

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA". LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA"; LATEST REVISIONS; AND ANY OTHER APPROVED STANDARDS OR ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

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 ON THESE PLANS MAY BE SUBJECT TO CHANGE DURING CONSTRUCTION. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SURVEY LATERALS ARE SHOWN ON THESE PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. NO ASSUMPTIONS SHOULD BE MADE REGARDING UNDERGROUND AND OVERHEAD INTERFERENCE, WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO AVOID DAMAGE TO SAME. 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.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LATERALS AND STRUCTURES FROM DAMAGE CAUSED BY THE WORK HEREON. IF ANY DAMAGE OCCURS, ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

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

TYP E V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM STRENGTH. ALL STRUCTURES SHALL BE ADJUSTED IN THE FIELD BY THE CITY INSPECTOR.

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

EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.

AS PAVEMENT TO BE ONE HALF-INCH ($\frac{1}{8}$ ") ABOVE UP ALL CUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS-GUTTERS.

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

SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 216. EXACT LOCATION SHALL BE ADJUSTED IN THE FIELD BY THE CITY INSPECTOR.

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

2. ALL GRADING WORK SHALL CONFORM TO THE SLOPED REPORT AS PREPARED BY SOUTHWEST GEOTECHNICAL, INC., PROJECT NO. 97018, DATED 11/18/97, AND ALL CORRECTIONS TO SAID REPORT, DECEMBER 30, 2021, APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

3. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION WARRANTS IT.

4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS, ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN THE FIELD BY THE CITY INSPECTOR.

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

6. WALL NOTES: ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING DESIGN, CONSTRUCTION, AND RIGHT-OF-WAY CITY INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

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

8. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVES, BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS TO BE AT THE SAME FINISH ELEVATION AS THE LOWEST ADJACENT SIDEWALK OR DRIVEWAY. THE PLANS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

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

10. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS SONIC BATTERIES, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES. CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL ALIGNMENT OF ALL SANITARY SEWER AND STORM DRAIN MAINS, INCLUDING ALL CONNECTIONS TO STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET. THE COLLECTION OF DATA FOR SANITARY SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS, THE LOCATION OF SANITARY SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS,

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

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

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

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

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWING THE LOCATION OF THE PUBLIC UTILITY WORK AREA. ALL RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CAUSAHS 627 AND 716 AND SHALL HAVE ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

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

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

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

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

3. ANY VEHICLE (NADA) (ETC.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
4. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
5. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFIED DRAWING REGARDING FINAL PAVEMENT TRANSITION. ALL PAVEMENT TRANSITION MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS, THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR RELOCATING PAVEMENT TRAFFIC CONTROL MARKINGS AND SIGNS WHICH ARE NECESSARY TO ACHIEVE SMOOTH TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.

ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S-APPROVED PRODUCTS LISTS ARE ALLOWED TO BE INSTALLED.

A. PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC § 106.6.15

ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS SHALL BE MAINTAINED BEFORE ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC § 5310, § 5312

TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC § 507.5.7.3

UNDERGROUND AND ABOVE GROUND LOCATIONS, POINT OF FLOW, VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER FLOWING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC § 106.3.

ALL ON-SITE UNDERGROUND WATER MAINS AND WATER LINES SHALL BE U.L.I.S.T., A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC § 507.2.1, NFA 24

NECESSARY FIRE HYDRANT, TRUNKS, FIRES, AND TRUNKS OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC § 507

PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC § 507.5.7.1

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

A FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC § C102

- * RESIDENTIAL - 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
- * COMMERCIAL - 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.

WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS, WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE LANES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1200 FT SPACING. IF FIRE HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS, IFC § C102.8

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CURB-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CURB-DE-SAC.

NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CUL-RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC § C102.12

A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.4

THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102

THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC § C102.6

TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS A 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM, FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED AT THE POINT OF DEPARTURE OF EACH OF THE TWO (2) FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE TO A SERVICE INTERRUPTION. IFC § C104

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

THE MAXIMUM DISTANCE FROM THE FIRE APPARATUS ACCESS ROAD TO THE APPROVED SIGN AT THE APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6X FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE, ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC § 503.2.7, § 503.2.8

THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT INSIDE AND 50.2 FT OUTSIDE.

ALL FIRE LINES TURNING RADIUS SHALL BE NO LESS THAN 52 FT INSIDE AND 50.2 FT OUTSIDE.

VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13 FT 6 INCH. IFC § 503.2.1

FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 33 FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB, NOT LESS THAN 28 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB, NOT LESS THAN 24 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB, FIRE LINES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. IFC § 503.2.1.1

A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. IFC § 503.1.1

APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200' OR MORE DWELLING UNITS, ROAD(S) WITH 4 OR MORE LANE(S) OR WITH A SIGN AT POINT OF ACCESS IN EXCESS OF 800 FT. IFC § 503.1.1

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

ALL FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED WITH APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE DEPARTMENT ACCESS ROAD. FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANE. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL, THE CURB ALONG OR ON THE ROADWAY. IFC § 503.2.1.1

IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC § 503.1

ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. IFC § 503.6

WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC CONTROL WITH MORE THAN 50,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CULV REGULATION

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

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES.

CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION, ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.

THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.

THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.

REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.):

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 ACCUMULATED IN, THE PUBLIC HIGHWAYS OF WAY OF THE CITY OF LAS VEGAS 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.

ADDITIONAL CONSTRUCTION PROJECT SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENT IN ORDER TO MEET THE CITY OF LAS VEGAS' BEST MANAGEMENT PRACTICES STANDARDS SPECIFIED IN THE LVMC 14.18.130 AND THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT'S HYDROLOGIC CRITERIA AND REFINANCED DESIGN MANUAL SECTION 1500 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.

TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND TO LASTER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY TERMINATED. NO EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION 11.5.

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 AT LEAST 24 HOURS AFTER EACH RAINFALL EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR SHALL UPDATE THE DISTURBED AREAS AND MATERIALS POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION 11.12.

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.

SOUTHERN NEVADA - SOUTHWEST GAS CORPORATION GENERAL NOTES

IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020

MINIMUM HORIZONTAL AND VERTICAL CLEARANCES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER AS DICTATED BY LOCAL CODES AND STANDARDS

(ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES)

FOR VALVE ADJUSTMENT CONTACT 702-528-7555 14 DAYS PRIOR TO CONSTRUCTION.

FOR ADJUSTMENT OF CATHODIC PROTECTION TEST POINTS CONTACT 702-528-7873 14 DAYS PRIOR TO CONSTRUCTION.

IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT 702-365-2099.

IF REMOVAL OF EXISTING UTILITIES OR STRUCTURES IS REQUIRED, CONTACT 702-365-2099 FOR REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES. CONTACT 702-278-8451 48 HOURS PRIOR TO CONSTRUCTION.

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IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL BE APPROVED BY THE CITY ENGINEER.

