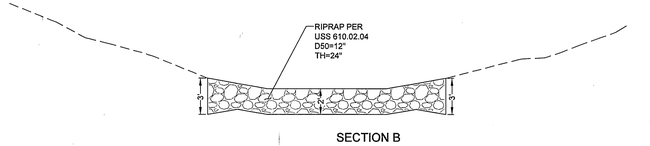
SECTION B

DETAIL AAA
TYPICAL RCP ENTRANCE DETAIL





SECTION A



SECTION B

DETAIL BBB
TYPICAL RCP ENTRANCE @ HEADWALL DETAIL

NO.	DESCRIPTION	REVISIONS

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

GRADING DETAILS AND CROSS SECTIONS

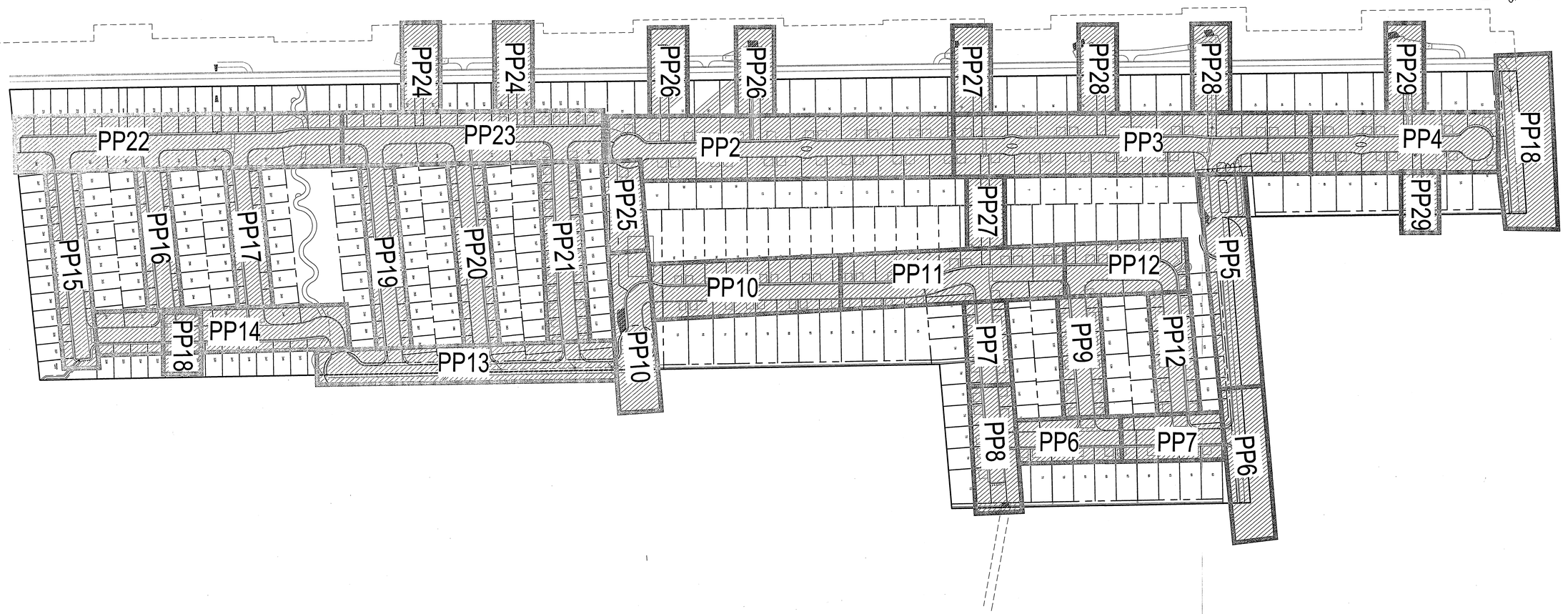
REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

9/13

DATE:	9/13/2013
SCALE:	NTS
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	GD4
SHEET:	18 OF 47

CLV

FILE NAME: GRADING DETAILS 15-17.DWG



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1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: P&P_1-6.DWG

SCALE

120 0 60 120 240 480

(IN FEET)
1 inch = 120ft.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 294,814 CY CUT
278,664 CY FILL

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

UTILITY DISCLAIMER NOTE

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

REVISIONS

NO.	DESCRIPTION	SHTS.	APPR.	DATE

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8020 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

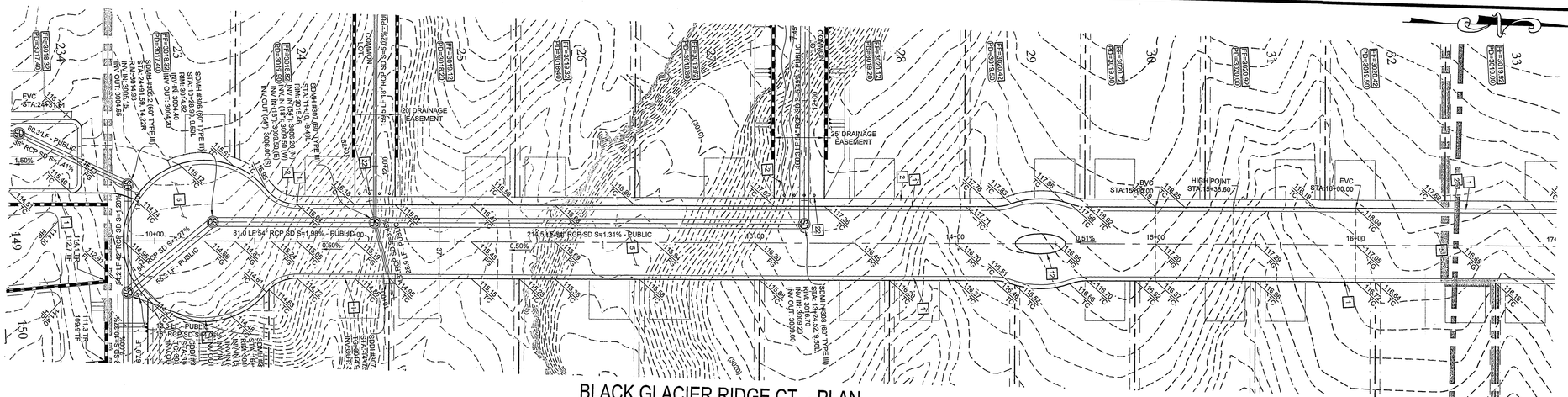
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

PLAN & PROFILE KEY MAP

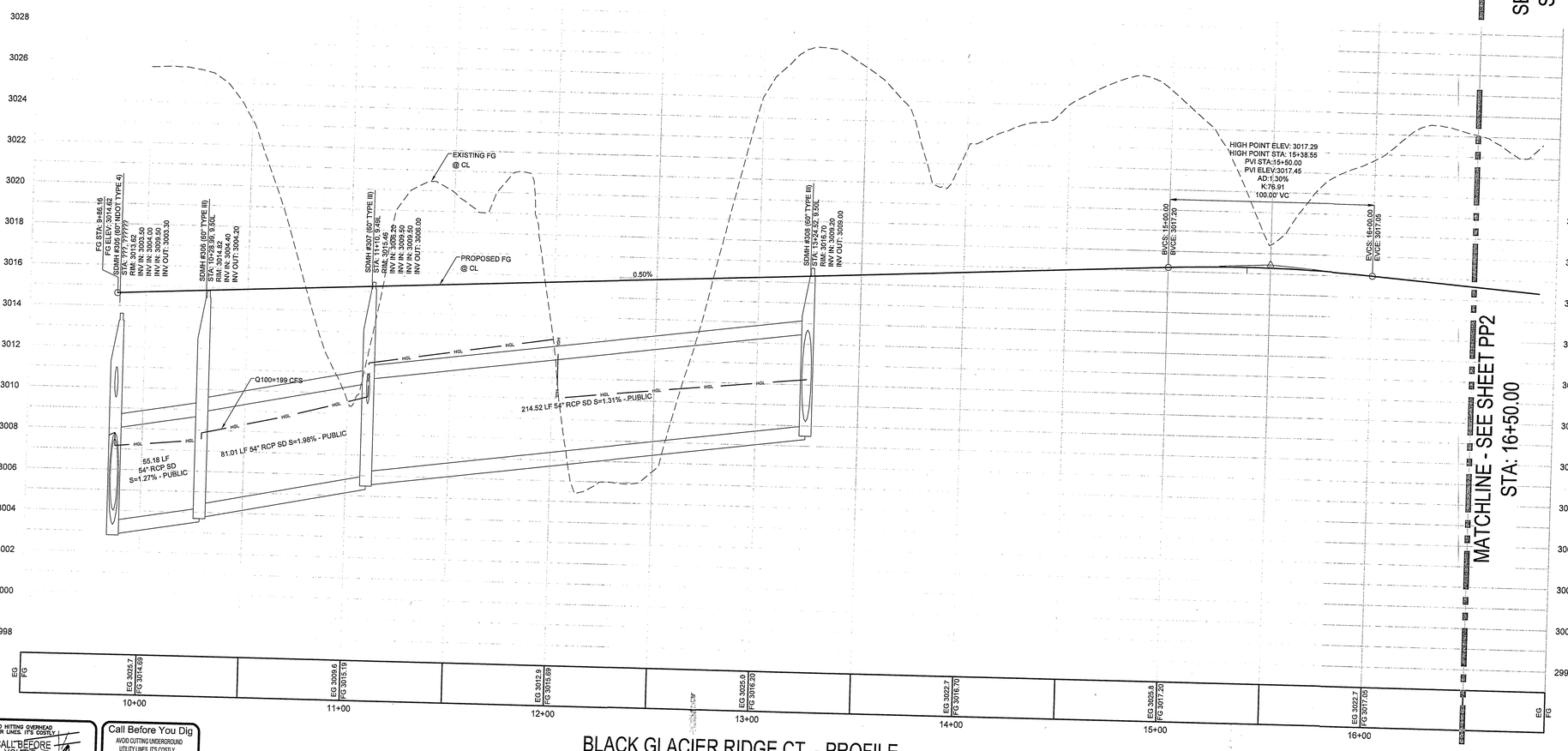
REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
ENGINEER'S SEAL
9/13/13

DATE: 9/17/2013
SCALE: 1"=120'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP1
SHEET: 19 OF 47

CLV



BLACK GLACIER RIDGE CT. - PLAN
STA: 10+00.00 TO 16+50.00



BLACK GLACIER RIDGE CT. - PROFILE
STA: 10+00.00 TO 16+50.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

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Call Before You Dig
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CALL 811
OR
1-800-227-2600

FILE NAME: P&P_1-6.DWG

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
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6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP; D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" THICK COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

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PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0608M 2936.55 FT
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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

THM ENTERPRISES LLC
16655 PARK RUN DRIVE, SUITE #230
LAS VEGAS, NV 89147
(702) 853-6320 FAX: N/A

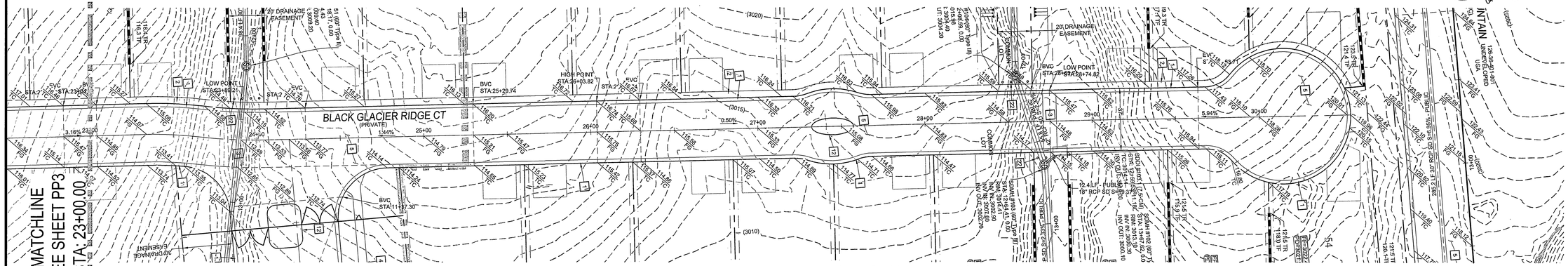
TANEY ENGINEERING
6039 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-3233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

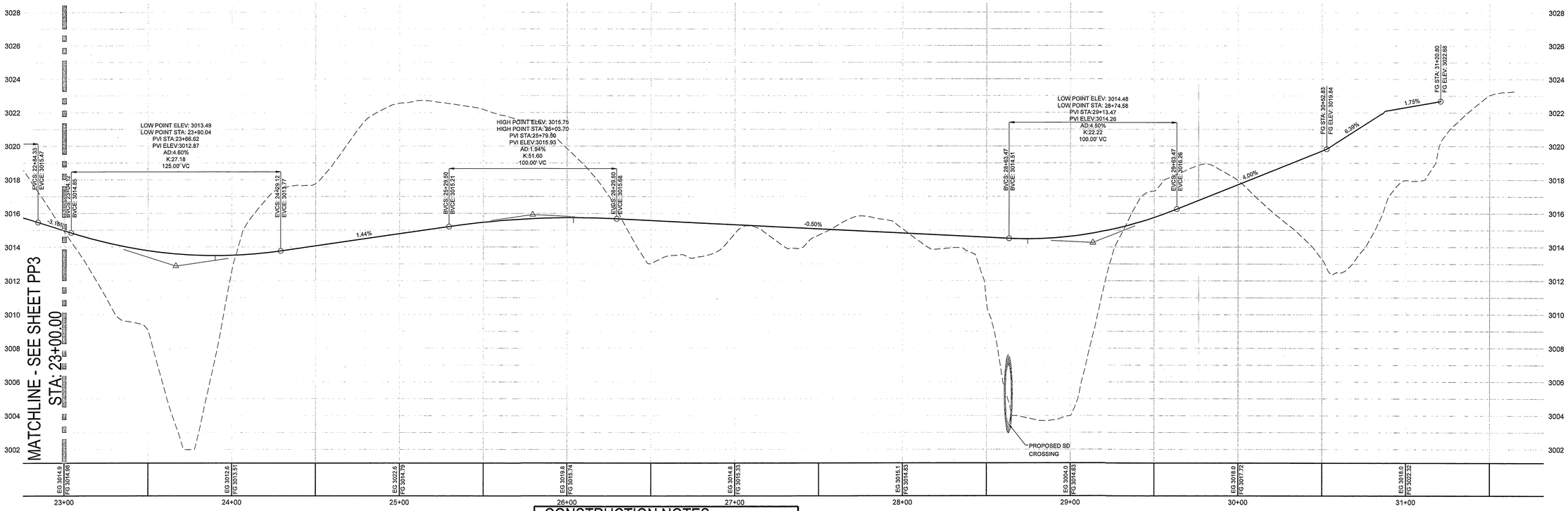
BLACK GLACIER RIDGE CT.
PLAN & PROFILE
STA: 10+00.00 - 16+50.00

NEVADA REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15725
ENGINEER'S SEAL
9/13

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP2
SHEET: 20 OF 47
CLV



BLACK GLACIER RIDGE CT. - PLAN
STA: 23+00.00 TO 30+00.00



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24. WROUGHT IRON FENCE WITH ACCESS GATE

BLACK GLACIER RIDGE CT. - PROFILE
STA: 23+00.00 TO 30+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

GEOTECHNICAL

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

FILE NAME: P&P_1--6.DWG

NO.	DESCRIPTION	SH'TS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10055 PARK RUN DRIVE SUITE #220
LAS VEGAS, NV 89144
(702) 853-5220 FAX: NA

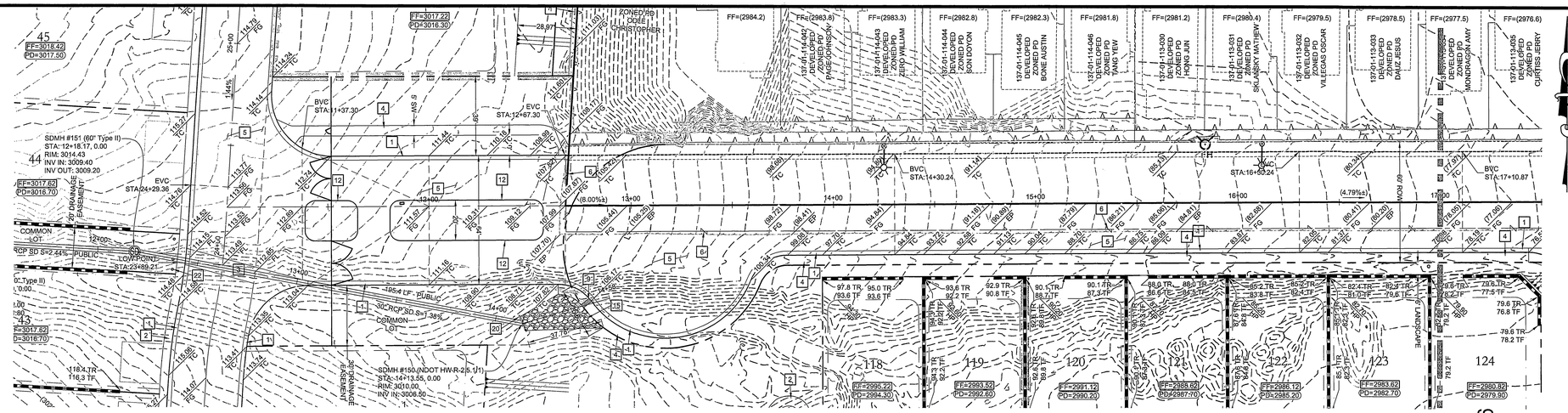
TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

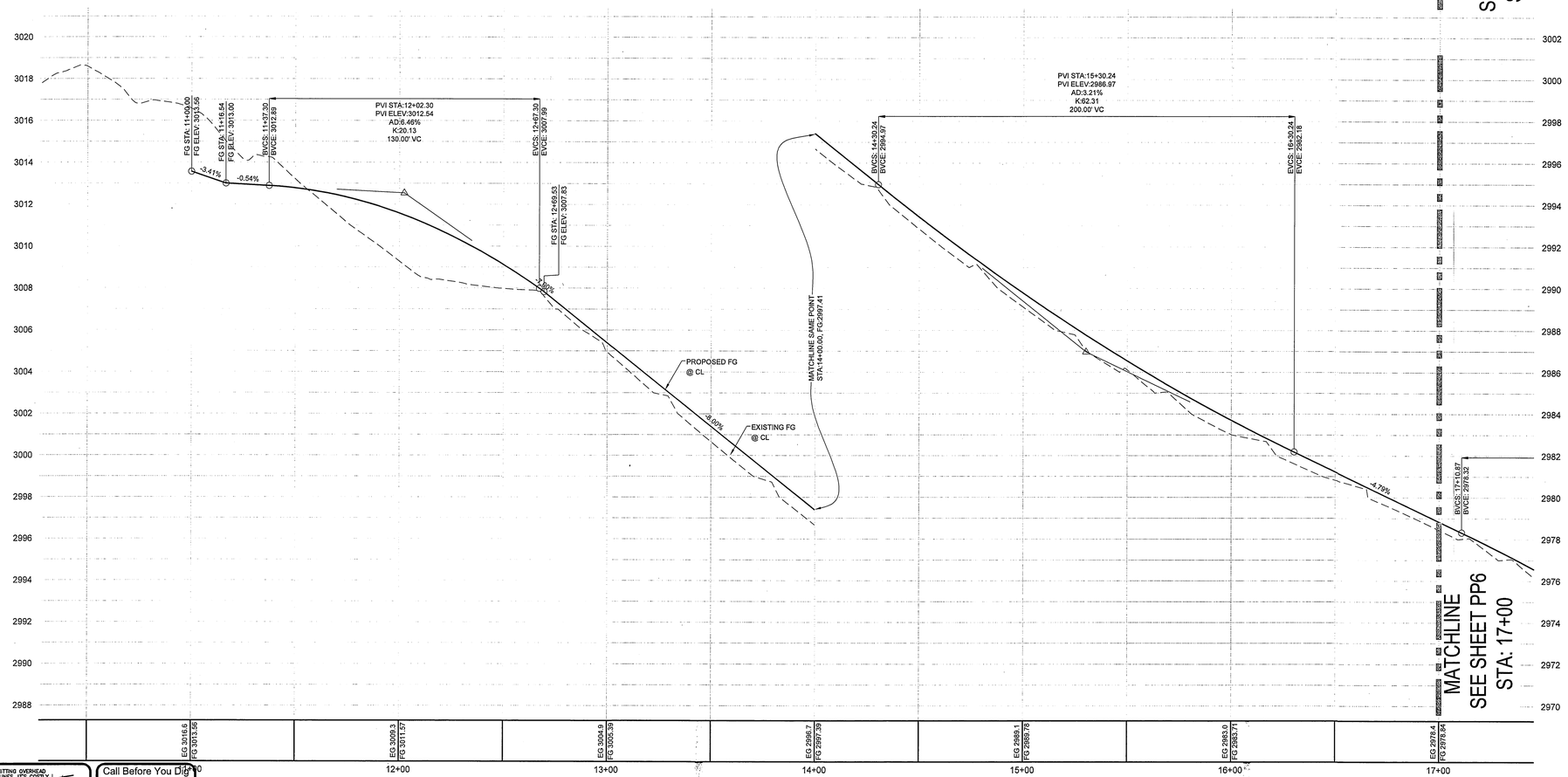
PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

BLACK GLACIER RIDGE
STA:23+00 TO 30+00
PLAN AND PROFILE

ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP4
SHEET: 22 OF 47
CLV





PEACEFUL DAWN AVE - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
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CALL BEFORE YOU DIG: 1-800-227-2600
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CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" THICK COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

DRAINAGE EASEMENT NOTE

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SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LVL09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424
REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	APPR.	DATE
	REVISIONS		

