CC GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE COUNTY ENGINEER.

2. EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. (CALL BEFORE YOU DIG 800-227-2600)

3. CONSTRUCTION SURVEY:
GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE CAUTIONED TO OBSERVE THE FOLLOWING RULE IN USING THE GRADE STAKES GIVEN BY THIS OFFICE. THREE CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN COMMON IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED. IN CASE ANY SUCH DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED OTHERWISE THIS OFFICE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISH WORK.

4. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO VERIFY THE EXACT LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR'S RESPONSIBILITIES REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SECTION 107.17 OF THE UNIFORM STANDARD SPECIFICATIONS FOR CLARK COUNTY AREA, NEVADA AND AS PROVIDED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL USE EXTREME CARE WORKING OVER OR NEAR ANY EXISTING GAS MAINS.

5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

6. FENCES, SIGNS, STRUCTURES, LIGHTS AND OTHER EXISTING IMPROVEMENTS WITHIN STREET R/W SHALL BE REMOVED WHERE SHOWN ON THE CONTRACT DRAWINGS, AND AS REQUIRED BY THE ENGINEER.

7. REPLACEMENT, RELOCATION OR RECONSTRUCTION OF ALL EXISTING IMPROVEMENTS INCLUDING FENCES, WALL SIGNS, AND ALL OTHER ITEMS APPLICABLE TO THIS CONTRACT SHALL BE AS REQUIRED BY THE ENGINEER.

8. THE CONTRACTOR SHALL BACKFILL AND FINAL GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF ALL EXISTING SANITARY, WATER AND STORM SEWER MANHOLES TO THE FINAL FINISH GRADES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONTRACT DRAWINGS AND IN ACCORDANCE WITH SECTION 609 OF THE "STANDARD SPECIFICATIONS".

10. ALL GRADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATION MANUAL AND THE SOILS REPORT AS LISTED WITHIN THE PLAN SET WHERE CONFLICTS OCCUR THE MOST RESTRICTIVE SHALL GOVERN.

11. 48 HOURS PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL CONTACT:

NV ENERGY	PHONE 1-800-227-2600 OR 811
CENTURYLINK TELEPHONE - NEVADA	PHONE 1-800-227-2600 OR 811
SOUTHWEST GAS CORPORATION	PHONE 1-(702) 400-1789
LAS VEGAS VALLEY WATER DISTRICT	PHONE 1-(702) 870-2011

CC PUBLIC WORKS TRAFFIC NOTES

1. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRASFIC 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.

2. 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 GROUND MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

3. ALL CONSTRUCTION SIGNING, BARRICADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1986 AND TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION.

4. 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 COUNTY TRAFFIC MANAGER.

5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE CLASS VI SHEETING.

6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.

7. PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.

8. ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PEDESTAL FOR CABINETS, AND STREET LIGHT POLES SHALL BE GALVANIZED PER ASTM A.123.

9. ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS, AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA. LATEST EDITION OF EACH EXCEPT AS NOTED ON THE STREET LIGHTING PLANS AND LED LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "QPL" FOR LED LUMINAIRES. QPL CAN BE FOUND ONLINE AT HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX.

10. THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, AND FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (F.A.S.T.) INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT 702-455-6000 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF "CALL BEFORE YOU DIG" (UNDERGROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.

11. F.A.S.T. INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO F.A.S.T. ANY DAMAGE TO THIS CABLE IS DEEMED IN EMERGENCY BY F.A.S.T., CITY OF LAS VEGAS, CLARK COUNTY AND NDOT AND MUST BE REPAIRED IMMEDIATELY TO F.A.S.T. ACCEPTANCE. $2,500 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HOURS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.

12. ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING. SHALL HAVE INDEPENDENT LEAD-IN WIRES FOR EACH LOOP FROM THE CONTROLLER TO THE PULL-BOX AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.

13. TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE THE LED TYPE.

14. ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON THE PLANS. IF CONNECTING TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.

15. WHEN STREET LIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, THE ENGINEER MUST CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.

16. CLARK COUNTY RESERVES THE RIGHT TO REJECT STREET LIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.

17. TWO WEEKS PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WORK WILL BEGIN.

18. THREE (3) NORMAL WORKING DAYS PRIOR TO TURN-ON OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.

CC PUBLIC WORKS DEVELOPMENT REVIEW NOTES

1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE. (702) 455-4610. THE PERMIT, APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.

2. EXACT LOCATION OF ALL SAW-CUT LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.

3. CURB AND GUTTER WITH A GRADE LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.

4. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF (1/2") INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN GRADE).

5. ALL OFFSITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST REVISION EXCEPT FOR LUMINAIRES, REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "QPL" FOR LED LUMINAIRES. QPL CAN BE FOUND ONLINE AT:
HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX

6. PRIVATE STREETS, CURB AND GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.

7. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATIONS OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.

8. PROPER SIGNS, BARRIERS, BARRICADES, AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". TRAFFIC, SCHOOL, OR STREET SIGNS OF ANY KIND ARE NOT TO BE MOVED FOR ANY REASON WITHOUT FIRST COORDINATING WITH THE DEPARTMENT OF PUBLIC WORKS OFF-SITE INSPECTOR @ 702-455-4610.

9. THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.

10. NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10) FEET OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTABLE STEEL PLATE ARE NOT TO BE CONSTRUED AS A TRENCH. NO OPEN TRENCH IS PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICH EVER IS GREATER. ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATION UNLESS OTHERWISE STATED.

11. A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH WORK DAY WHERE THE BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO OPENING THE WORK AREA BACK TO TRAFFIC AND IS TO BE MAINTAINED BY THE PERMITEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.

12. COMPACTION TESTS ARE REQUIRED.

CC FIRE DEPARTMENT NOTES

A. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY FIRE CODE AS AMENDED, AND THE 2007 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.

B. FIRE HYDRANTS AND WATER SUPPLIES FOR FIRE PROTECTION SHALL BE AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 3312 OF THE CLARK COUNTY FIRE CODE, AS AMENDED.

C. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, APPROVAL SHALL BE OBTAINED FROM THE FIRE PREVENTION BUREAU PRIOR TO PLACING THE HYDRANT OUT OF SERVICE.

D. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION BUREAU.

E. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES.

F. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS, WITH A MINIMUM VEHICLE LOAD OF 33,000 POUNDS PER AXLE, AND SHALL BE SURFACED AND PAVED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.EXCEPTION: TEMPORARY ACCESS ROADS SERVING ONLY BUILDING UNDER CONSTRUCTION SHALL NOT BE REQUIRED TO BE PAVED, BUT SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF SECTION 503.2.3 OF THE CLARK COUNTY FIRE CODE.

G. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION.

H. FIRE HYDRANTS SHALL BE LOCATED 4' TO 7' FROM BACK OF CURB AND A MINIMUM OF 6 FEET AWAY FROM TURNS.

I. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED. [SECTION C107 OF THE CLARK COUNTY FIRE CODE, AS AMENDED].

J. HYDRANTS THAT ARE PROPOSED FOR INSTALLATION IN PUBLIC WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE WATER PURVEYOR. HYDRANTS PROPOSED FOR INSTALLATION ON PRIVATE WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE FIRE PREVENTION BUREAU.

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 GUIDANCE 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 OR 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 ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. 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.

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT #126326

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 NUMBER 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 SUPERCEDE 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 INCHES (2") 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 AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.

10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO INCHES (2") 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 ACCRODANCE 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 APPROVED PRODUCT'S LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.

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

14. THE INSTALLATION OF LVVWD MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPIATELY 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.

15. NO LEAD COMPLIANCE NOTE: TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW: 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 0 GPM

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.

MANHOLE SCHEDULE

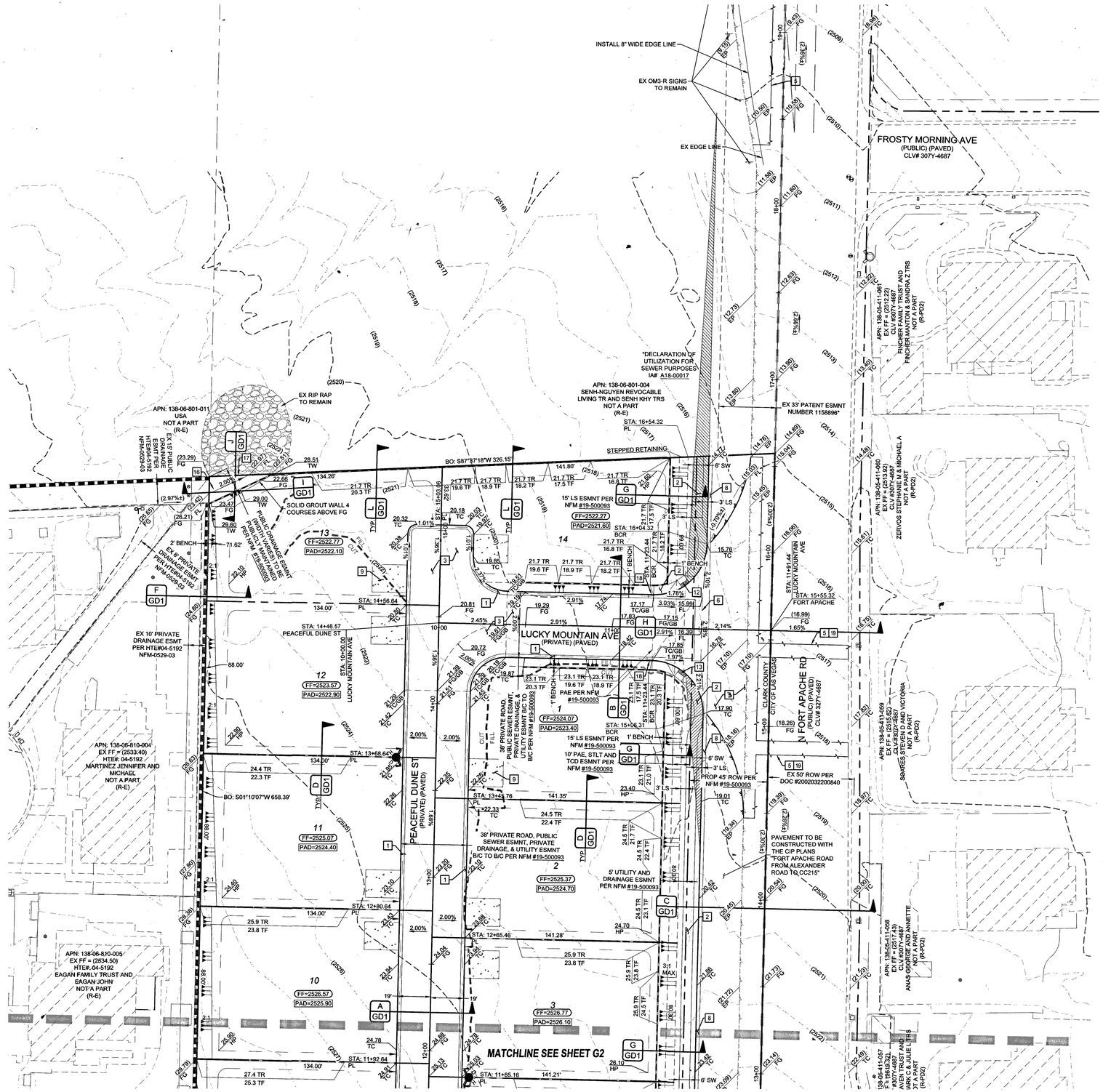
SSMH#	SIZE	STATION & OFFSET	STATE PLANES	RIM ELEV	INV IN	INV OUT
1	48"	10+20.31 -5.00L (PEACEFUL DUNE ST)	N: 26786594.46 E: 742129.61	2526.97		2519.76 (N)
2	48"	12+37.84 -5.00L (PEACEFUL DUNE ST)	N: 26786811.94 E: 742134.04	2524.13	2517.15 (S)	2516.95 (N)
3	48"	14+51.58 -5.00L (PEACEFUL DUNE ST)	N: 26787025.64 E: 742138.40	2520.73	2513.96 (S) 2513.96 (N)	2513.76 (E)
4	48"	14+83.24 -5.00L (PEACEFUL DUNE ST)	N: 26787057.30 E: 742139.05	2520.34		2514.09 (S)
7	48"	15+60.32 -20.79L (FORT APACHE)	N: 26787021.90 E: 742314.01	2516.70	2508.49 (W)	2508.29 (N)
8	48"	19+36.96 -20.79L (FORT APACHE)	N: 26787398.46 E: 742322.02	2508.28	2500.76 (S)	2500.56 (N)

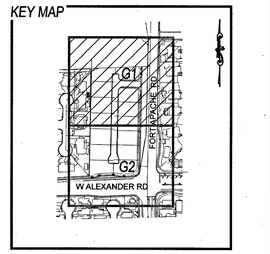
CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY, NEVADA AREA", 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 ACCURATE 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 UT





SCALE: 1" = 30'

30' 15' 30' 60' 90'

CONSTRUCTION NOTES

1. 24" R-TYPE CURB (CCAUSD #217.3.S1)
2. SIDEWALK (CCAUSD #234)
3. 2" AC PAVEMENT OVER 4" TYPE II PER SOILS REPORT (PWN-19-519)
4. NOT USED
5. SAWCUT & MATCH EXISTING AC PAVEMENT (CCAUSD #500.3 & #500.5)
6. 8.0' CROSS GUTTER (CCAUSD #228)
7. REMOVE EX RIP RAP
8. 24" L-TYPE CURB & GUTTER (PER CCAUSD #216)
9. CONSTRUCT 16' DRIVEWAY (PER CCAUSD #223)
10. EX CURB TO BE REMOVED
11. EX STLT TO BE RELOCATED
12. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=9.5', B=4.5'
13. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=8', B=8'
14. EX BLOWOFF VALVE TO BE REMOVED
15. INSTALL TYPICAL BUS TURN-OUT PER CCAUSD 234.1
16. REMOVE EX RIP RAP AND INSTALL 6" CONCRETE OVER 6" TYPE II DRAINAGE CHANNEL
17. CUT OFF WALL (SEE J/GD1)
18. L-TYPE CURB TO R-TYPE CURB 3' TRANSITION (SEE CCAUSD# 223, DETAIL N/GD1)
19. TRENCH & BACKFILL (CCAUSD #503)
20. INSTALL 8" WIDE EDGE LINE
2. INSTALL 48" STANDARD MANHOLE W/ SINGLE 24" LID (DCSWCS SD-1A, SD-1B, & SD-4)
10. PROTECT EXISTING MANHOLE IN PLACE. CORE NEW INVERT FOR PROPOSED LINE

BASIS OF BEARING

S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 7,604.03 CY CUT / 5,251.65 CY FILL / 2,352.38 CY NET CUT

NOTE: THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY THE GOVERNING ENTITY. 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 FLOOD ZONE "X", AN AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAIN PER FIRM PANEL 32003C2135F, REVISED 11/16/2011.

UTILITY DISCLAIMER

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 EXISTING LOCATIONS.

GRADING NOTES

ADD 2500 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 THE GOVERNING ENTITY.

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

FAST
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Call before you Dig
Avoid cutting underground utility lines. it's costly.
CALL 811 OR 1-800-227-2600

SVZ NOTE

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

GRADING CERTIFICATION, CC

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, PW 18-15561, ON FILE WITH CLARK COUNTY AND DS5073A, ON FILE WITH CITY OF LAS VEGAS, FOR THIS PROJECT.