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

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

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

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

WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN. THE WATER MAIN SHALL BE PROTECTED BY A "W" OR "B" OR "C" OR "D" OR "E" OR "F" OR "G" OR "H" OR "I" OR "J" OR "K" OR "L" OR "M" OR "N" OR "O" OR "P" OR "Q" OR "R" OR "S" OR "T" OR "U" OR "V" OR "W" OR "X" OR "Y" OR "Z" OR "AA" OR "AB" OR "AC" OR "AD" OR "AE" OR "AF" OR "AG" OR "AH" OR "AI" OR "AJ" OR "AK" OR "AL" OR "AM" OR "AN" OR "AO" OR "AP" OR "AQ" OR "AR" OR "AS" OR "AT" OR "AU" OR "AV" OR "AW" OR "AX" OR "AY" OR "AZ" OR "BA" OR "BB" OR "BC" OR "BD" OR "BE" OR "BF" OR "BG" OR "BH" OR "BI" OR "BJ" OR "BK" OR "BL" OR "BM" OR "BN" OR "BO" OR "BP" OR "BQ" OR "BR" OR "BS" OR "BT" OR "BU" OR "BV" OR "BW" OR "BX" OR "BY" OR "BZ" OR "CA" OR "CB" OR "CC" OR "CD" OR "CE" OR "CF" OR "CG" OR "CH" OR "CI" OR "CJ" OR "CK" OR "CL" OR "CM" OR "CN" OR "CO" OR "CP" OR "CQ" OR "CR" OR "CS" OR "CT" OR "CU" OR "CV" OR "CW" OR "CX" OR "CY" OR "CZ" OR "DA" OR "DB" OR "DC" OR "DD" OR "DE" OR "DF" OR "DG" OR "DH" OR "DI" OR "DJ" OR "DK" OR "DL" OR "DM" OR "DN" OR "DO" OR "DP" OR "DQ" OR "DR" OR "DS" OR "DT" OR "DU" OR "DV" OR "DW" OR "DX" OR "DY" OR "DZ" OR "EA" OR "EB" OR "EC" OR "ED" OR "EE" OR "EF" OR "EG" OR "EH" OR "EI" OR "EJ" OR "EK" OR "EL" OR "EM" OR "EN" OR "EO" OR "EP" OR "EQ" OR "ER" OR "ES" OR "ET" OR "EU" OR "EV" OR "EW" OR "EX" OR "EY" OR "EZ" OR "FA" OR "FB" OR "FC" OR "FD" OR "FE" OR "FF" OR "FG" OR "FH" OR "FI" OR "FJ" OR "FK" OR "FL" OR "FM" OR "FN" OR "FO" OR "FP" OR "FQ" OR "FR" OR "FS" OR "FT" OR "FU" OR "FV" OR "FW" OR "FX" OR "FY" OR "FZ" OR "GA" OR "GB" OR "GC" OR "GD" OR "GE" OR "GF" OR "GG" OR "GH" OR "GI" OR "GJ" OR "GK" OR "GL" OR "GM" OR "GN" OR "GO" OR "GP" OR "GQ" OR "GR" OR "GS" OR "GT" OR "GU" OR "GV" OR "GW" OR "GX" OR "GY" OR "GZ" OR "HA" OR "HB" OR "HC" OR "HD" OR "HE" OR "HF" OR "HG" OR "HH" OR "HI" OR "HJ" OR "HK" OR "HL" OR "HM" OR "HN" OR "HO" OR "HP" OR "HQ" OR "HR" OR "HS" OR "HT" OR "HU" OR "HV" OR "HW" OR "HX" OR "HY" OR "HZ" OR "IA" OR "IB" OR "IC" OR "ID" OR "IE" OR "IF" OR "IG" OR "IH" OR "II" OR "IJ" OR "IK" OR "IL" OR "IM" OR "IN" OR "IO" OR "IP" OR "IQ" OR "IR" OR "IS" OR "IT" OR "IU" OR "IV" OR "IW" OR "IX" OR "IY" OR "IZ" OR "JA" OR "JB" OR "JC" OR "JD" OR "JE" OR "JF" OR "JG" OR "JH" OR "JI" OR "JJ" OR "JK" OR "JL" OR "JM" OR "JN" OR "JO" OR "JP" OR "JQ" OR "JR" OR "JS" OR "JT" OR "JU" OR "JV" OR "JW" OR "JX" OR "JY" OR "JZ" OR "KA" OR "KB" OR "KC" OR "KD" OR "KE" OR "KF" OR "KG" OR "KH" OR "KI" OR "KJ" OR "KL" OR "KM" OR "KN" OR "KO" OR "KP" OR "KQ" OR "KR" OR "KS" OR "KT" OR "KU" OR "KV" OR "KW" OR "KX" OR "KY" OR "KZ" OR "LA" OR "LB" OR "LC" OR "LD" OR "LE" OR "LF" OR "LG" OR "LH" OR "LI" OR "LJ" OR "LK" OR "LL" OR "LM" OR "LN" OR "LO" OR "LP" OR "LQ" OR "LR" OR "LS" OR "LT" OR "LU" OR "LV" OR "LW" OR "LX" OR "LY" OR "LZ" OR "MA" OR "MB" OR "MC" OR "MD" OR "ME" OR "MF" OR "MG" OR "MH" OR "MI" OR "MJ" OR "MK" OR "ML" OR "MM" OR "MN" OR "MO" OR "MP" OR "MQ" OR "MR" OR "MS" OR "MT" OR "MU" OR "MV" OR "MW" OR "MX" OR "MY" OR "MZ" OR "NA" OR "NB" OR "NC" OR "ND" OR "NE" OR "NF" OR "NG" OR "NH" OR "NI" OR "NJ" OR "NK" OR "NL" OR "NM" OR "NN" OR "NO" OR "NP" OR "NQ" OR "NR" OR "NS" OR "NT" OR "NU" OR "NV" OR "NW" OR "NX" OR "NY" OR "NZ" OR "OA" OR "OB" OR "OC" OR "OD" OR "OE" OR "OF" OR "OG" OR "OH" OR "OI" OR "OJ" OR "OK" OR "OL" OR "OM" OR "ON" OR "OO" OR "OP" OR "OQ" OR "OR" OR "OS" OR "OT" OR "OU" OR "OV" OR "OW" OR "OX" OR "OY" OR "OZ" OR "PA" OR "PB" OR "PC" OR "PD" OR "PE" OR "PF" OR "PG" OR "PH" OR "PI" OR "PJ" OR "PK" OR "PL" OR "PM" OR "PN" OR "PO" OR "PP" OR "PQ" OR "PR" OR "PS" OR "PT" OR "PU" OR "PV" OR "PW" OR "PX" OR "PY" OR "PZ" OR "QA" OR "QB" OR "QC" OR "QD" OR "QE" OR "QF" OR "QG" OR "QH" OR "QI" OR "QJ" OR "QK" OR "QL" OR "QM" OR "QN" OR "QO" OR "QP" OR "QQ" OR "QR" OR "QS" OR "QT" OR "QU" OR "QV" OR "QW" OR "QX" OR "QY" OR "QZ" OR "RA" OR "RB" OR "RC" OR "RD" OR "RE" OR "RF" OR "RG" OR "RH" OR "RI" OR "RJ" OR "RK" OR "RL" OR "RM" OR "RN" OR "RO" OR "RP" OR "RQ" OR "RR" OR "RS" OR "RT" OR "RU" OR "RV" OR "RW" OR "RX" OR "RY" OR "RZ" OR "SA" OR "SB" OR "SC" OR "SD" OR "SE" OR "SF" OR "SG" OR "SH" OR "SI" OR "SJ" OR "SK" OR "SL" OR "SM" OR "SN" OR "SO" OR "SP" OR "SQ" OR "SR" OR "SS" OR "ST" OR "SU" OR "SV" OR "SW" OR "SX" OR "SY" OR "SZ" OR "TA" OR "TB" OR "TC" OR "TD" OR "TE" OR "TF" OR "TG" OR "TH" OR "TI" OR "TJ" OR "TK" OR "TL" OR "TM" OR "TN" OR "TO" OR "TP" OR "TQ" OR "TR" OR "TS" OR "TT" OR "TU" OR "TV" OR "TW" OR "TX" OR "TY" OR "TZ" OR "UA" OR "UB" OR "UC" OR "UD" OR "UE" OR "UF" OR "UG" OR "UH" OR "UI" OR "UJ" OR "UK" OR "UL" OR "UM" OR "UN" OR "UO" OR "UP" OR "UQ" OR "UR" OR "US" OR "UT" OR "UU" OR "UV" OR "UW" OR "UX" OR "UY" OR "UZ" OR "VA" OR "VB" OR "VC" OR "VD" OR "VE" OR "VF" OR "VG" OR "VH" OR "VI" OR "VJ" OR "VK" OR "VL" OR "VM" OR "VN" OR "VO" OR "VP" OR "VQ" OR "VR" OR "VS" OR "VT" OR "VU" OR "VV" OR "VW" OR "VX" OR "VY" OR "VZ" OR "WA" OR "WB" OR "WC" OR "WD" OR "WE" OR "WF" OR "WG" OR "WH" OR "WI" OR "WJ" OR "WK" OR "WL" OR "WM" OR "WN" OR "WO" OR "WP" OR "WQ" OR "WR" OR "WS" OR "WT" OR "WU" OR "WV" OR "WW" OR "WX" OR "WY" OR "WZ" OR "XA" OR "XB" OR "XC" OR "XD" OR "XE" OR "XF" OR "XG" OR "XH" OR "XI" OR "XJ" OR "XK" OR "XL" OR "XM" OR "XN" OR "XO" OR "XP" OR "XQ" OR "XR" OR "XS" OR "XT" OR "XU" OR "XV" OR "XW" OR "XX" OR "XY" OR "XZ" OR "YA" OR "YB" OR "YC" OR "YD" OR "YE" OR "YF" OR "YG" OR "YH" OR "YI" OR "YJ" OR "YK" OR "YL" OR "YM" OR "YN" OR "YO" OR "YP" OR "YQ" OR "YR" OR "YS" OR "YT" OR "YU" OR "YV" OR "YW" OR "YX" OR "YY" OR "YZ" OR "ZA" OR "ZB" OR "ZC" OR "ZD" OR "ZE" OR "ZF" OR "ZG" OR "ZH" OR "ZI" OR "ZJ" OR "ZK" OR "ZL" OR "ZM" OR "ZN" OR "ZO" OR "ZP" OR "ZQ" OR "ZR" OR "ZS" OR "ZT" OR "ZU" OR "ZV" OR "ZW" OR "ZX" OR "ZY" OR "ZZ" OR "AA" OR "AB" OR "AC" OR "AD" OR "AE" OR "AF" OR "AG" OR "AH" OR "AI" OR "AJ" OR "AK" OR "AL" OR "AM" OR "AN" OR "AO" OR "AP" OR "AQ" OR "AR" OR "AS" OR "AT" OR "AU" OR "AV" OR "AW" OR "AX" OR "AY" OR "AZ" OR "BA" OR "BB" OR "BC" OR "BD" OR "BE" OR "BF" OR "BG" OR "BH" OR "BI" OR "BJ" OR "BK" OR "BL" OR "BM" OR "BN" OR "BO" OR "BP" OR "BQ" OR "BR" OR "BS" OR "BT" OR "BU" OR 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"GQ" OR "GR" OR "GS" OR "GT" OR "GU" OR "GV" OR "GW" OR "GX" OR "GY" OR "GZ" OR "HA

LVVWD PROJECT #
(REVISED 10/18/2021)

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 COMMUNITY SUPPORT CENTER (702-258-7711) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. NO WORK SHALL BE PERMITTED FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 5:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.

ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2000 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.

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

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

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

4. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB CUTTERS.

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

6. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.

7. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 702-258-3152 OR 702-258-3802. TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

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

9. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST AS LISTED ON THE LVVWD APPROVED PRODUCT'S LIST (APL) FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.

10. TELEPHONE USA NORTH 811 "CALL BEFORE YOU DIG" AT "811" OR 1-800-642-2444.

11. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES.

12. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR REPLACED WITH A NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEAD PRODUCT MAY NOT BE REUSED.

16. PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER PLATES. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

17. **DRY UTILITY NOTES** MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING. MAINTAIN A MINIMUM 3' PARALLEL SEPARATION.

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. _____ FIRST APPROVED DATE: _____

ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (US), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA (USD)", LATEST REVISION.

DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.

LUMINAIRES SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136 THAT INDICATE WATTAGE AND ARE CLEARLY VISIBLE FROM STREET LEVEL.

NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.

ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623

ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC. SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH ASD NO. 3204 WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.

AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY PREPARER.

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

NEW STREETLIGHT SERVICES SHALL BE 200 AMP PADMOUNT AND SHALL PROVIDE CAPACITY FOR 20 OR 24 AVAILABLE CIRCUITS.

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

THE CONTRACTOR SHALL COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Dig
AVOID HITTING UNDERGROUND UTILITIES, IT'S COSTLY.

FAST

Call before you UnderGround

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

EXISTING	PROPOSED	DESCRIPTION
		ROW OR PROPERTY LINE
		EASEMENT LINE
		CENTERLINE
		CURB
		VALLEY GUTTER
		EDGE OF PAVEMENT
		SIDEWALK
		SIDEWALK RAMP
		DRIVEWAY
		SAWCUT LINE
		RETAINING WALL
		FLOOD WALL
		WROUGHT IRON VEHICULAR GATES
		WROUGHT IRON PEDESTRIAN GATES
		INDEX CONTOURS
		INTERMEDIATE CONTOURS
		ROUGH GRADE INDEX CONTOURS
		ROUGH GRADE INTERMEDIATE CONTOURS
		CUT OR FILL SLOPE
		CUT AND FILL LINE
		LOT NUMBER
		FF AND PAD ELEVATION
		GRADE SLOPE
		SPOT ELEVATION
		SWALE LINE
		LOT DIMENSION
		SIGHT VISIBILITY ZONE
		WATERLINE MAIN AND SIZE
		FIRE HYDRANT
		WATER METER AND SERVICE LATERAL
		WATER VALVE
		WATER FITTINGS
		WATER LINE REDUCER
		WATER CAP WITH WATER BLOW OFF ASSEMBLY
		IRRIGATION SLEEVE
		PRESSURE REDUCING VALVE
		REDUCED PRESSURE PRINCIPLE ASSEMBLY
		SEWERLINE MAIN AND SIZE
		SEWERLINE MANHOLE
		SEWERLINE CAP
		SEWER LATERAL
		BACK WATER VALVE
		100W HPS STREET LIGHT
		250W HPS STREET LIGHT
		400W HPS STREET LIGHT
		STREET LIGHT CONDUIT AND CAP
		4" FIBER OPTIC CONDUIT AND CAP
		PULLBOX
		REFLECTIVE FIRE HYDRANT MARKER
		STORM DRAIN MAIN AND SIZE
		ROCK RIP RAP
		STORM DRAIN MANHOLE
		STORM DRAIN DROP INLET