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

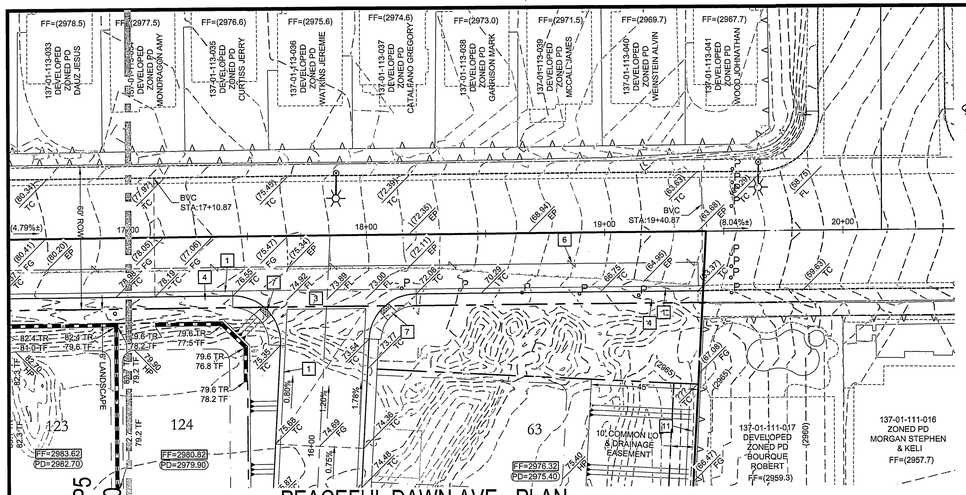
PEACEFUL DAWN STA:11+00 TO 17+00 PLAN AND PROFILE

REGISTERED PROFESSIONAL ENGINEER ROBERT P. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP5
SHEET: 23 OF 47

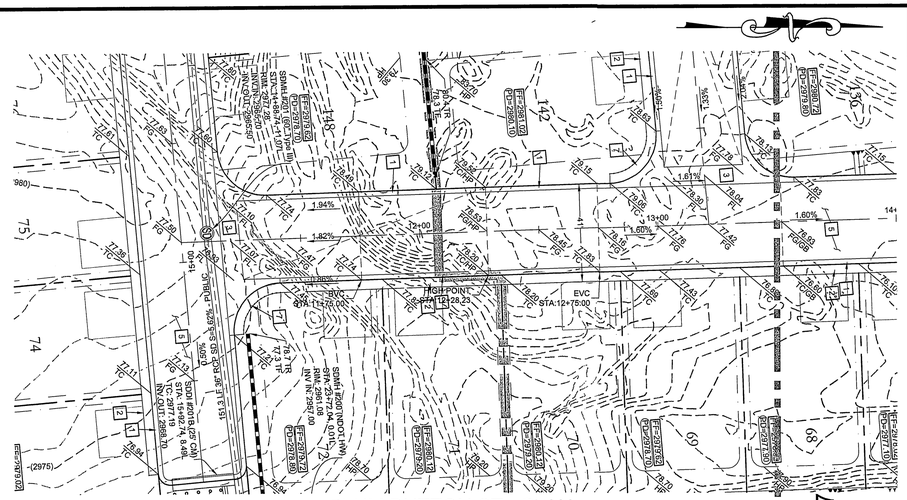
CLV

FILE NAME: P&P_1-6.DWG



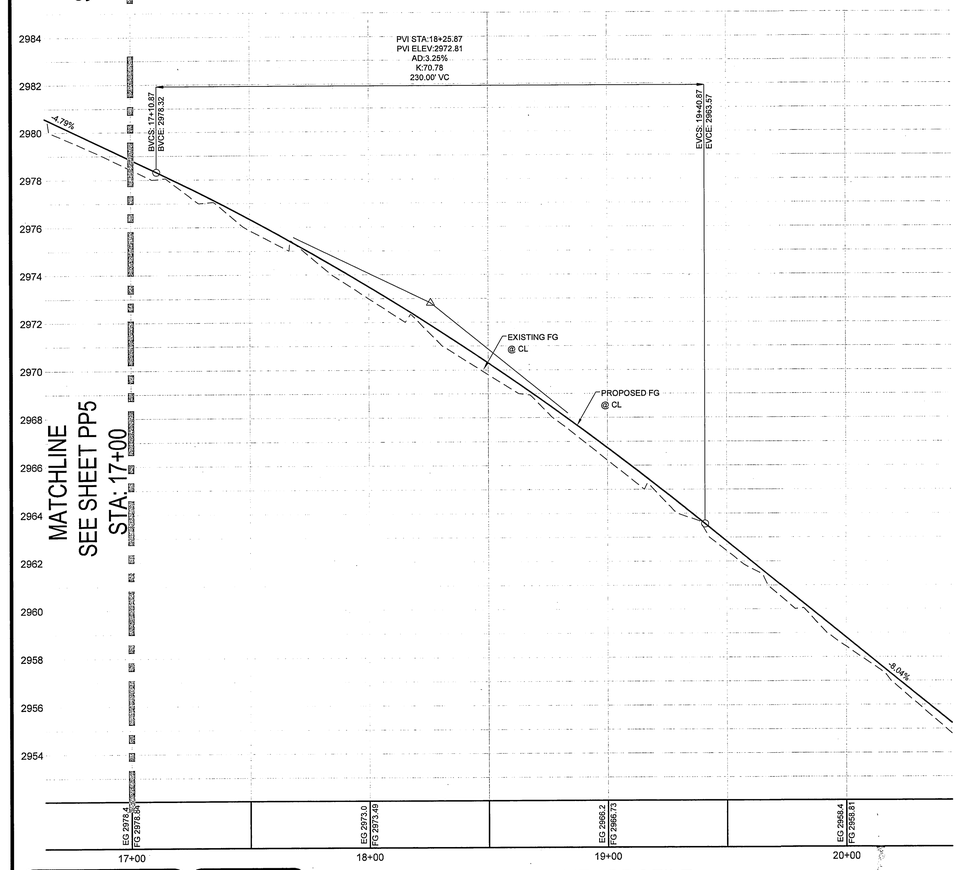
MATCHLINE
SEE SHEET PP5
STA: 17+00.00

PEACEFUL DAWN AVE - PLAN
STA: 17+00.00 TO 20+00.00



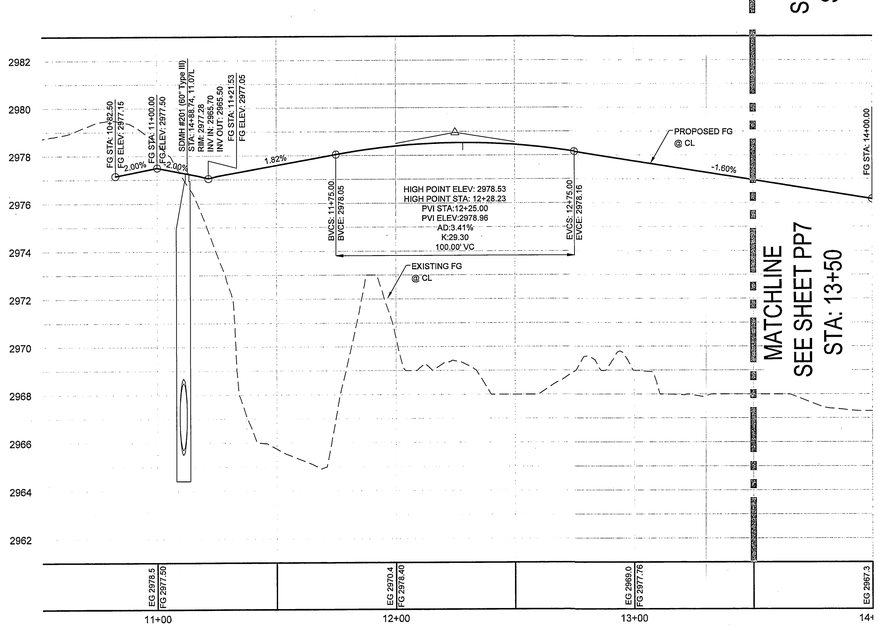
MATCHLINE
SEE SHEET PP7
STA: 13+50.00

PLUM BUTTON ST - PLAN
STA: 11+00.00 TO 13+50.00



MATCHLINE
SEE SHEET PP5
STA: 17+00

PEACEFUL DAWN AVE - PROFILE
STA: 17+00.00 TO 20+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.



PLUM BUTTON ST - PROFILE
STA: 11+00.00 TO 13+50.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
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4. 5.0' SIDEWALK (USD #234)
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SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

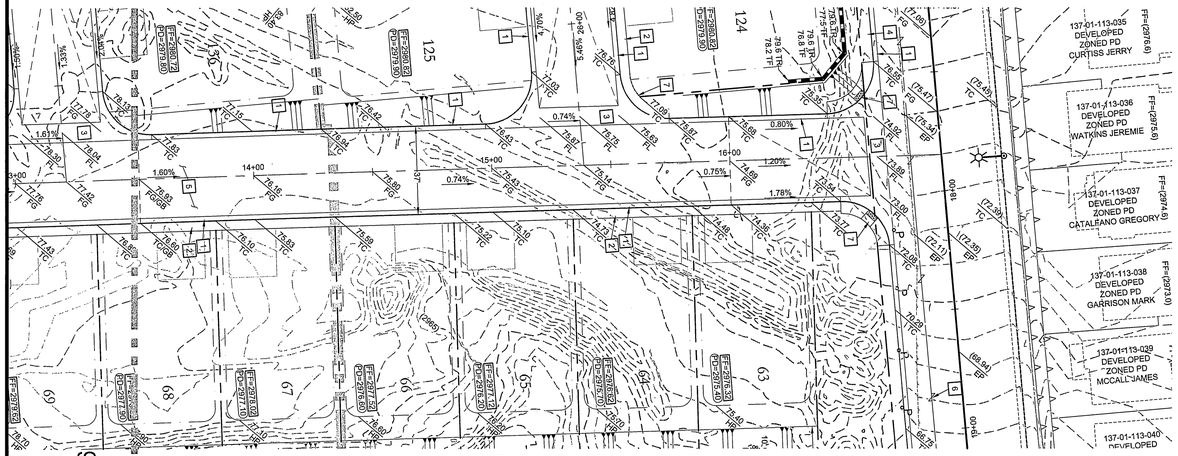
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

PEACEFUL DAWN - STA: 17+00 TO 20+00 & PLUM BUTTON - STA: 11+00 TO 13+50 PLAN AND PROFILE

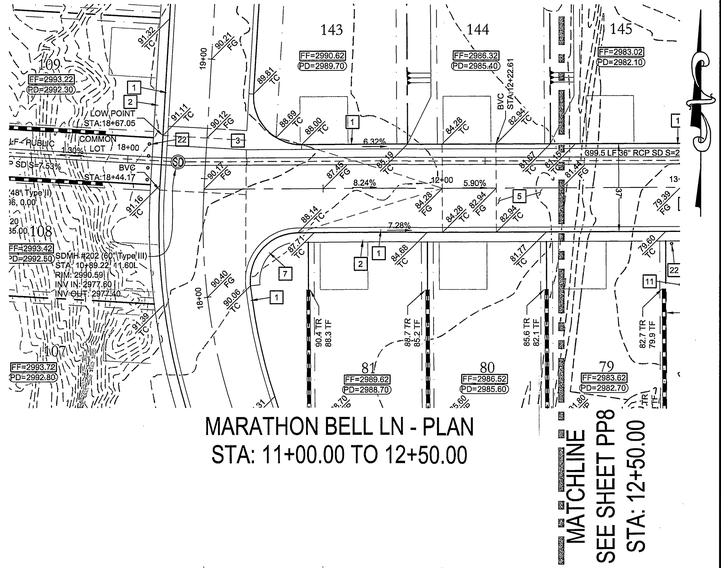
PROFESSIONAL ENGINEER STATE OF NEVADA ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15755
ENGINEER'S SEAL

DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP6
SHEET:	24 OF 47
	CLV

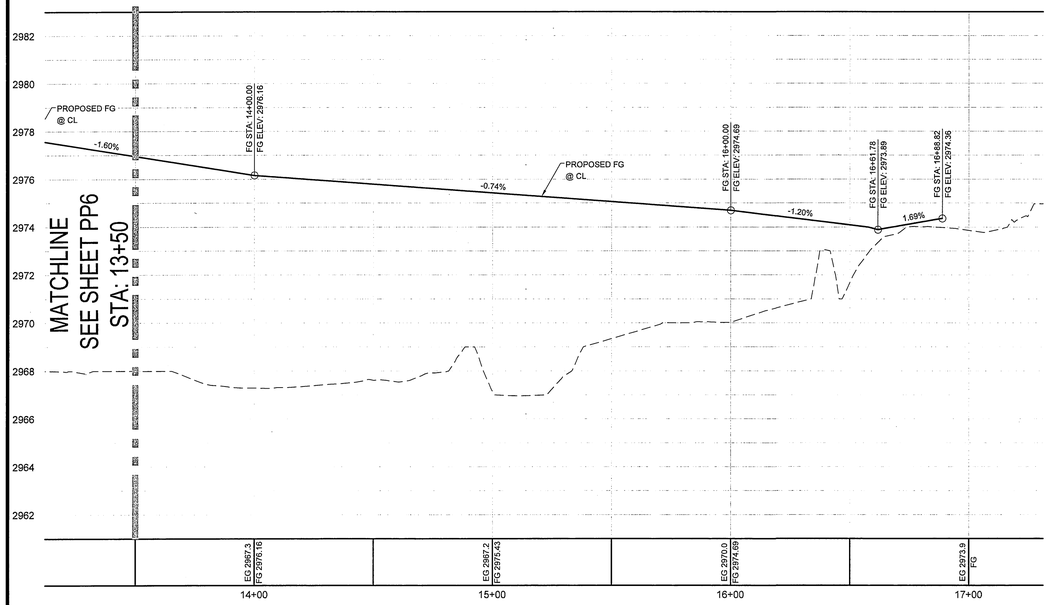
FILE NAME: P&P_1-6.DWG



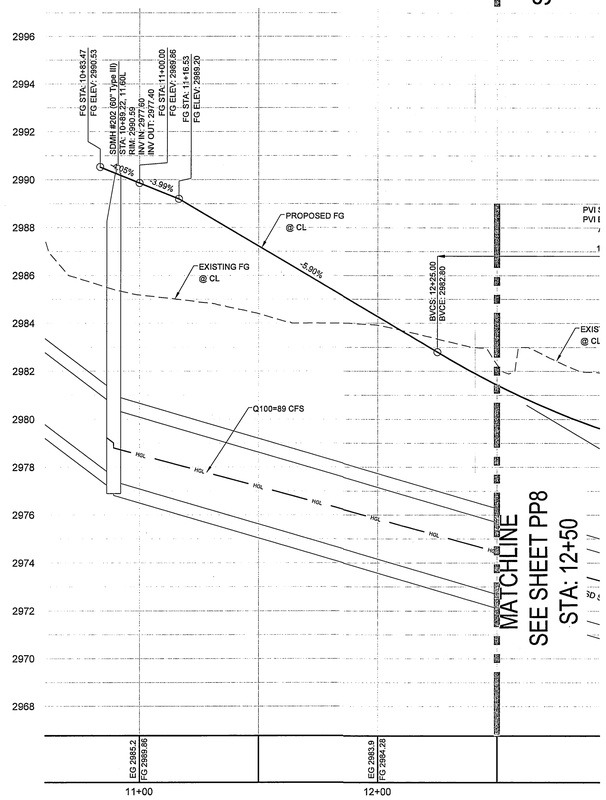
PLUM BUTTON ST - PLAN
STA: 13+50.00 TO 17+00.00



MARATHON BELL LN - PLAN
STA: 11+00.00 TO 12+50.00



PLUM BUTTON ST - PROFILE
STA: 13+50.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.



MARATHON BELL LN - PROFILE
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SCALE: 1"=30' HORIZ., 1"=3' VERT.

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FILE NAME: P&P_1-6.DWG

CONSTRUCTION NOTES

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SCALE

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(IN FEET)
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APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV. 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE. 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

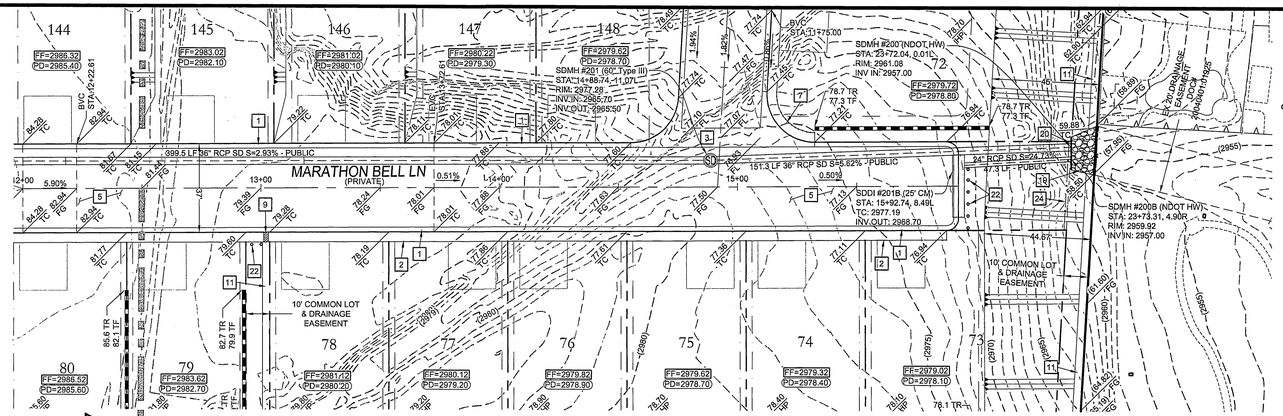
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

PLUM BUTTON - STA:13+50 TO 17+00 & MARATHON BELL - STA: 11+00 TO 12+50 PLAN AND PROFILE

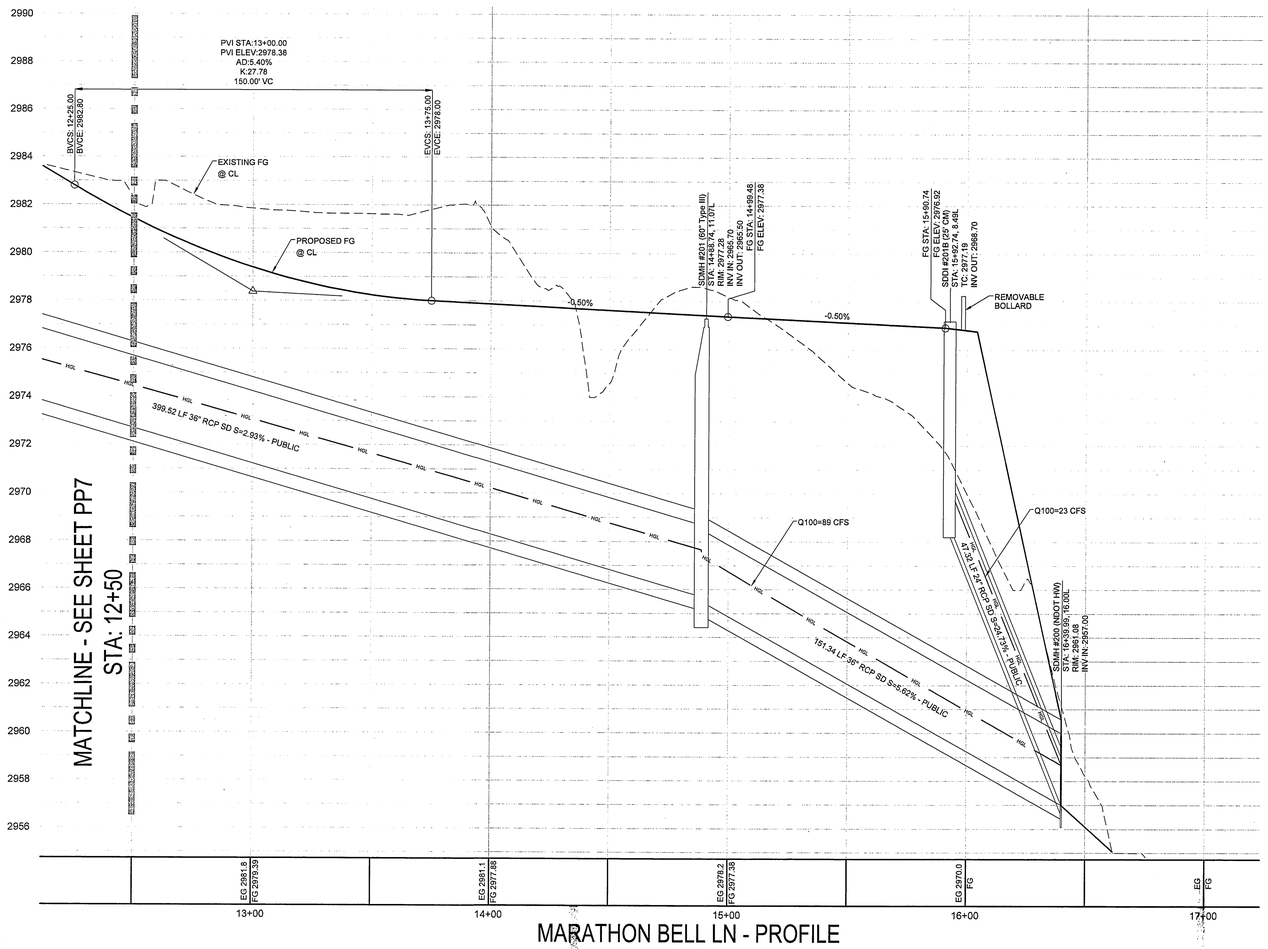
PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15725
9/13/13
ENGINEER'S SEAL

DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP7
SHEET:	25 OF 47

CLV



MARATHON BELL LN - PLAN
STA: 12+50.00 TO 17+00.00



MARATHON BELL LN - PROFILE
STA: 12+50.00 TO 17+00.00
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FILE NAME: P&P_8-13.DWG

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1. 24" L-TYPE CURB & GUTTER (USD #216)
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SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