JUSTIN THORNE, PE — DATE 5/21/19

CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY _____ DATE _____

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

GEOTECHNICAL

GEOTEK RESIDENTIAL, LLC
6538 SOUTH ESCONDIDO ST, SUITE B
LAS VEGAS, NV 89119
(702) 897-1424

REPORT NO: 14051-LVR
DATE: 04/26/2019

NO.	DESCRIPTION	BY	SHTS	APPR.	DATE
	REVISIONS				

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-5888 FAX:

TANEY ENGINEERING
6030 S. JONES BOULEVARD
LAS VEGAS, NEVADA 89118
(702) 362-8844 FAX: (702) 362-8233

EST. 2000

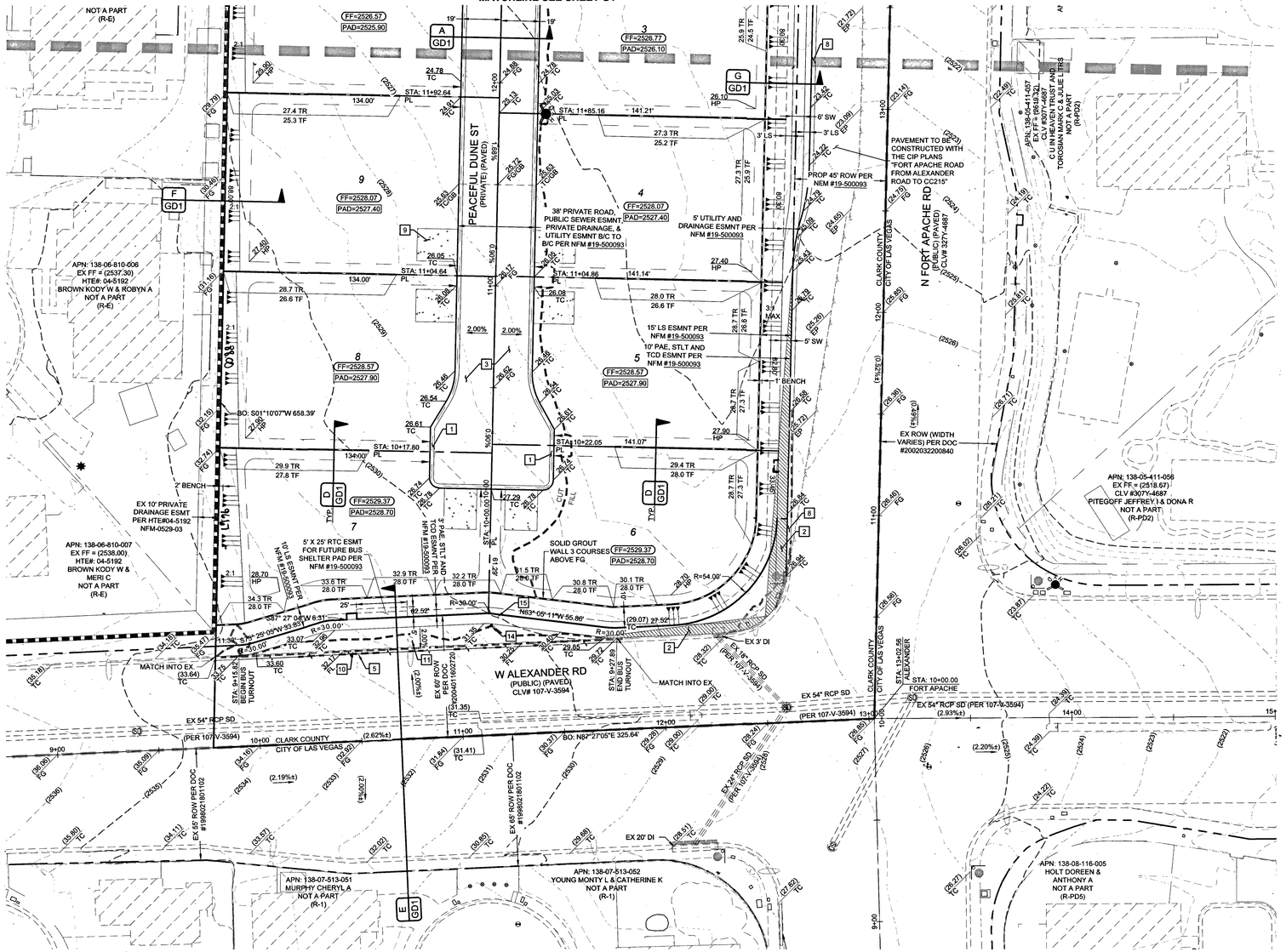
FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

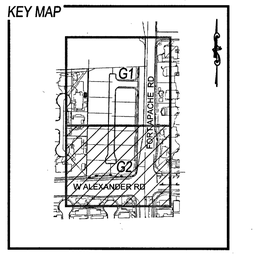
GRADING PLAN - NORTH

S. JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841

DATE:	5/20/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	G1
SHEET NUMBER:	03 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

FILE NAME:





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JUSTIN THORNE, PE — DATE 5/21/19

CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY _____ DATE _____

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(702) 897-1424

REPORT NO: 14051-LVR
DATE: 04/26/2019

NO.	DESCRIPTION	BY	SHTS	APPR.	DATE
	REVISIONS				

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-5888 FAX:

TANEY ENGINEERING
8816 S. JONES BLVD, #210
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

EST. 2000

FORT APACHE & ALEXANDER A RESIDENTIAL SUBDIVISION

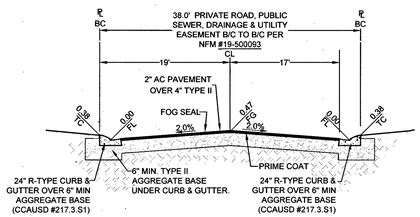
GRADING PLAN - SOUTH

JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841 STATE OF NEVADA — 5/21/19

DATE:	5/20/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	G2
SHEET NUMBER:	04 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

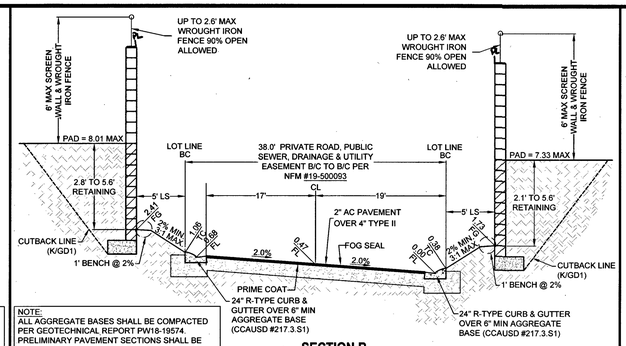
FILE NAME:

3071170



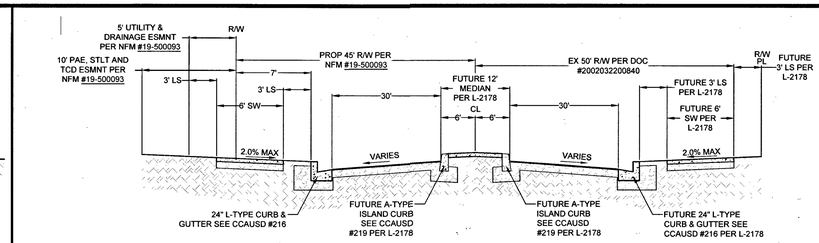
SECTION A
PRIVATE STREET
TYPICAL 38-FT WIDE
NTS

NOTE:
ALL AGGREGATE BASES SHALL BE COMPACTED PER GEOTECHNICAL REPORT PW18-19574. PRELIMINARY PAVEMENT SECTIONS SHALL BE VERIFIED WITH THE FINAL PAVEMENT SECTION RECOMMENDATION REPORT PRIOR TO CONSTRUCTION. IF FINAL PAVEMENT SECTIONS ARE DIFFERENT, A REVISION TO THE IMPROVEMENT PLANS WILL BE REQUIRED.

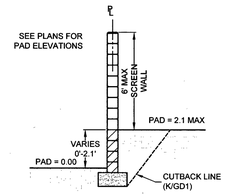


SECTION B
PRIVATE STREET
TYPICAL 38-FT WIDE
NTS

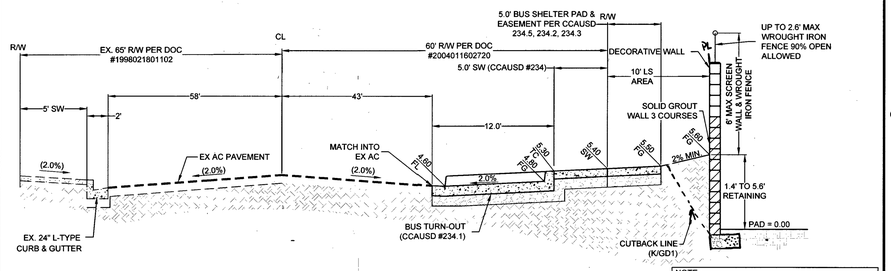
NOTE:
ALL AGGREGATE BASES SHALL BE COMPACTED PER GEOTECHNICAL REPORT PW18-19574. PRELIMINARY PAVEMENT SECTIONS SHALL BE VERIFIED WITH THE FINAL PAVEMENT SECTION RECOMMENDATION REPORT PRIOR TO CONSTRUCTION. IF FINAL PAVEMENT SECTIONS ARE DIFFERENT, A REVISION TO THE IMPROVEMENT PLANS WILL BE REQUIRED.



SECTION C - FUTURE FORT APACHE RD PER L-2178 (PUBLIC)
NTS



SECTION D TYPICAL
SIDE/SIDE YARDS
NTS



SECTION E - ALEXANDER ROAD (PUBLIC)
NTS

NOTE:
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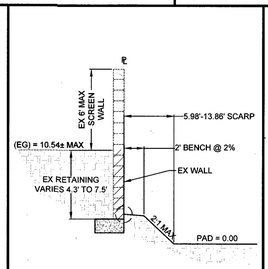
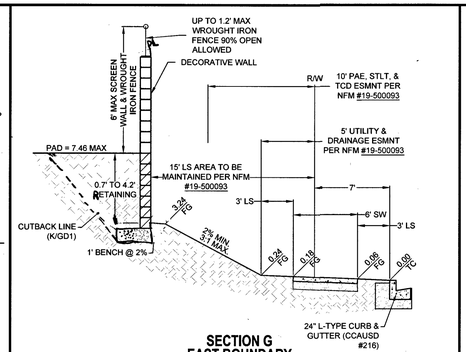
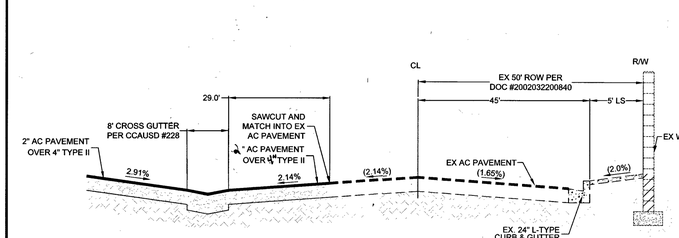


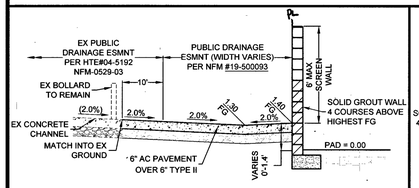
SECTION F
WEST BOUNDARY
NTS



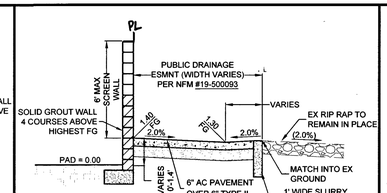
SECTION G
EAST BOUNDARY
NTS



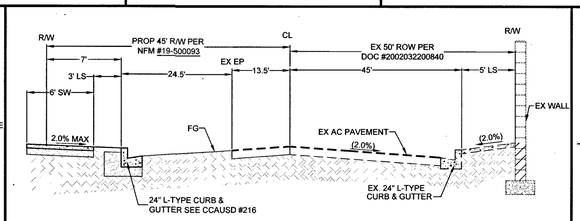
SECTION H
ENTRANCE DETAIL



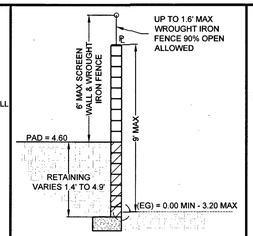
SECTION I
NORTHWEST CORNER
NTS



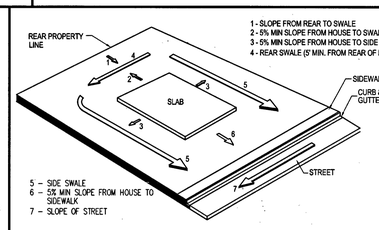
SECTION J
NORTHWEST CORNER
NTS



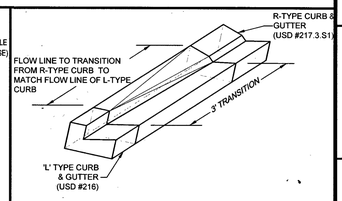
SECTION K - INTERIM FORT APACHE RD SECTION (PUBLIC)
NTS



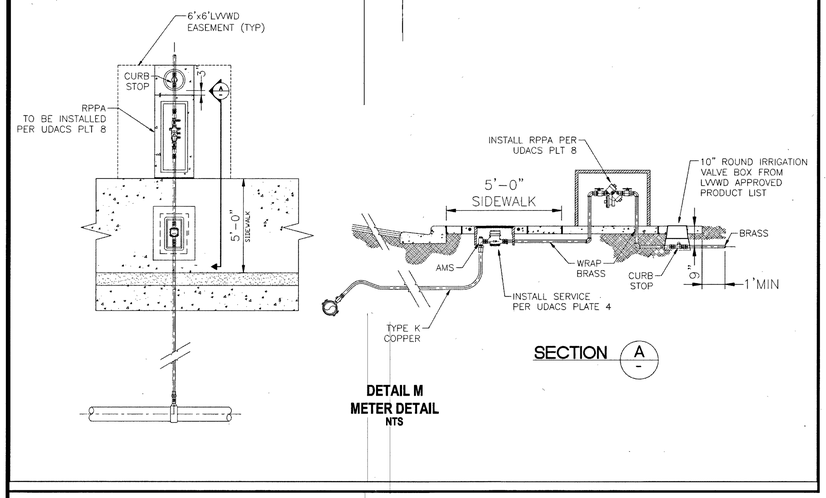
SECTION L
NORTH BOUNDARY
NTS



TYPICAL GRADING DETAIL
TYPE A
NTS



DETAIL N
TRANSITION FROM R-TYPE
TO L-TYPE CURB



DETAIL M
METER DETAIL
NTS

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6/25/19
LVVWD APPROVED FIRE FLOW: 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 0 GPM

FAST Call before you Underground 1-702-432-5300 FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

Avoid overhead power line contact, it's costly. 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

NO.	DESCRIPTION	BY	SHTS	APPR.	DATE
	REVISIONS				

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-8588 FAX:

TANEY ENGINEERING
8872 S. JONES BLVD
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-3233