AGG	AGGREGATE	FG	FINISH GR
ASC	ASPHALTIC CONCRETE	FL	FLOW LINE
ANL	ANGLE POINT	FT	FUTURE CUT
BSI	BACK OF CURB	PL-G	PLASTIC G
BC	BEGIN STREET IMPROVEMENTS	S-G	STEEL GASKET
BCI	BEGINNING OF VERTICAL CURVE	GR	GRADE
BM	BENCH MARK	HP	HIGH POINT
BND	BOUNDARY	HD	HIGH DENSITY
BDRY	CABLE TELEVISION	HSI	HIGH SPEED INTERSECTION
CL	CENTERLINE	HPCT	HIGH PERFORMANCE
CCUSD	CLARK COUNTY UNIFORM STANDARD DRAWINGS	INV	INVERT
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	LVYWD	LEAS VEGAS LEFT
CMH	CENTER OF MANHOLE	LF	LINEAR FEET
CO	CLEAN OUT, SEWER	MH	MANHOLE
COM	COMMERCIAL	MAX	MAXIMUM
CNC, PCC	CONCRETE	MIN	MINIMUM
CONST	CONSTRUCTION OR CONSTRUCT	NTS	NOT TO SCALE
CU	CUBIC YARD	PC	PERCENT
CU, FT, CF	CUBIC FEET	PVMT	PAVEMENT
OF	CURBAGE	PT	POINT
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS	PRC	POINT OF CURVE
		PC	POINT OF CURVE
		PCC	PORTLAND CEMENT CONCRETE
DIA	DIAMETER	PUE	PUBLIC UTILITY
DWY	DRIVEWAY	PVLY	POLYVINYL CHLORIDE
D	DROP INLET	PW	POWER POLE
DE	DRAINAGE EASEMENT	P	POWER
ES	EASEMENT	PL	PROPERTY
ESI	END STREET IMPROVEMENTS	POC	POINT OF CURVE
E	EDGE OF PAVEMENT	PROP	PROPOSED
EL	ELECTRIC	PB	PULL BOX
ELEV	ELEVATION	RP	RADIUS PC
EVC	END OF CURB RETURN	RPPA	REDUCED SPEED ASSEMBLY
END	END OF VERTICAL CURVE		
EX, EXIST	EXISTING	REINF	REINFORCING
FT	FEET OR FOOT	RCB	REINFORCED CONCRETE
FOG WALL	FOG WALL	RCP	REINFORCED CONCRETE PIPE
FR	FIRE HYDRANT		

DESCRIPTION	PUBLIC	PRIVATE
CH SEWER LATERAL	- LF	- LF
CH PVC SEWER MAIN	- LF	- LF
CH C-900 SEWER MAIN	- LF	- LF
MCH SEWER MANHOLES	- EA	- EA
WATER VALVES	- EA	- EA
CH PVC WATER MAIN	- LF	- LF
CH PVC WATER MAIN	- LF	- LF
MCH PVC WATER MAIN	- LF	- LF
MCH DIP WATER MAIN	- LF	- LF
ER LATERAL	- LF	- LF
IRIGATION METER WITH 1" RPFA	- EA	- EA
IRIGATION METER WITH 1" RPFA	- EA	- EA
WATER METER	- EA	- EA
HYDRANT	- EA	- EA
CRASH GATE (WROUGHT IRON)	- SF	- SF
TYPE ISLAND CURB	- LF	- LF
8 & GUTTER (24-INCH)	- LF	- LF
8 & GUTTER (30-INCH)	- LF	2,333 LF
CRETE VALLEY GUTTER	- SF	1,344 SF
CH CONCRETE SIDEWALK	- SF	- SF
CH CONCRETE SIDEWALK	- SF	11,666 SF
RAMPS	- EA	4 EA
WALK UNDERDRAIN	- EA	3 EA
II GRAVEL	- SY	- CY
CH ASPHALTIC CONCRETE PAVING	- SY	- CY
VEY MONUMENTS	- EA	- EA
PULLBOX	- EA	- EA
II STANDARD (STD. BASE)	- EA	- EA
1/4 INCH STREET LIGHT CONDUIT	- LF	- LF
100 AMP SERVICE PEDESTAL	- EA	- EA
601 BARRICADE (SFT)	- EA	- EA
ET SIGNS -STAND ALONE	- EA	- EA
R/GAS/PHONE/CABLE SERVICE TO LOTS	- EA	- EA

NCH STORM DRAIN	~ LF	~ LF
NCH STORM DRAIN	~ LF	~ LF
NCH STORM DRAIN	~ LF	~ LF
NCH STORM DRAIN	~ LF	~ LF
NCH SD MANHOLE (>6")	~ EA	~ EA
NCH SD MANHOLE (>5")	~ EA	~ EA
-DOD TYPE CM2 DROP INLET	~ EA	~ EA
-FOOT TYPE CM2 DROP INLET	~ EA	~ EA
-FOOT TYPE CM2 DROP INLET	~ EA	~ EA
-FOOT TYPE CM2 DROP INLET	~ EA	~ EA
-FOOT TYPE CM2 DROP INLET	~ EA	~ EA
-FOOT TYPE CM2 DROP INLET	~ EA	~ EA
72" JENSEN PRECAST INLET	~ EA	~ EA
RAP (050-6")	~ CY	~ CY
NDON PRIVATE RCP	~ LF	~ LF
WROUGHT IRON FENCE	~ SF	~ SF

BENCHMARK
INUMENT ID: USDA (1934) 19
S. DEPARTMENT OF AGRICULTURE BRASS DISC AT SOUTHWES
RNER OF U.S. 95 AND KYLE CANYON ROAD
ELEVATION = 2817.61 FEET, 858.810 METERS NAVD 88 DATUM
FROM THE CITY OF LAS VEGAS BENCHMARK BOOK- 2008
LAST JUSTMENT (UPDATED 05/24/2010)

SECTION 6, TOWNSHIP 19 SOUTH, RANGE 60 EAST,
N.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA,
SHOWN BY MAP THEREOF IN FILE 161, PAGE 040
SURVEYS IN THE CLARK COUNTY RECORDER'S
OFFICE, NEVADA,

ONE

						IMPROVEMENT PLANS FOR SUNSTONE PARCEL G UNIT 2 (AKA ASHER AT SUNSTONE) A SINGLE FAMILY RESIDENTIAL SUBDIVISION GENERAL NOTES, LEGENDS, AND ABBREVIATIONS CITY OF LAS VEGAS NEVADA								
DRAWING N-1 SHEET 2 OF 7 CLV PROJECT # _____						LENNAR® 9275 W. RUSSELL RD SUITE 400, LAS VEGAS, NV 89148 PHONE: (702) 736-9100 FAX: (702) 736-9200 RCI ENGINEERING 500 SOUTH RANDOLPH DRIVE, SUITE 117, LAS VEGAS, NV 89106 MAIN: (702) 453-0800 FAX: (702) 453-0801								
						DATE:	April 11, 2022			REV		BY	APPRO	DATE
						HORIZ. SCALE:	N/A							
						VERT. SCALE:	N/A							
						DRAWN BY:	CU							
						DESIGNED BY:	DR							
						CHECKED BY:	GPZ							
						APPROVED BY:	GPZ							
						PROJECT #:	3040.00759							

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Dig AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-642-2444	FAST Call before you UnderGround 1-702-432-5300 FREQUENCY AND ARTISIAL SYSTEM OF TRANSPORTATION	AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929
---	---	--

BENCHMARK

MONUMENT ID: USDA (1934) 19
U.S. DEPARTMENT OF AGRICULTURE BRASS DISC AT SOUTHWEST
CORNER OF U.S. 95 AND KYLE CANYON ROAD
ELEVATION = 2817.61 FEET, 858.810 METERS NAVD 88 DATUM
PER THE CITY OF LAS VEGAS BENCHMARK BOOK-- 2008
ADJUSTMENT (UPDATED 05/24/2010)

BASIS OF BEARINGS

NORTH 00°01'50" WEST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 6, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 161, PAGE 040 OF SURVEYS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA,

BUILDING PERMIT NOTE

ALL STRUCTURES SHOWN OR INDICATED ON THIS SUBMITTAL WITHIN THE PROPERTY REQUIRE A BUILDING PERMIT APPLICATION AND SUBMITTAL THIS INCLUDES BUILDINGS, ABOVE GROUND TANKS, SIGNS, RETAINING WALLS, FENCES, TRASH ENCLOSURES, SHADE STRUCTURES, STAIRWAYS, RAMPS, LIGHT POLES, LIGHT BOLLARDS, ETC. THIS DOES NOT INCLUDE ANY STRUCTURE SUCH AS PIPE, CULVERTS, ARCH CULVERTS, HEADWALLS, ETC. THIS DOES NOT INCLUDE ANY WORK WITHIN A PUBLIC STREET RIGHT-OF-WAY, THIS DOES NOT INCLUDE PRIVATE STREETS. THE REVIEW OF CIVIL IMPROVEMENT AND/OR GRADING PLANS DOES NOT INCLUDE ANY REVIEW OF ANY STRUCTURE THAT REQUIRES A BUILDING PERMIT APPLICATION."

FLOOD ZONE NOTE

ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL MAP NUMBERS 32003C1735E DATED SEPTEMBER 27, 2002 THE SITE IS LOCATED IN A ZONE "X". ZONE "X" AREAS ARE DEFINED AS AREAS OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD.

SIGHT VISIBILITY ZONE

NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

ENGINEERS NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
2. SEE DETAIL SHEET FOR ON-SITE PAVEMENT SECTIONS. CONTRACTOR TO VERIFY WITH SOILS REPORT.
3. SEE FINAL MAP FOR EXACT PROPERTY LINE DIMENSIONS.
4. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
5. THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.
6. ALL GRADING SHALL CONFORM TO SOILS REPORT RECOMMENDATIONS.
7. DURING CONSTRUCTION, SURVEYORS AND CONTRACTORS MUST VERIFY THAT ALL STREETS AND LOTS HAVE POSITIVE DRAINAGE. SAME MUST UTILIZE AT LEAST THREE GRADES ON POSITIVE, TANGENTS TO VERIFY SLOPES.
8. SOIL REPORT NOTE:
GRADING SHALL BE IN ACCORDANCE
WITH SOILS REPORT PREPARED BY
ENGINEER: SOUTHWEST GEOTECHNICAL
PROJECT NO. 182187
DATED: APRIL 25, 2018
*SEE DETAILS 21, 22, AND 23 ON SHEET D-2 FOR ROUGH GRADE SECTIONS
*UPDATE: DECEMBER 03, 2021
9. CUT/FILL ESTIMATES
EXISTING TO FINISH GRADE ELEVATIONS
NET CUT: 1,000
NET FILL: 1,000
10. SEE DETAIL 16/D-1 FOR TYPICAL LOT DRAINAGE
11. FOR STORMWATER RUNOFF MANAGEMENT NOTES REFER TO SHEET N-1