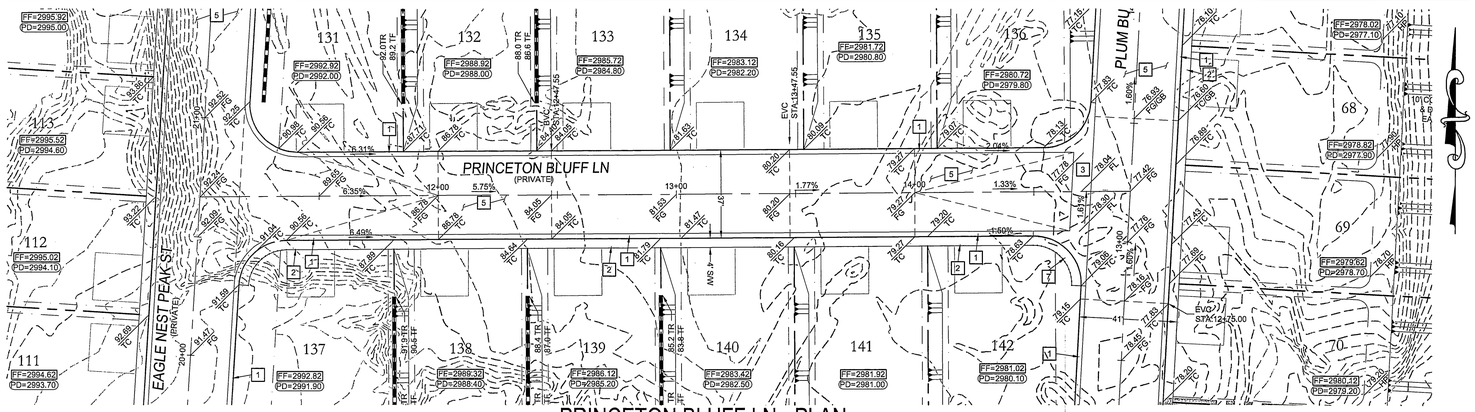
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

MARATHON BELL STA:12+50 TO 17+00 PLAN AND PROFILE

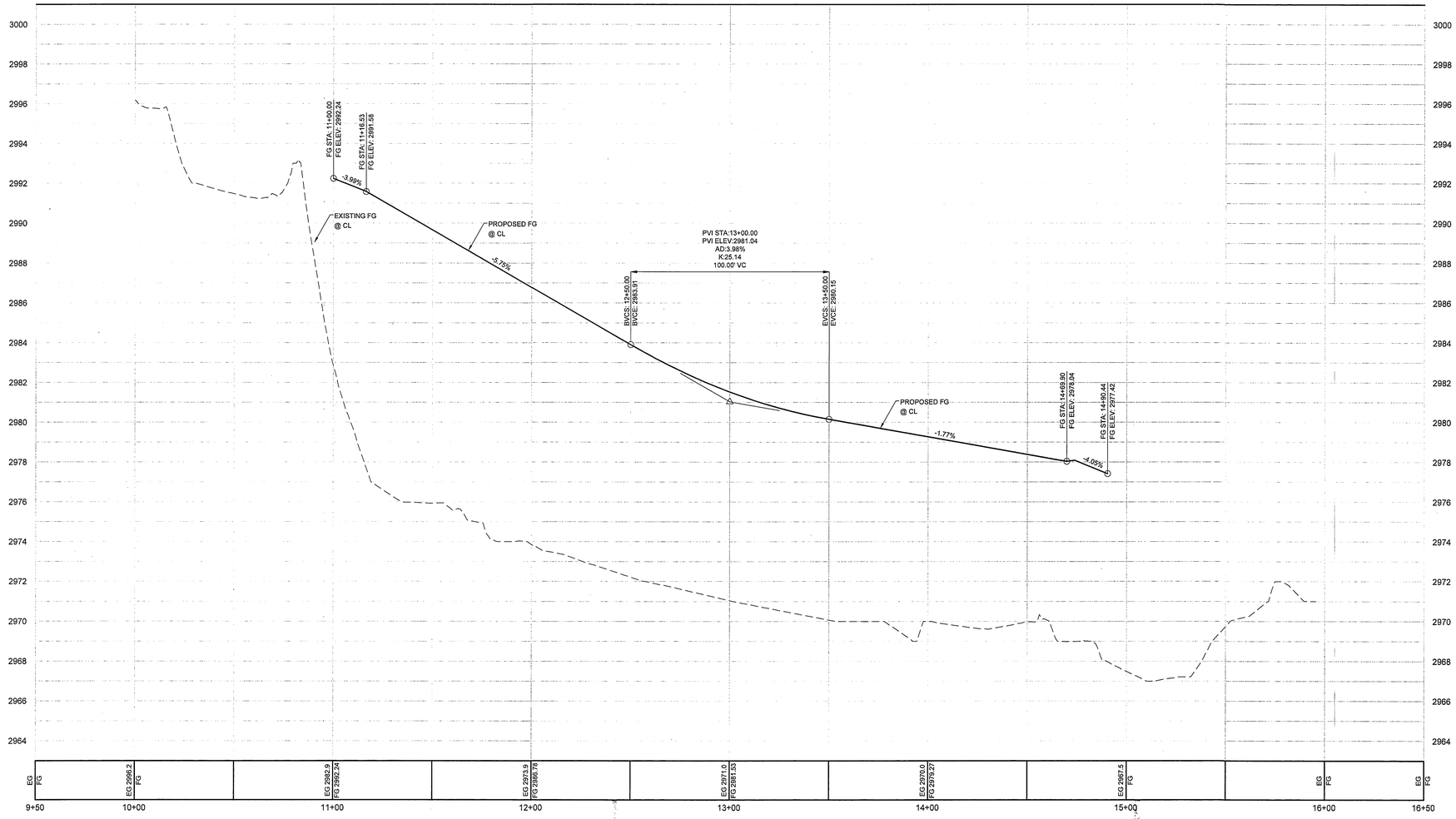
PROFESSIONAL ENGINEER REGISTERED NEVADA
ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726
9/12/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP8
SHEET: 26 OF 47

CLV



PRINCETON BLUFF LN - PLAN
STA: 11+00.00 TO 15+00.00



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6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SH'TS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

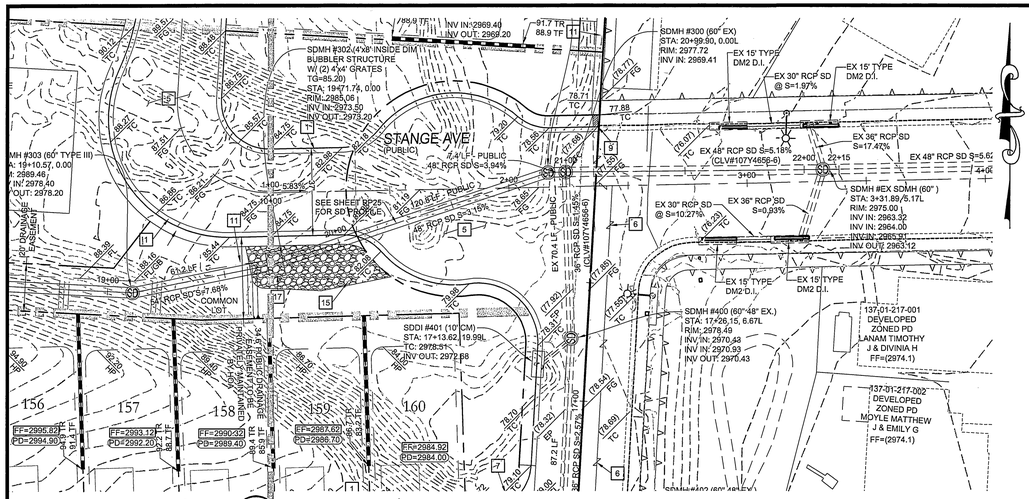
PRINCETON BLUFF
STA:11+00 TO 15+00
PLAN AND PROFILE

REGISTERED PROFESSIONAL ENGINEER ROBERT D CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA
ENGINEER'S SEAL

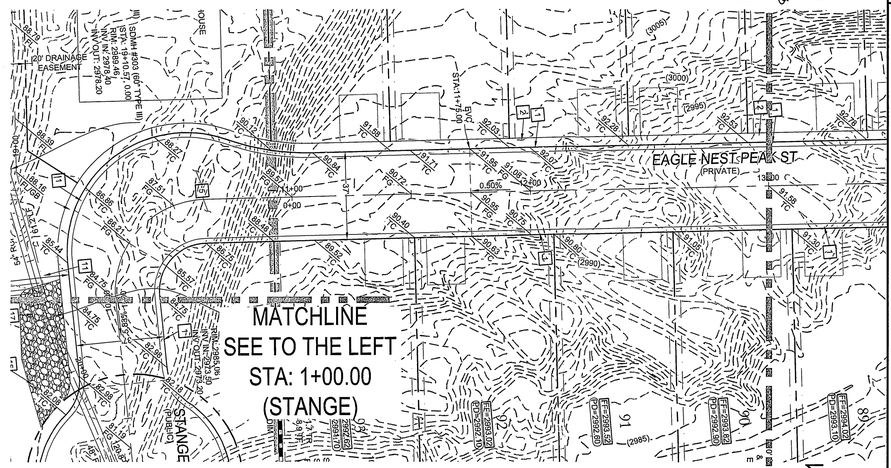
DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP9
SHEET: 27 OF 47

CLV

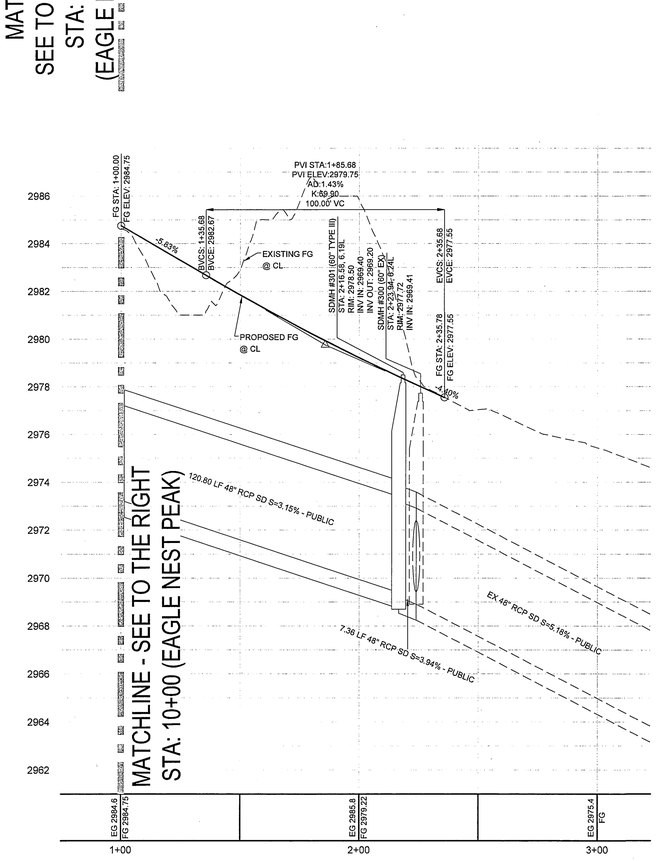
FILE NAME: P&P_8-13.DWG



STANGE AVE - PLAN
STA: 1+00.00 TO 3+00.00



EAGLE NEST PEAK ST - PLAN
STA: 10+00.00 TO 13+00.00



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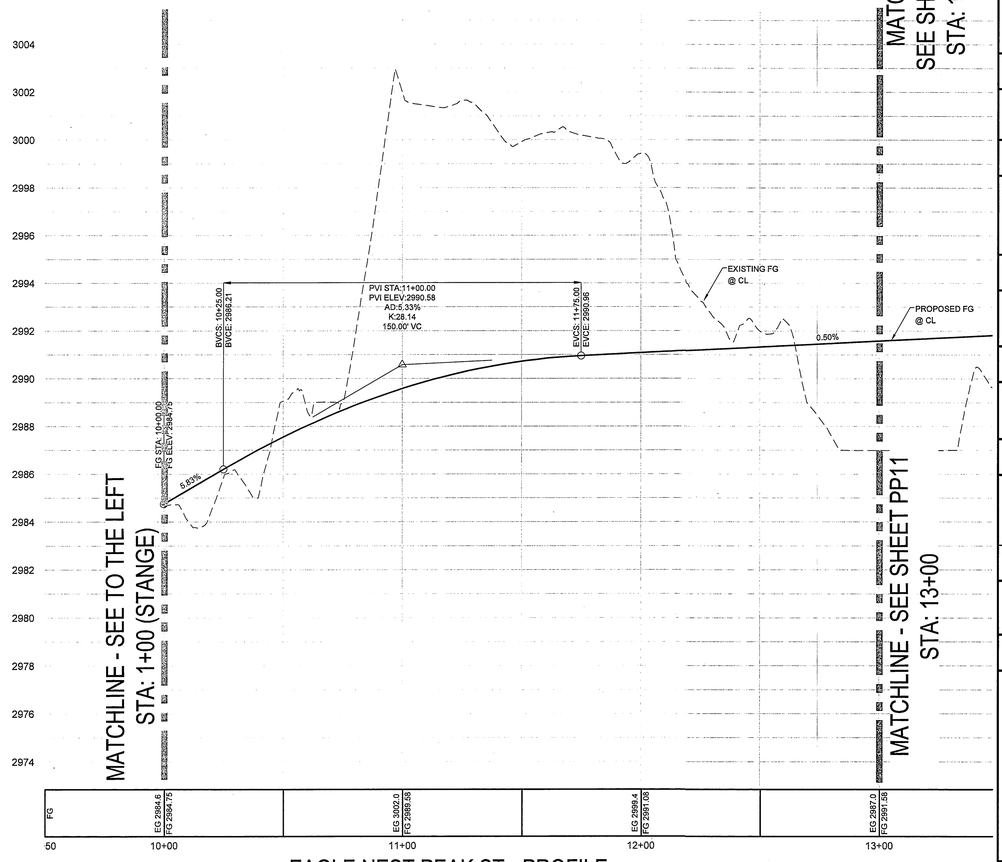

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6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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(702) 853-5220 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD., SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

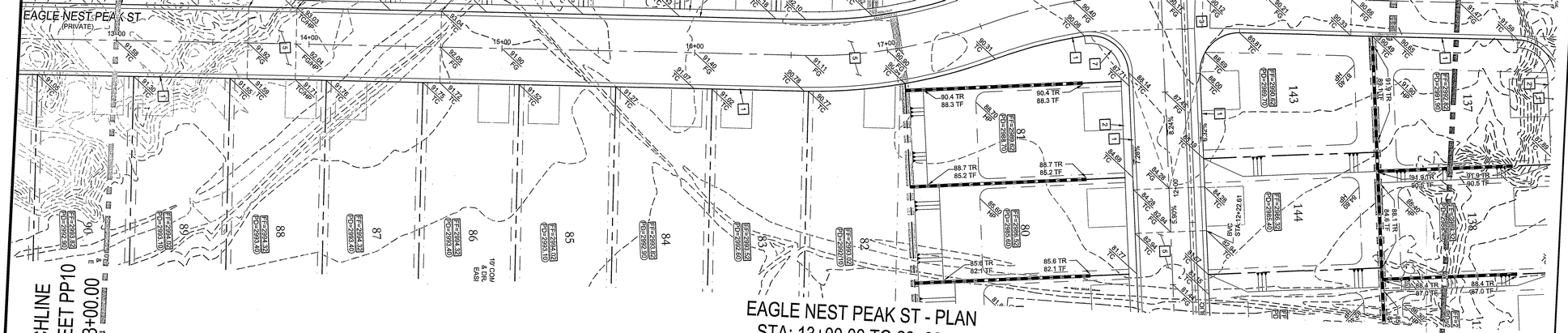
STANGE AVE - STA:1+00 TO 3+00
& EAGLE NEST PEAK - STA:10+00 TO 13+00
PLAN AND PROFILE

NEVADA PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
ENGINEER'S SEAL
9/13/13

DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP10
SHEET:	28 OF 47

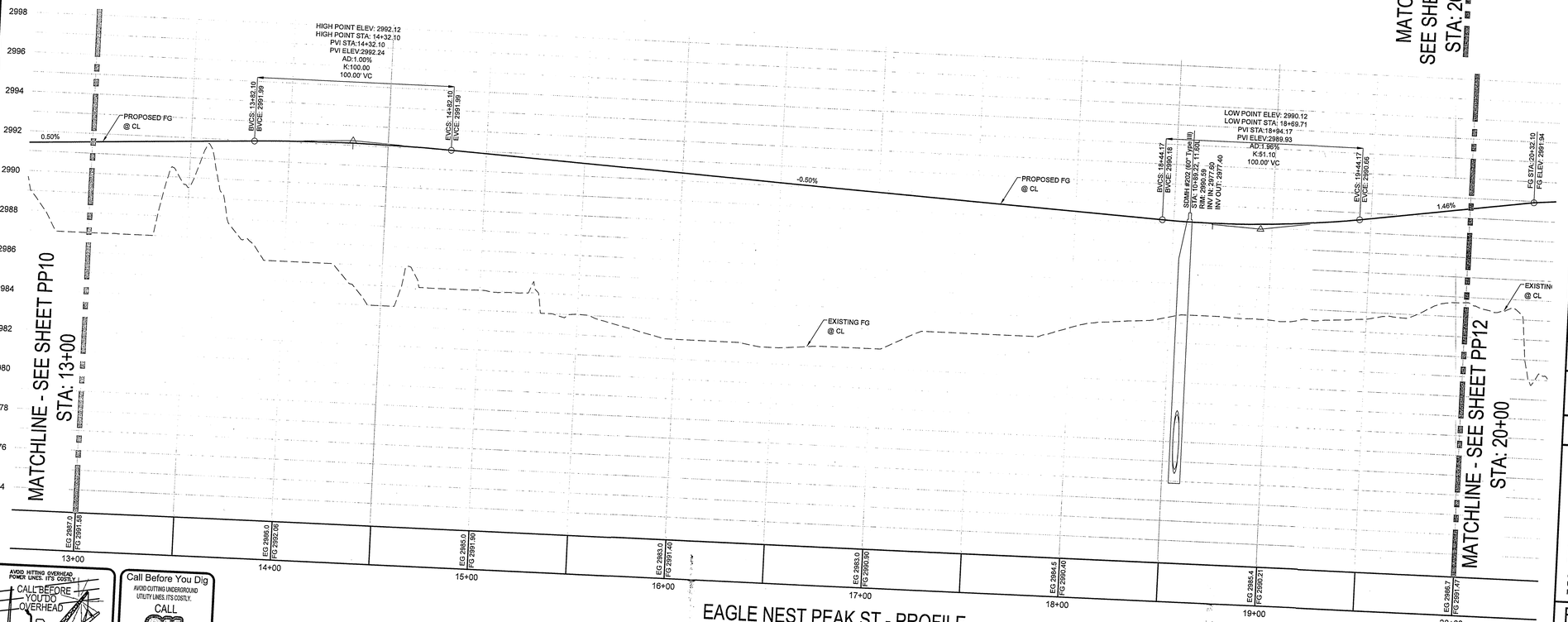
CLV

FILE NAME: P&P_8-13.DWG



MATCHLINE
SEE SHEET PP10
STA: 13+00.00

MATCHLINE
SEE SHEET PP12
STA: 20+00.00



MATCHLINE - SEE SHEET PP10
STA: 13+00

MATCHLINE - SEE SHEET PP12
STA: 20+00

EAGLE NEST PEAK ST - PROFILE
STA: 13+00.00 TO 20+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER (PROJ#) DATE

CLV

1 A-TYPE CURB (USD #219)
2 INSTALL WROUGHT IRON FENCE AND ACCESS GATE
3 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
4 RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
5 2.0' CURB OPENING (SEE DETAIL RR/GD2)
6 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
7 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
8 GROUTED RIPRAP: D50=18", THICKNESS=36"
9 NDOT HEADWALL (SEE DETAIL YY/GD4)
10 4" THICK COMPACTED TYPE II AGGREGATE
11 INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
12 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
13 WROUGHT IRON FENCE WITH ACCESS GATE

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424
REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

NO.	DESCRIPTION	REVISIONS

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-8233

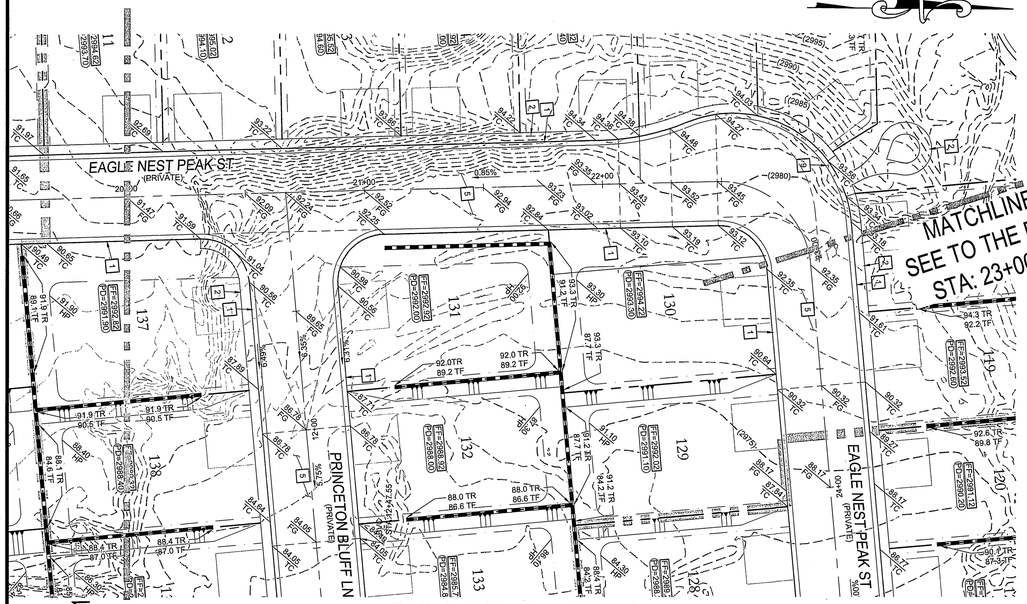
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