EST. 2000

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

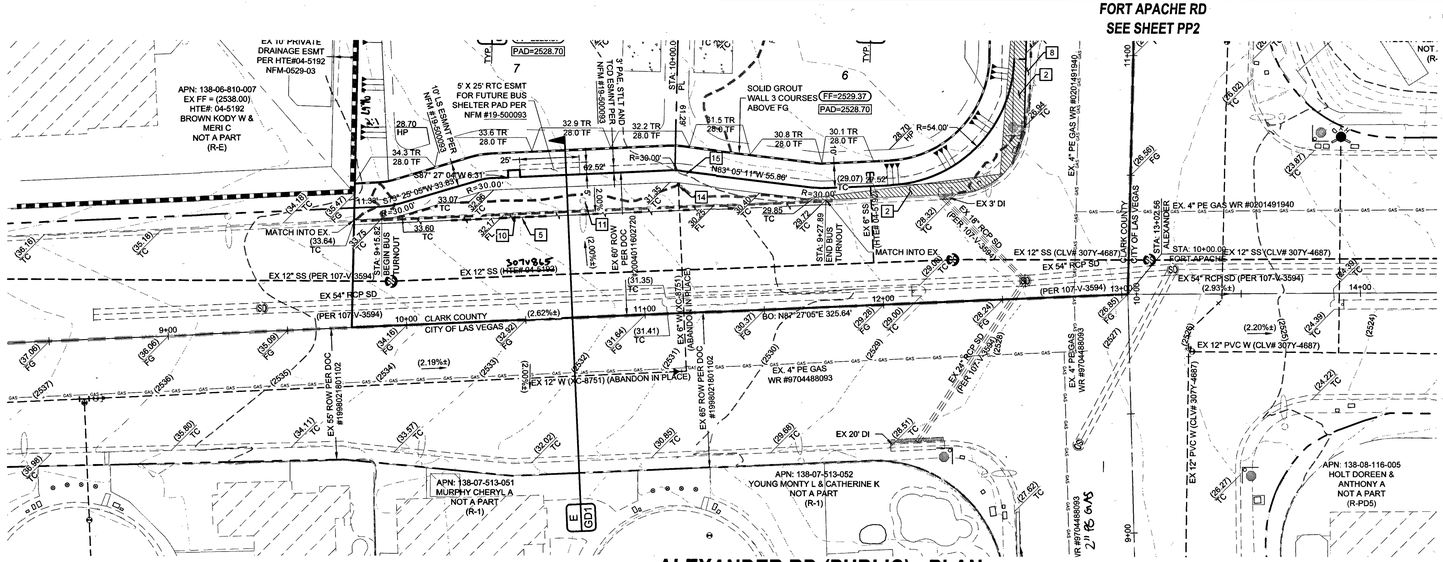
GRADING DETAILS

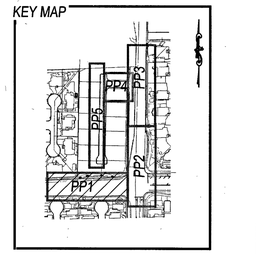
REGISTERED PROFESSIONAL ENGINEER S. JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841 STATE OF NEVADA

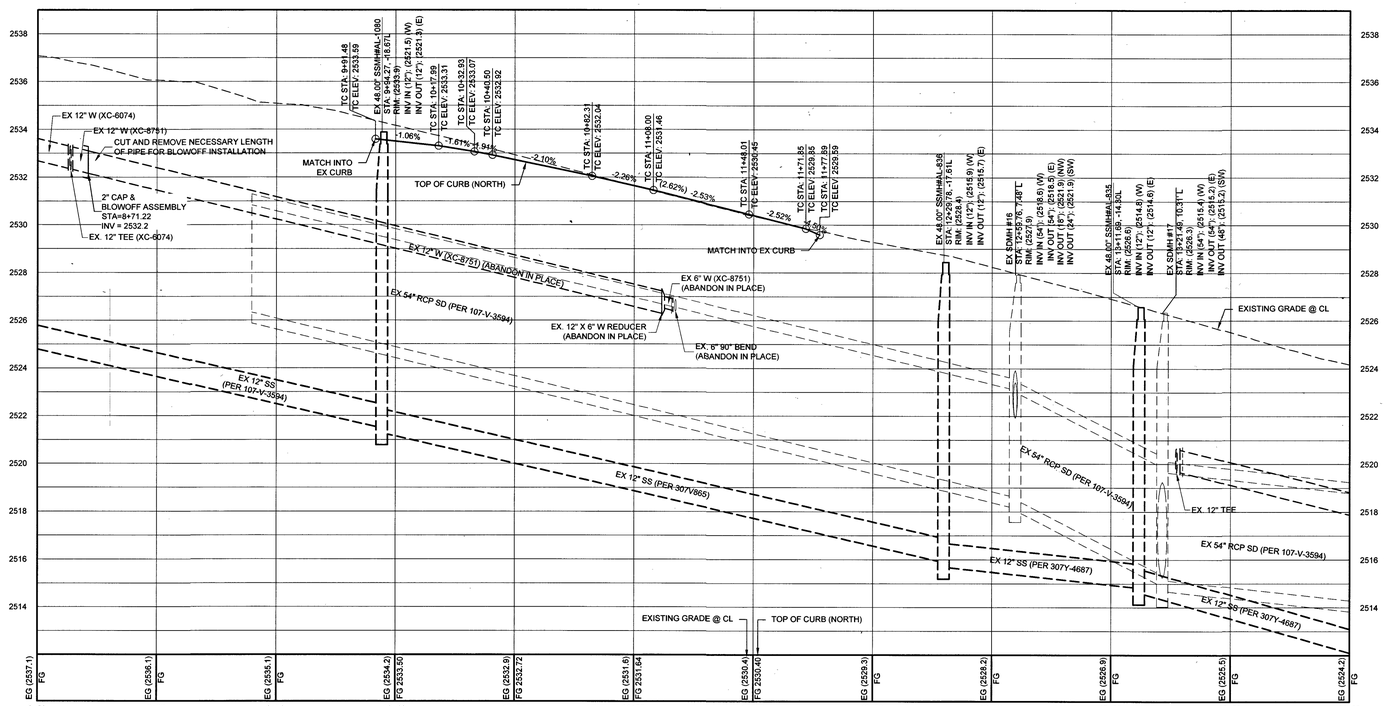
DATE:	5/20/2019
SCALE:	NTS
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	GD1
SHEET NUMBER:	05 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

PRO.#:126326A QS:138-06-SE

FILE NAME:







ALEXANDER RD (PUBLIC) - PROFILE
STA: 9+50.00 TO 14+00.00
SCALE: 1"=30' HORIZONTAL; 1"=3' VERTICAL

CONSTRUCTION NOTES
1. 24" R-TYPE CURB (CCAUSD #217.3.S1)
2. SIDEWALK (CCAUSD #234)
3. 2" AC PAVEMENT OVER 4" TYPE II PER SOILS REPORT (PW18-19574)
4. NOT USED
5. SAWCUT & MATCH EXISTING AC PAVEMENT (CCAUSD #500.3 & #500.5)
6. 8.0' CROSS GUTTER (CCAUSD #228)
7. REMOVE EX RIP RAP
8. 24" L-TYPE CURB & GUTTER (PER CCAUSD #216)
9. CONSTRUCT 16' DRIVEWAY (PER CCAUSD #223)
10. EX CURB TO BE REMOVED
11. EX STLT TO BE RELOCATED
12. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=9.5', B=4.5'
13. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=8', B=8'
14. EX BLOWOFF VALVE TO BE REMOVED
15. INSTALL TYPICAL BUS TURN-OUT PER CCAUSD 234.1
16. REMOVE EX RIP RAP AND INSTALL 6" CONCRETE OVER 6" TYPE II DRAINAGE CHANNEL
17. CUT OFF WALL (SEE J/GD1)
18. L-TYPE CURB TO R-TYPE CURB 3' TRANSITION (SEE CCAUSD# 223, DETAIL N/GD1)
19. TRENCH & BACKFILL (CCAUSD #503)
20. INSTALL 8" WIDE EDGE LINE
2. INSTALL 48" STANDARD MANHOLE W/ SINGLE 24" LID (DCSWCS SD-1A, SD-1B, & SD-4)
10. PROTECT EXISTING MANHOLE IN PLACE. CORE NEW INVERT FOR PROPOSED LINE

SVZ NOTE
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27' INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

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BENCHMARK
CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

PROFILE NOTES
ADD 2500 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

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BASIS OF BEARING
S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

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FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

GEOTECHNICAL
GEOTEK RESIDENTIAL, LLC
6538 SOUTH ESCONDIDO ST, SUITE B
LAS VEGAS, NV 89119
(702) 897-1424

REPORT NO: 14051-LVR
DATE: 04/26/2019

DEPTH OF COVER DURING CONSTRUCTION
MAINTAIN MINIMUM TWENTY-FOUR (24) INCH COVER PER UDACS SECTION 2.08.04. GRADING MUST BE COMPLETED PRIOR TO WATERLINE INSTALLATION.

WATER MAIN JOINT DEFLECTION NOTE (PVC 4"-24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

ACCEPTANCE OF PLANS
Jamie Hash 5/23/19
SOUTHWEST GAS CORPORATION — DATE

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW: 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 0 GPM

CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY _____ DATE

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

NO.	DESCRIPTION	BY	SH'TS.	APPR.	DATE
	REVISIONS				

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-8588 FAX:

TANEY ENGINEERING
8030 S. KONES BOULEVARD
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

EST. 2000

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

PLAN AND PROFILE 1
ALEXANDER RD
STA: 9+50 TO 14+00

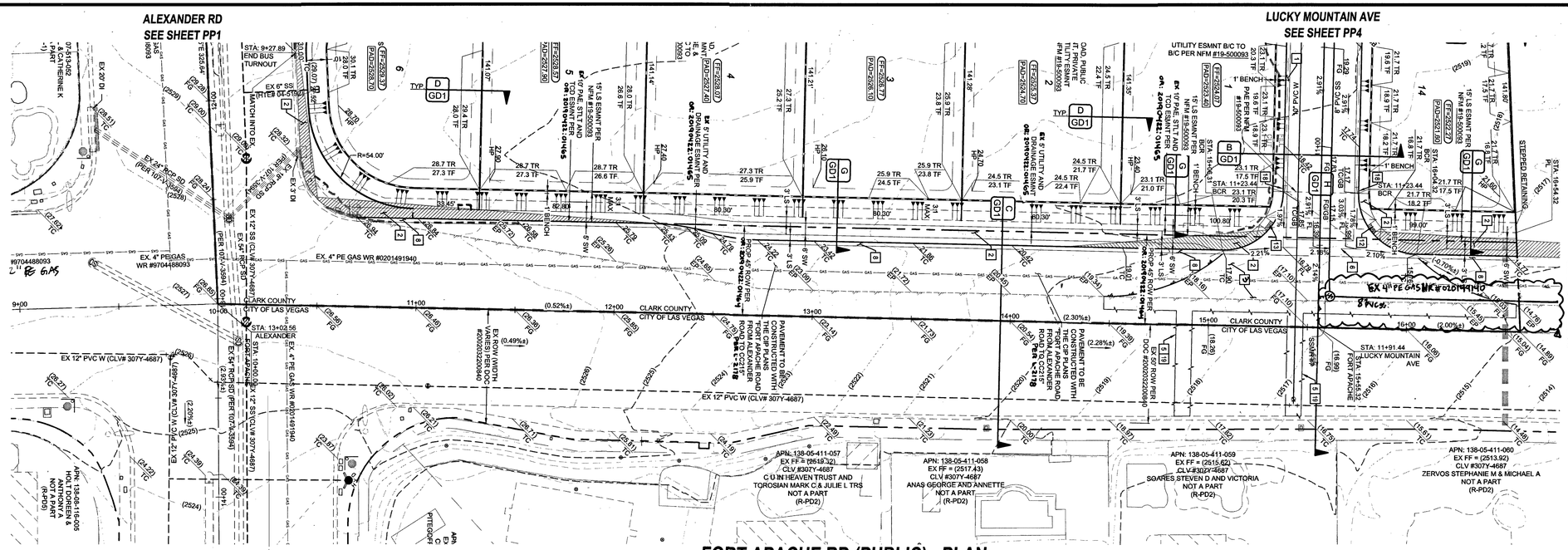
S. JUSTIN THORNE Exp. 06-30-20 CIVIL NO. 22841 — PROFESSIONAL ENGINEER — STATE OF NEVADA

DATE: 5/20/2019
SCALE: 1"=30'
JOB NO: ADV-17-073
DESIGNED BY: RJB CHECKED BY: SJT
SHEET NAME: PP1
SHEET NUMBER: 06 OF 16
IA# A18-00017
CLV L18-02565
CC PW18-19519

PRO.#:126326A QS:138-06-SE

FILE NAME:

307V1170


ALEXANDER RD
SEE SHEET PP1
LUCKY MOUNTAIN AVE
SEE SHEET PP4
FORT APACHE RD
MATCHLINE SEE SHEET PP3
STA: 9+27.89
END BUS TURNOUT
EX 6" SS
(MATCH INTO EX)
EX 20' DI
EX 24" RCP SD
(PER 107-V-3594)
EX 12" SS (CLV# 307Y-4687)
EX 54" SD
(PER 107-V-3594)
EX. 4" PE GAS WR #0201491940
#9704488093
EX 12" PVC W (CLV# 307Y-4687)
CLARK COUNTY
CITY OF LAS VEGAS
STA: 13+03.56
ALEXANDER
STA: 15+45.12
FORT APACHE
STA: 11+91.44
LUCKY MOUNTAIN AVE
EX ROW (WIDTH VARIES) PER DOC #20030322200940
PAVEMENT TO BE CONSTRUCTED WITH THE CIP PLANS FOR FORT APACHE ROAD FROM ALEXANDER ROAD TO CC215
EX 10' PNE, STLT AND PUBLIC IT, PRIVATE UTILITY ESMNT NFM #19-500093
EX 15' LS ESMNT PER NFM #19-500093
EX 5' UTILITY AND DRAINAGE ESMNT
DOC 20040421:01445
DOC 20040421:01446
DOC 20040421:01447
DOC 20040421:01448
DOC 20040421:01449
DOC 20040421:01450
DOC 20040421:01451
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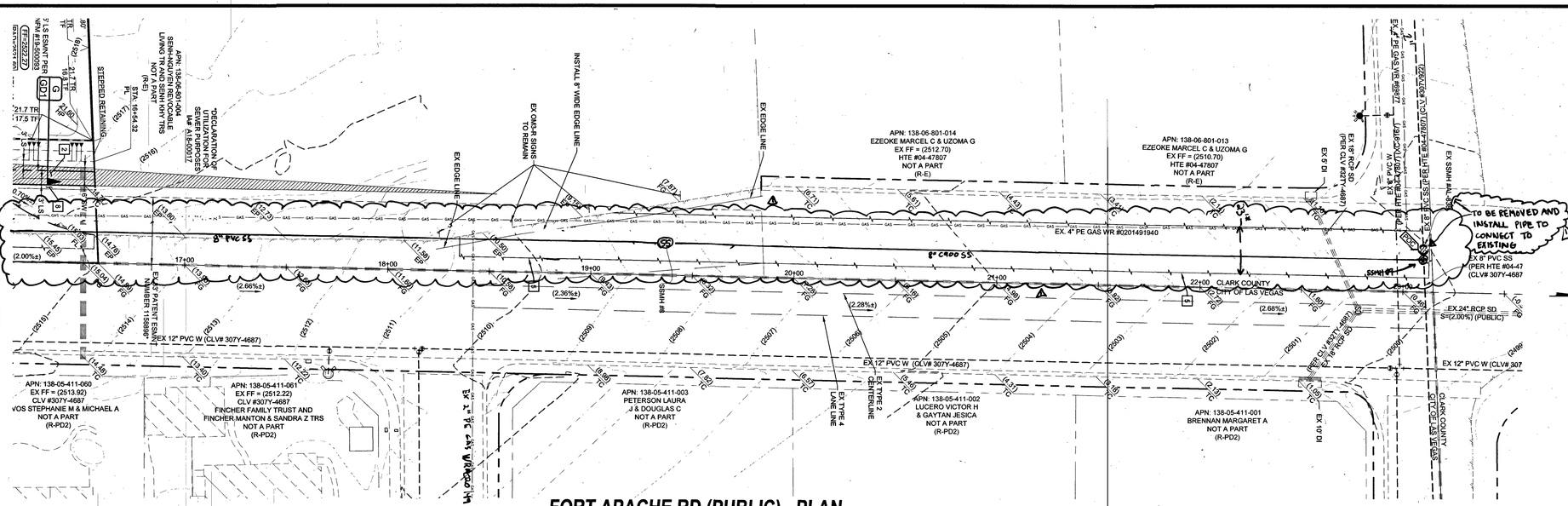
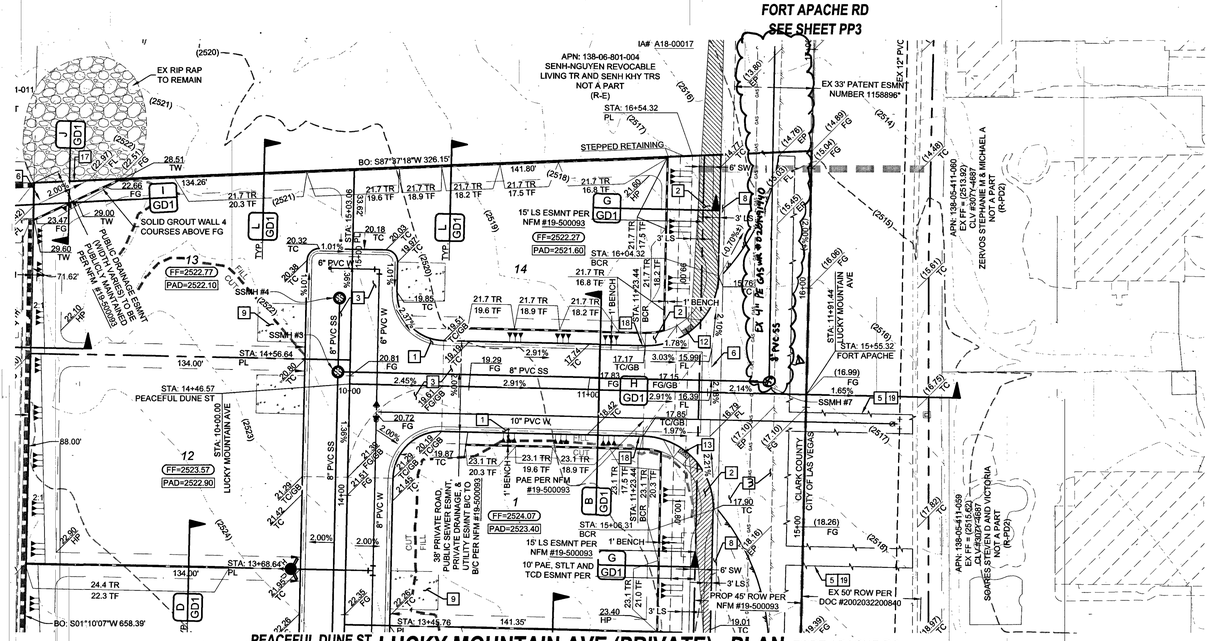
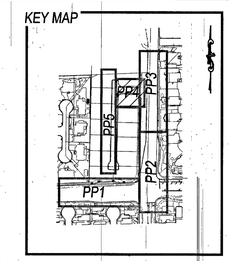