CONSTRUCTION NOTES

- 2) CONSTRUCT AC PAVEMENT PER DETAILS 1 AND 2 ON SHEET D-1
- 3) CONSTRUCT 30" ROLL CURB PER CAUSD #217.2.51
- 4) CONSTRUCT S' CURB TRANSITION FROM 24" N' L' TYPE CURB AND GUTTER TO 30" ROLL CURB PER DETAIL 17 ON SHEET D-1
- 5) CONSTRUCT 8" CROSS GUTTER PER CAUSD #228
- 6) CONSTRUCT S' SIDEWALK PER CAUSD #234
1" THICK WHEN ADJACENT TO ROLL CURB
- 7) CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DORIES OR EQUIVALENT PER CAUSD #235 (CASE 1) SEE PLAN AND S' SHEET CURB TABLES FOR "A" AND "B" DIMENSIONS
- 8) CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DORIES OR EQUIVALENT PER CAUSD #235 (CASE 3)
- 9) CONSTRUCT SIDEWALK UNDERDRAIN PER CAUSD #236
- 10) CONSTRUCT CONCRETE FLUME PER DETAIL 13 SHEET D-1
- 10) EX SIDEWALK UNDERDRAIN
- 11) EX WROUGHT IRON FENCE AND/OR GATES TO REMAIN PER UNIT 1
- 12) EX CALL BOX
- 13) EX ELECTRONICALLY CONTROLLED ACCESS GATES
- 14) EX SIDEWALK TO REMAIN
- 15) EX SIDEWALK RAMPS TO REMAIN
- 16) EX 'L' CURB AND GUTTER TO REMAIN
- 17) EX PED ACCESS GATE TO REMAIN
- 18) EX CONCRETE FLUME TO REMAIN
- 19) EX VALLEY GUTTER TO REMAIN
- 20) REMOVE EXISTING RIPRAP
- 21) INSTALL BOLLARDS AT S' ON ROLL CURB PER CAUSD #425.51

SURVEY MONUMENT NOTE

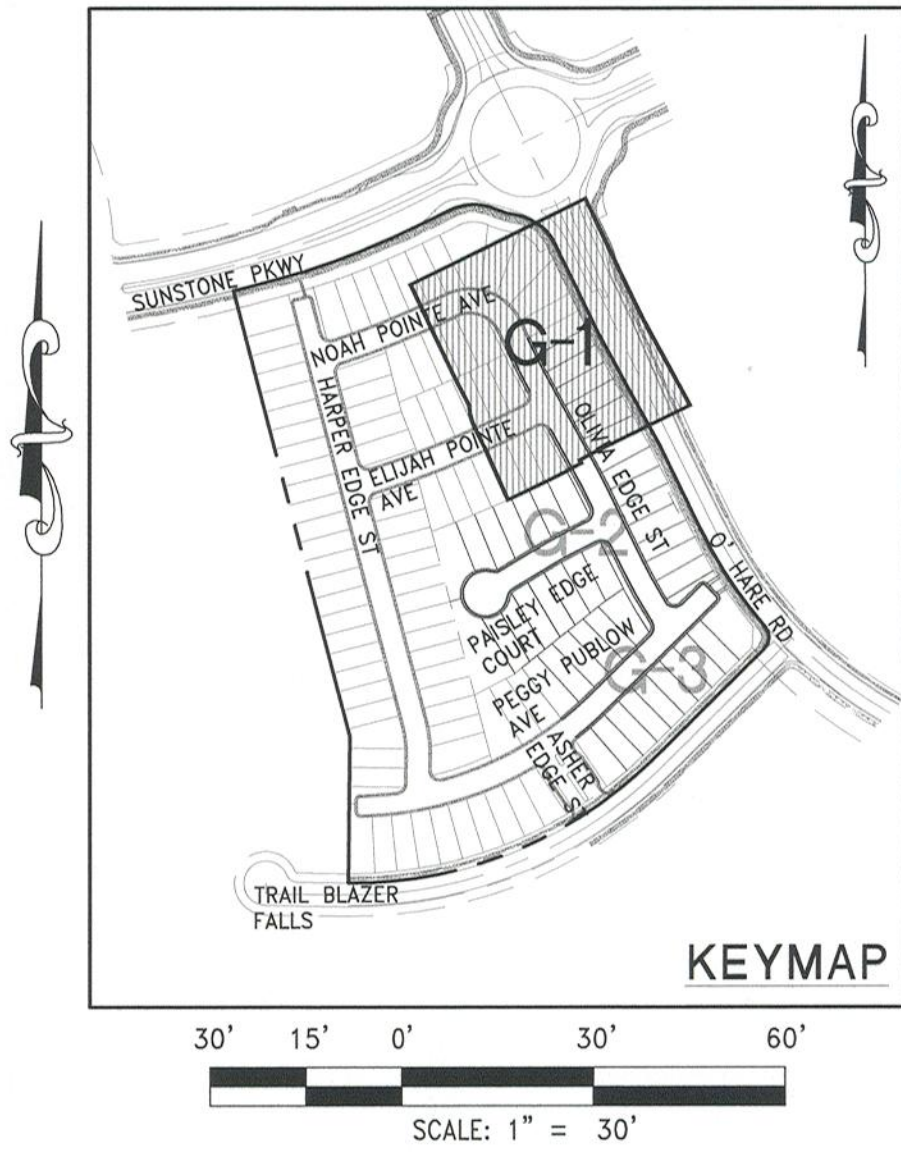
OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS
REQUIRED BY CITY OF LAS VEGAS AND CLARK COUNTY UNIFORM
STANDARD DRAWING NUMBER 243. OWNER IS ALSO RESPONSIBLE TO
REPLACE ALL SURVEY MONUMENTATION DAMAGED, DESTROYED, OR
OBSCURED DURING CONSTRUCTION.

NOTE

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

SEWER EASEMENT NOTE

NO STRUCTURES AND NO TREES OR VEGETATION TALLER
THAN THREE FEET ALLOWED WITHIN CLV SEWER EASEMENT



DATE:	April 11, 2022
HORIZ. SCALE:	1" = 30'
VERT. SCALE:	N/A
DRAWN BY:	DU
DESIGNED BY:	CR
CHECKED BY:	CR
APPROVED BY:	CR
PROJECT #:	3040.0559

LENNAR®
9275 W. RUSSELL RD SUITE 400 LAS VEGAS, NV 89148
PHONE: (702) 736-9100 FAX: (702) 736-9200

RCI ENGINEERING
500 SOUTH RANCHO DRIVE, SUITE 17, LAS VEGAS, NV 89106
MAIL: 702-453-0800 FAX: 702-453-0001

The logo for RCI Engineering, featuring the letters 'RCI' in a stylized, bold, sans-serif font. The 'R' and 'C' are connected, and the 'I' is separate. The letters are white and set against a dark, rectangular background.

IMPROVEMENT PLANS FOR
SUNSTONE PARCEL G, UNIT 2
(AKA ASHER AT SUNSTONE)
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
GRADING PLAN (SHEET 1 OF 3)

DATE: 4-11-22

DRAWING

G-1

SHT 3 OF 7

CLV DRAWING NUMBER

CLV PROJECT #

I HEREBY CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY DS # ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

CHRISTOPHER R. ZRINYI, PE NO. 13976

DATE _____

CLV PROJECT #

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Dig AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call  OR 1-800-642-2444	<i>FAST</i> Call  before you UnderGround 1-702-432-5300 FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION	AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD  1-702-227-2929
--	--	---

MONUMENT ID: USDA (1934) 19
U.S. DEPARTMENT OF AGRICULTURE BRASS DISC AT SOUTHWEST
CORNER OF U.S. 95 AND KYLE CANYON ROAD
ELEVATION = 2817.61 FEET, 858.810 METERS NAVD 88 DATUM
PER THE CITY OF LAS VEGAS BENCHMARK BOOK-- 2008
ADJUSTMENT (UPDATED 05/24/2010)

NORTH 00°01'50" WEST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 6, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 161, PAGE 040 OF SURVEYS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA,

ALL STRUCTURES SHOWN OR INDICATED ON THIS SUBMITTAL WITHIN THE PROPERTY REQUIRE A BUILDING PERMIT APPLICATION AND SUBMITTAL THIS INCLUDES BUILDINGS, ABOVE GROUND TANKS, SIGNS, RETAINING WALLS, FENCES, TRASH ENCLOSURES, SHADE STRUCTURES, STAIRWAYS, RAMPS, LIGHT POLES, LIGHT BOLLARDS, ETC. THIS DOES NOT INCLUDE ANY FLOOD CONTROL STRUCTURE SUCH AS PIPES, CULVERTS, ARCH CULVERTS, HEADWALLS, ETC. THIS DOES NOT INCLUDE ANY STRUCTURE LOCATED ON A STREET RIGHT-OF-WAY. THIS DOES NOT INCLUDE PRIVATE STREETS, THE REVIEW OF CIVIL IMPROVEMENT AND/OR GRADING PLANS DOES NOT INCLUDE ANY REVIEW OF ANY STRUCTURE THAT REQUIRES A BUILDING PERMIT APPLICATION."

ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL MAP NUMBERS 32003C1735E DATED SEPTEMBER 27, 2002 THE SITE IS LOCATED IN A ZONE "X". ZONE "X" AREAS ARE DEFINED AS AREAS OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD.

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1. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
2. SEE DETAIL SHEET FOR ON-SITE PAYEMENT SECTIONS. CONTRACTOR TO VERIFY WITH SOILS REPORT.
3. SEE FINAL MAP FOR EXACT PROPERTY LINE DIMENSIONS.
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8. SOIL REPORT NOTE:
GRADING SHALL BE IN ACCORDANCE
WITH SOILS REPORT PREPARED BY:
ENGINEER: SOUTHWEST GEOTECHNICAL
PROJECT NO. 182187
DATED: April 25, 2018
UPDATE: DECEMBER 03, 2021
*SEE DETAILS 21, 22, AND 23 ON SHEET D-2 FOR ROUGH GRADE SECTIONS
9. CUT/FILL ESTIMATES
EXISTING TO FINISH GRADE ELEVATIONS
NET CUT: 1.000
NET FILL: 1.000
10. SEE DETAIL 16/D-1 FOR TYPICAL LOT DRAINAGE
11. FOR STORMWATER RUNOFF MANAGEMENT NOTES REFER TO SHEET N-1

- 1) CONSTRUCT AC PAVEMENT PER DETAILS 1 AND 2 ON SHEET 1
- 2) CONSTRUCT 30" ROLL CURB PER CCAUSD #217.2.51
- 3) CONSTRUCT 5" CURB TRANSITION FROM 24" L" TYPE CURB AND GUTTER TO 30" ROLL CURB PER DETAIL 17 ON SHEET D-1
- 4) CONSTRUCT 8" CROSS GUTTER PER CCAUSD #228
- 5) CONSTRUCT 5' SIDEWALK PER CCAUSD #234
- 6) (SEE "T" WHEN ADJACENT TO ROLL CURB)
- 7) CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD #235 (CASE 1) SEE PLAN ATTACHED SHEET CURVE TABLES FOR "A" AND "B" DIMENSIONS
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- 15) EX SIDEWALK TO REMAIN
- 16) EX SIDEWALK RAMP TO REMAIN
- 17) EX 1" CURB AND GUTTER TO REMAIN
- 18) EX PED ACCESS GATE TO REMAIN
- 19) EX CONCRETE FLUME TO REMAIN
- 20) EX VALLEY GUTTER TO REMAIN
- 21) REMOVE EXISTING RIPRAP
- 22) INSTALL BOLLARDS AT 5' ON CENTER PER CCAUSD #425.51

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STANDARD DRAWING NUMBER 243. OWNER IS ALSO RESPONSIBLE TO
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CHRISTOPHER R. ZRINYI, PE NO. 13976