EAGLE NEST PEAK
STA:13+00 TO 20+00
PLAN AND PROFILE

PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

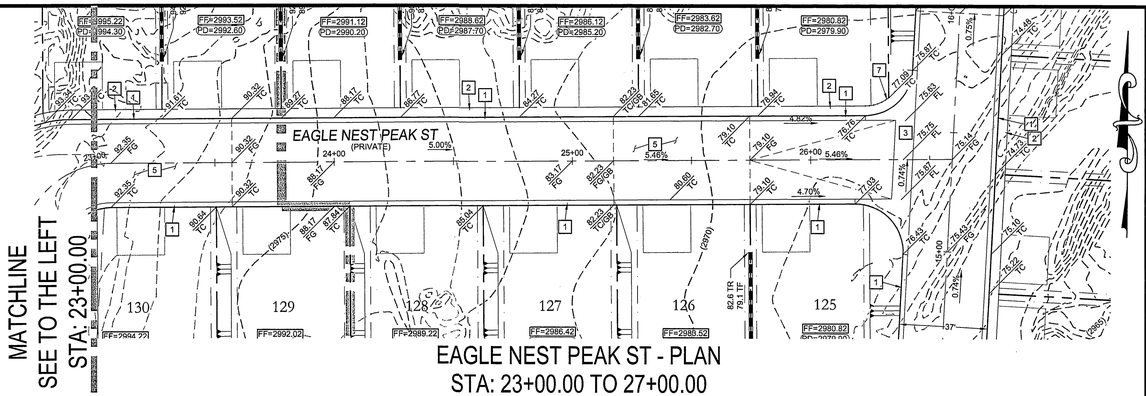
DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP11
SHEET: 29 OF 47

FILE NAME: P&P_8--13.DWG

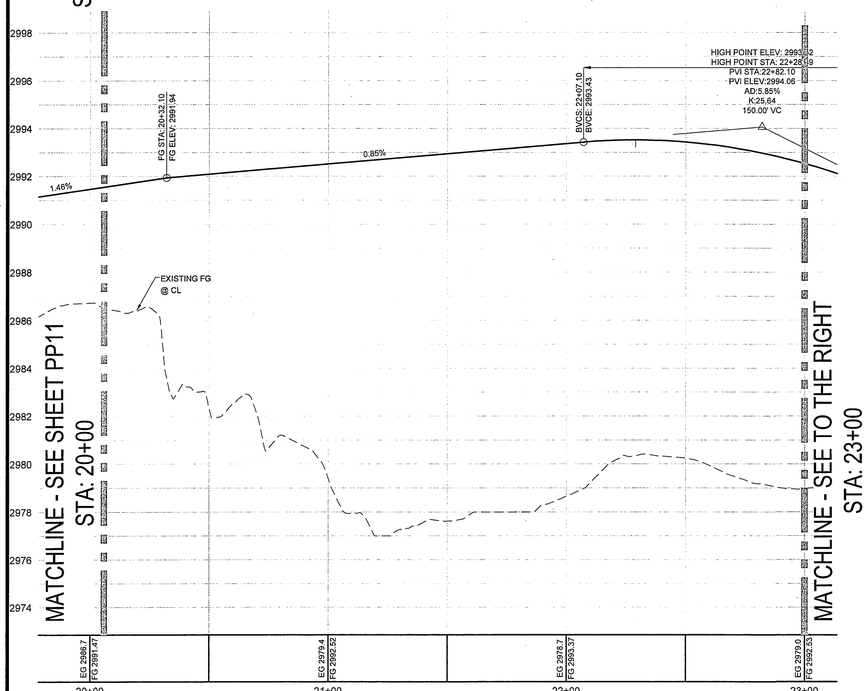


EAGLE NEST PEAK ST - PLAN
STA: 20+00.00 TO 23+00.00

MATCHLINE
SEE SHEET PP11
STA: 20+00.00



EAGLE NEST PEAK ST - PLAN
STA: 23+00.00 TO 27+00.00



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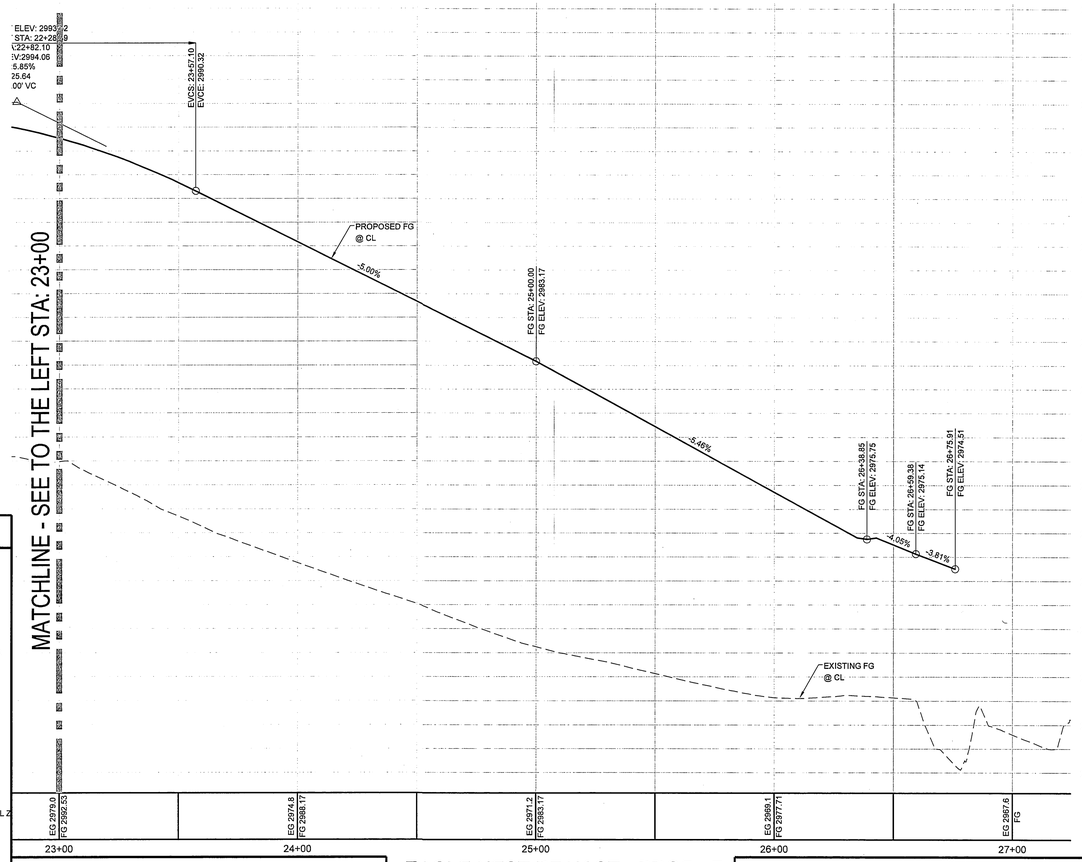

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

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CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

SCALE

30 0 15 30 60 120
(IN FEET)
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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

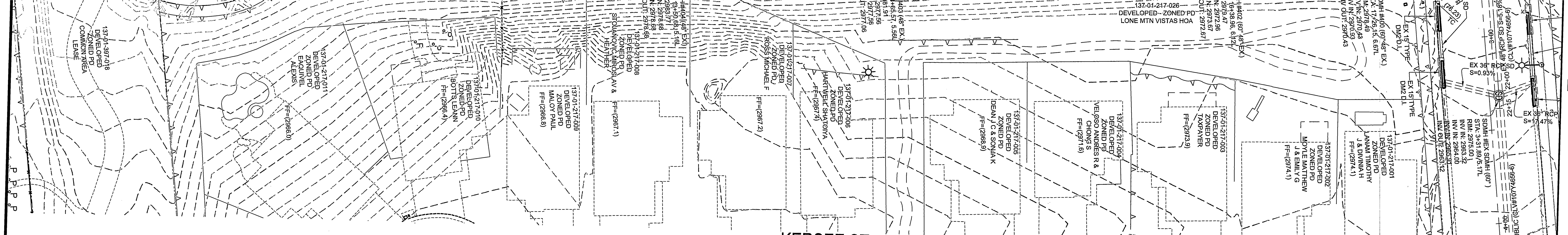
PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

EAGLE NEST PEAK
STA:20+00 TO 23+00 & STA:23+00 TO 27+00
PLAN AND PROFILE

ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
PROFESSIONAL ENGINEER
9/13/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP12
SHEET: 30 OF 47
CLV

FILE NAME: P&P_8-13.DWG



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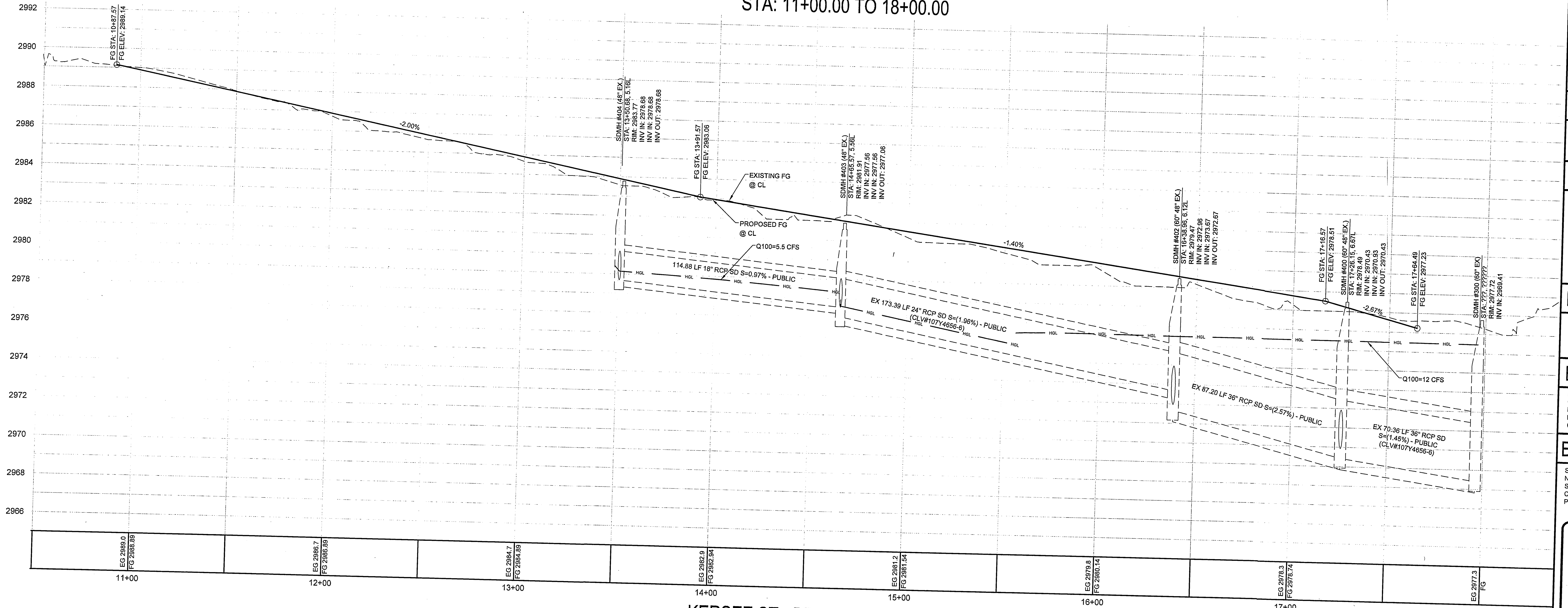
21 - 4" THICK COMPACTED TYPE II AGGREGATE
22 - INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3
23 - 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24 - WROUGHT IRON FENCE WITH ACCESS GATE

NO.	DESCRIP

KERSEE ST - PLAN
STA: 11+00.00 TO 18+00.00



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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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LEGAL DESCRIPTION

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012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
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SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER (PROJ#) DATE

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

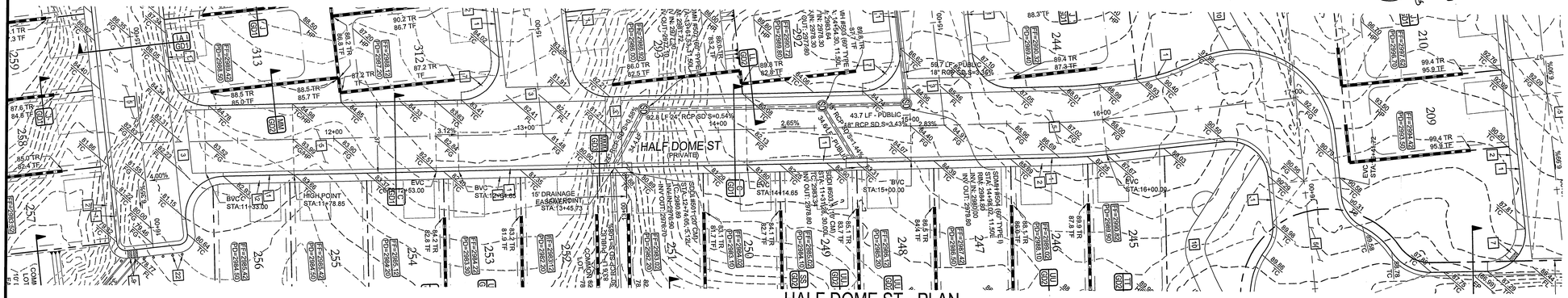
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

KERSEE ST
STA:11+00 TO 18+00
PLAN AND PROFILE

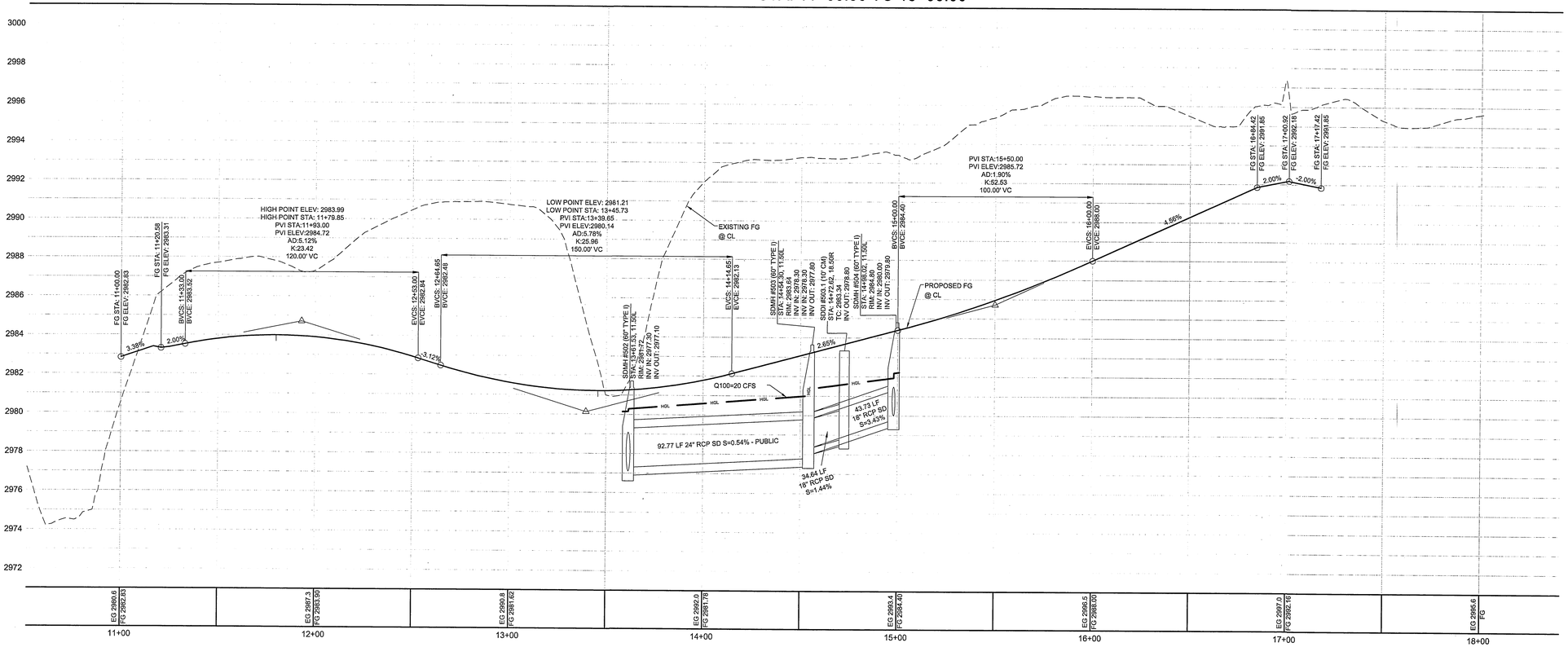
REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/13/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP13
SHEET: 31 OF 47
CLV

FILE NAME: P&P_8-13.DWG



HALF DOME ST - PLAN
STA: 11+00.00 TO 18+00.00



HALF DOME ST - PROFILE
STA: 11+00.00 TO 18+00.00
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CONSTRUCTION NOTES

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

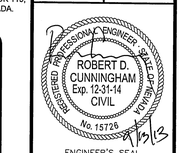
NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10555 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. CHOLLA, SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

HALF DOME ST STA:11+00 TO 18+00 PLAN AND PROFILE

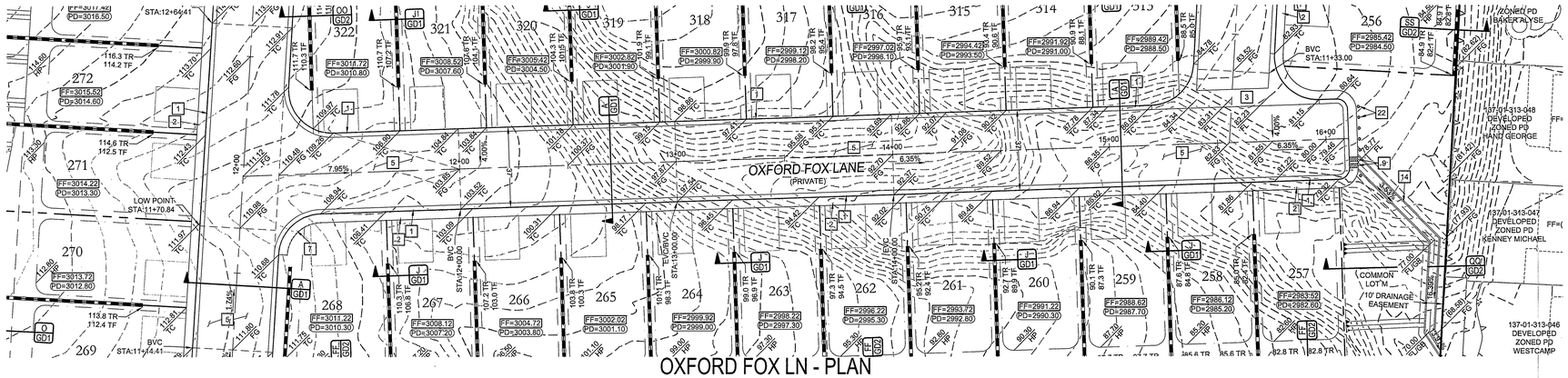


ENGINEER'S SEAL

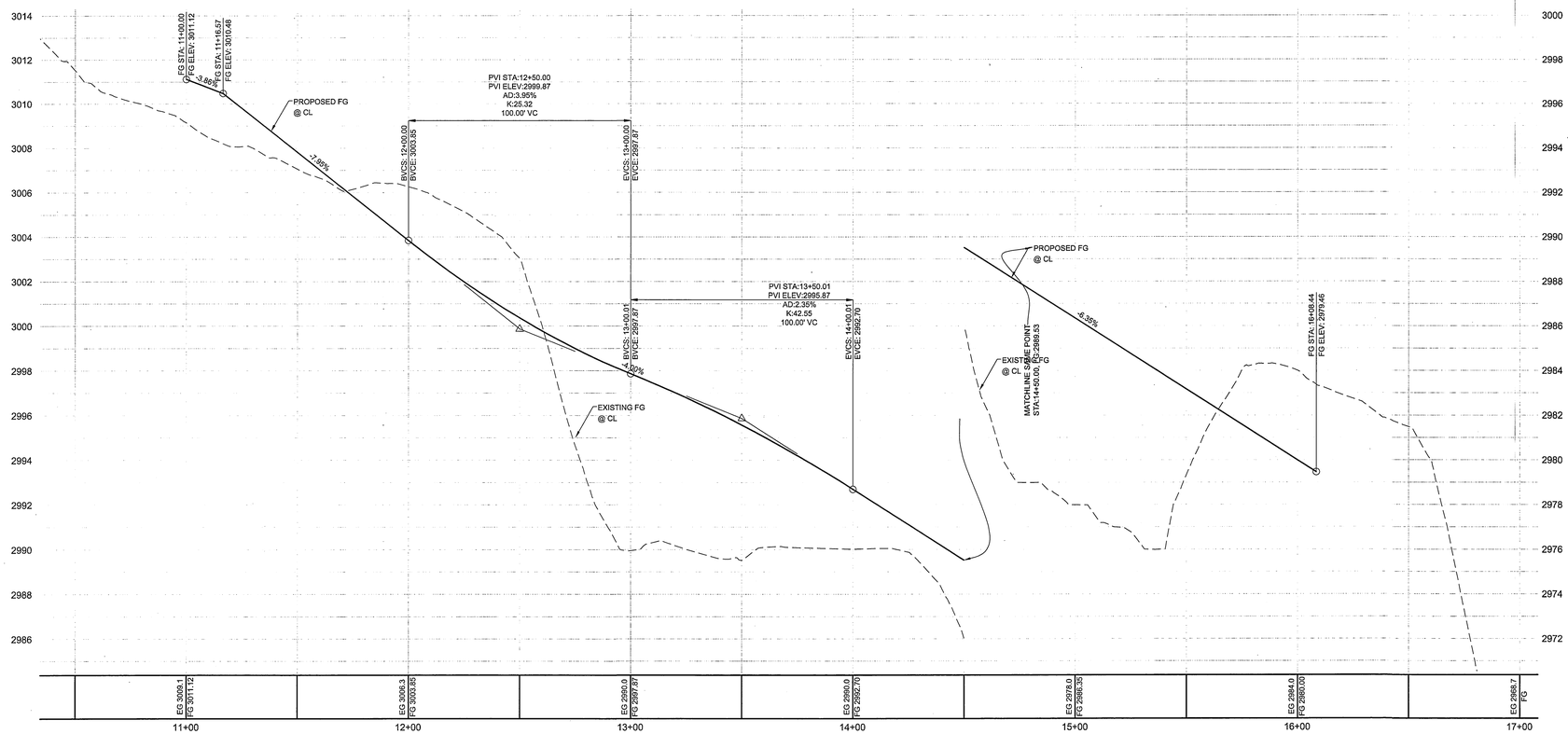
DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP14
SHEET:	32 OF 47