FORT APACHE RD
MATCHLINE SEE SHEET PP2
EX EDGE LINE
INSTALL 8" WIDE EDGE LINE
EX OMS-R SIGNS TO REMAIN
APN: 138-06-801-014
EZEOKE MARCEL C & UZOMA G
EX FF = (2512.70)
HTE #04-47807
NOT A PART
(R-E)
APN: 138-06-801-013
EZEOKE MARCEL C & UZOMA G
EX FF = (2510.70)
HTE #04-47807
NOT A PART
(R-E)
EX. 4" PE GAS WR #0201491940
8" PVC SS
8" C900 SS
TO BE REMOVED AND INSTALL PIPE TO CONNECT TO EXISTING
EX 8" PVC SS (PER HTE #04-47 (CLV# 307Y-4687
CLARK COUNTY
CITY OF LAS VEGAS
EX.24" RCP SD S=(2.00%) (PUBLIC)
EX 12" PVC W (CLV# 307Y-4687)
APN: 138-05-411-060
EX FF = (2513.90)
CLV #307Y-4687
VOS STEPHANIE M & MICHAEL A
NOT A PART
(R-PD2)
APN: 138-05-411-061
EX FF = (2512.22)
CLV #307Y-4687
FINCHER FAMILY TRUST AND
FINCHER,MANTON & SANDRA Z TRS
NOT A PART
(R-PD2)
APN: 138-05-411-003
PETERSON LAURA
J & DOUGLAS C
NOT A PART
(R-PD2)
APN: 138-05-411-002
LUCERO VICTOR H
& GAYTAN JESICA
NOT A PART
(R-PD2)
APN: 138-05-411-001
BRENNAN MARGARET A
NOT A PART
(R-PD2)
EX TYPE 4 LANE LINE
EX TYPE 2 CENTERLINE
EX 10' DI
EX 6' DI
EX 8" PE GAS WR #0201491940
EX 4" PE GAS WR #0201491940
EX SSMH #8
EX SSMH #9
EX 8" PVC SS (PER CLV #307Y-4687)
EX 8" PVC SS (PER CLV #307Y-4687)
EX 18" RCP SD (PER CLV #307Y-4687)
EX 12" PVC W (CLV# 307
EX 8" PVC SS (PER CLV #307Y-4687)
EX 8" PVC SS (PER CLV #307Y-4687)
EX 8" PVC SS (PER CLV #307Y-4687)



LUCKY MOUNTAIN AVE (PRIVATE) - PROFILE
STA: 9+50.00 TO 12+00.00
SCALE: 1"=30' HORIZONTAL; 1"=3' VERTICAL



SCALE: 1" = 30'
30' 15' 30' 60' 90'

CONSTRUCTION NOTES
1. 24" R-TYPE CURB (CCAUSD #217.3.S1)
2. SIDEWALK (CCAUSD #234)
3. 2" AC PAVEMENT OVER 4" TYPE II PER SOILS REPORT (PW18-19574)
4. —
5. SAWCUT & MATCH EXISTING AC PAVEMENT (CCAUSD #500.3 & #500.5)
6. 8.0' CROSS GUTTER (CCAUSD #228)
7. REMOVE EX RIP RAP
8. 24" L-TYPE CURB & GUTTER (PER CCAUSD #216)
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13. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=8', B=8'
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15. INSTALL TYPICAL BUS TURN-OUT PER CCAUSD 234.1
16. REMOVE EX RIP RAP AND INSTALL 6" CONCRETE OVER 6" TYPE II DRAINAGE CHANNEL
17. CUT OFF WALL (SEE J/GD1)
18. L-TYPE CURB TO R-TYPE CURB 3' TRANSITION (SEE CCAUSD# 223, DETAIL N/GD1)
19. TRENCH & BACKFILL (CCAUSD #503)
20. INSTALL 8" WIDE EDGE LINE
2. INSTALL 48" STANDARD MANHOLE W/ SINGLE 24" LID (CCSS #401.1 & SD #401.1)
10. ~~INSTALL 48" STANDARD MANHOLE W/ CAST-IN-PLACE MANHOLE BASE (CCSWSSD-7 and SD-4)~~

NO.	DESCRIPTION	BY	APPR.	DATE
	REVISIONS			
4	MOVED ST. IN FORT APACHE 5' EAST.	1-18	PPH	5-6-19

ADAVEN HOMES
3425 CLIFF HANGING PKWY
LAS VEGAS, NV 89129
(702) 385-8588 FAX:

TANEY ENGINEERING
6030 S. JONES BOULEVARD
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-3233

EST. 2000

FORT APACHE & ALEXANDER A RESIDENTIAL SUBDIVISION

PLAN AND PROFILE 4 LUCKY MOUNTAIN AVE STA: 9+50 TO 12+00

S. JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841

DATE: 5/20/2019
SCALE: 1"=30'
JOB NO: ADV-17-073
DESIGNED BY: RJB CHECKED BY: SJT
SHEET NAME: PP4
SHEET NUMBER: 09 OF 16
IA#: A18-00017
CLV: L18-02565
CC: PW18-19519
PROJ.#:126326A QS:138-06-5E

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BENCHMARK
CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

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(702) 897-1424

REPORT NO: 14051-LVR
DATE: 04/26/2019

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ACCEPTANCE OF PLANS
Jamie Hash 5/23/19
SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW: 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW @ GPM

PROFESSIONAL ENGINEER STATE OF NEVADA S. JUSTIN THORNE Exp: 6/30/20 CIVIL No. 22841 11/7/19
FOR REV ⚠ ONLY

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CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY _____ DATE

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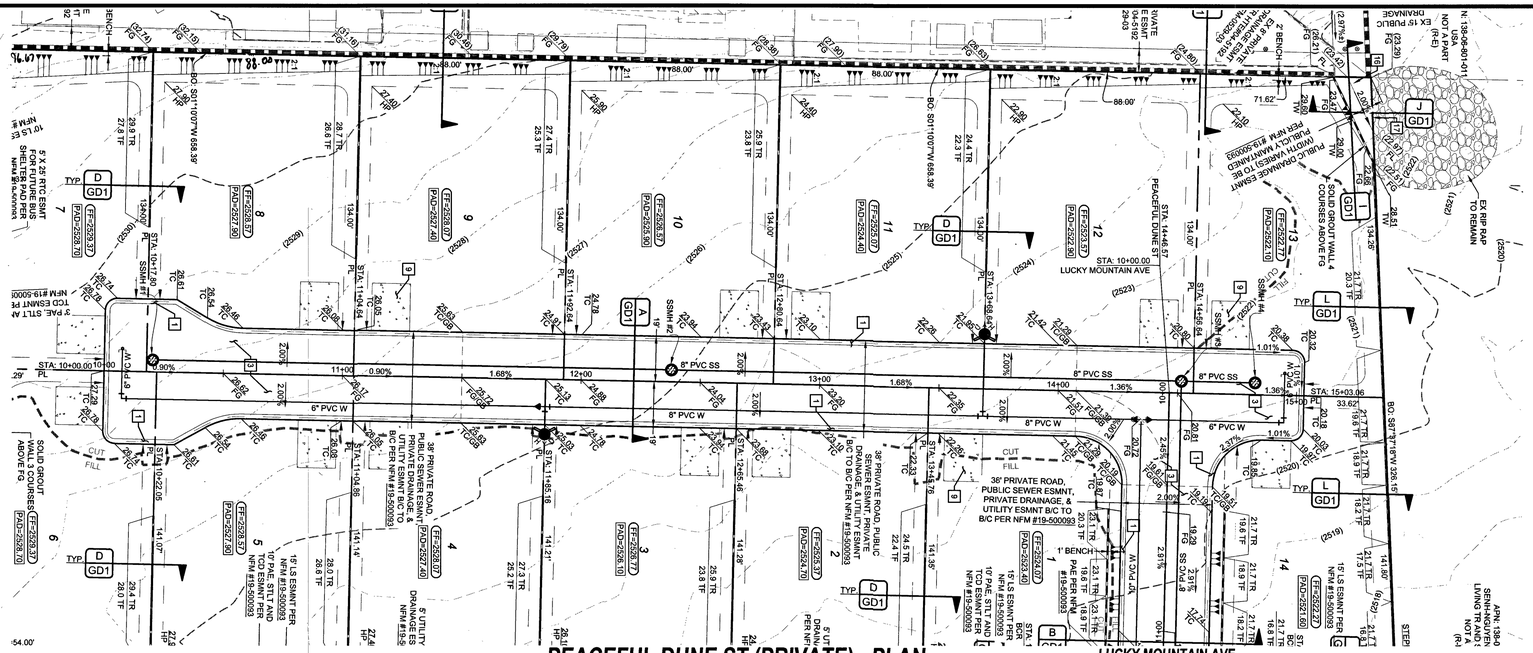
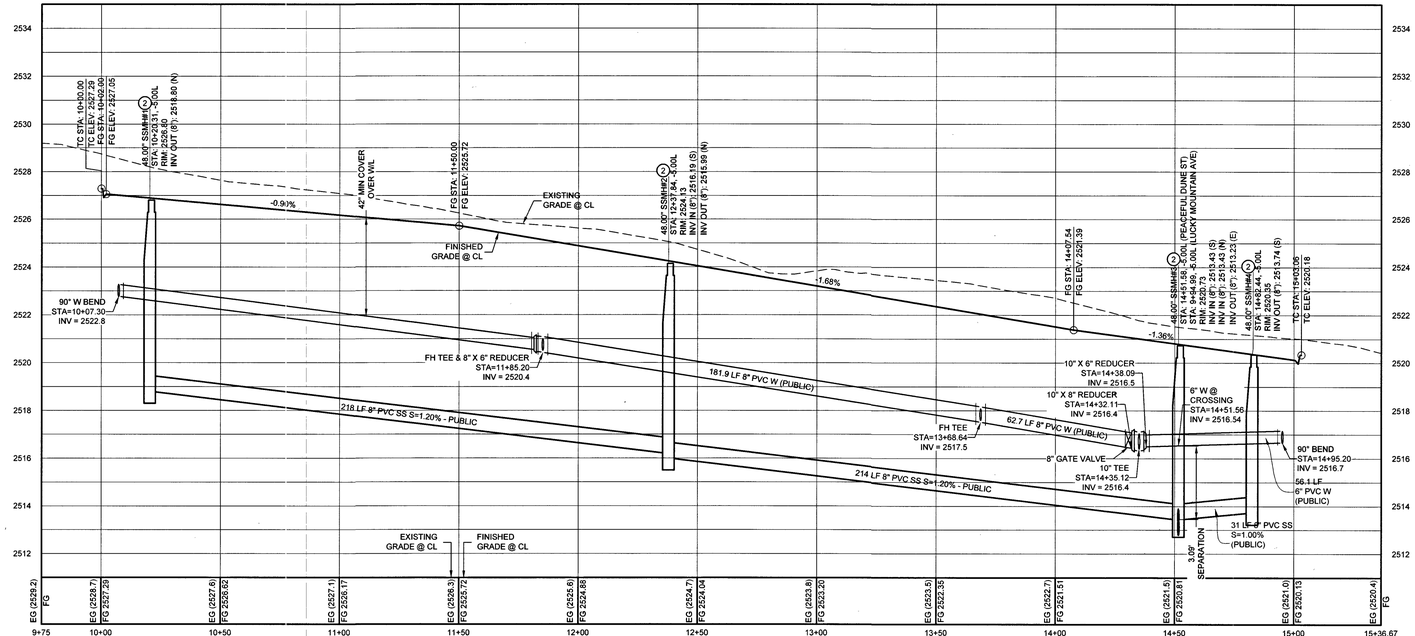
FILE NAME: 30711130

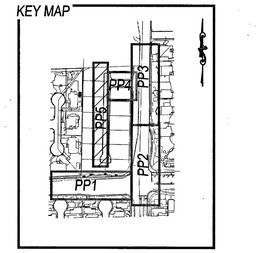


PEACEFUL DUNE ST (PRIVATE) - PLAN
STA: 10+00.00 TO 15+00.00

LUCKY MOUNTAIN AVE
SEE SHEET PP4



PEACEFUL DUNE (PRIVATE) - PROFILE
STA: 10+00.00 TO 15+00.00
SCALE: 1"=30' HORIZONTAL; 1"=3' VERTICAL



SCALE: 1" = 30'
30' 15' 30' 60' 90'

CONSTRUCTION NOTES

1. 24" R-TYPE CURB (CCAUSD #217.3.S1)
2. SIDEWALK (CCAUSD #234)
3. 2" AC PAVEMENT OVER 4" TYPE II PER SOILS REPORT (PW18-19574)
4.
5. SAWCUT & MATCH EXISTING AC PAVEMENT (CCAUSD #500.3 & #500.5)
6. 8.0' CROSS GUTTER (CCAUSD #228)
7. REMOVE EX RIP RAP
8. 24" L-TYPE CURB & GUTTER (PER CCAUSD #216)
9. CONSTRUCT 16' DRIVEWAY (PER CCAUSD #223)
10. EX CURB TO BE REMOVED
11. EX STLT TO BE RELOCATED
12. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=9.5', B=4.5'
13. INSTALL SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (CCAUSD #235 CASE I) A=8', B=8'
14. EX BLOWOFF VALVE TO BE REMOVED
15. INSTALL TYPICAL BUS TURN-OUT PER CCAUSD 234.1
16. REMOVE EX RIP RAP AND INSTALL 6" CONCRETE OVER 6" TYPE II DRAINAGE CHANNEL
17. CUT OFF WALL (SEE J/GD1)
18. L-TYPE CURB TO R-TYPE CURB 3' TRANSITION (SEE CCAUSD# 223, DETAIL N/GD1)
19. TRENCH & BACKFILL (CCAUSD #503)
20. INSTALL 8" WIDE EDGE LINE

(2) INSTALL 48" STANDARD MANHOLE W/ SINGLE 24" LID (DCSWCS SD-1A, SD-1B, & SD-4)

(10) PROTECT EXISTING MANHOLE IN PLACE. CORE NEW INVERT FOR PROPOSED LINE

SVZ NOTE
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

GEOTECHNICAL
GEOTEK RESIDENTIAL, LLC
6538 SOUTH ESCONDIDO ST, SUITE B
LAS VEGAS, NV 89119
(702) 897-1424

REPORT NO: 14051-LVR
DATE: 04/26/2019

UTILITY DISCLAIMER
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 EXISTING LOCATIONS.