DATE: April 11, 2022		REV	DESCRIPTION	BY	APPD	DATE
HORIZ. SCALE:	1" = 30'					
VERT. SCALE:	N/A					
DRAWN BY:	DU					
DESIGNED BY:	GR					
CHECKED BY:	GR					
DATE:	03/22					
APPROVED BY:						
PROJECT #:	3046-0859					

LENNAR®
 9275 W. RUSSELL RD SUITE 400 LAS VEGAS, NV 89148
 PHONE: (702) 736-9100 FAX: (702) 736-9200

RCI ENGINEERING
 300 SOUTH RANCHO DRIVE, SUITE 17, LAS VEGAS, NV 89106
 MAIN: 702-453-0800 FAX: 702-453-0801

IMPROVEMENT PLANS FOR
SUNSTONE PARCEL G UNIT 2
(AKA ASHER AT SUNSTONE)
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
GRADING PLAN (SHEET 2 OF 3)



DATE: 4-11-22

DRAWING

G-2

SHT 4 OF 7

CLV DRAWING NUMBER

CLV PROJECT #

C:\3040	LENR\0059	Sunstone G\ CIVIL\	IPS\U2\S0003	G-1.dwg	crivera	4/11/22	6:27 pm
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DISCLAIMER NOTE:

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CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

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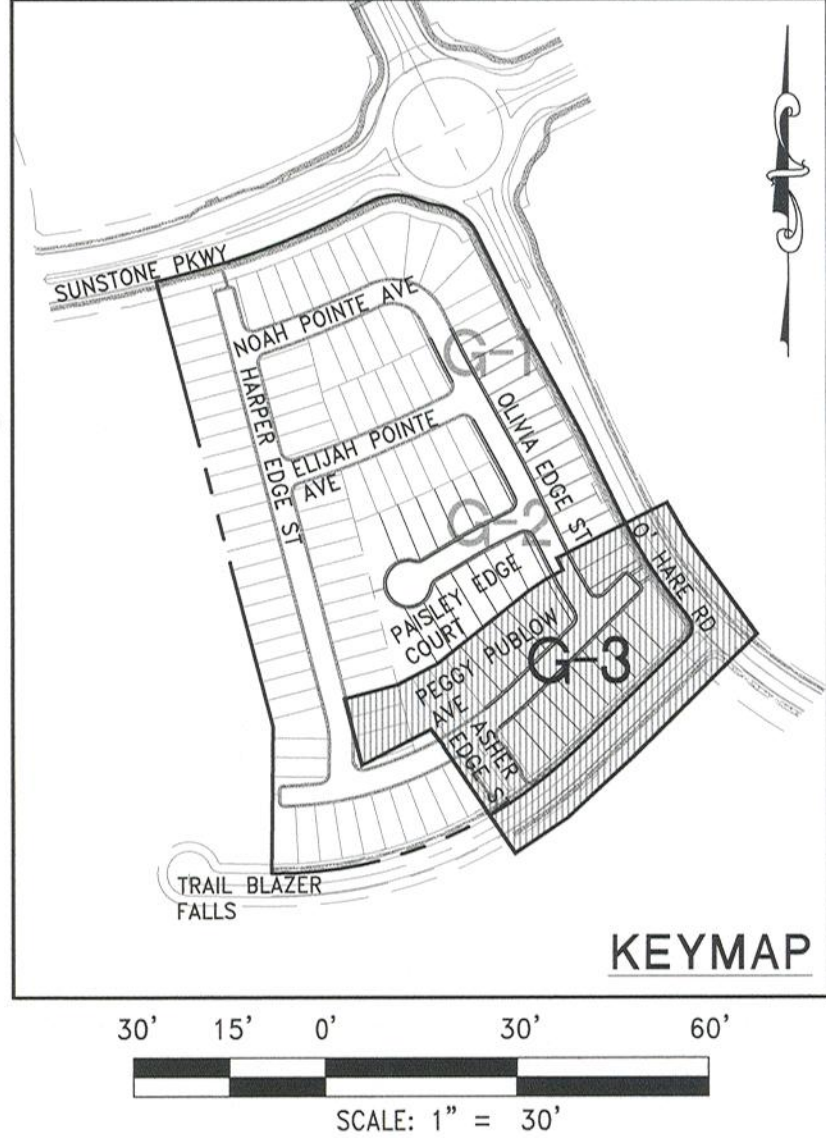
ENGINEERS NOTES

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8. SOIL REPORT NOTE:
GRADING SHALL BE IN ACCORDANCE WITH SOILS REPORT PREPARED BY:
ENGINEER: SOUTHWEST GEOTECHNICAL
PROJECT NO. 182187
DATED: April 25, 2018
UPDATED: DECEMBER 03, 2021
*SEE DETAILS 21, 22, AND 23 ON SHEET D-2 FOR ROUGH GRADE SECTIONS

9. CUT/FILL ESTIMATES
EXISTING TO FINISH GRADE ELEVATIONS
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NET FILL: 1,000
10. SEE DETAIL 16/D-1 FOR TYPICAL LOT DRAINAGE
11. FOR STORMWATER RUNOFF MANAGEMENT NOTES REFER TO SHEET N-1

CONSTRUCTION NOTES

1. CONSTRUCT AC PAVEMENT PER DETAILS 1 AND 2 ON SHEET D-1
2. CONSTRUCT 30" ROLL CURB PER CCAUSD #217.2.51
3. CONSTRUCT 5' CURB TRANSITION FROM 24" 'L' TYPE CURB AND GUTTER TO 30" ROLL CURB PER DETAIL 17 ON SHEET D-1
4. CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228
5. CONSTRUCT 5' SIDEWALK PER CCAUSD #234 (6" THICK WHEN ADJACENT TO ROLL CURB)
6. CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD #235 (CASE 1) SEE PLAN AND PROFILE SHEET CURVE TABLES FOR "A" AND "B" DIMENSIONS
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14. EX SIDEWALK TO REMAIN
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16. EX 'L' CURB AND GUTTER TO REMAIN
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19. EX VALLEY GUTTER TO REMAIN
20. REMOVE EXISTING RIPRAP
21. INSTALL BOLLARDS AT 5' ON CENTER PER CCAUSD #425.51



REV	DATE	DESCRIPTION
BY	APPRO	
1	2022	
2	2022	
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30	2022	

LENNAR
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IMPROVEMENT PLANS FOR
SUNSTONE PARCEL G UNIT 2
(AKA ASHER AT SUNSTONE)
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
GRADING PLAN (SHEET 3 OF 3)

PROFESSIONAL ENGINEER
CHRISTOPHER R. ZRINYI
Exp. 6/30/2022
CIVIL
No. 13976

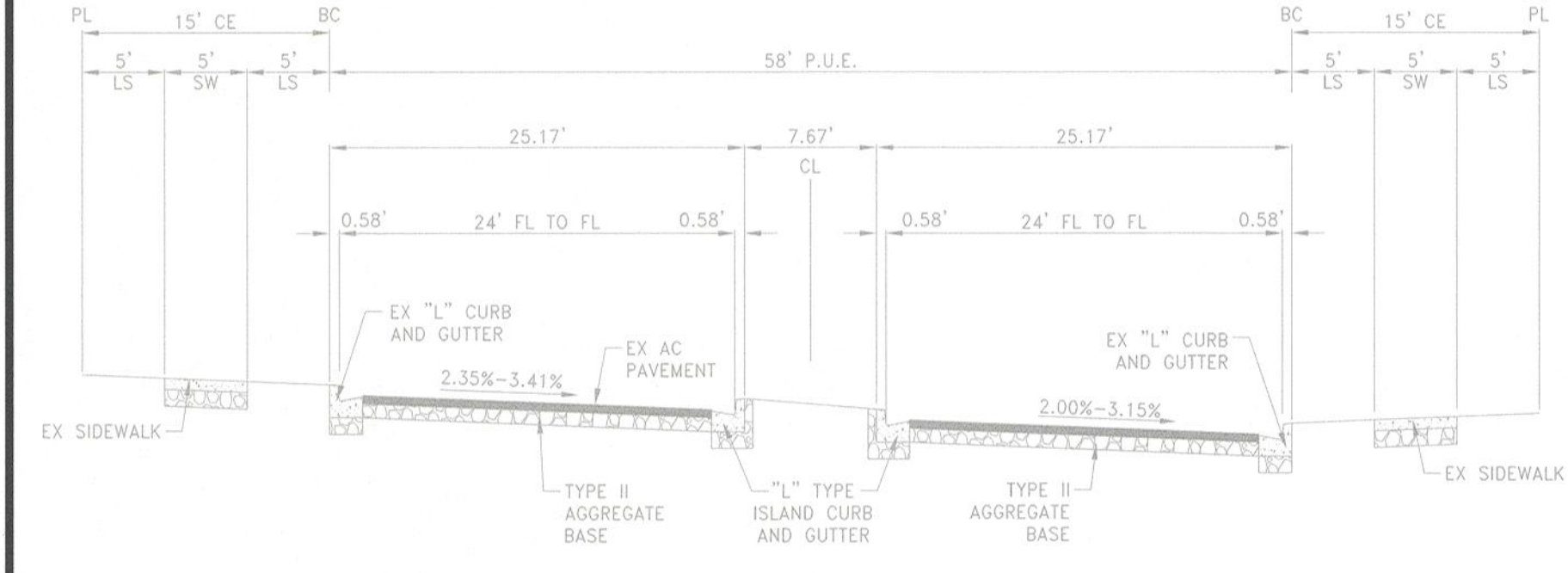
DATE: 4-11-22

DRAWING
G-3
SHT 5 OF 7
CLV DRAWING NUMBER
CLV PROJECT #

I HEREBY CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY DS #_____ ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

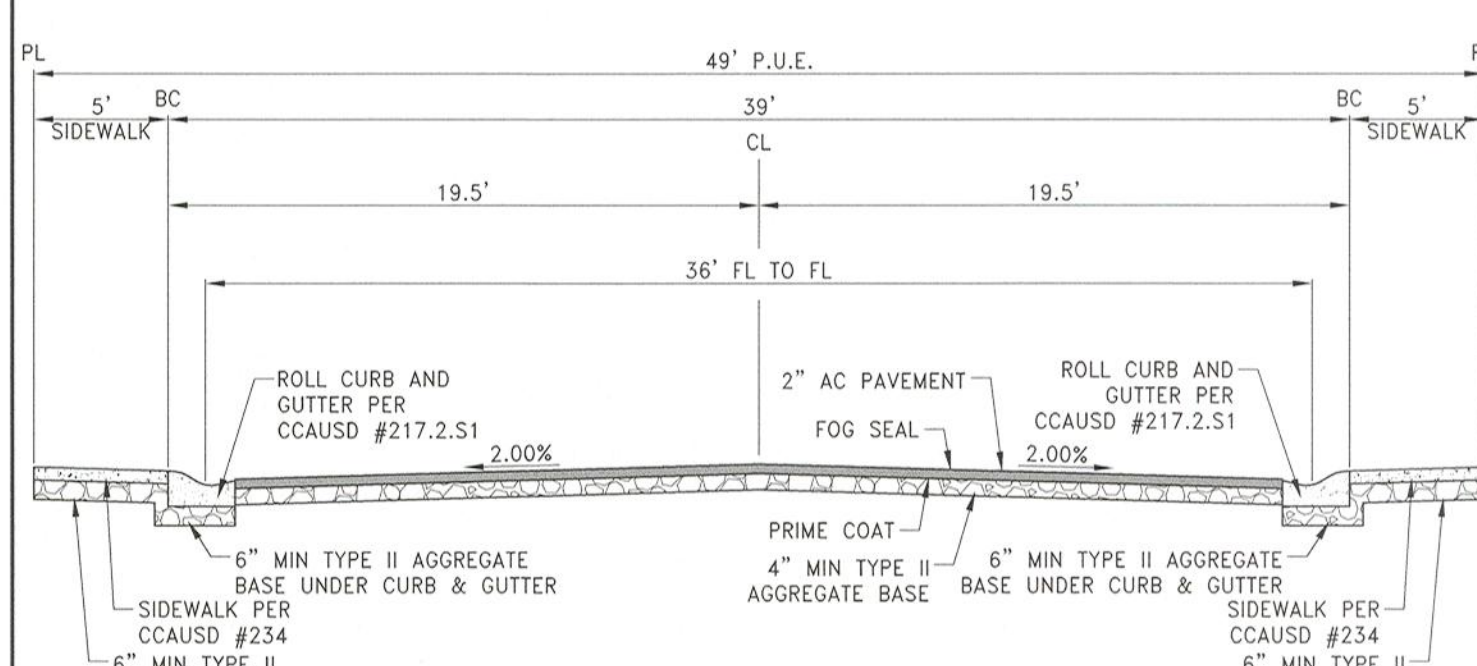
CHRISTOPHER R. ZRINYI, PE NO. 13976 DATE