CLV

FILE NAME: P&P_14-19.DWG



OXFORD FOX LN - PLAN
STA: 11+00.00 TO 17+00.00



OXFORD FOX LN - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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SCALE

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(IN FEET)
1 inch = 30 ft.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

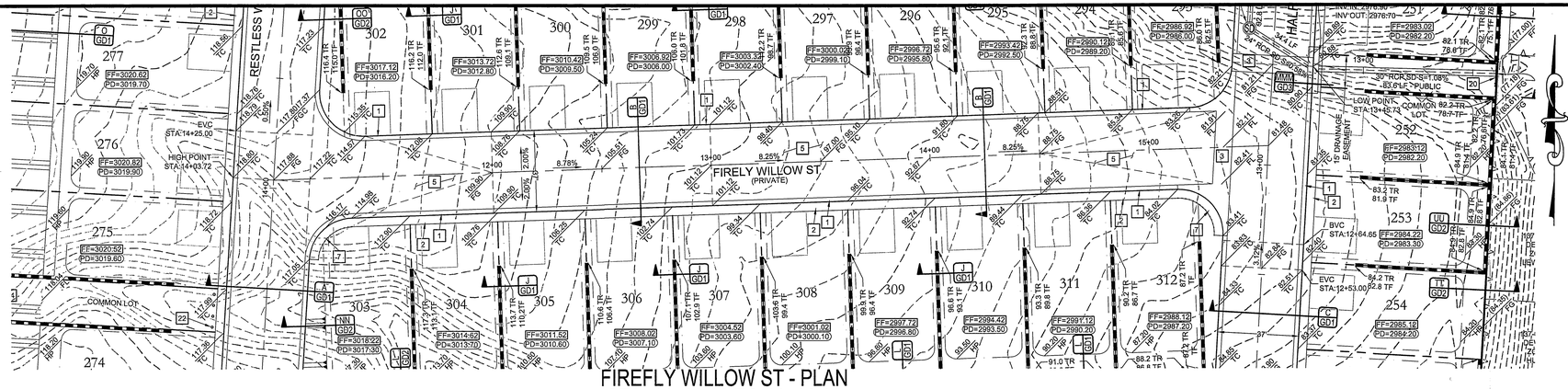
OXFORD FOX LN STA:11+00 TO 17+00 PLAN AND PROFILE

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D CUNNINGHAM Exp. 12-31-14 CIVIL
No. 15726
ENGINEER'S SEAL

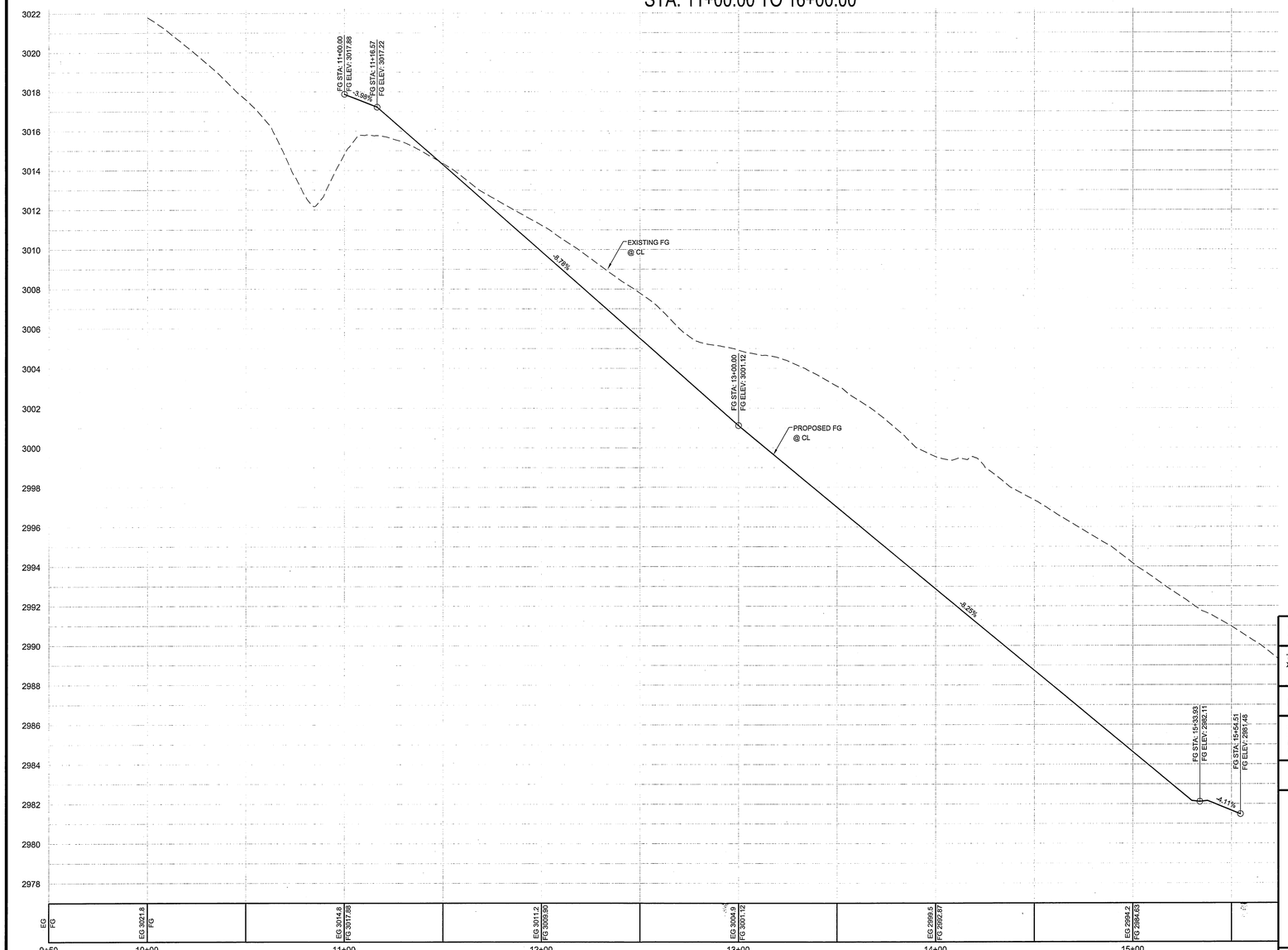
DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP15
SHEET: 33 OF 47

CLV

FILE NAME: P&P_14-19.DWG



FIREFLY WILLOW ST - PLAN
STA: 11+00.00 TO 16+00.00



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STA: 11+00.00 TO 16+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

STORM DRAIN DROP INLET NOTE

THE CONSTRUCTION OF ALL STORM DRAIN DROP INLETS SHALL BE PER DETAIL XX/GD3 AND USDCCA DRAWING NO. 421

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811 OR
1-800-227-2600

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

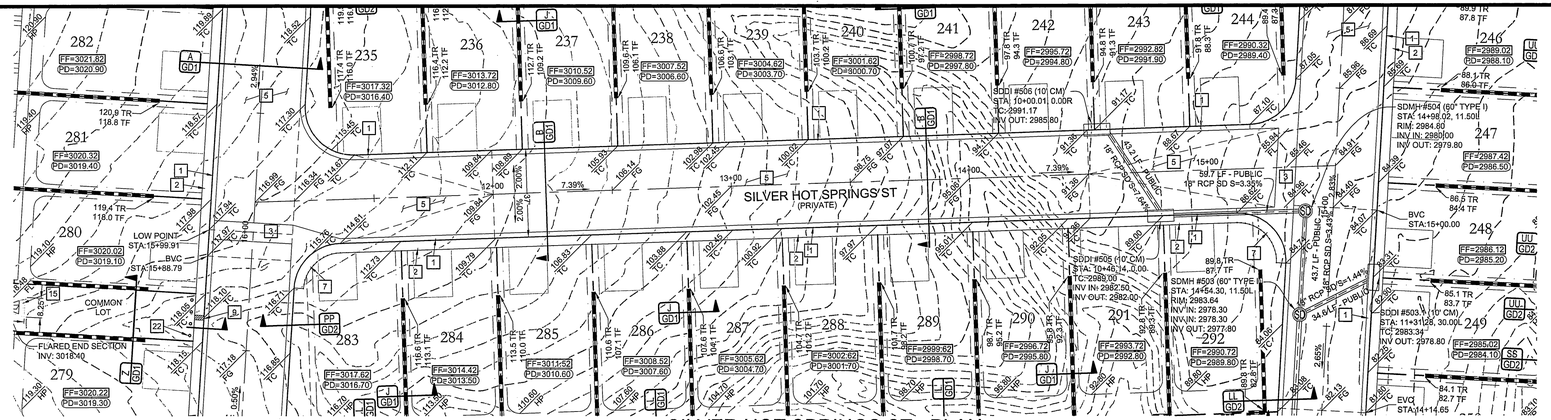
FIREFLY WILLOW ST
STA:11+00 TO 16+00
PLAN AND PROFILE

PROFESSIONAL ENGINEER STATE OF NEVADA REGISTERED
ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726
ENGINEER'S SEAL

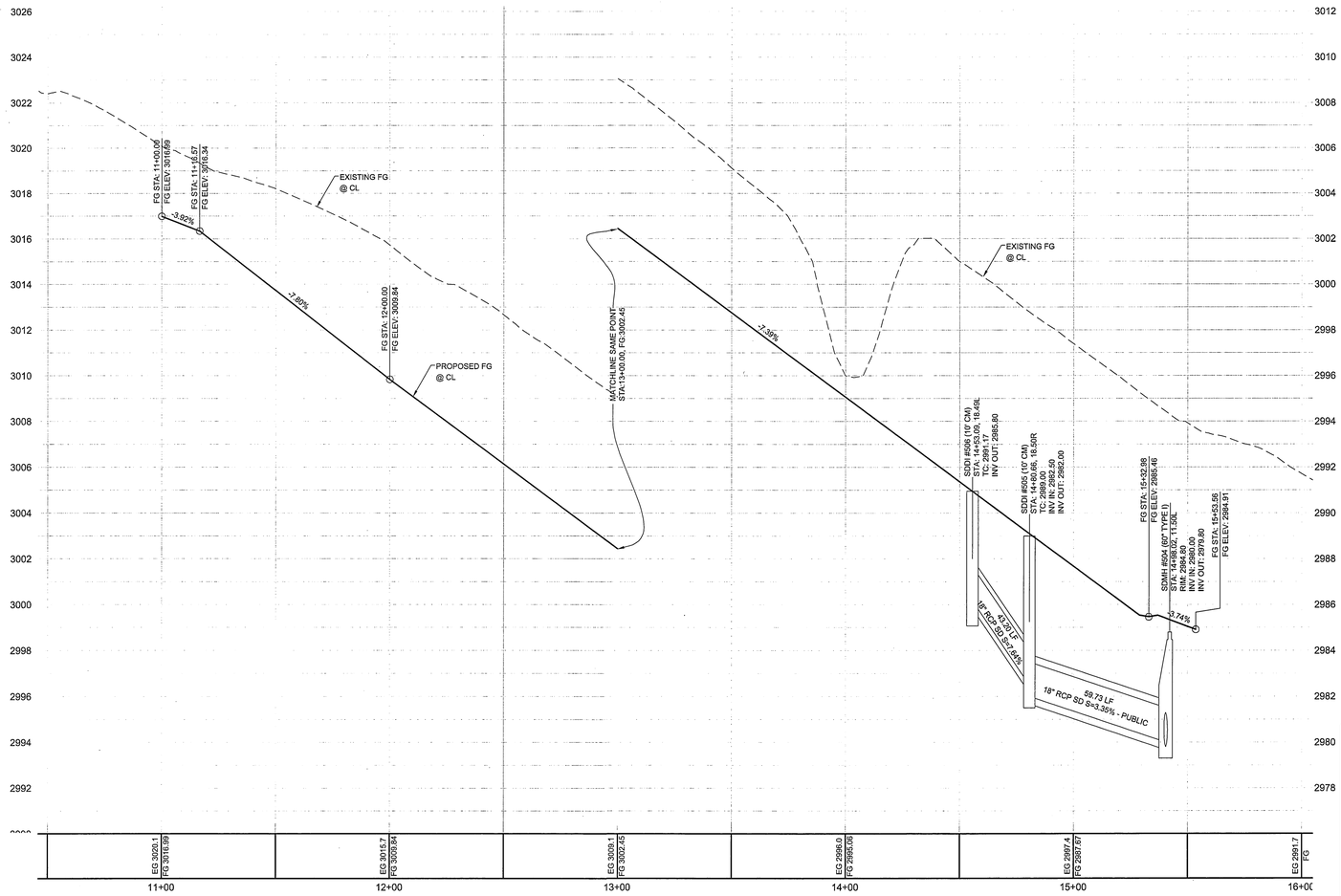
DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP16
SHEET: 34 OF 47

CLV

FILE NAME: P&P_14-19.DWG



SILVER HOT SPRINGS ST - PLAN
STA: 11+00.00 TO 16+00.00



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BENCHMARK

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CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
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LAS VEGAS, NV 89118
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LONE MOUNTAIN & PULI
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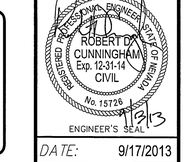
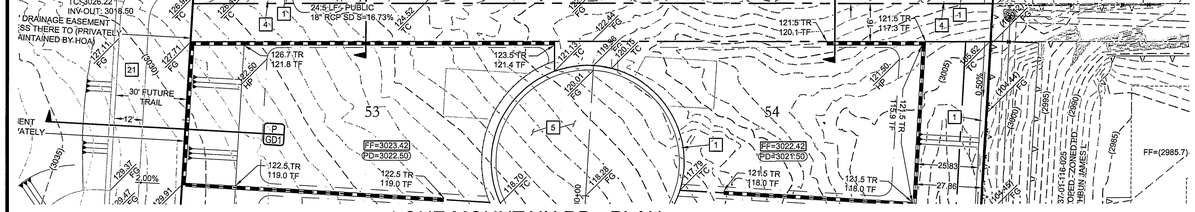
SILVER HOT SPRINGS ST
STA:11+00 TO 16+00
PLAN AND PROFILE



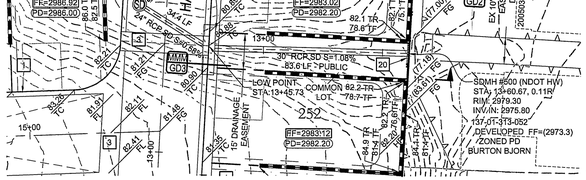
DATE:	9/17/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP17
SHEET:	35 OF 47

CLV

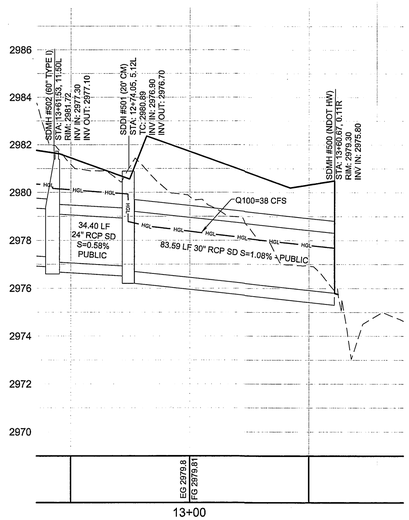
FILE NAME: P&P_14--19.DWG



LONE MOUNTAIN RD - PLAN



30" RCP SD - PLAN



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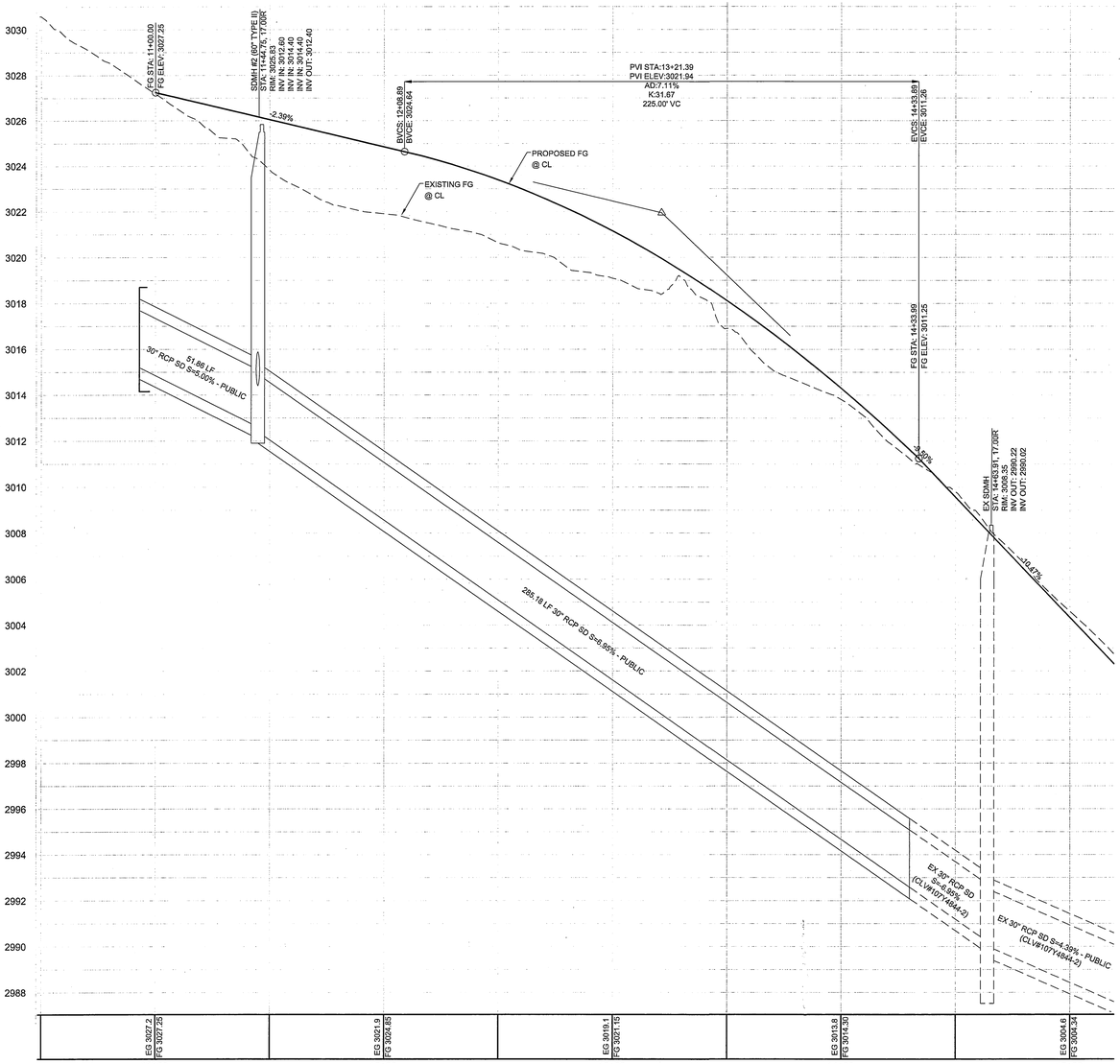

LONE MOUNTAIN RD - PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.