BENCHMARK
CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

PROFILE NOTES
ADD 2500 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

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 GOVERNING ENTITY.

BASIS OF BEARING
S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

Avoid overhead power line contact. It's costly.
Call before you Overhead
1-702-227-2929

Call before you Dig
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CALL 811 OR 1-800-227-2600

FAST
Call before you Underground
1-702-432-5300
FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

DEPTH OF COVER DURING CONSTRUCTION
MAINTAIN MINIMUM TWENTY-FOUR (24) INCH COVER PER UDACS SECTION 2.08.04. GRADING MUST BE COMPLETED PRIOR TO WATERLINE INSTALLATION.

WATER MAIN JOINT DEFLECTION NOTE (PVC 4"-24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 9 GPM

CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY _____ DATE

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

NO.	DESCRIPTION	BY	SHTS.	APPR.	DATE
	REVISIONS				

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-8588 FAX:

TANEY ENGINEERING
8530 S. IONES BOULEVARD
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

PLAN AND PROFILE 5
PEACEFUL DUNE ST
STA: 10+00 TO 15+00

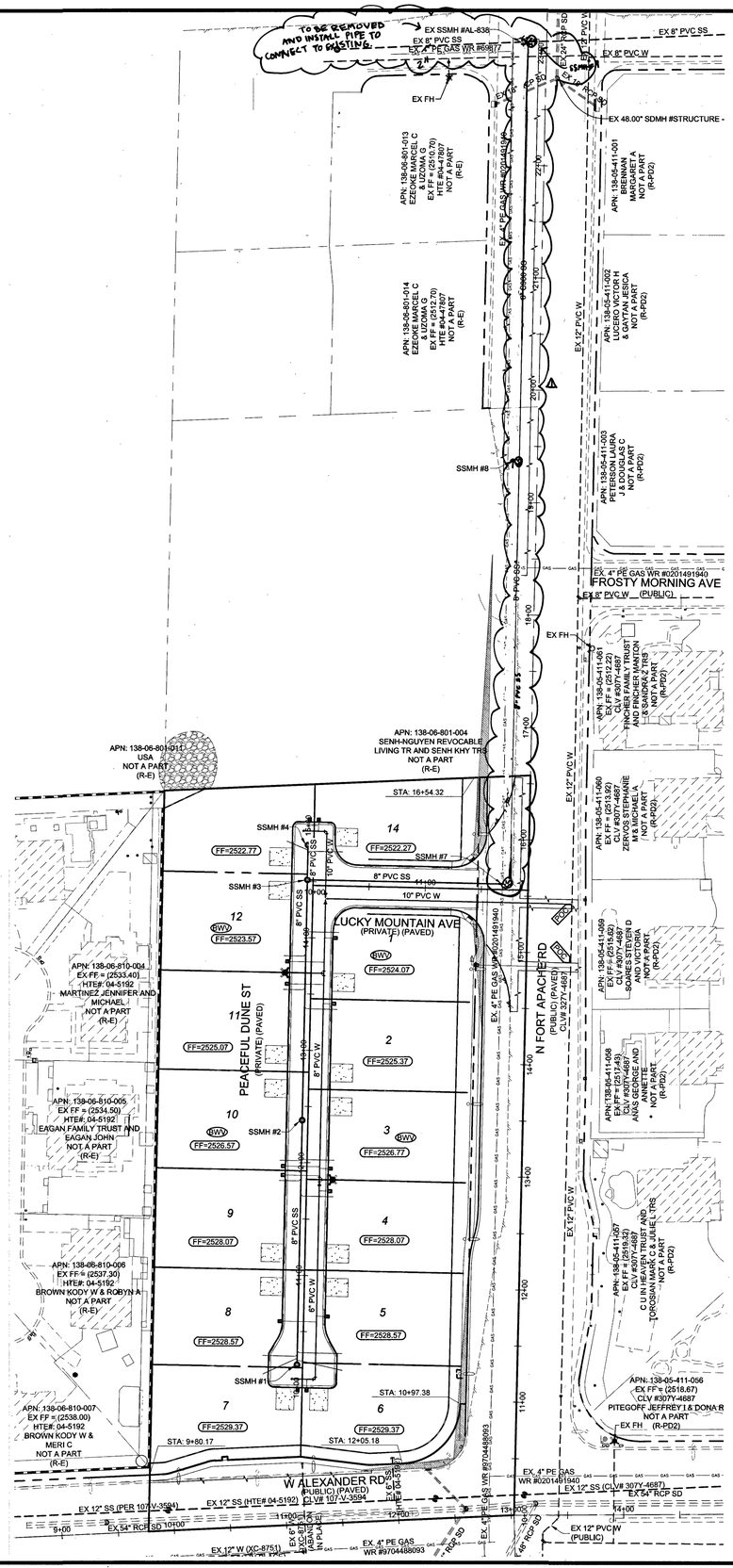
EST. 2000

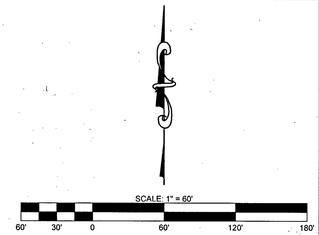
S. JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841 STATE OF NEVADA REGISTERED PROFESSIONAL ENGINEER

DATE:	5/20/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	PP5
SHEET NUMBER:	10 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

PROJ#: 126326A OS: 138-06-SE

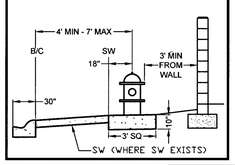
FILE NAME:





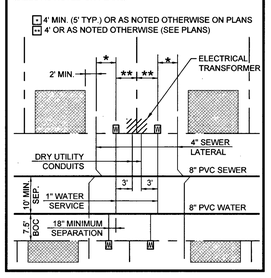
TYPICAL FIRE HYDRANT LAYOUT

PER UDACS PLATE NO. 40



TYPICAL LATERAL LAYOUT N.T.S

FOR LOTS LESS THAN 70' WIDE UNLESS OTHERWISE NOTED
(SIZES AS NOTED ON PLANS)



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 2,000 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:
LIVABLE AREA: 4,999 SQ FT
AREA UNDER ROOF: 4,999 SQ FT
LARGEST AREA BETWEEN SEPARATE WALLS: N/A
HEIGHT: 29-FT
TYPE OF CONSTRUCTION: V-B
SPRINKLER SYSTEM: NO
OCCUPANCY: R-3
ROOF CONSTRUCTION: TILE
STORIES: 2
HIGH PILED COMBUSTIBLE STORAGE: NO
ESFR SYSTEM: NO

UTILITY NOTES

1. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION.
2. FIRE, WATER, AND SEWER SERVICES, AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVICE ADDITIONAL PARCELS OR STRUCTURES WHICH MAY BE CREATED IN THE FUTURE. IN THE EVENT THAT THE PARCELS AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE FIRE, WATER, & SEWER SERVICES TO EACH.
3. WATER AND SEWER LATERALS SHALL BE INSTALLED A MINIMUM OF 48" APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF 12" ABOVE THE SEWER LATERAL. (REF. UNIFORM PLUMBING CODE)
4. LOCATOR RIBBON SHALL BE USED FOR ALL SERVICE LATERALS NOT PERPENDICULAR TO THE MAIN. (TYPICAL)
5. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
6. 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 CLARK COUNTY.
7. ALL ONSITE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED.
8. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING. (UDACS PLT 15.)
9. 3' MIN. HORIZONTAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES PER UDACS SECTION 2.04.02
10. 12" MIN. VERTICAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES AND 6" MIN. BETWEEN WATER LATERALS AND DRY UTILITIES PER UDACS SECTION 2.04.06

UTILITY DISCLAIMER

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BASIS OF BEARING

S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA

BENCHMARK

CLV BM# 64 STA 9LV007WNES
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

FAST Call before you Underground 1-702-432-5300 FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

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JUSTIN THORNE Exp: 6/30/20 CIVIL No. 22841 STATE OF NEVADA PROFESSIONAL ENGINEER
5/7/19
FOR REV △ ONLY

WATER MAIN JOINT DEFLECTION NOTE (PVC 4"-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

NO.	DESCRIPTION	BY	SHTS.	APPR.	DATE
	REVISIONS				
1	MOVED SS N. PORT MARKS 5' EAST	RJB	MUT1	SJT	5/7/19

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-8588 FAX:

TANEY ENGINEERING
6030 S. JONES BOULEVARD
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5333

EST. 2000

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

MASTER UTILITY PLAN

JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841 STATE OF NEVADA PROFESSIONAL ENGINEER
5/21/19

DATE:	5/20/2019
SCALE:	1"=60'
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	MUT1
SHEET NUMBER:	11 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

PROJ#: 126326A QS:138-06-SE

ACCEPTANCE OF PLANS

Jamie Hursh 5/23/19
SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

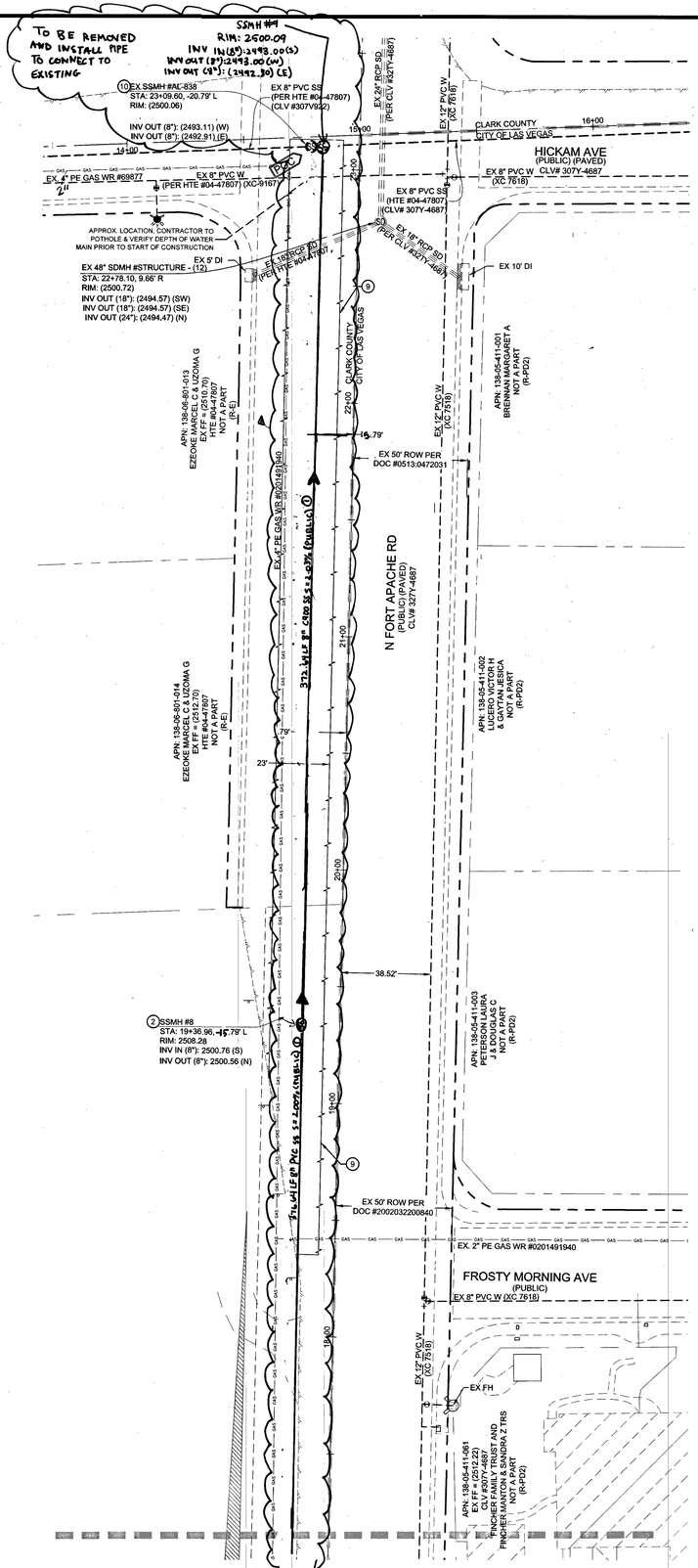
5-31-19
CLARK COUNTY FIRE DEPARTMENT
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW = 2,000 G.P.M. AT 20 PSI RESIDUAL. FP18-13323

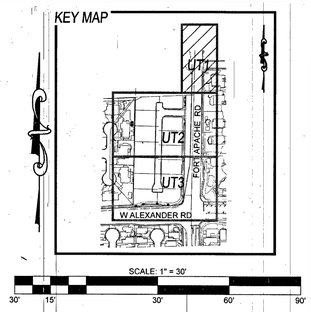
APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 0 GPM

FILE NAME:

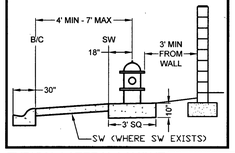
3071170





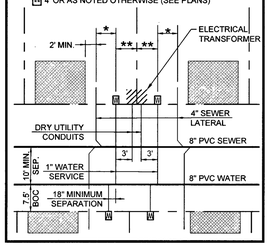
TYPICAL FIRE HYDRANT LAYOUT

PER UDACS PLATE NO. 40



TYPICAL LATERAL LAYOUT N.T.S

FOR LOTS LESS THAN 70' WIDE UNLESS OTHERWISE NOTED (SIZES AS NOTED ON PLANS)



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 2,000 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

LIVABLE AREA: 4,999 SQ FT	OCCUPANCY: R-3
AREA UNDER ROOF: 4,999 SQ FT	ROOF CONSTRUCTION: TILE
LARGEST AREA BETWEEN SEPARATE WALLS: N/A	STORIES: 2
HEIGHT: 29-FT	HIGH PILED COMBUSTIBLE STORAGE: NO
TYPE OF CONSTRUCTION: V-B	ESFR SYSTEM: NO
SPRINKLER SYSTEM: NO	