NOT: ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

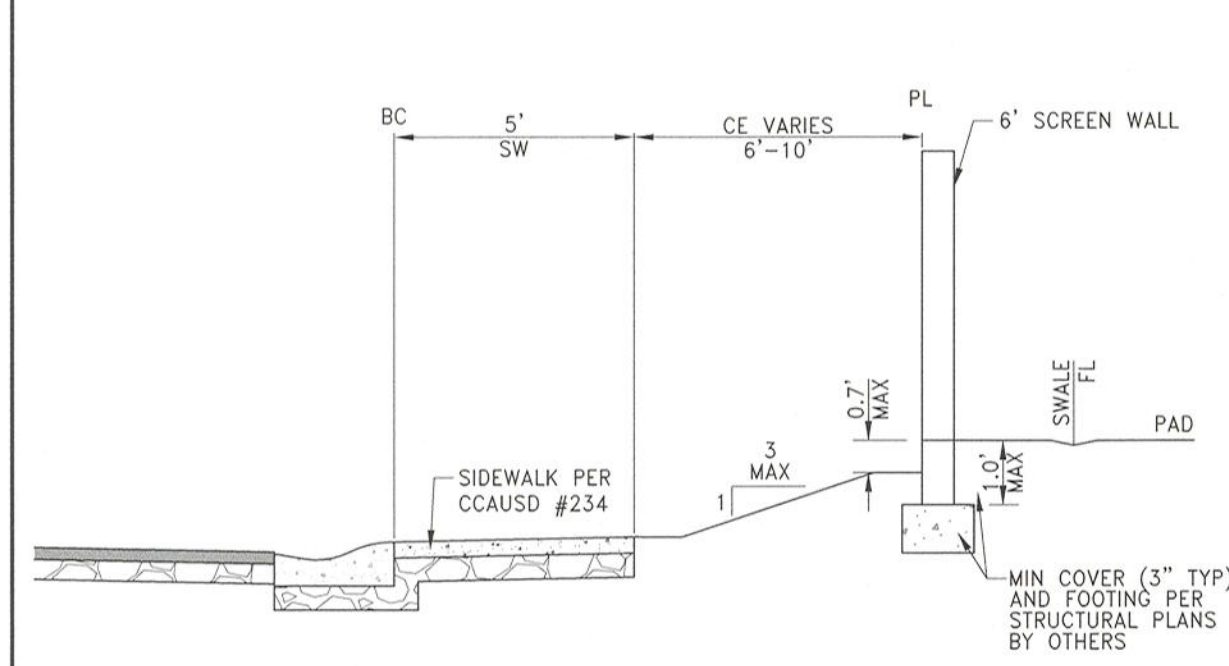


1 EX COMMUNITY ENTRY ROAD
D-1 PRIVATE - SIDEWALK AND LANDSCAPE BOTH SIDES SCALE: NTS

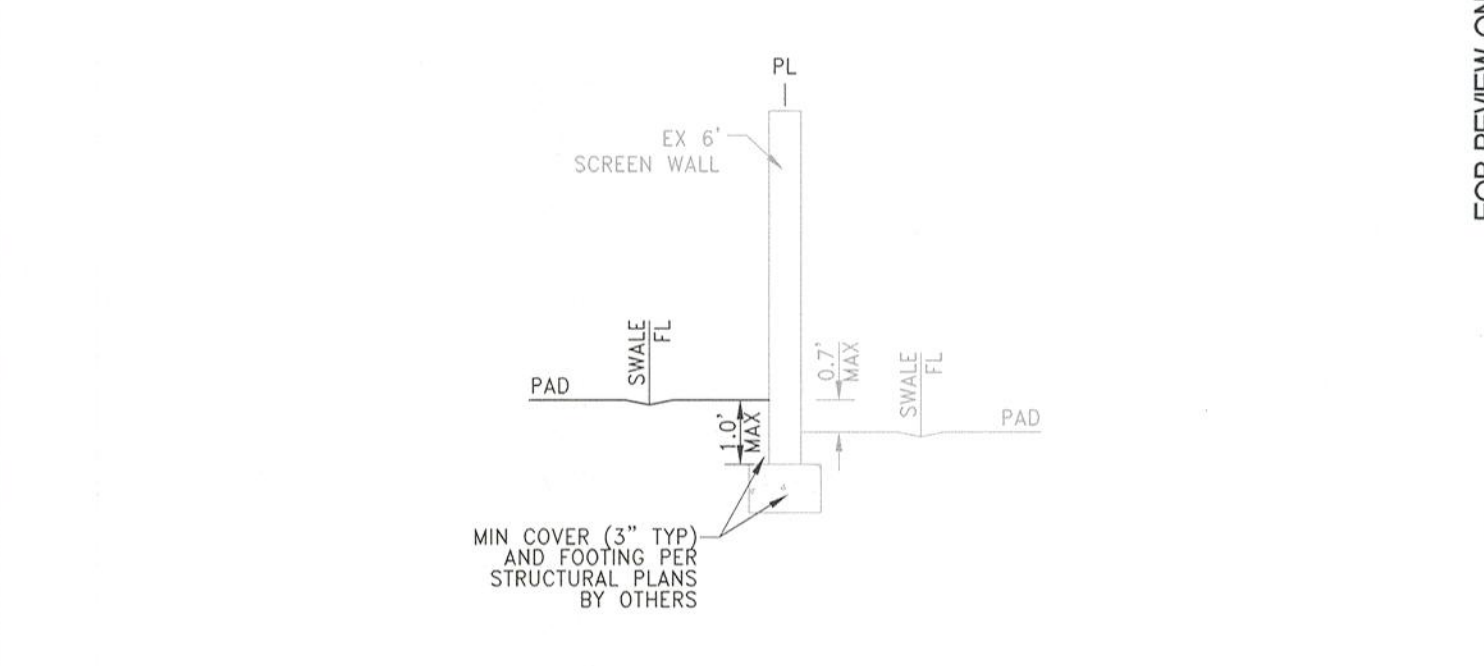
NOT: ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.