NO.	DESCRIPTION	REVISIONS

1. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
2. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
3. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
4. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
5. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
6. GROUTED RIPRAP: D50=18", THICKNESS=36"
7. NDOT HEADWALL (SEE DETAIL YY/GD4)
8. 4" THICK COMPACTED TYPE II AGGREGATE
9. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
10. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
11. WROUGHT IRON FENCE WITH ACCESS GATE

DRAINAGE EASEMENT NOTE

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SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

Call Before You Dig
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CALL 811 OR 1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
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1-702-227-2929

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

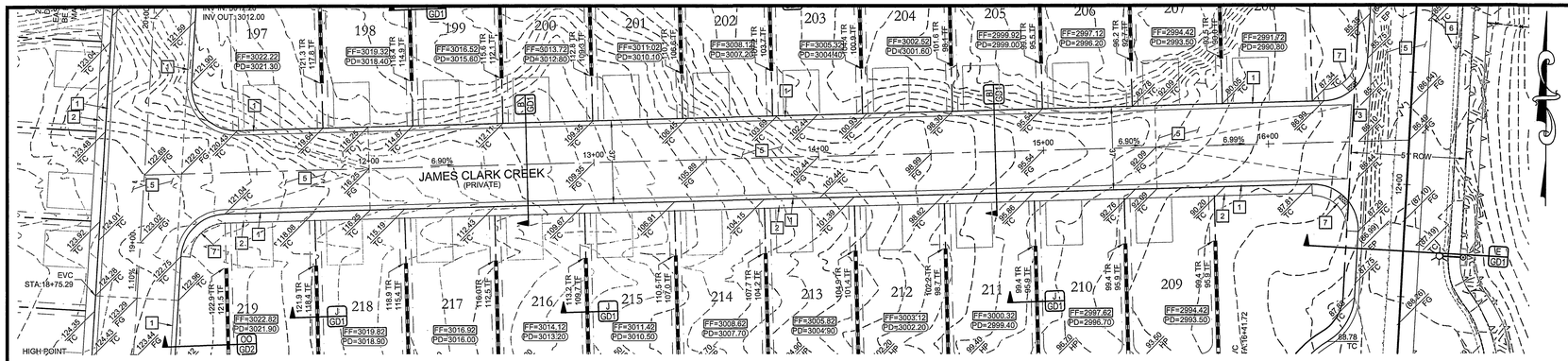
LAVENDER GLASS LN
STA:11+00 TO 17+00
PLAN AND PROFILE

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

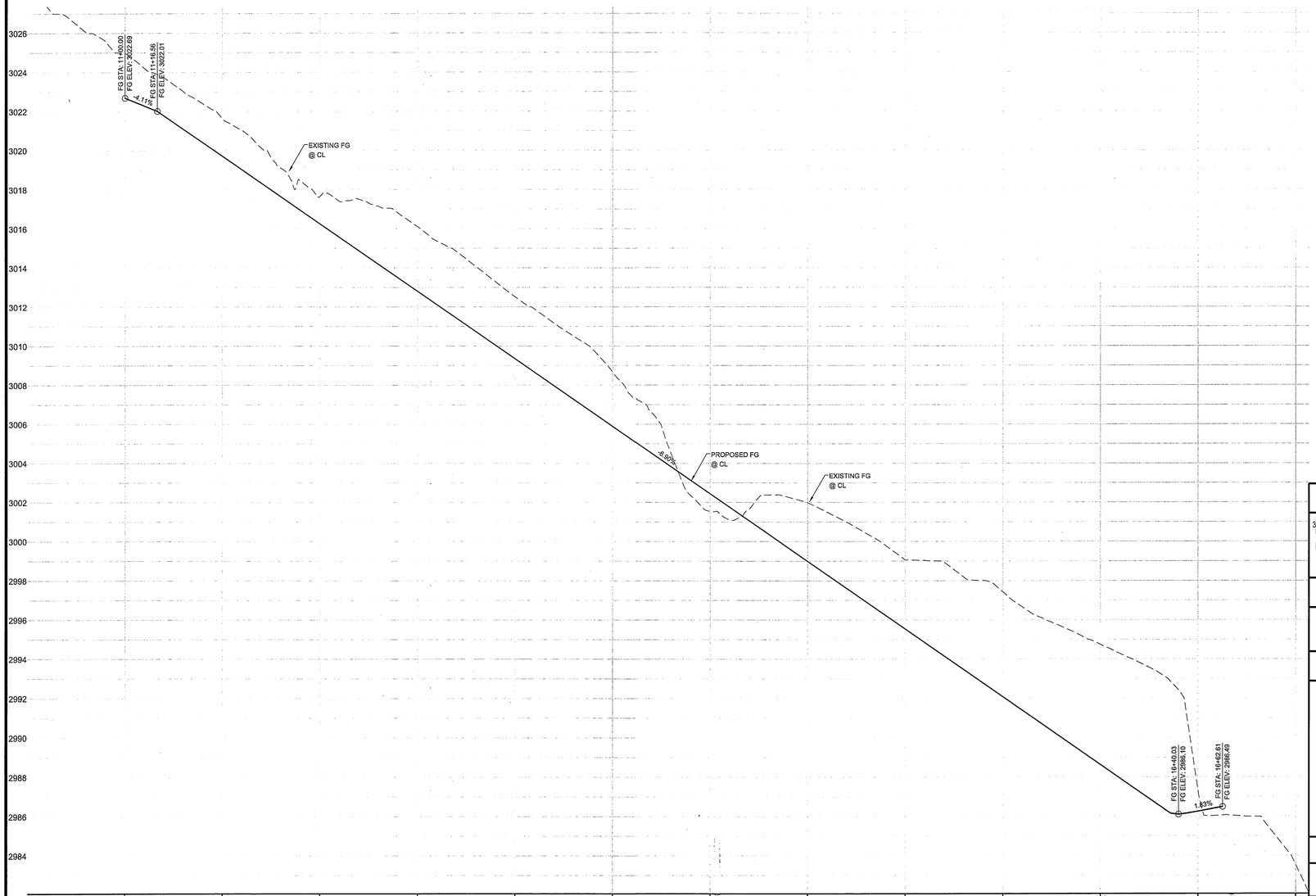
DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP18
SHEET:	36 OF 47

CLV

FILE NAME: P&P_14-19.DWG



JAMES CLARK CREEK - PLAN
STA: 11+00.00 TO 17+00.00



JAMES CLARK CREEK - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

CONSTRUCTION NOTES

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9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
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12. A-TYPE CURB (USD #219)
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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: NA

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

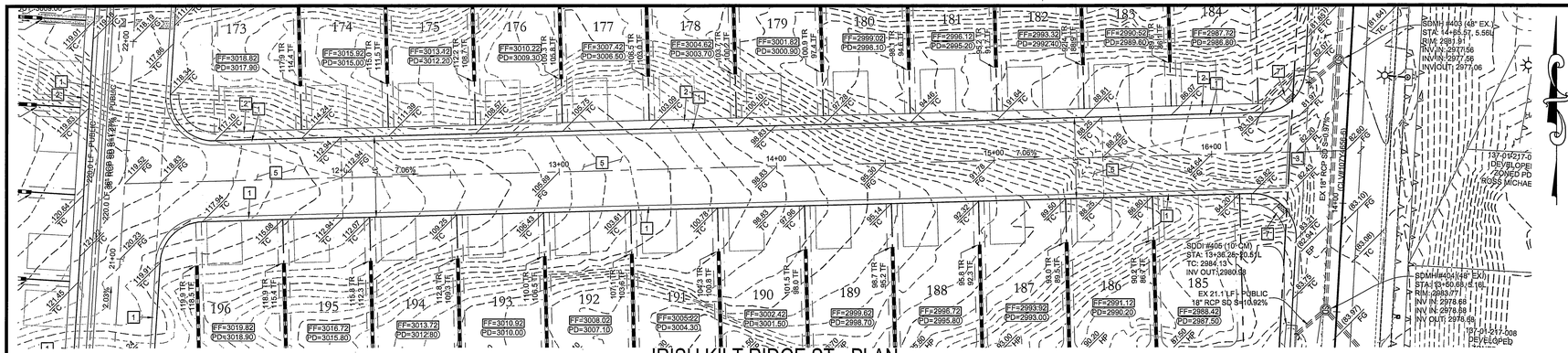
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

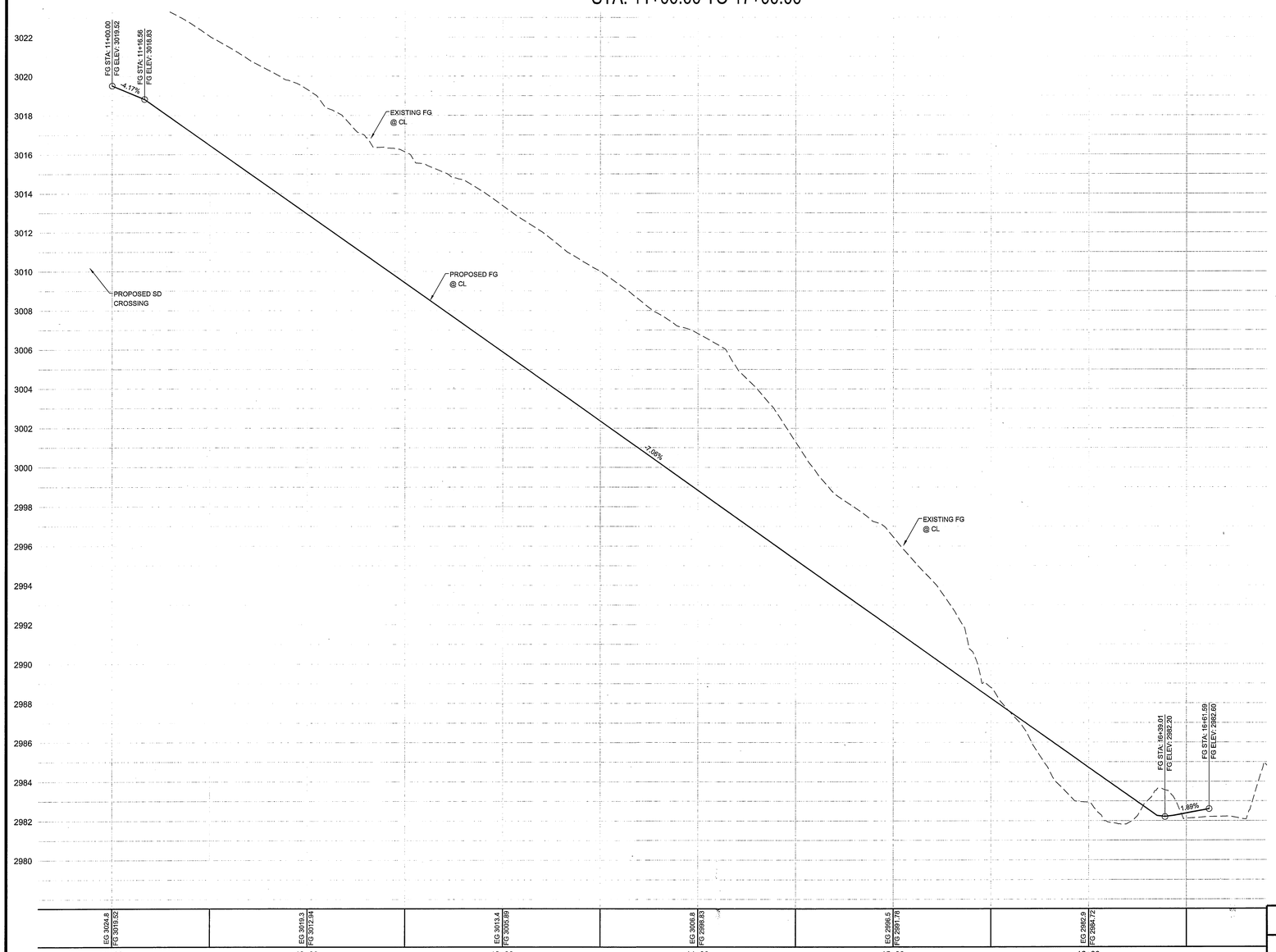
JAMES CLARK CREEK STA:11+00 TO 17+00 PLAN AND PROFILE

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP19
SHEET: 37 OF 47

CLV

FILE NAME: P&P_14~19.DWG





IRISH KILT RIDGE ST - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

FILE NAME: P&P_20-25.DWG

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
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4. 5.0' SIDEWALK (USD #234)
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SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE

REVISIONS

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #220
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

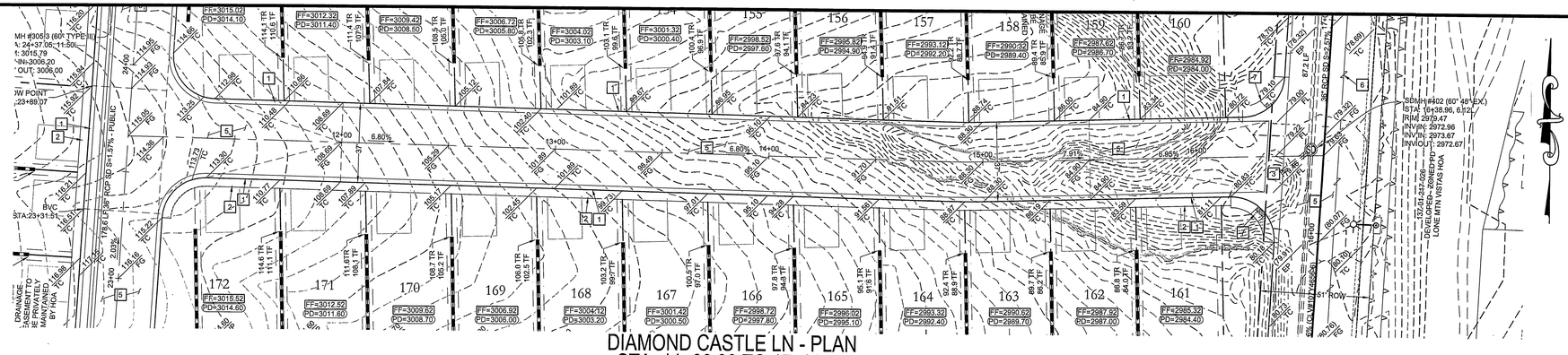
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

IRISH KILT ST
STA: 11+00 TO 17+00
PLAN AND PROFILE

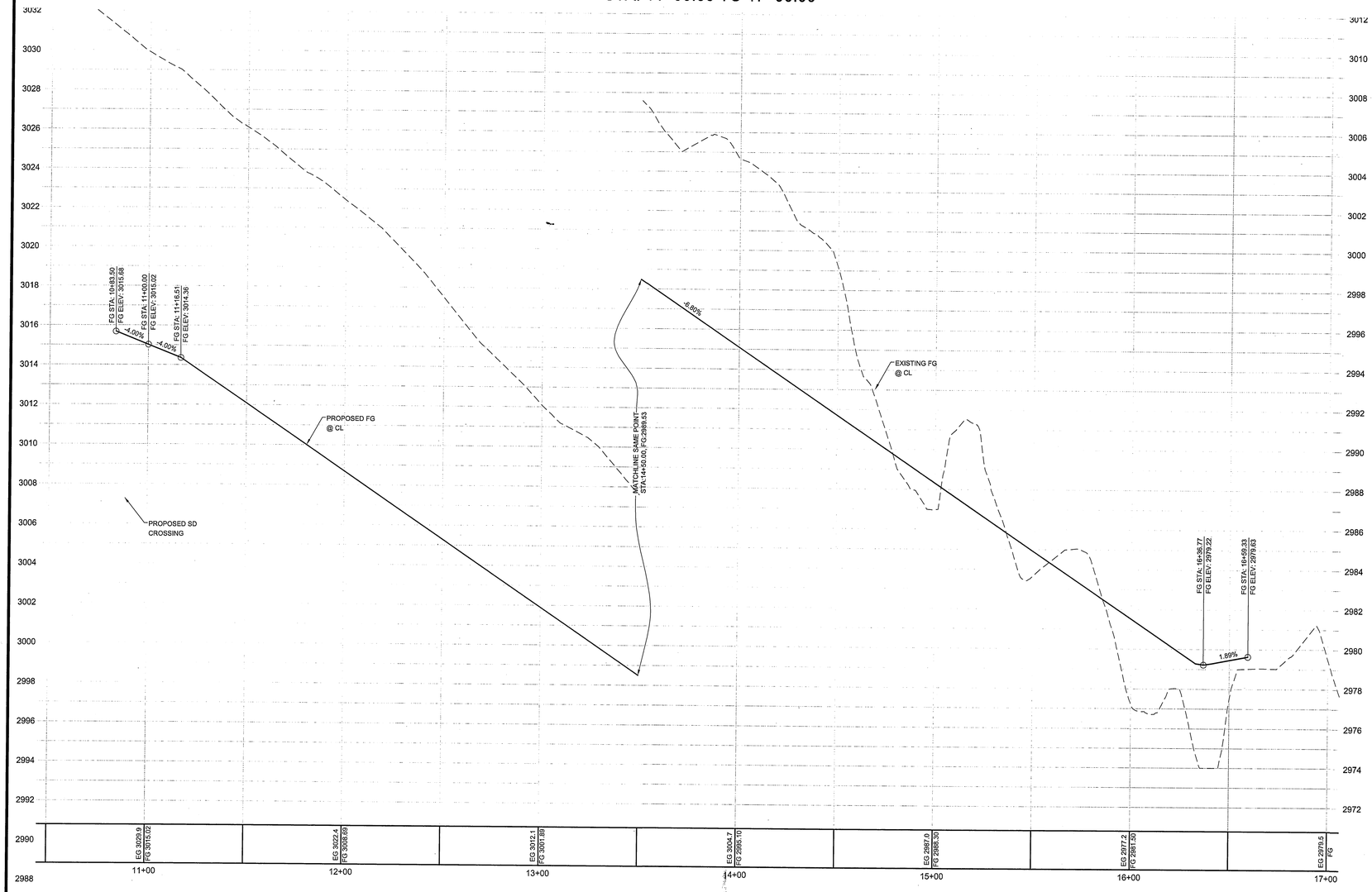
PROFESSIONAL ENGINEER
ROBERTO CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/13/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP20
SHEET: 38 OF 47

CLV



DIAMOND CASTLE LN - PLAN
STA: 11+00.00 TO 17+00.00



DIAMOND CASTLE LN - PROFILE
STA: 11+00.00 TO 17+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

FILE NAME: P&P_20-25.DWG

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3. 8.0' CROSS GUTTER (USD #228)
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1 inch = 30 ft.

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BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.00/9M 2936.55 FT
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LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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1-702-227-2929

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

NO.	DESCRIPTION	APPR.	DATE

REVISIONS

THM ENTERPRISES LLC
10555 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 883-8320 FAX: N/A

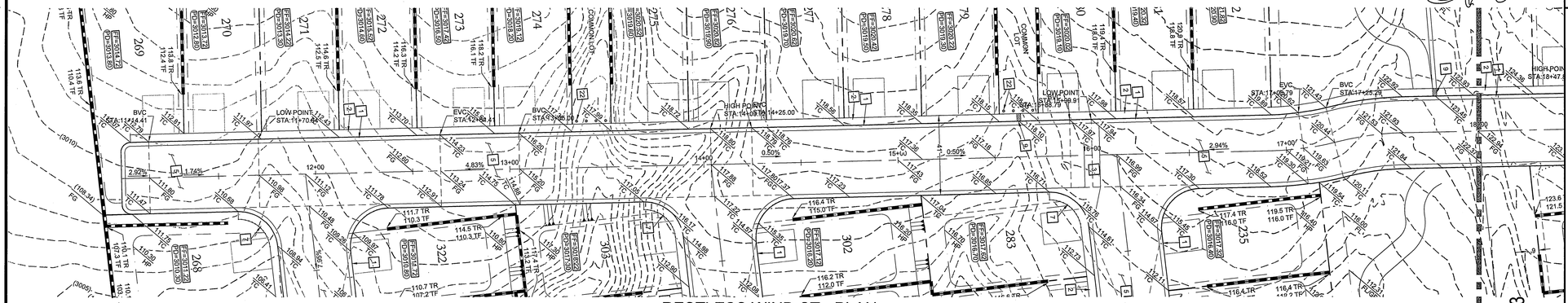
TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

DIAMOND CASTLE LN STA: 11+00 TO 17+00 PLAN AND PROFILE

ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA PROFESSIONAL ENGINEER
ENGINEER'S SEAL 12/13

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP21
SHEET: 39 OF 47
CLV



CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
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23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
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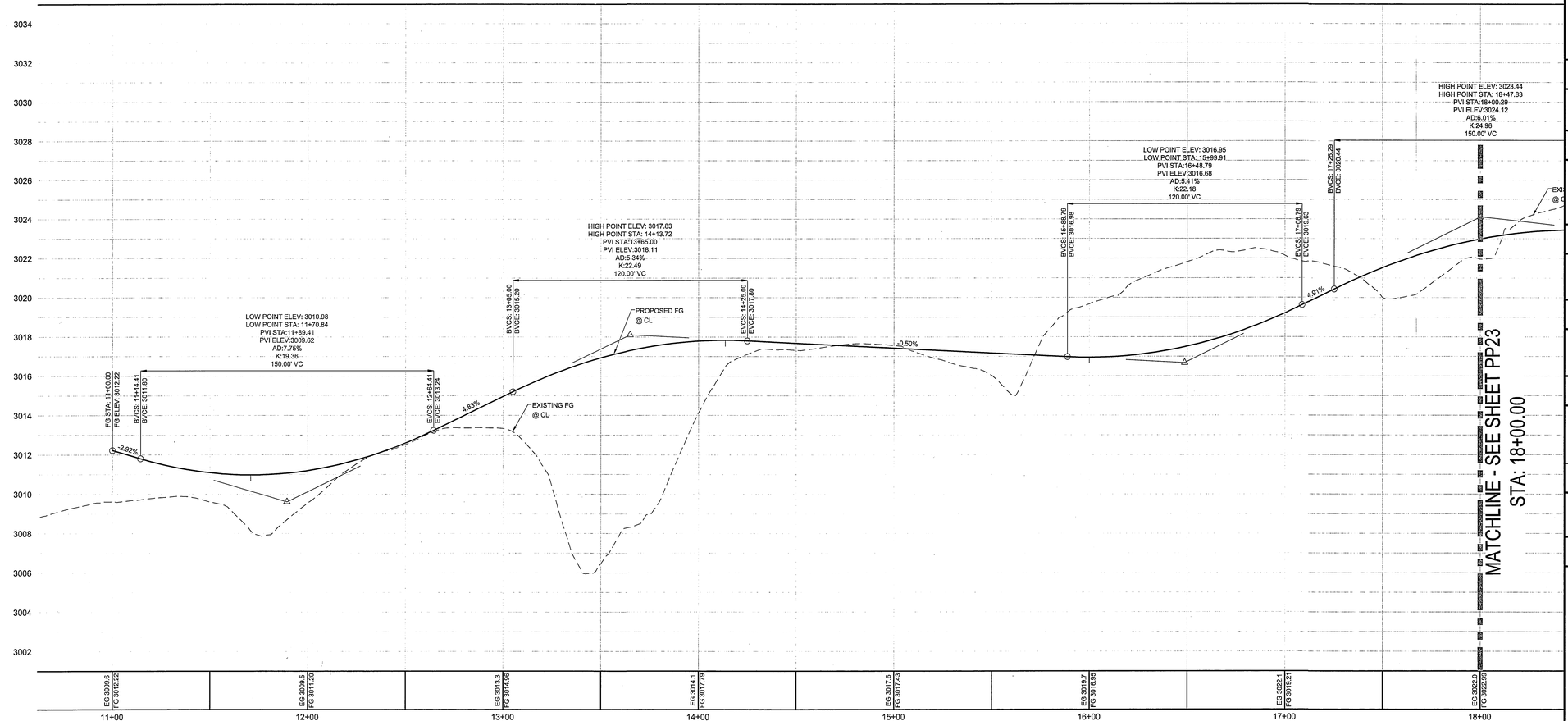

RESTLESS WIND ST- PROFILE
STA: 11+00.00 TO 18+00.00
SCALE: 1"=30' HORIZ., 1"=3' VERT.