UTILITY NOTES

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4. LOCATOR RIBBON SHALL BE USED FOR ALL SERVICE LATERALS NOT PERPENDICULAR TO THE MAIN. (TYPICAL)
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7. ALL ONSITE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED.
8. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING. (UDACS PLT 15.)
9. 3' MIN. HORIZONTAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES PER UDACS SECTION 2.04.02
10. 12" MIN. VERTICAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES AND 6" MIN. BETWEEN WATER LATERALS AND DRY UTILITIES PER UDACS SECTION 2.04.05

CONSTRUCTION NOTES

1. INSTALL 8" PVC SS (DCSWCS SD-17)
2. INSTALL 48" STANDARD MANHOLE W/ 24" SINGLE LID (DCSWCS SD-1A, SD-1B, & SD-4)
3. 4" SEWER LATERAL & CURB MARKING (DCSWCS SD-22)
4. 1" WATER SERVICE W/ 3/4" METER (UDACS PLATE NO. 3)
5. CAP AND 2" BLOW-OFF ASSEMBLY (UDACS PLATE NO. 36)
6. INSTALL 10" WATER TEE (UDACS PLT. 31)
7. POC - CONNECT TO EX. 12" WATER MAIN. INSTALL 10" TAPPING SLEEVE W/ 10" TAPPING VALVE (UDACS 2.24.01.B, PLT. 34 & 39)
8. INSTALL FIRE HYDRANT ASSEMBLY W/ 6" GATE VALVE (UDACS PLT. 40)
9. SAWCUT & MATCH INTO EXISTING AC PAVEMENT. (DCSWCS SD-14, SD-15, & SD-23)
10. ~~INSTALL 48" STANDARD MANHOLE W/ CAST-IN-PLACE MANHOLE BASE (DCSWCS SD-1 and SD-10)~~
11. INSTALL 8" X 6" REDUCER (UDACS PLT. 31)
12. INSTALL 90° BEND (UDACS PLT. 31)
13. 8" GATE VALVE (UDACS PLATE NO. 30 & 39)
14. 3" IRRIGATION SLEEVES
15. INSTALL 3/4" IRRIGATION METER W/ 1" RPPA (UDACS PLT. 4 & 8) (SEE DETAIL L/GD1)
16. INSTALL 10" X 8" REDUCER (UDACS PLT. 31)
17. INSTALL CURB STOP IN 2" BLOWOFF BOX
18. REMOVE 2" BLOWOFF COLLAR & ABANDON 2" BLOWOFF AT THE CORP STOP
19. INSTALL 1" TAPPING SLEEVE (UDACS 2.24.01.B, PLT. 34 & 39)

WATER MAIN JOINT DEFLECTION NOTE (PVC 4"-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

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BASIS OF BEARING

S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

ACCEPTANCE OF PLANS

SOUTHWEST GAS CORPORATION — Jamie Hanch — 5/23/19 DATE

APPROVED FOR CONSTRUCTION

CLARK COUNTY FIRE DEPARTMENT — 5-31-18
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW = 2,000 G.P.M. AT 20 PSI RESIDUAL. FF18-13323

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 0 GPM

S. JUSTIN THORNE Exp: 6/30/20 CIVIL No. 22841 PROFESSIONAL ENGINEER STATE OF NEVADA
11/7/19
FOR REV ONLY

NO.	DESCRIPTION	BY	SHTS.	APPR.	DATE
	REVISIONS				
4	MOVED SS IN FORT APACHE 5' EAST	RJB	UT1	SJT	5/20/19

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 395-8588 FAX:

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

EST. 2000

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

UTILITY PLAN 1

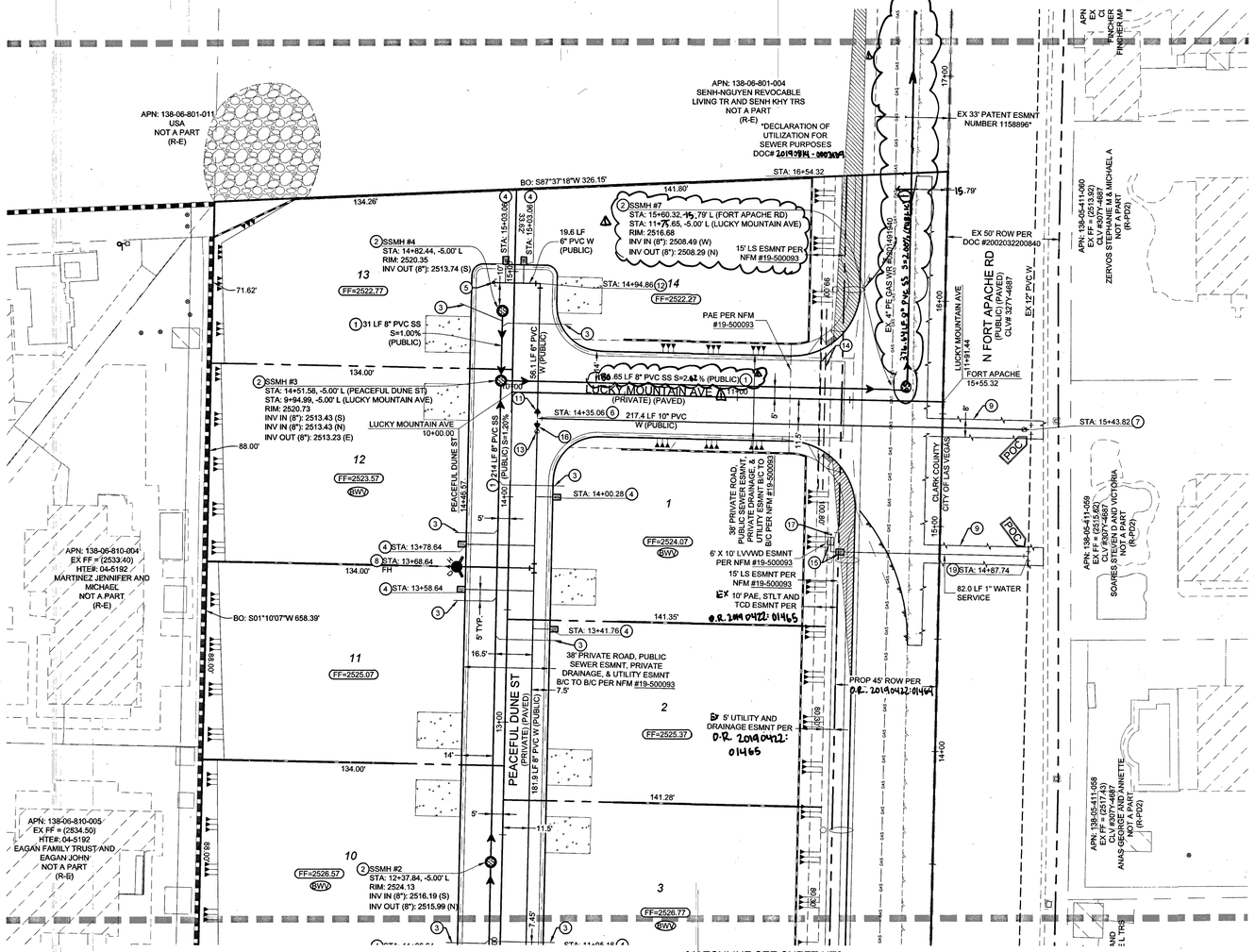
PROFESSIONAL ENGINEER STATE OF NEVADA S. JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841

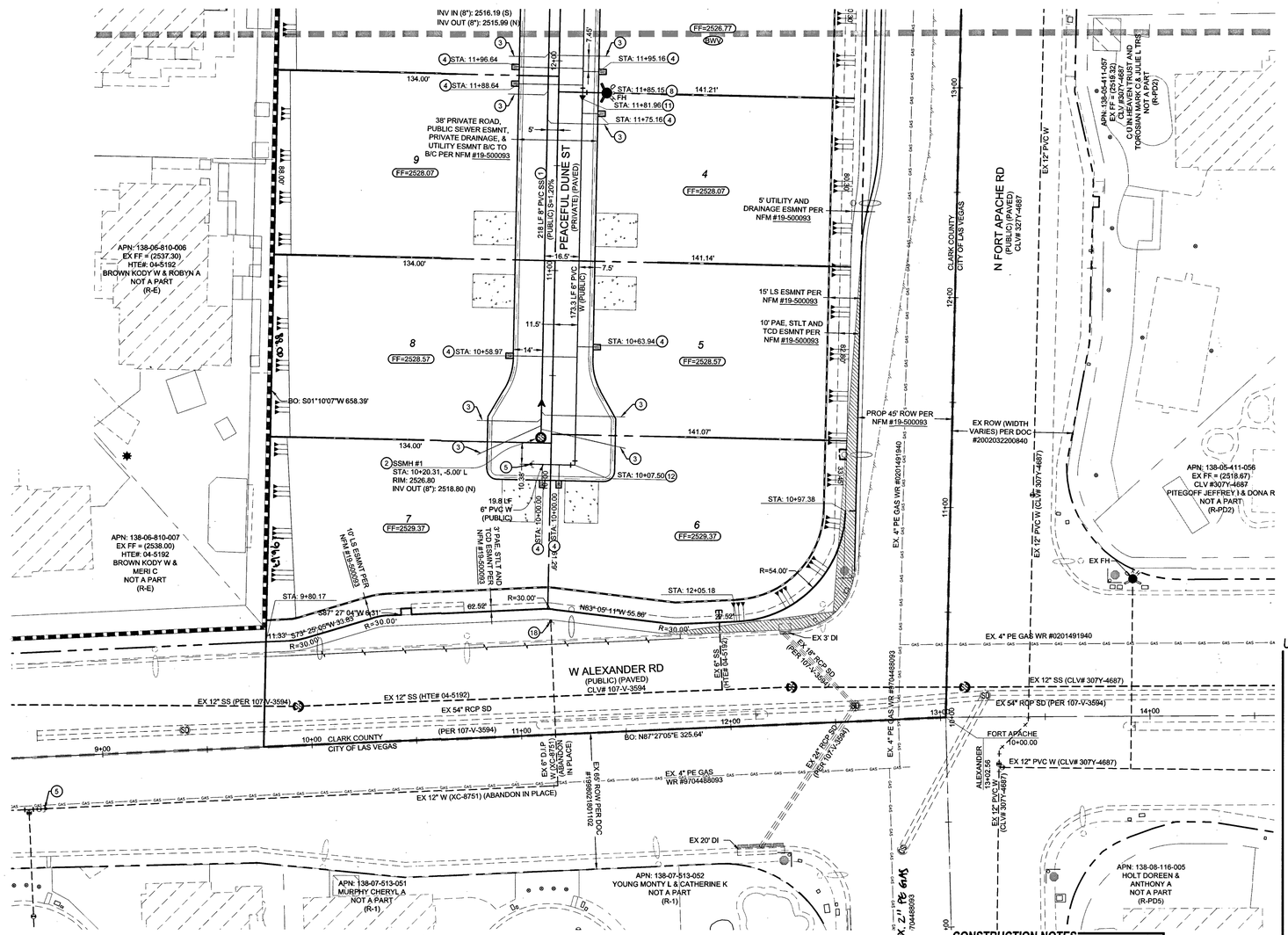
DATE:	5/20/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	UT1
SHEET NUMBER:	12 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

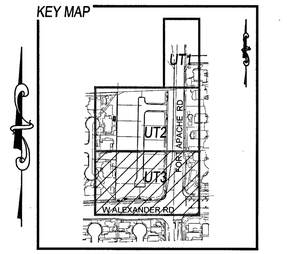
PROJ.#:126326A QS:138-06-SE

FILE NAME:

3071170


MATCHLINE SEE SHEET UT1
MATCHLINE SEE SHEET UT3
N FORT APACHE RD
(PUBLIC) (PAVED)
CLV #3277-4887
LUCKY MOUNTAIN AVE
(PRIVATE) (PAVED)
PEACEFUL DUNE ST
(PUBLIC) (PAVED)
FORT APACHE
15+55.32
LUCKY MOUNTAIN AVE
10+00.00
PEACEFUL DUNE ST
14+45.57
APN: 138-06-801-011
USA
NOT A PART
(R-E)
APN: 138-06-801-004
SENH-NGUYEN REVOCABLE
LIVING TR AND SENH KHY TRS
NOT A PART
(R-E)
*DECLARATION OF
UTILIZATION FOR
SEWER PURPOSES
DOC# 20190411-0003691
EX 33' PATENT ESMNT
NUMBER 1158896*
EX 50' ROW PER
DOC #20020322000840
APN: 138-06-411-060
EX FF = (2515.82)
CLV #3277-4887
ZERVOS STEPHANIE M & MICHAEL A
NOT A PART
(R-PD2)
EX 12" PVC W
EX 4" PE GAS V/R
APN: 138-06-411-059
EX FF = (2515.82)
CLV #2077-4887
SOARES STEVEN D AND VICTORIA
NOT A PART
(R-PD2)
APN: 138-06-411-058
EX FF = (2517.43)
CLV #2077-4887
ANAS-GEORGE AND JANETTE
NOT A PART
(R-PD2)
APN: 138-06-810-004
EX FF = (2533.40)
HTE#: 04-5192
MARTINEZ JENNIFER AND
MICHAEL
NOT A PART
(R-E)
APN: 138-06-810-005
EX FF = (2534.50)
HTE#: 04-5192
EAGAN FAMILY TRUST AND
EAGAN JOHN
NOT A PART
(R-E)
CLARK COUNTY
CITY OF LAS VEGAS
APN
CL
FINCHER
PINNEFER M*
W ALEXANDER RD
FORT APACHE RD
1 31 LF 8" PVC SS S=1.00% (PUBLIC)
2 SSMH #4
STA: 14+82.44, -5.00' L
RIM: 2520.35
INV OUT (8"): 2513.74 (S)
2 SSMH #3
STA: 14+51.58, -5.00' L (PEACEFUL DUNE ST)
STA: 9+94.99, -5.00' L (LUCKY MOUNTAIN AVE)
RIM: 2520.73
INV IN (8"): 2513.43 (S)
INV IN (8"): 2513.43 (N)
INV OUT (8"): 2513.23 (E)
2 SSMH #2
STA: 12+37.84, -5.00' L
RIM: 2524.13
INV IN (8"): 2516.19 (S)
INV OUT (8"): 2515.99 (N)
2 SSMH #7
STA: 15+60.32, -15.79' L (FORT APACHE RD)
STA: 11+72.65, -5.00' L (LUCKY MOUNTAIN AVE)
RIM: 2516.68
INV IN (8"): 2508.49 (W)
INV OUT (8"): 2508.29 (N)
15' LS ESMNT PER
NFM #19-500093
19.6 LF
6" PVC W
(PUBLIC)
68.1 LF 6" PVC
W (PUBLIC)
65 LF 8" PVC SS S=2.67% (PUBLIC)
217.4 LF 10" PVC
W (PUBLIC)
214 LF 8" PVC SS
S=1.20% (PUBLIC)
181.9 LF 8" PVC W (PUBLIC)
PAE PER NFM
#19-500093
38' PRIVATE ROAD,
PUBLIC SEWER ESMNT,
PRIVATE DRAINAGE, &
UTILITY ESMNT TO
B/C PER NFM #19-500093
6' X 10' LVVWD ESMNT
PER NFM #19-500093
15' LS ESMNT PER
NFM #19-500093
10' PAE, STLT AND
TCD ESMNT PER
O.R. 20190412: 01465
5' UTILITY AND
DRAINAGE ESMNT PER
O.R. 20190412:
01465
PROP 45' ROW PER
O.R. 20190412-01467
82.0 LF 1" WATER
SERVICE
STA: 14+87.74
STA: 15+43.82
POC
FF=2522.77
FF=2522.27
FF=2524.07
FF=2525.07
FF=2525.37
FF=2526.57
FF=2526.77
SWV
BO: S87°37'18"W 326.15'
BO: S01°10'07"W 658.39'
134.26'
141.80'
134.00'
141.35'
141.28'
71.62'
88.00'
15.79'
5' TYP.
16.5'
14'
11.5'
7.45'
5'
7.5'
100.68'
100.60'
100.66'
100.68'
100.68'
100.68



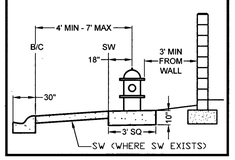


SCALE: 1" = 30'

30' 15' 30' 60' 90'

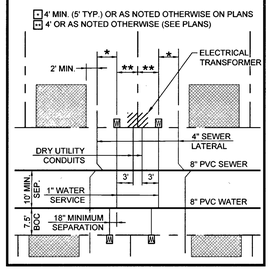
TYPICAL FIRE HYDRANT LAYOUT

PER UDACS PLATE NO. 40



TYPICAL LATERAL LAYOUT N.T.S.