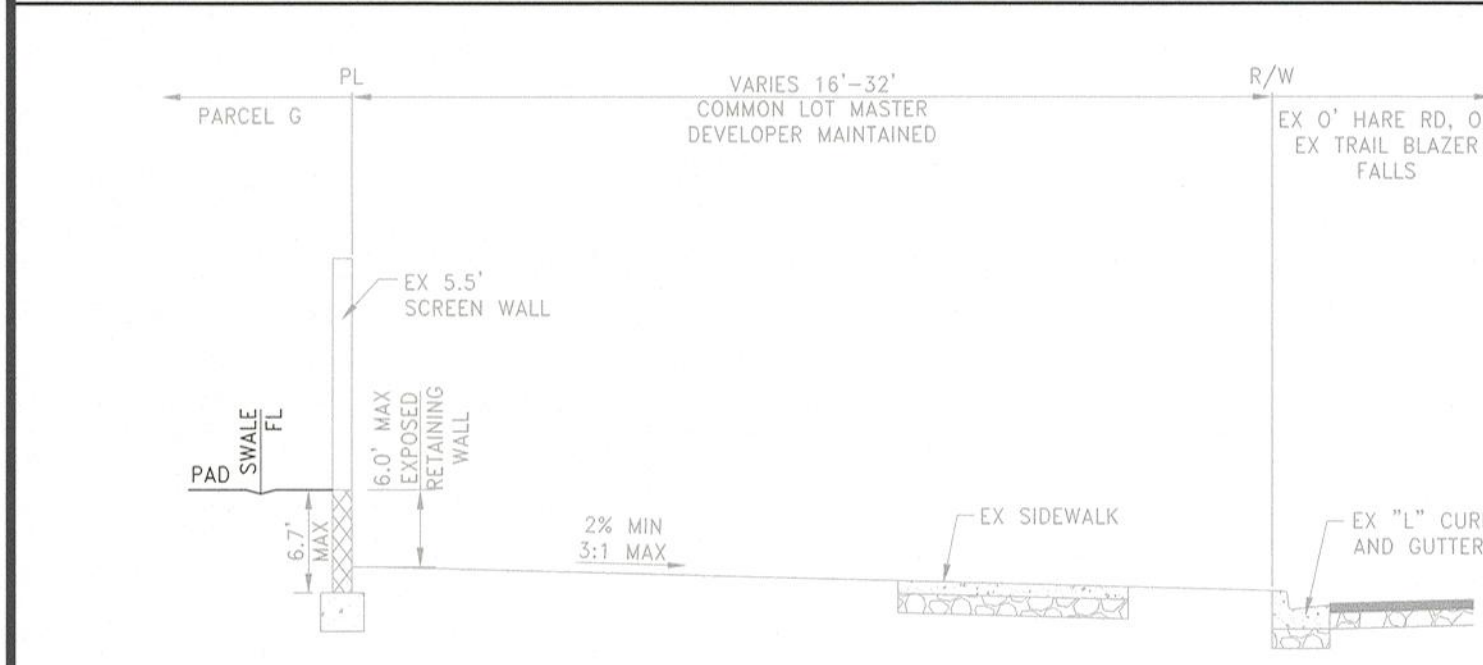
2 ONSITE PRIVATE 49' STREET
D-1 PRIVATE - 5' SIDEWALK BOTH SIDES SCALE: NTS



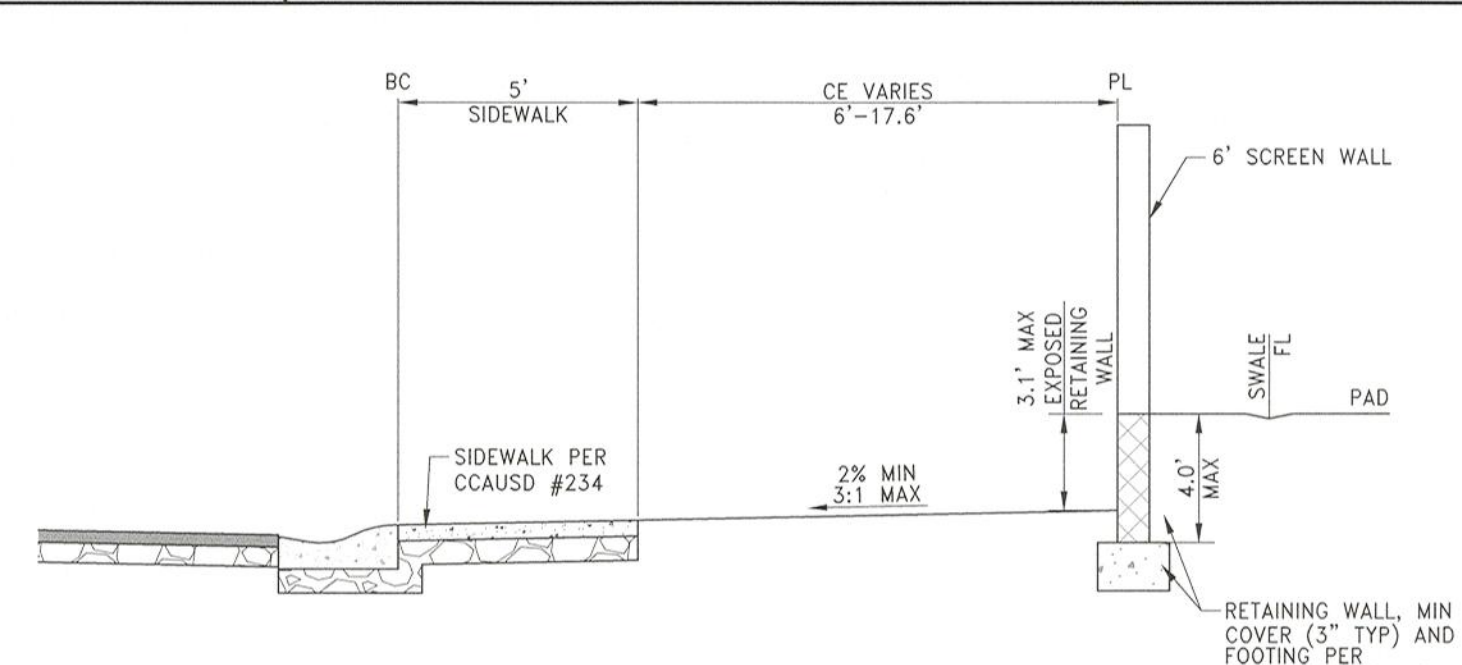
3 SIDE YARD TO STREET (PAD ABOVE)
D-1 NO RETAINING SCALE: NTS



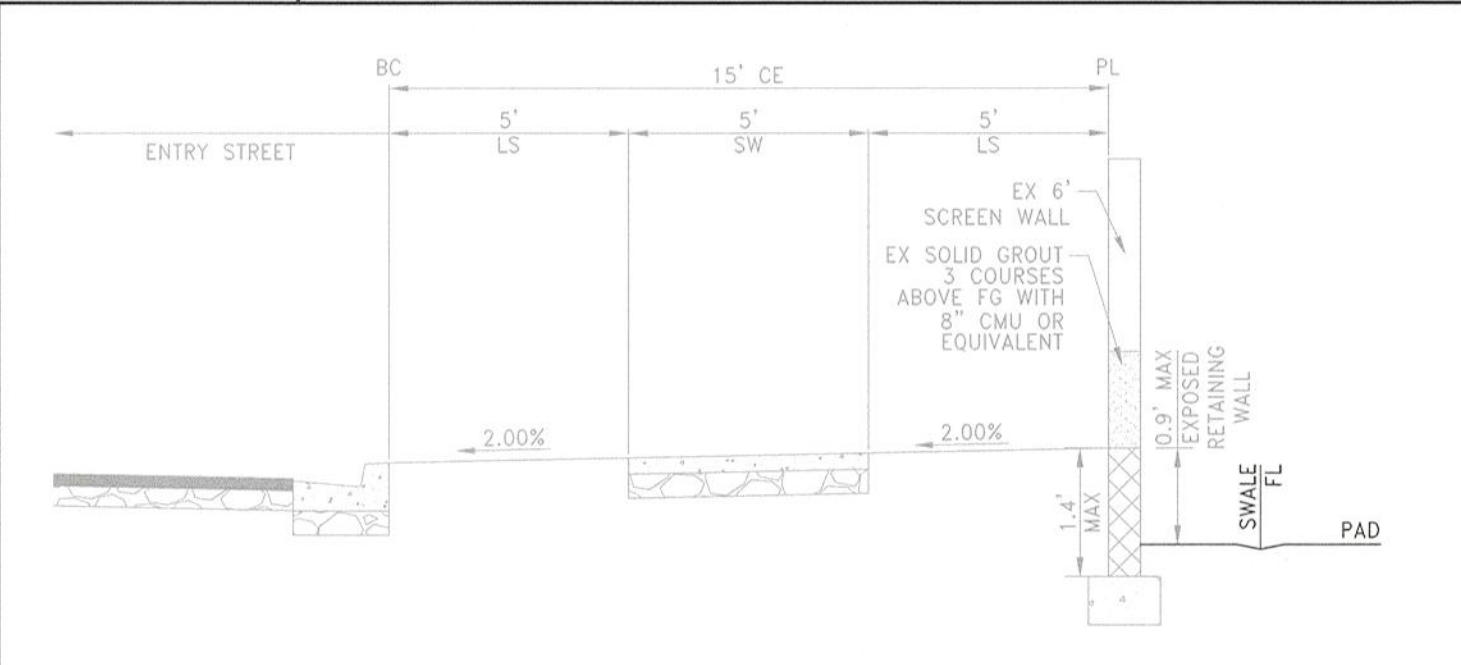
4 SIDE/REAR YARD TO SIDE/REAR YARD
D-1 NO RETAINING SCALE: NTS



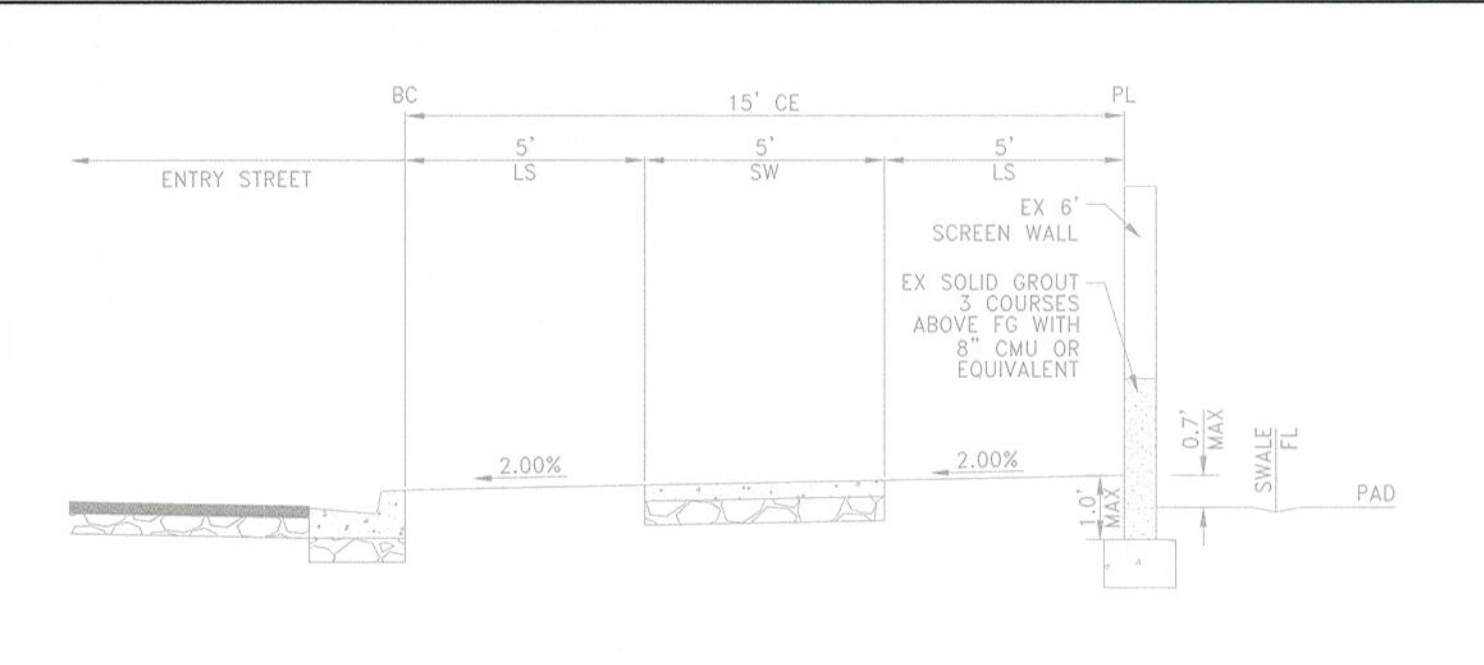
5 EX PERIMETER STREET
D-1 WITH EXISTING RETAINING SCALE: NTS



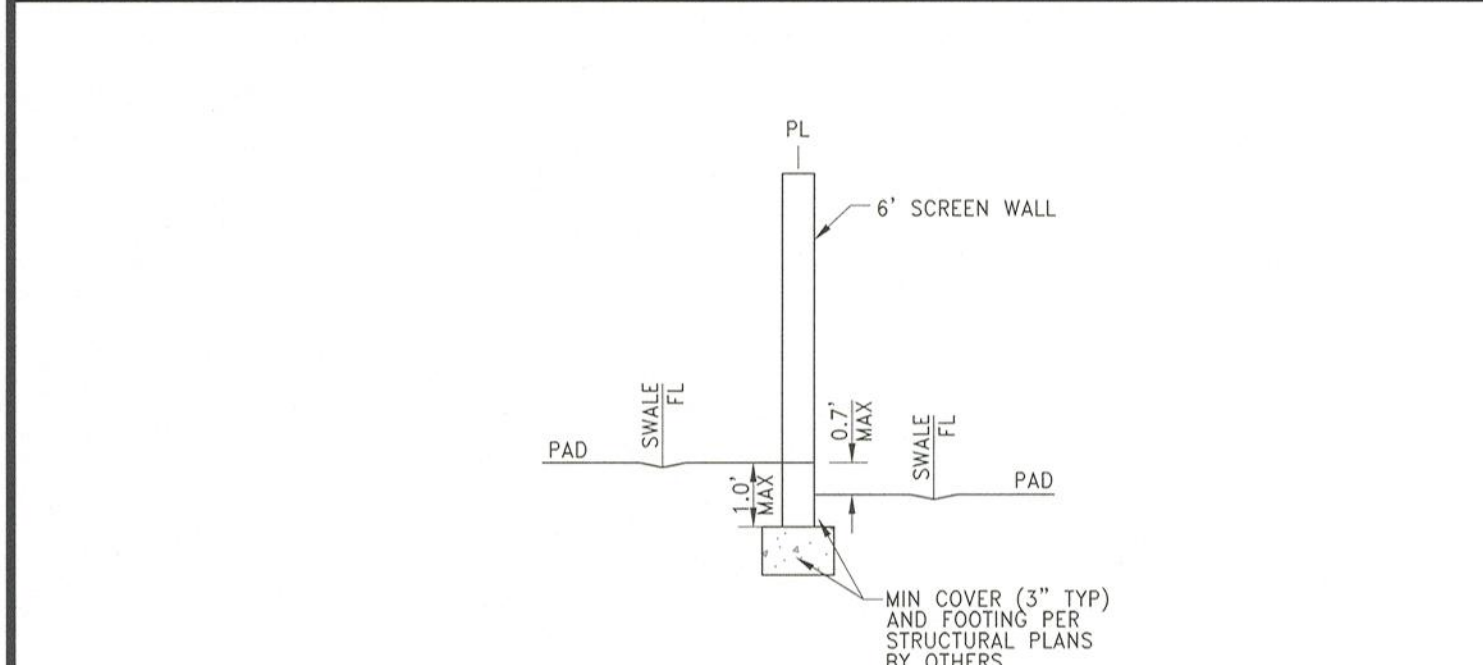