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

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FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

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CALL 811
OR
1-800-227-2600

FILE NAME: P&P_20-25.DWG

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD., SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

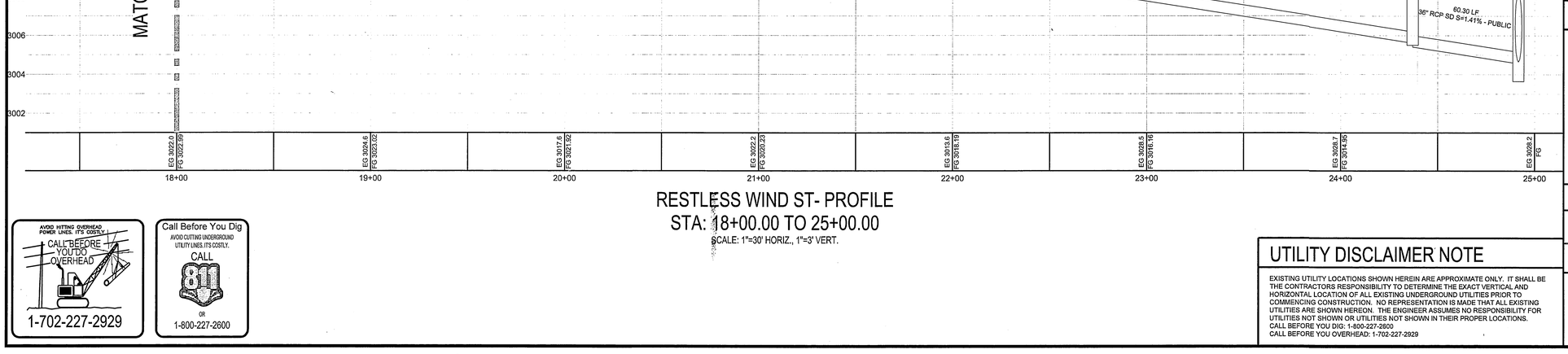
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

RESTLESS WIND ST STA: 11+00 TO 18+00 PLAN AND PROFILE

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
9/13
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP22
SHEET: 40 OF 47

CLV



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LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

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PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV. 895.0609M 2936.55 FT
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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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CALL 811
OR
1-800-227-2600

FILE NAME: P&P_20-25.DWG

NO.	DESCRIPTION	REVISION

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-8320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

RESTLESS WIND ST
STA: 18+00 TO 25+00
PLAN AND PROFILE

PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
9/13/13
ENGINEER'S SEAL

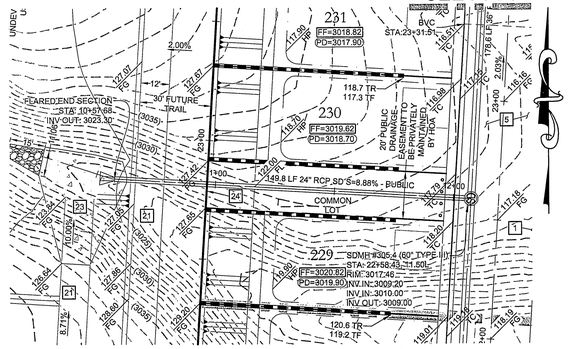
DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP23
SHEET: 41 OF 47

CLV

RESTLESS WIND
SEE PP23

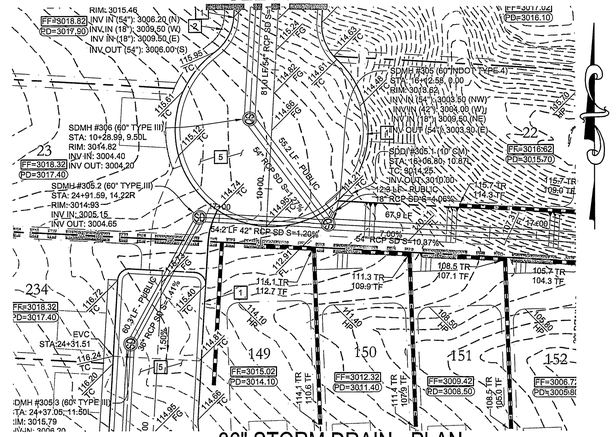
36" STORM DRAIN - PLAN

RESTLESS WIND
SEE PP23

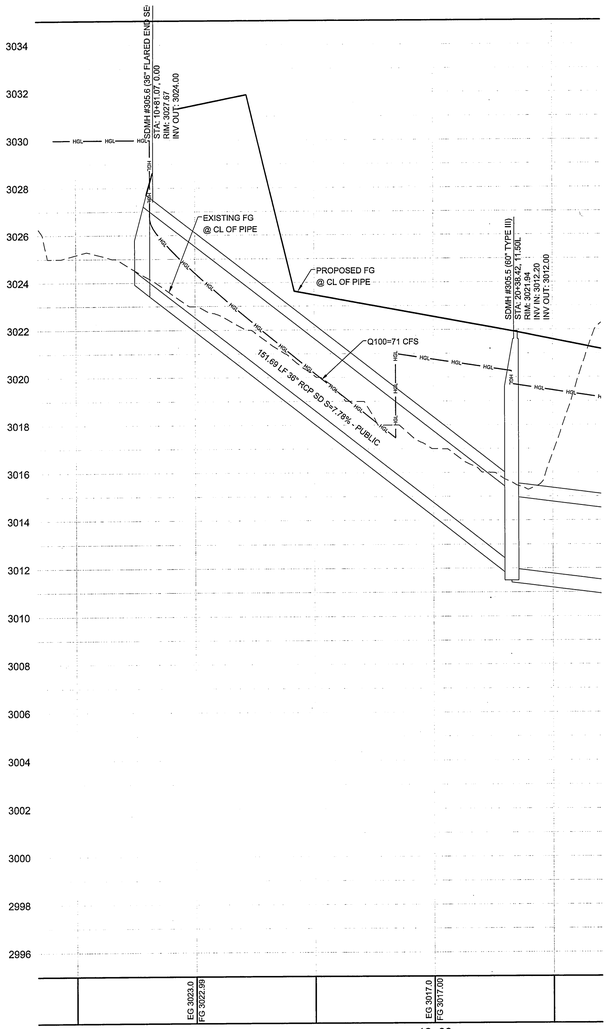


24" STORM DRAIN - PLAN

BLACK GLACIER
SEE PP1



36" STORM DRAIN - PLAN



36" STORM DRAIN- PROFILE
SCALE: 1"=30' HORIZ., 1"=3' VERT.

24" STORM DRAIN- PROFILE
SCALE: 1"=30' HORIZ., 1"=3' VERT.

36" STORM DRAIN- PROFILE
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30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
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RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: N/A

TANEY ENGINEERING
8816 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

24" STORM DRAIN & 36" STORM DRAIN PLAN AND PROFILE

ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
ENGINEER'S SEAL

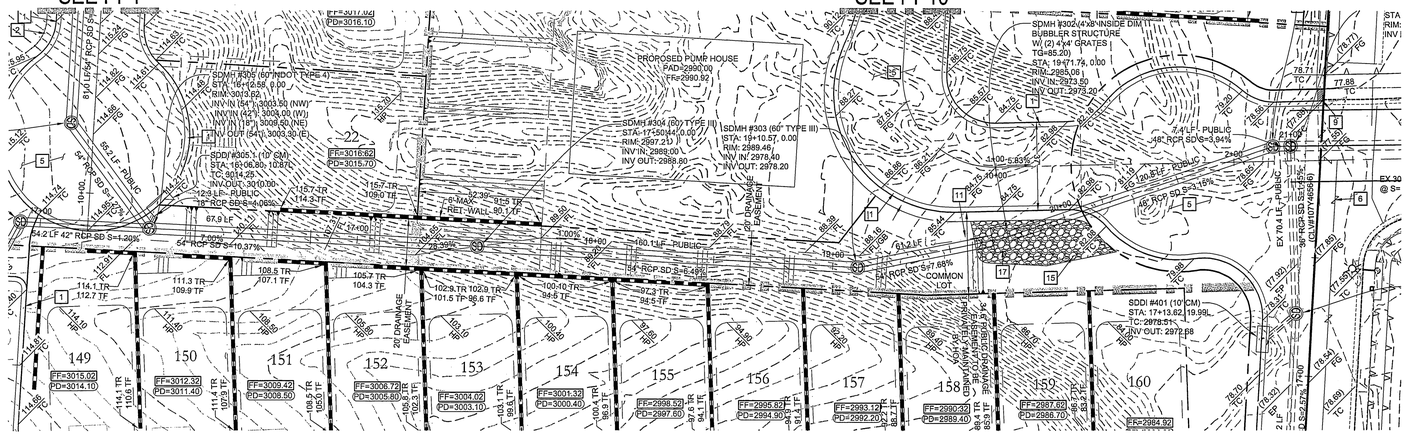
DATE:	9/13/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP24
SHEET:	42 OF 47

CLV

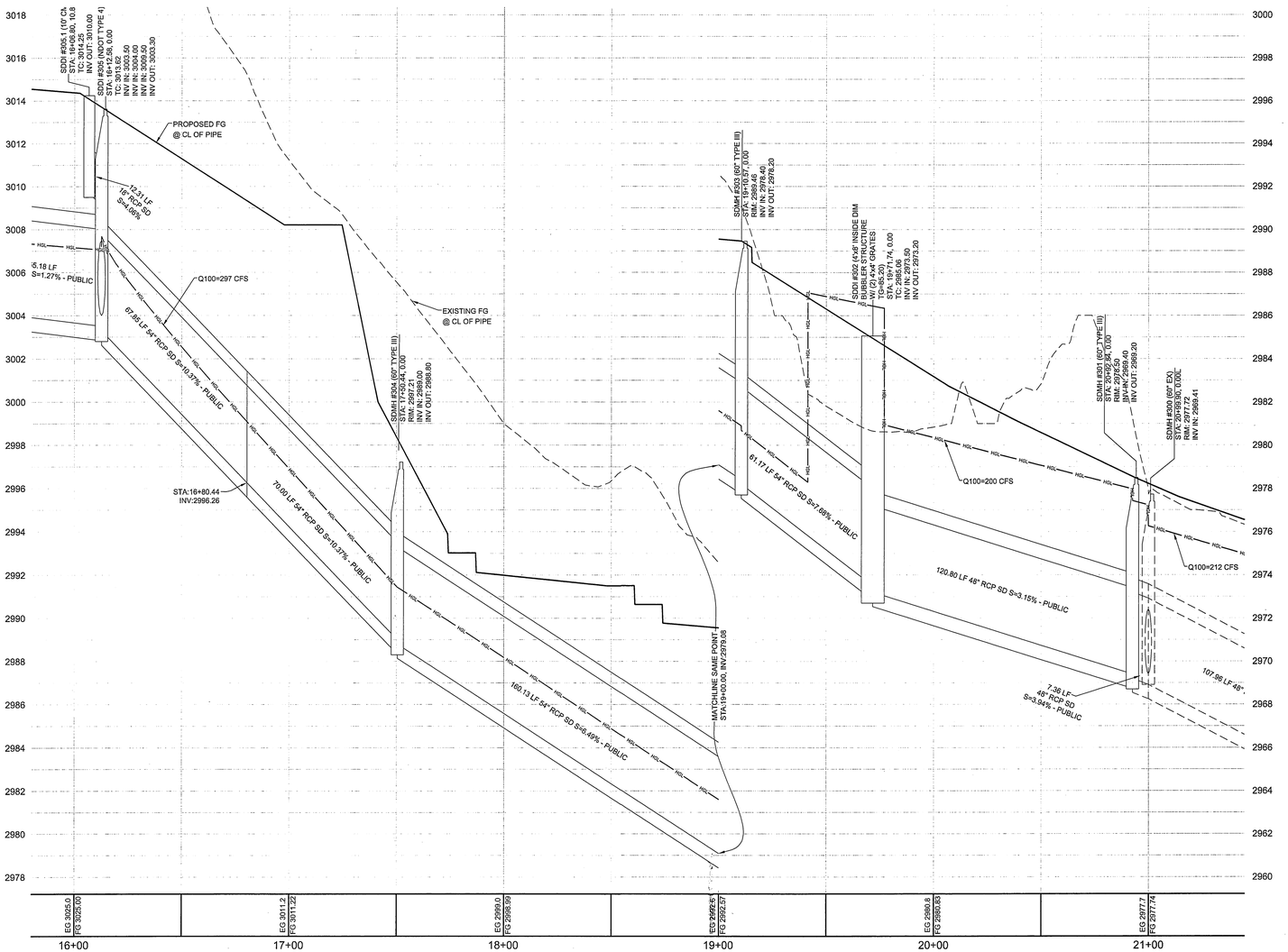
FILE NAME: P&P_20-25.DWG

BLACK GLACIER
SEE PP1

EAGLE NEST
SEE PP10



54" STORM DRAIN - PLAN



54" STORM DRAIN- PROFILE
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LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

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CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

Call Before You Dig
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CALL 811
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
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1-702-227-2929

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10655 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. STE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

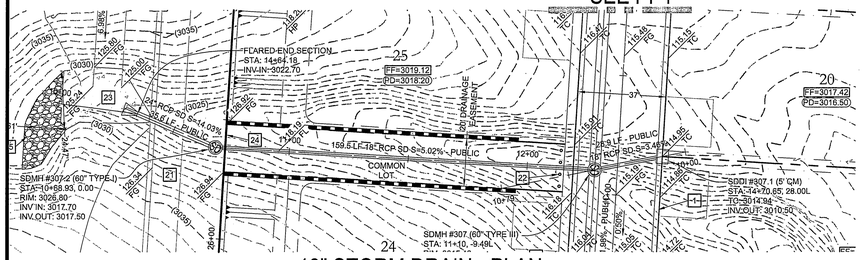
54" STORM DRAIN
PLAN AND PROFILE

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. CUNNINGHAM JR.
Exp. 12-31-14
CIVIL
No. 15726
STATE OF NEVADA
ENGINEER'S SEAL

DATE: 9/13/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP25
SHEET: 43 OF 47
CLV

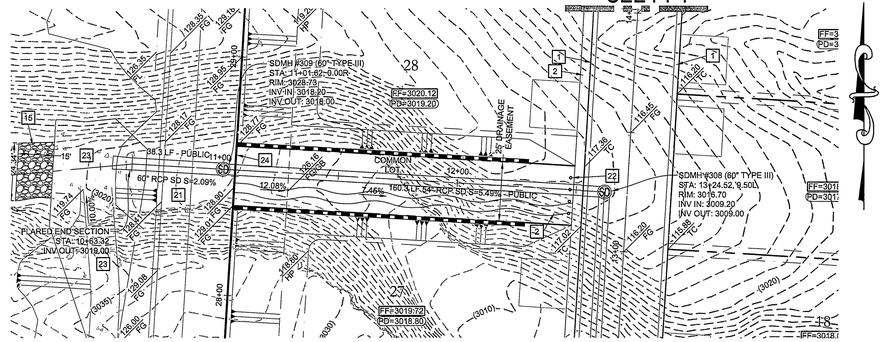
FILE NAME: PAP_20~25.DWG

BLACK GLACIER
SEE PP1

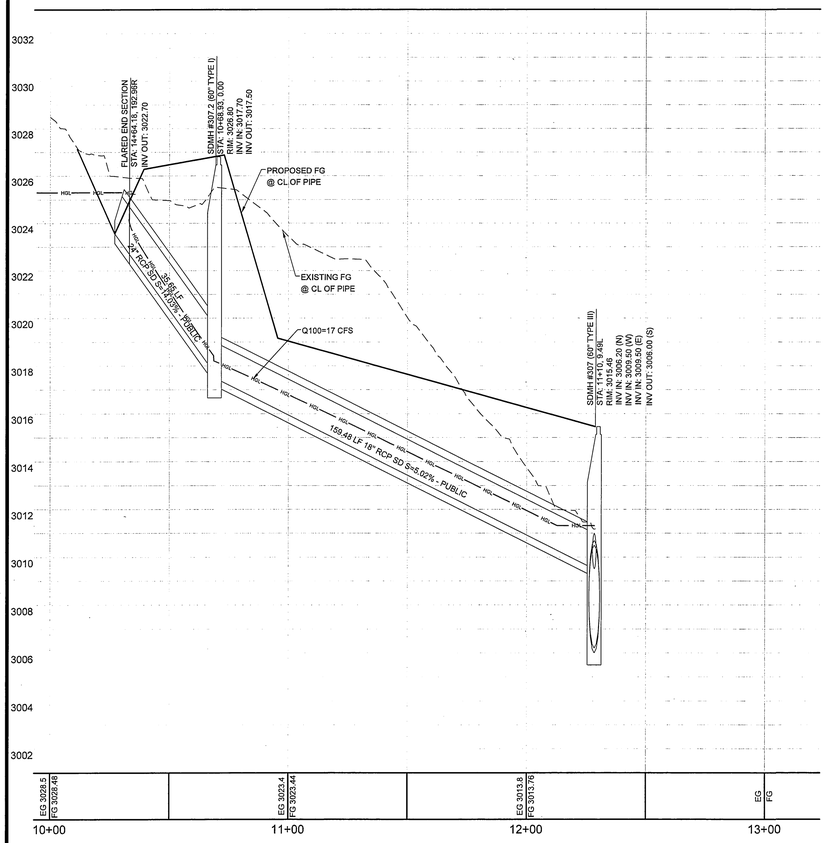


18" STORM DRAIN - PLAN

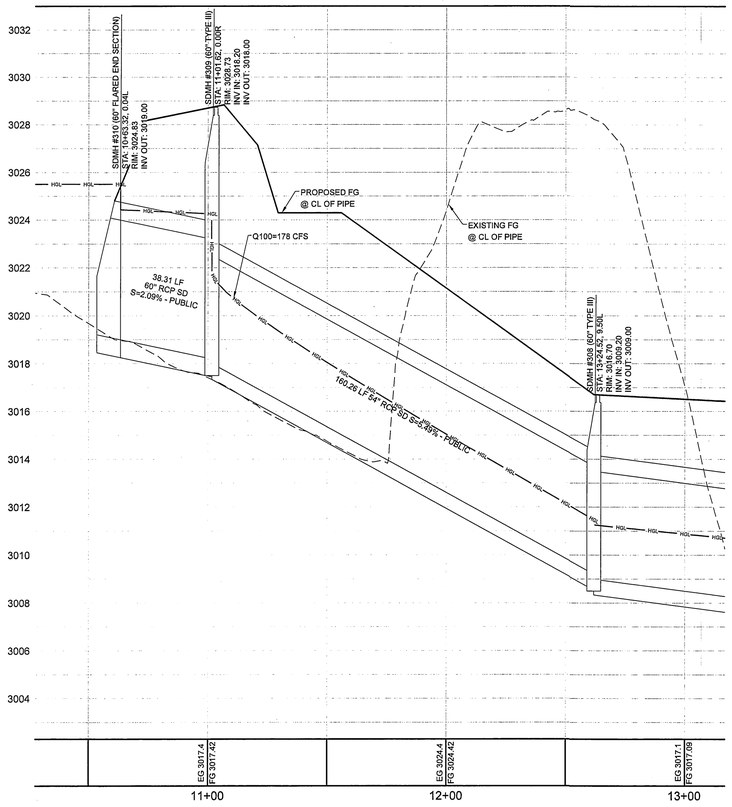
BLACK GLACIER
SEE PP1



48" STORM DRAIN - PLAN



18" STORM DRAIN - PROFILE
SCALE: 1"=30' HORIZ., 1"=3' VERT.



48" STORM DRAIN - PROFILE
SCALE: 1"=30' HORIZ., 1"=3' VERT.