FOR LOTS LESS THAN 70' WIDE UNLESS OTHERWISE NOTED (SIZES AS NOTED ON PLANS)



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 2,000 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

LIVABLE AREA: 4,999 SQ FT
AREA UNDER ROOF: 4,999 SQ FT
LARGEST AREA BETWEEN SEPARATE WALLS: N/A
HEIGHT: 29-FT
TYPE OF CONSTRUCTION: V-B
SPRINKLER SYSTEM: NO
OCCUPANCY: R-3
ROOF CONSTRUCTION: TILE
STORIES: 2
HIGH PILED COMBUSTIBLE STORAGE: NO
ESFR SYSTEM: NO

UTILITY NOTES

1. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION.
2. FIRE, WATER, AND SEWER SERVICES, AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVICE ADDITIONAL PARCELS OR STRUCTURES WHICH MAY BE CREATED IN THE FUTURE. IN THE EVENT THAT THE PARCELS AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE FIRE, WATER, & SEWER SERVICES TO EACH.
3. WATER AND SEWER LATERALS SHALL BE INSTALLED A MINIMUM OF 48" APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF 12" ABOVE THE SEWER LATERAL. (REF. UNIFORM PLUMBING CODE)
4. LOCATOR RIBBON SHALL BE USED FOR ALL SERVICE LATERALS NOT PERPENDICULAR TO THE MAIN. (TYPICAL)
5. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
6. 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 CLARK COUNTY.
7. ALL ONSITE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED.
8. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING. (UDACS PLT 15.)
9. 3' MIN. HORIZONTAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES PER UDACS SECTION 2.04.02
10. 12" MIN. VERTICAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES AND 6" MIN. BETWEEN WATER LATERALS AND DRY UTILITIES PER UDACS SECTION 2.04.06

CONSTRUCTION NOTES

1. INSTALL 8" PVC SS (DCSWCS SD-17)
2. INSTALL 48" STANDARD MANHOLE W/ 24" SINGLE LID (DCSWCS SD-1A, SD-1B, & SD-4)
3. 4" SEWER LATERAL & CURB MARKING (DCSWCS SD-22)
4. 1" WATER SERVICE W/ 3/4" METER (UDACS PLATE NO. 3)
5. CAP AND 2" BLOW-OFF ASSEMBLY (UDACS PLATE NO. 36)
6. INSTALL 10" WATER TEE (UDACS PLT. 31)
7. POC - CONNECT TO EX. 12" WATER MAIN. INSTALL 10" TAPPING SLEEVE W/ 10" TAPPING VALVE (UDACS 2.24.01.B, PLT. 34 & 39)
8. INSTALL FIRE HYDRANT ASSEMBLY W/ 6" GATE VALVE (UDACS PLT. 40)
9. SAWCUT & MATCH INTO EXISTING AC PAVEMENT (CCAUSD #500.3, 500.4, 500.5 & 503)
10. PROTECT EXISTING MANHOLE IN PLACE. CORE NEW INVERT FOR PROPOSED LINE
11. INSTALL 8" X 6" REDUCER (UDACS PLT. 31)
12. INSTALL 90° BEND (UDACS PLT. 31)
13. 8" GATE VALVE (UDACS PLATE NO. 30 & 39)
14. 3" IRRIGATION SLEEVES
15. INSTALL 3/4" IRRIGATION METER W/ 1" RPPA (UDACS PLT. 4 & 8) (SEE DETAIL L/GD1)
16. INSTALL 10" X 8" REDUCER (UDACS PLT. 31)
17. INSTALL CURB STOP IN 2" BLOWOFF BOX
18. REMOVE 2" BLOWOFF COLLAR & ABANDON 2" BLOWOFF AT THE CORP STOP
19. INSTALL 1" TAPPING SLEEVE (UDACS 2.24.01.B, PLT. 34 & 39)

WATER MAIN JOINT DEFLECTION NOTE (PVC 4"-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

FAST Call before you Underground 1-702-432-5300
FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Dig
Avoid cutting underground utility lines. It's costly.
CALL 811 OR 1-800-227-2600

Avoid overhead power line contact. It's costly.
Call before you Overhead 1-702-227-2929

UTILITY DISCLAIMER

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BASIS OF BEARING

S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

ACCEPTANCE OF PLANS

Jamie Hawsh — Jamie Hawsh — 5/23/19
SOUTHWEST GAS CORPORATION — DATE

APPROVED FOR CONSTRUCTION

5-31-19
CLARK COUNTY FIRE DEPARTMENT
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW = 2,000 G.P.M. AT 20 PSI RESIDUAL. FP18-13323

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT# 126326 FIRST APPROVED DATE 6-25-19
LVVWD APPROVED FIRE FLOW 2000 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 0 GPM

NO.	DESCRIPTION	BY	SHTS	APPR.	DATE
	REVISIONS				

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-6588 FAX:

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

EST. 2000

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

UTILITY PLAN 3

PROFESSIONAL ENGINEER — JUSTIN THORNE — Exp. 06-30-20 — CIVIL — No. 22841 — STATE OF NEVADA

DATE:	5/20/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY:	RJB
CHECKED BY:	SJT
SHEET NAME:	UT3
SHEET NUMBER:	14 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

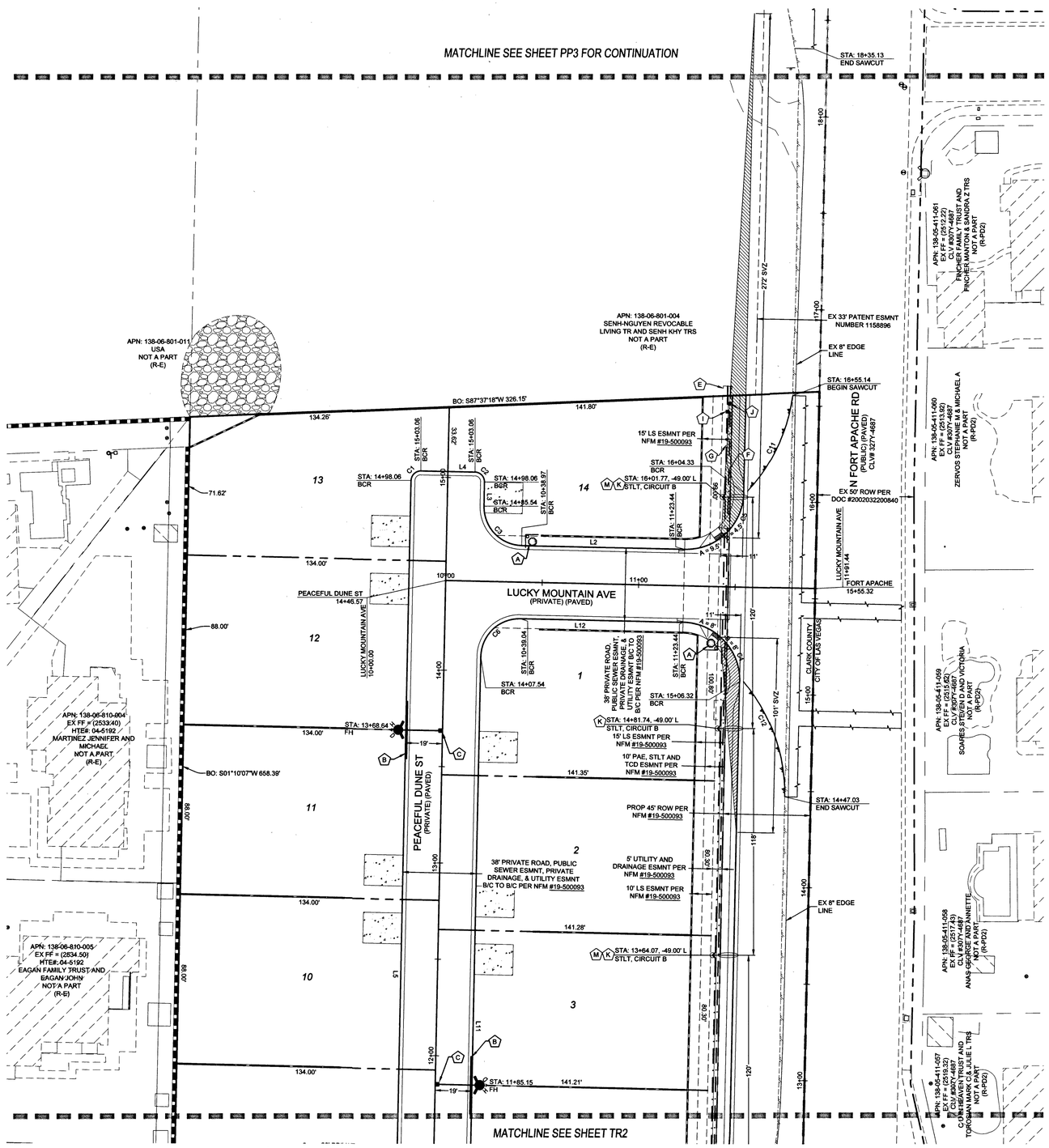
PROJ#:126326A QS:138-06-SE

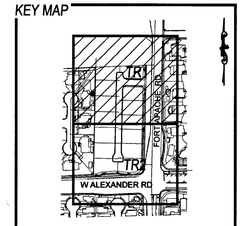
FILE NAME: S:\ACTIVE\ADAVEN HOMES\ADV-17-073 - FORT APACHE & ALEXANDER\ENGR\SHEETS\DWGS\ADV073_SHT_UT.DWG

3071170

Line Table		
Line #	Length	Direction
L2	84.47	N88° 46' 53.00"W
L3	12.52	N01° 10' 06.24"E
L4	28.00	N88° 49' 53.76"W
L5	440.10	N01° 10' 06.24"E
L6	14.96	N31° 10' 06.24"E
L7	25.00	N01° 10' 06.24"E
L8	51.00	S88° 49' 53.76"E
L9	25.00	N01° 10' 06.24"E
L10	14.96	N28° 49' 53.76"W
L11	349.58	N01° 10' 06.24"E
L12	84.40	N88° 46' 54.14"W

Curve Table			
Curve #	Length	Radius	Delta
C1	7.85	5.00	090.00
C2	7.85	5.00	090.00
C3	31.40	20.00	089.95
C4	47.12	30.00	090.00
C5	47.12	30.00	090.00
C6	31.43	20.00	090.05
C7	15.71	30.00	030.00
C8	7.85	5.00	090.00
C9	7.85	5.00	090.00
C10	15.71	30.00	030.00
C11	55.51	90.00	035.34
C12	64.84	90.00	041.28





SCALE: 1" = 30'

30' 15' 30' 60' 90'

CONSTRUCTION NOTES

- (A) INSTALL 30" R1-1 "STOP" SIGN W/ (2) 9" D-3 "STREET NAME" SIGNS TO BE PRIVATELY MAINTAINED BY HOA
- (B) PAINT CURB RED 15' EACH SIDE OF HYDRANT
- (C) BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS
- (D) EX STLT, EX R-21 (45) "SPEED LIMIT 45 MPH" SIGN, & EX R3-17 SIGN TO BE RELOCATED TO THIS LOCATION
- (E) STUB AND CAP STREETLIGHT & F.A.S.T. CONDUIT 5' PAST PROPERTY LINE
- (F) INSTALL 4" PVC F.A.S.T. CONDUIT WITH BARE TRACER WIRE
- (G) INSTALL 1 1/4" STLT CONDUIT W/ (2) NO. 4 AND (1) NO. 8 THW-2 OR XHHW-2 COPPER CONDUCTORS
- (H) INSTALL LED STLT W/ 15' TAPERED MAST ARM PER QPL PER CCAUSD 300.S3, 302.S2, 316, 320, & 321
- (I) INSTALL 3 1/2 PULL BOX PER CCAUSD NO. 705
- (J) INSTALL P30 PULL BOX WITH FIBER OPTICS INSCRIBED ON LID FOR F.A.S.T. CONDUIT PER CCAUSD NO. 761
- (K) INSTALL LED STLT FOR 100' ROW (PER QPL & CCAUSD #300.S3, #314, #320, & #321)
- (L) INTERCEPT AND CONNECT TO EXISTING STRUCTURE & F.A.S.T. CONDUIT
- (M) INSTALL R7-1A "NO PARKING ANY TIME" SIGN
- (N) INSTALL 200 AMP SERVICE PEDESTAL PER CCAUSD #331, #332.S2

SIGHT VISIBILITY ZONES (SVZ)
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS. (CCAUSD 201)

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BASIS OF BEARING

S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "A"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	(YES)	CONTACT CLARK COUNTY TRAFFIC OPERATIONS AT 702-455-6000 TO PERFORM CIRCUIT CAPACITY VERIFICATIONS.
	NO	INSTALL A NEW SERVICE PEDESTAL

SERVICE PEDESTAL LOCATION: 9190 W. ALEXANDER RD. (STA: 13+82.42)
CLARK COUNTY (COMPLETE IF EXISTING SERVICE):
DATE OF CAPACITY VERIFICATION: 10/17/2018 BY MELVIN JONES
ENGINEER OF THE OFFSITE PLANS: JUSTIN THORNE
PERSON WHO DID THE CALCULATIONS: RYAN BEAVERS
CONSULTING ENGINEERING FIRM: TANEY ENGINEERING
CAPACITY CALCULATIONS

1	CIRCUIT CAPACITY		60.0	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)		48.0	AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)		10.9	AMPS
4	AVAILABLE (2 MINUS 3)		37.1	AMPS
	PROPOSED LUMINAIRE LOAD TO CIRCUIT	STLTS		
5	NUMBER OF LED STLTS FOR 60' OR LESS R/W PER QPL @ 1.0 AMP/EA	0	0	AMPS
6	NUMBER OF LED STLTS FOR 80'-100' (+) R/W PER QPL @ 1.5 AMPS/EA	2.0	3.0	AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5+6)		3.0	AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 7)		34.1	AMPS

STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "B"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	YES	CONTACT CLARK COUNTY TRAFFIC OPERATIONS AT 702-455-6000 TO PERFORM CIRCUIT CAPACITY VERIFICATIONS.
	(NO)	INSTALL A NEW SERVICE PEDESTAL

SERVICE PEDESTAL LOCATION: FORT APACHE RD. (STA: 11+38.52)
CLARK COUNTY (COMPLETE IF EXISTING SERVICE):
DATE OF CAPACITY VERIFICATION:
ENGINEER OF THE OFFSITE PLANS: JUSTIN THORNE
PERSON WHO DID THE CALCULATIONS: RYAN BEAVERS
CONSULTING ENGINEERING FIRM: TANEY ENGINEERING
CAPACITY CALCULATIONS

1	CIRCUIT CAPACITY		60.0	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)		48.0	AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)		0.0	AMPS
4	AVAILABLE (2 MINUS 3)		48.0	AMPS
	PROPOSED LUMINAIRE LOAD TO CIRCUIT	STLTS		
5	NUMBER OF LED STLTS FOR 60' OR LESS R/W PER QPL @ 1.0 AMP/EA	0	0	AMPS
6	NUMBER OF LED STLTS FOR 80'-100' (+) R/W PER QPL @ 1.5 AMPS/EA	5	7.5	AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5+6)		7.5	AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 7)		40.5	AMPS

IN THE EVENT THAT THE TRAFFIC SIGNAL/SCHOOL FLASHER CONDUITS, LOOP DETECTORS OR ASSOCIATED EQUIPMENT ARE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR WILL HIRE AN IMSA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATIONS NO. 623.G.01.02

NOTE: REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS), UNDER CLARK COUNTY JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS, OR WILL BE APPROVED EQUIVALENT.