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
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9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
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15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
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SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W8
NAVD88 ELEV: 895.06098M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 109444-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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FILE NAME: P&P_26-_30.DWG

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-6320 FAX: NA

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-9233

PEACEFUL RIDGE AT LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

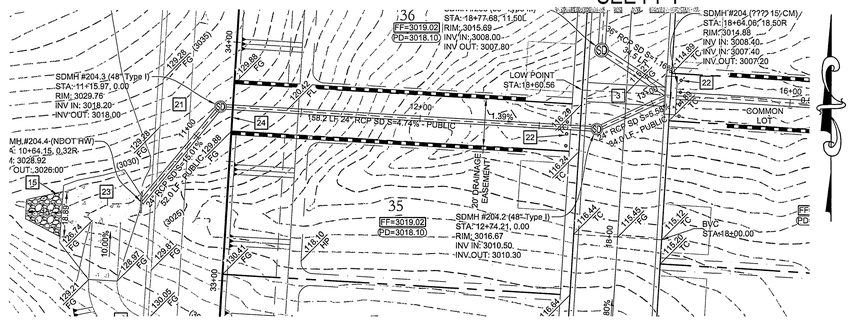
18" STORM DRAIN & 48" STORM DRAIN PLAN AND PROFILE

REGISTERED PROFESSIONAL ENGINEER
ROBERT M. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15729
STATE OF NEVADA
ENGINEER'S SEAL

DATE:	9/17/2013
SCALE:	1"=30'
JOB NO:	AST-12-002
DESIGNED BY:	SF
CHECKED BY:	MC
SHEET NAME:	PP26
SHEET:	44 OF 47

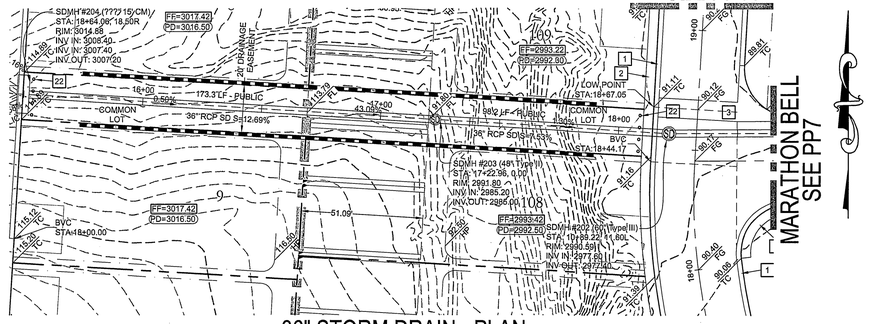
CLV

BLACK GLACIER SEE PP1



18" STORM DRAIN - PLAN

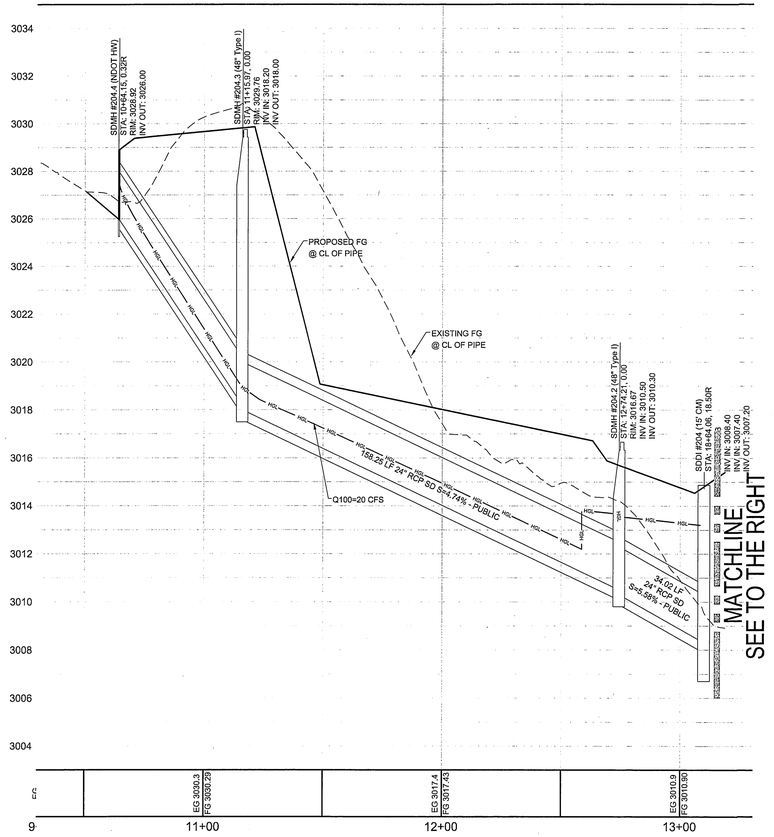
EAGLE NEST SEE PP11



36" STORM DRAIN - PLAN

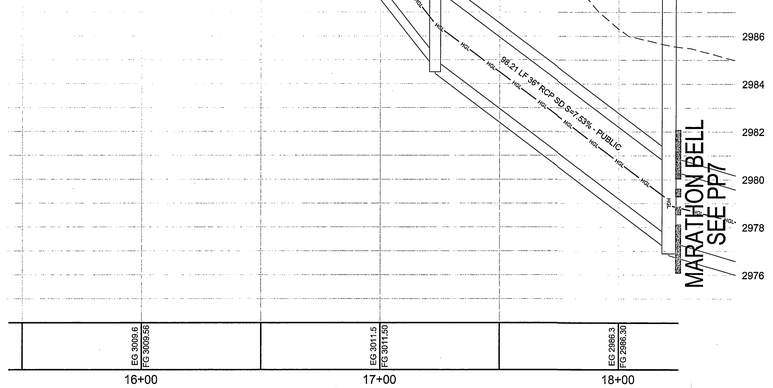
MARATHON BELL SEE PP7

MATCHLINE SEE TO THE RIGHT



18" STORM DRAIN - PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.



MATCHLINE SEE TO THE LEET

MARATHON BELL SEE PP7

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FILE NAME: P&P--26--30.DWG

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SCALE

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(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011, 137-01-201-001, 002, 003, 011, 012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2935.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

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GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

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APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
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THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
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PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

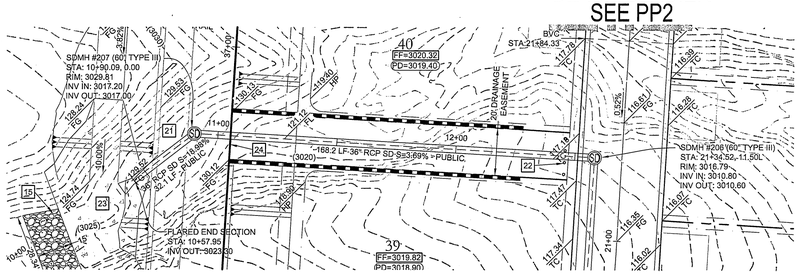
18" STORM DRAIN & 36" STORM DRAIN PLAN AND PROFILE

REGISTERED PROFESSIONAL ENGINEER ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA
9.12.13
ENGINEER'S SEAL

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP27
SHEET: 45 OF 47

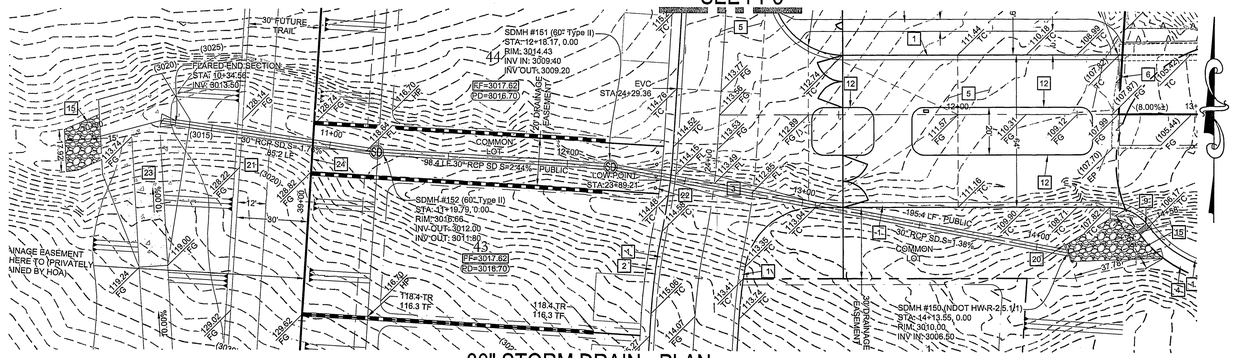
CLV

BLACK GLACIER
SEE PP2

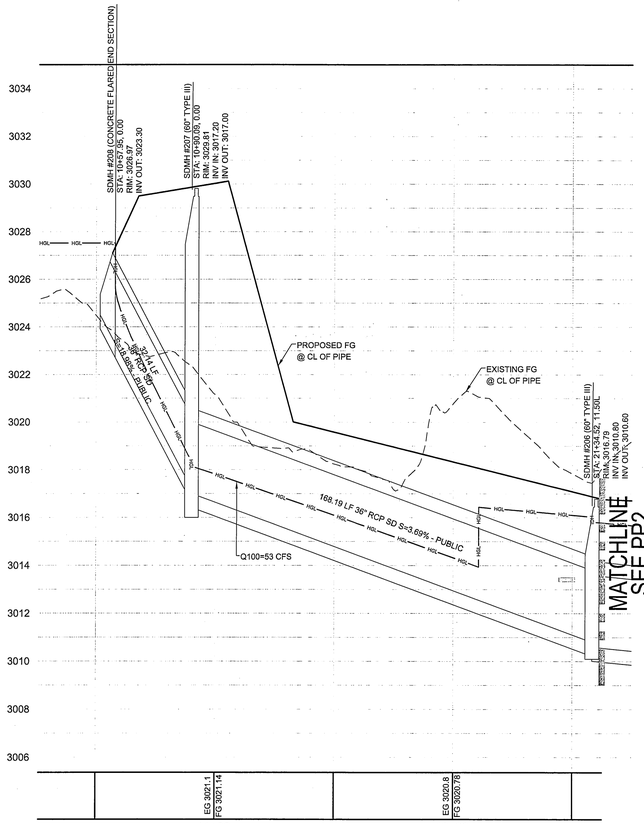


36" STORM DRAIN - PLAN

BLACK GLACIER
SEE PP3

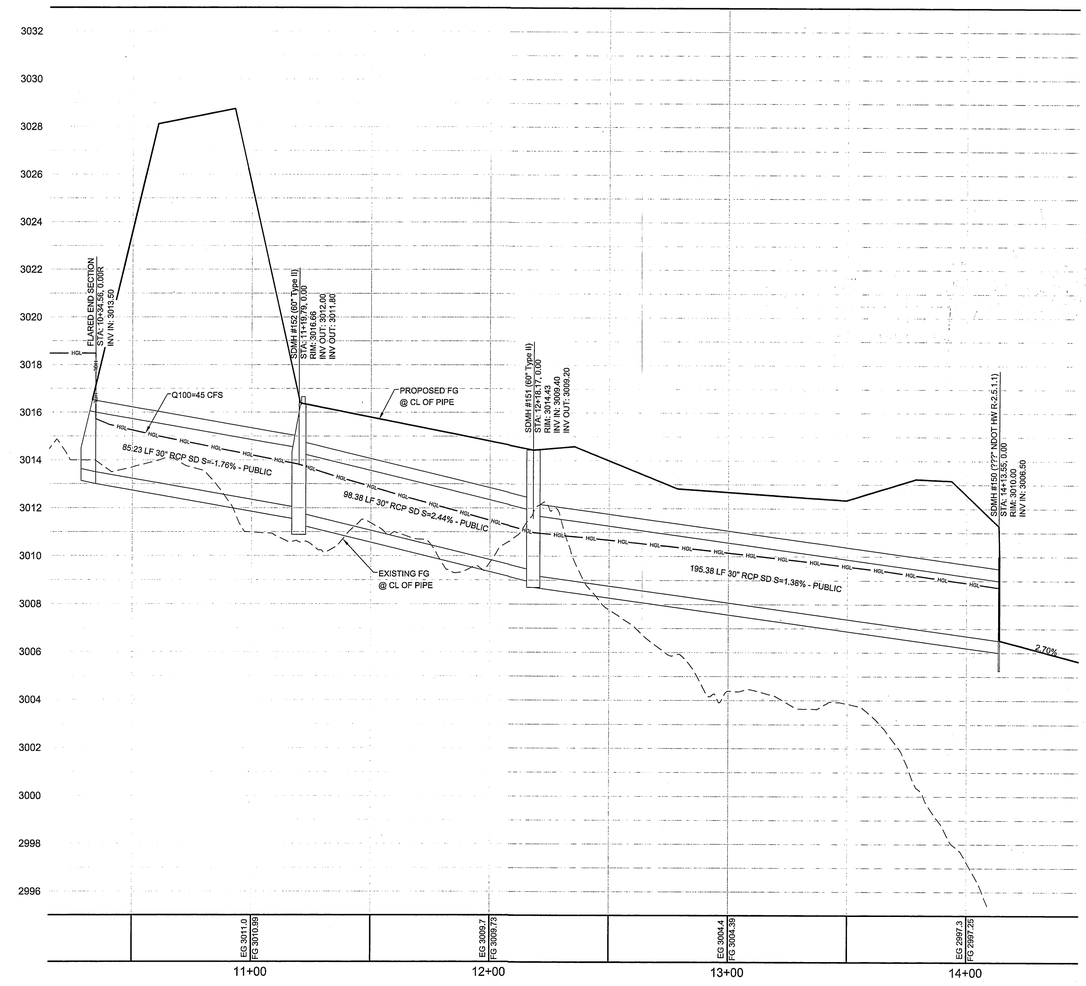


30" STORM DRAIN - PLAN



36" STORM DRAIN - PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.



LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
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BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
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23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

DRAINAGE EASEMENT NOTE

ALL DRAINAGE EASEMENTS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

UTILITY DISCLAIMER NOTE

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CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

THM ENTERPRISES LLC
10855 PARK RUN DRIVE SUITE #230
LAS VEGAS, NV 89144
(702) 853-5320 FAX: N/A

TANEY ENGINEERING
6030 S. JONES BLVD. SUITE 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-9233

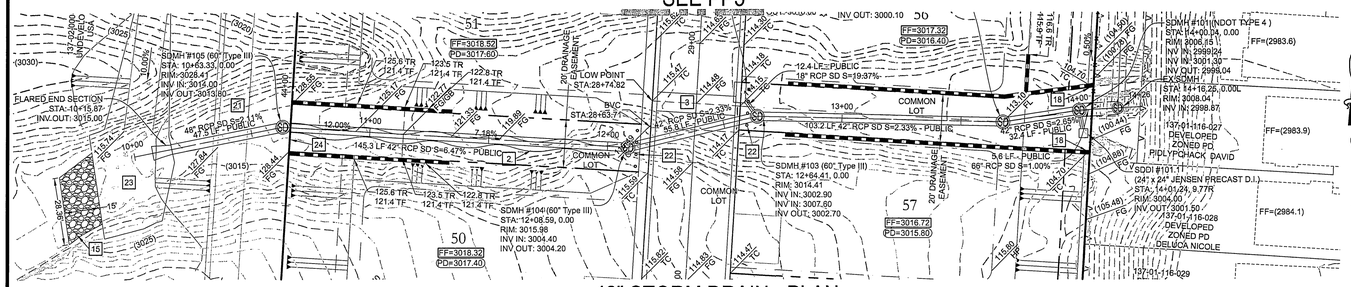
PEACEFUL RIDGE AT LONE MOUNTAIN & PULI A RESIDENTIAL SUBDIVISION

18" STORM DRAIN & 36" STORM DRAIN PLAN AND PROFILE

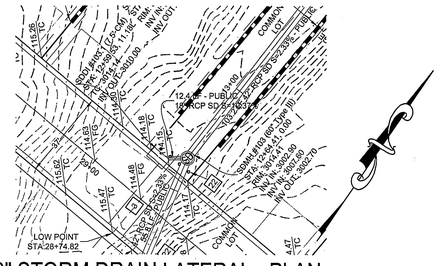
ROBERT D. CUNNINGHAM Exp. 12-31-14 CIVIL No. 15726 STATE OF NEVADA REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL
9/13/13

DATE: 9/17/2013
SCALE: 1"=30'
JOB NO: AST-12-002
DESIGNED BY: SF
CHECKED BY: MC
SHEET NAME: PP28
SHEET: 46 OF 47
CLV

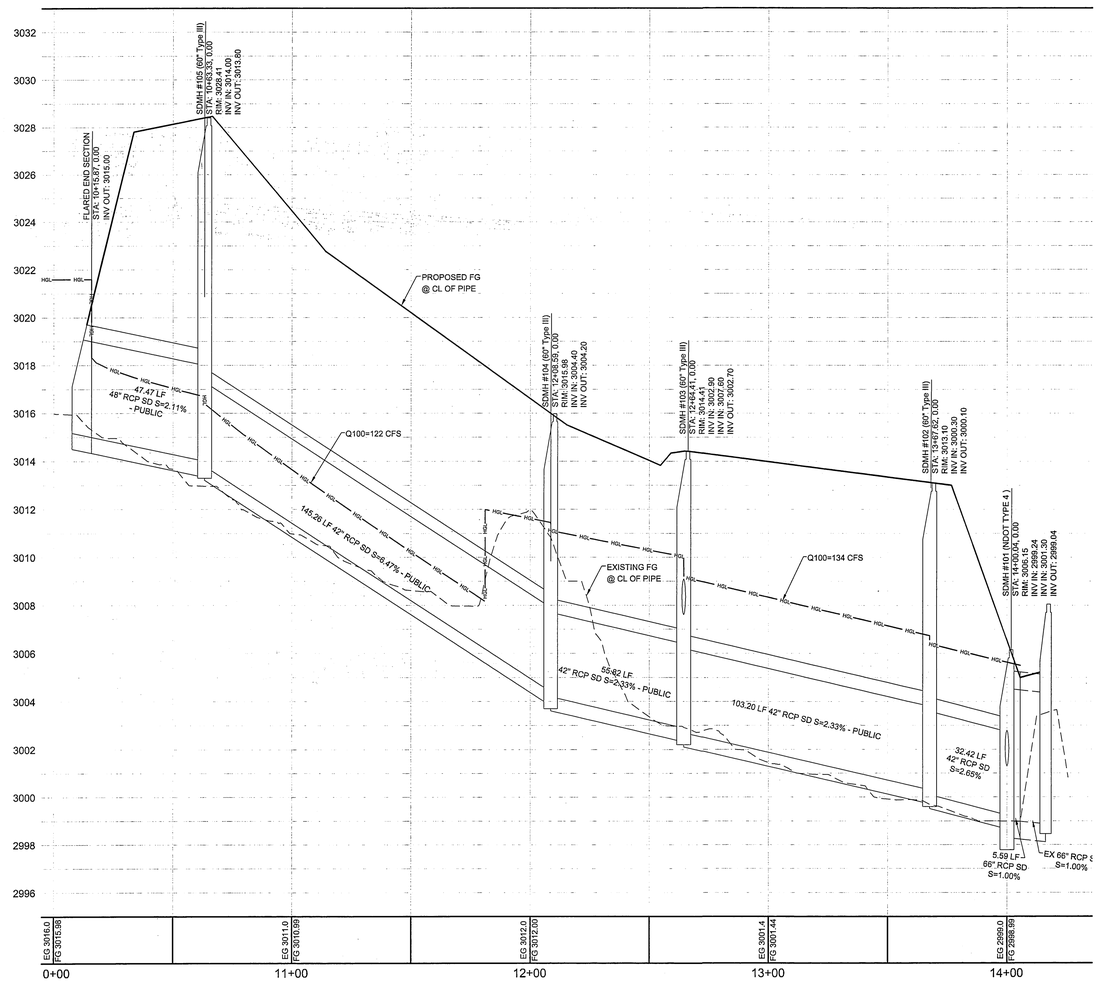
FILE NAME: P&P_26~30.DWG



42" STORM DRAIN - PLAN

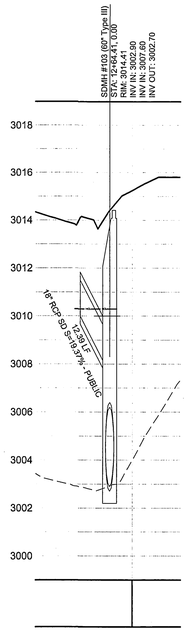


18" STORM DRAIN LATERAL - PLAN



42" STORM DRAIN - PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.



18" STORM DRAIN LATERAL- PROFILE

SCALE: 1"=30' HORIZ., 1"=3' VERT.

CONSTRUCTION NOTES

1. 24" L-TYPE CURB & GUTTER (USD #216)
2. 4.0' SIDEWALK (USD #234)
3. 8.0' CROSS GUTTER (USD #228)
4. 5.0' SIDEWALK (USD #234)
5. AC PAVEMENT OVER TYPE II (PER GEOTECHNICAL REPORT)
6. SAWCUT & MATCH EXISTING AC PAVEMENT
7. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235)
8. RESIDENTIAL DRIVEWAY (USD #223)
9. SIDEWALK UNDERDRAIN (USD #236)
10. 10' MEANDERING SIDEWALK (USD #234)
11. 3.0' CONCRETE FLUME (SEE DETAIL AA/GD2)
12. A-TYPE CURB (USD #219)
13. INSTALL WROUGHT IRON FENCE AND ACCESS GATE
14. 5.0' CONCRETE FLUME (SEE DETAIL BB/GD1)
15. RIPRAP: D50=12", THICKNESS=24" (SEE DETAIL AAA/GD4)
16. 2.0' CURB OPENING (SEE DETAIL RR/GD2)
17. 8' X 4' BUBBLER STRUCTURE W/ (2) 4' X 4' GRATES (SEE DETAIL ZZ/GD4)
18. 24" X 16" BLOCK WALL OPENING (SEE DETAIL CCC/GD2)
19. GROUTED RIPRAP: D50=18", THICKNESS=36"
20. NDOT HEADWALL (SEE DETAIL YY/GD4)
21. 4" THICK COMPACTED TYPE II AGGREGATE
22. INSTALL REMOVABLE LOCKING BOLLARDS (SEE DETAIL KKK/GD3)
23. 4" SHOTCRETE 3000PSI TYPE V CEMENT W/ #4 REBAR @12" O.C. EACH WAY
24. WROUGHT IRON FENCE WITH ACCESS GATE

DRAINAGE EASEMENT NOTE

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SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

LEGAL DESCRIPTION

APN #: 137-01-101-001, 009, 010, 011,
137-01-201-001, 002, 003, 011,
012, 137-01-301-001, & 002

BENCHMARK

PROJECT VERTICAL DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV09-1W6
NAVD88 ELEV: 895.0609M 2936.55 FT
RIVET AND PLATE IN TOP OF CURB AT NORTHEAST
CORNER OF CLIFF SHADOWS AND DIEGOVILLE.

BASIS OF BEARINGS

SOUTH 87°47'07" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 113, PAGE 87 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC.
6835 S. ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 10944-LVR6
DATE 10/30/2012

GRADING NOTES

ADD 2900 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL PRIVATE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION (H.O.A.).

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2150E, MAP REVISED SEPTEMBER 27, 2002

APPROVAL BLOCK

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
(PROJ#)

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CALL BEFORE YOU OVERHEAD: 1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY !
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

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6030 S. JONES BLVD. STE 100
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(702) 362-8844 FAX: (702) 362-5233

PEACEFUL RIDGE AT
LONE MOUNTAIN & PULI
A RESIDENTIAL SUBDIVISION

42" STORM DRAIN &
18" STORM DRAIN LATERAL
PLAN AND PROFILE

PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT D. CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15725
ENGINEER'S SEAL

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JOB NO: AST-12-002
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