NOTE: CONTRACTOR SHALL CONTACT CLARK COUNTY TRAFFIC OPERATIONS DIRECTLY AT 455-6000 TO SCHEDULE COUNTY STAFF TO LOCATE UNDERGROUND STREETLIGHTING AND SIGNAL FACILITIES IN THE PROJECT AREA. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO LOCATES. HOURS OF OPERATIONS : 6:30 AM - 3:00 PM, MONDAY THROUGH FRIDAY EXCLUDING HOLIDAYS.

TRAFFIC SIGN LEGEND

R1-1 36" X 36" PER NOTE A
STREET NAME — D-3 9" OR 12" PER NOTE A
SPEED LIMIT 45 — R2-1(45) 30" X 36"
ANY TIME — R7-1A 18" & 24"
OM3-R 12" X 36"
ALL WAY — R1-3P 18" X 6"
BIKE LANE — R3-17 24" X 30"

FAST Call before you Underground 1-702-432-5300 FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Dig. Avoid cutting underground utility lines. it's costly. CALL 811 OR 1-800-227-2600

Avoid overhead power line contact. it's costly. Call before you Overhead 1-702-227-2929

Clark County Public Works
ACCEPTED
BY: _____ DATE: _____
ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF STATE, COUNTY OR FEDERAL LAW SPECIFICATIONS OR THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

NO.	BY	DESCRIPTION	SHT'S.	APPR.	DATE
		REVISIONS			

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
(702) 365-6588 FAX:

TANEY ENGINEERING
6039 S. JONES BOULEVARD
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-3233

EST. 2000

FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

TRAFFIC PLAN 1

PROFESSIONAL ENGINEER — JUSTIN THORNE Exp. 06-30-20 CIVIL No. 22841 — STATE OF NEVADA — 8/2/19

DATE:	8/2/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY: RJB	CHECKED BY: SJT
SHEET NAME:	TR1
SHEET NUMBER:	15 OF 16
IA#	A18-00017
CLV	L18-02565
CC	PW18-19519

FILE NAME: S:\ACTIVE\ADAVEN HOMES\ADV-17-073 - FORT APACHE & ALEXANDER\ENGR\PSD\DWGS\SHEET DWGS\ADV073_SHT_TR.DWG

3070170

Line Table		
Line #	Length	Direction
L2	84.47	N88° 45' 53.00"W
L3	12.52	N01° 10' 06.24"E
L4	28.00	N88° 49' 53.76"W
L5	440.10	N01° 10' 06.24"E
L6	14.96	N31° 10' 06.24"E
L7	25.00	N01° 10' 06.24"E
L8	51.00	S88° 49' 53.76"E
L9	25.00	N01° 10' 06.24"E
L10	14.96	N28° 49' 53.76"W
L11	349.58	N01° 10' 06.24"E
L12	84.40	N88° 45' 54.14"W

Curve Table			
Curve #	Length	Radius	Delta
C1	7.85	5.00	090.00
C2	7.85	5.00	090.00
C3	31.40	20.00	089.95
C4	47.12	30.00	090.00
C5	47.12	30.00	090.00
C6	31.43	20.00	090.05
C7	15.71	30.00	030.00
C8	7.85	5.00	090.00
C9	7.85	5.00	090.00
C10	15.71	30.00	030.00
C11	55.51	90.00	035.34
C12	64.84	90.00	041.28

SIGHT VISIBILITY ZONES (SVZ)
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS. (CCAUSD 201)

UTILITY DISCLAIMER

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 EXISTING LOCATIONS.

BASIS OF BEARING

S89°19'40"W, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON THAT CERTAIN MAP IN FILE 78, PAGE 19 OF PARCEL MAPS, ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CLV BM# 64 STA 9LV007WNE6
CLV RIVET IN ALUMINUM PLATE ON THE TOP OF CURB ON THE SOUTH SIDE OF ALEXANDER ROAD OPPOSITE TEE PEE LANE
780.959-METERS (NAVD 88) 2562.17-FEET

STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "A"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	(YES)	CONTACT CLARK COUNTY TRAFFIC OPERATIONS AT 702-455-6000 TO PERFORM CIRCUIT CAPACITY VERIFICATIONS.
	NO	INSTALL A NEW SERVICE PEDESTAL

SERVICE PEDESTAL LOCATION: 9190 W. ALEXANDER RD. (STA: 13+82.42)
CLARK COUNTY (COMPLETE IF EXISTING SERVICE):
DATE OF CAPACITY VERIFICATION: 10/17/2018 BY MELVIN JONES
ENGINEER OF THE OFFSITE PLANS: JUSTIN THORNE
PERSON WHO DID THE CALCULATIONS: RYAN BEAVERS
CONSULTING ENGINEERING FIRM: TANEY ENGINEERING
CAPACITY CALCULATIONS

1	CIRCUIT CAPACITY		60.0	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)		48.0	AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)		10.9	AMPS
4	AVAILABLE (2 MINUS 3)		37.1	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		STLTS		
5	NUMBER OF LED STLTS FOR 80 OR LESS R/W PER QPL @ 1.0 AMP/EA	0	0	AMPS
6	NUMBER OF LED STLTS FOR 80'-100' (+) R/W PER QPL @ 1.5 AMPS/EA	2.0	3.0	AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5+6)		3.0	AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 7)		34.1	AMPS

STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "B"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	YES	CONTACT CLARK COUNTY TRAFFIC OPERATIONS AT 702-455-6000 TO PERFORM CIRCUIT CAPACITY VERIFICATIONS.
	(NO)	INSTALL A NEW SERVICE PEDESTAL

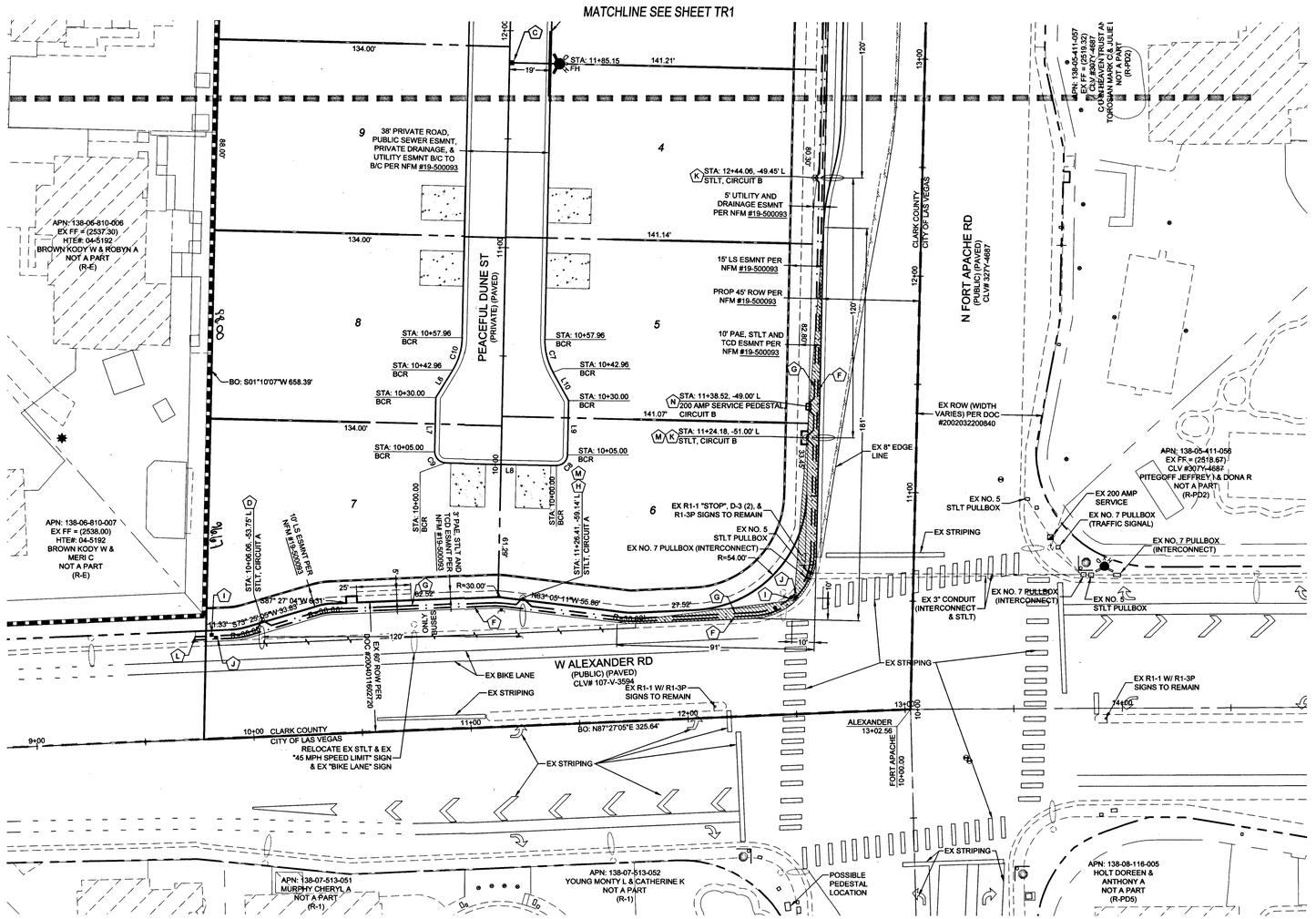
SERVICE PEDESTAL LOCATION: FORT APACHE RD. (STA: 11+38.52)
CLARK COUNTY (COMPLETE IF EXISTING SERVICE):
DATE OF CAPACITY VERIFICATION:
ENGINEER OF THE OFFSITE PLANS: JUSTIN THORNE
PERSON WHO DID THE CALCULATIONS: RYAN BEAVERS
CONSULTING ENGINEERING FIRM: TANEY ENGINEERING
CAPACITY CALCULATIONS

1	CIRCUIT CAPACITY		60.0	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)		48.0	AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)		0.0	AMPS
4	AVAILABLE (2 MINUS 3)		48.0	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		STLTS		
5	NUMBER OF LED STLTS FOR 60' OR LESS R/W PER QPL @ 1.0 AMP/EA	0	0	AMPS
6	NUMBER OF LED STLTS FOR 80'-100' (+) R/W PER QPL @ 1.5 AMPS/EA	5	7.5	AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5+6)		7.5	AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 7)		40.5	AMPS

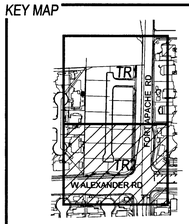
IN THE EVENT THAT THE TRAFFIC SIGNAL/SCHOOL FLASHER CONDUITS, LOOP DETECTORS OR ASSOCIATED EQUIPMENT ARE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR WILL HIRE AN IMSA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATIONS NO. 623.G.01.02

NOTE: REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS), UNDER CLARK COUNTY JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS, OR WILL BE APPROVED EQUIVALENT.

NOTE: CONTRACTOR SHALL CONTACT CLARK COUNTY TRAFFIC OPERATIONS DIRECTLY AT 455-6000 TO SCHEDULE COUNTY STAFF TO LOCATE UNDERGROUND STREETLIGHTING AND SIGNAL FACILITIES IN THE PROJECT AREA. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO LOCATES. HOURS OF OPERATIONS : 6:30 AM - 3:00 PM, MONDAY THROUGH FRIDAY EXCLUDING HOLIDAYS.



KEY MAP

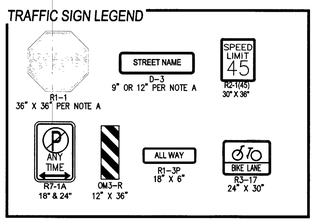


SCALE: 1" = 30'
30' 15' 30' 60' 90'

CONSTRUCTION NOTES

- (A) INSTALL 30" R1-1 "STOP" SIGN W/ (2) 9" D-3 "STREET NAME" SIGNS TO BE PRIVATELY MAINTAINED BY HOA
- (B) PAINT CURB RED 15' EACH SIDE OF HYDRANT
- (C) BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS
- (D) EX STLT, EX R-21 (45) "SPEED LIMIT 45 MPH" SIGN, & EX R3-17 SIGN TO BE RELOCATED TO THIS LOCATION
- (E) STUB AND CAP STREETLIGHT & F.A.S.T. CONDUIT 5' PAST PROPERTY LINE
- (F) INSTALL 4" PVC F.A.S.T. CONDUIT WITH BARE TRACER WIRE
- (G) INSTALL 1 1/4" STLT CONDUIT W/ (2) NO. 4 AND (1) NO. 8 THW-2 OR XHHW-2 COPPER CONDUCTORS
- (H) INSTALL LED STLT W/ 15' TAPERED MAST ARM PER QPL PER CCAUSD 300.S3, 302.S2, 316, 320, & 321
- (I) INSTALL 3 1/2 PULL BOX PER CCAUSD NO. 705
- (J) INSTALL P30 PULL BOX WITH FIBER OPTICS INSCRIBED ON LID FOR F.A.S.T. CONDUIT PER CCAUSD NO. 761
- (K) INSTALL LED STLT FOR 100' ROW (PER QPL & CCAUSD #300.S3, #314, #320, & #321)
- (L) INTERCEPT AND CONNECT TO EXISTING STRUCTURE & F.A.S.T. CONDUIT
- (M) INSTALL R7-1A "NO PARKING ANY TIME" SIGN
- (N) INSTALL 200 AMP SERVICE PEDESTAL PER CCAUSD #331, #332.S2

TRAFFIC SIGN LEGEND



FAST Call before you Underground 1-702-432-5300 FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION
Call before you Dig Avoid cutting underground utility lines. It's costly. CALL 811 OR 1-800-227-2600
Avoid overhead power line contact. It's costly. Call before you Overhead 1-702-227-2929

Clark County Public Works
ACCEPTED
BY: _____ DATE: _____
ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF STATE, COUNTY OR FEDERAL LAW SPECIFICATIONS OR THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

NO.	DESCRIPTION	BY	SHTS.	APPR.	DATE
REVISIONS					

ADAVEN HOMES
3425 CLIFF SHADOWS PKWY
LAS VEGAS, NV 89129
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6030 S. JONES BOULEVARD
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FORT APACHE & ALEXANDER
A RESIDENTIAL SUBDIVISION

TRAFFIC PLAN 2

PROFESSIONAL ENGINEER — STATE OF NEVADA — JUSTIN THORNE — Exp. 06-30-20 — CIVIL — No. 22841 — 9/3/19

DATE:	8/2/2019
SCALE:	1"=30'
JOB NO:	ADV-17-073
DESIGNED BY:	RJB
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SHEET NAME:	TR2
SHEET NUMBER:	16 OF 16
IA#	A18-00017
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FILE NAME: S:\ACTIVE\ADAVEN HOMES\ADV-17-073 - FORT APACHE & ALEXANDER\ENG\PSD\WSSHEET DWGS\ADV073_SHT_TR.DWG

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