6 SIDE YARD TO STREET (PAD ABOVE)
D-1 WITH RETAINING SCALE: NTS



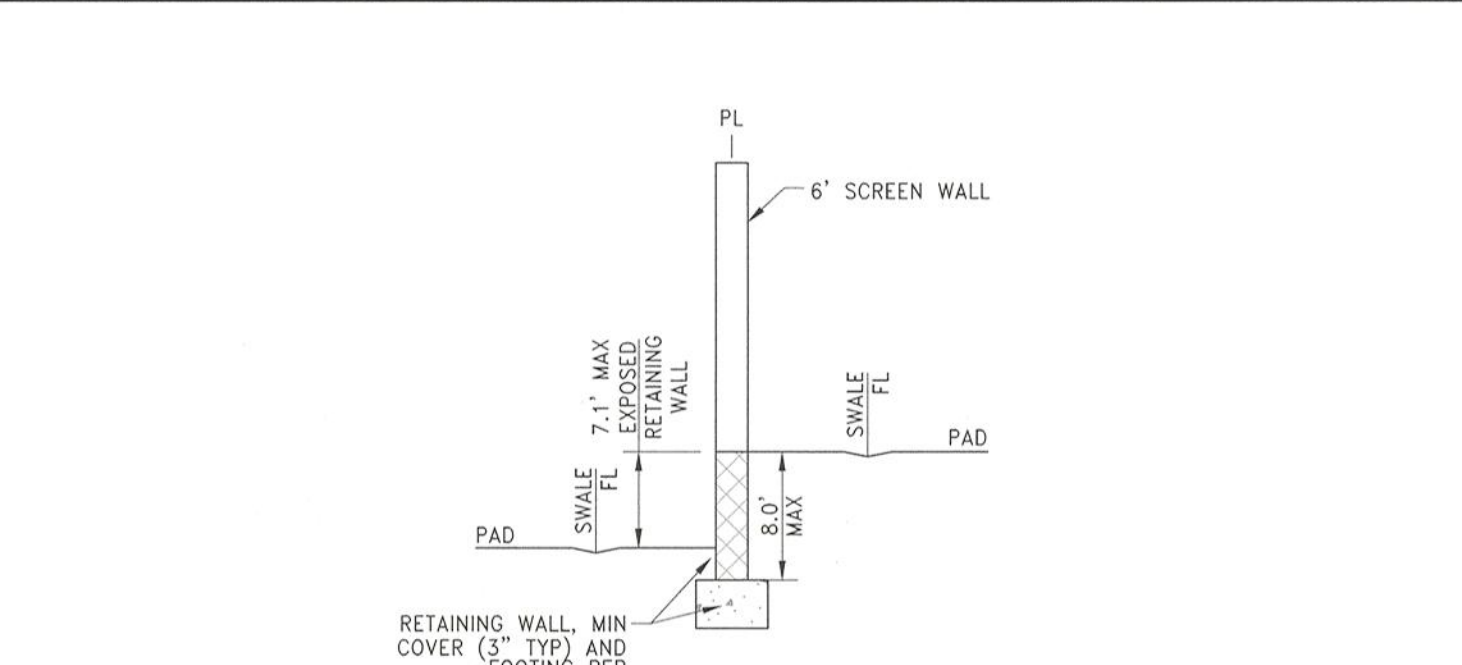
7 SIDE YARD TO ENTRY STREET (PAD BELOW)
D-1 WITH EXISTING RETAINING AND SOLID GROUT SCALE: NTS



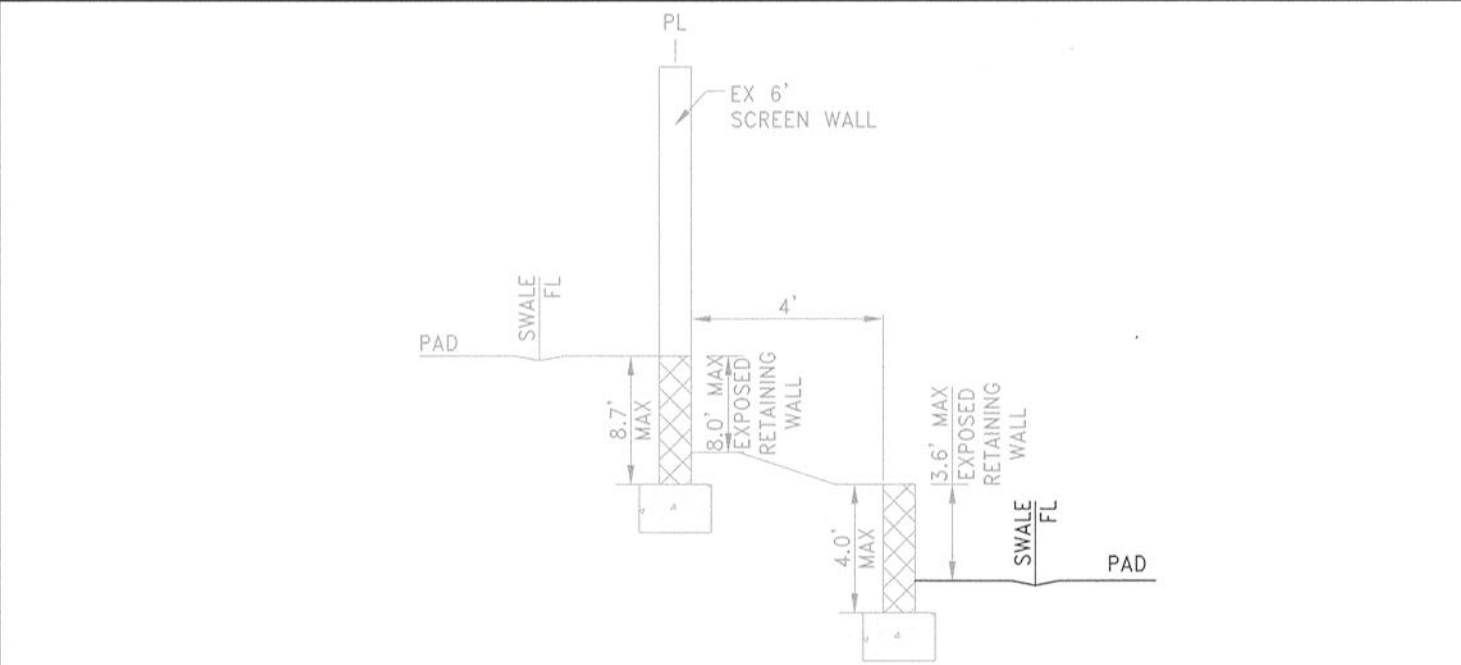
8 SIDE YARD TO ENTRY STREET (PAD BELOW)
D-1 NO RETAINING WITH EXISTING SOLID GROUT SCALE: NTS



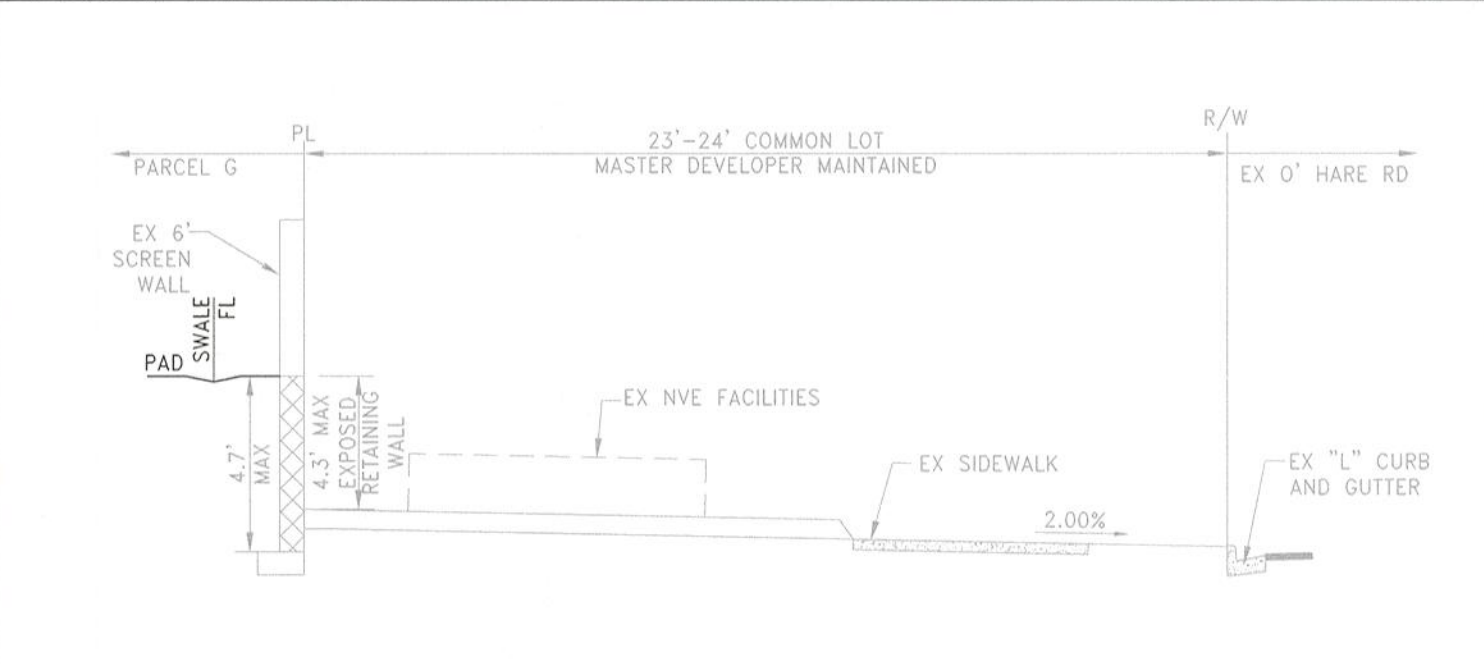
9 SIDE/REAR YARD TO SIDE/REAR YARD
D-1 NO RETAINING SCALE: NTS



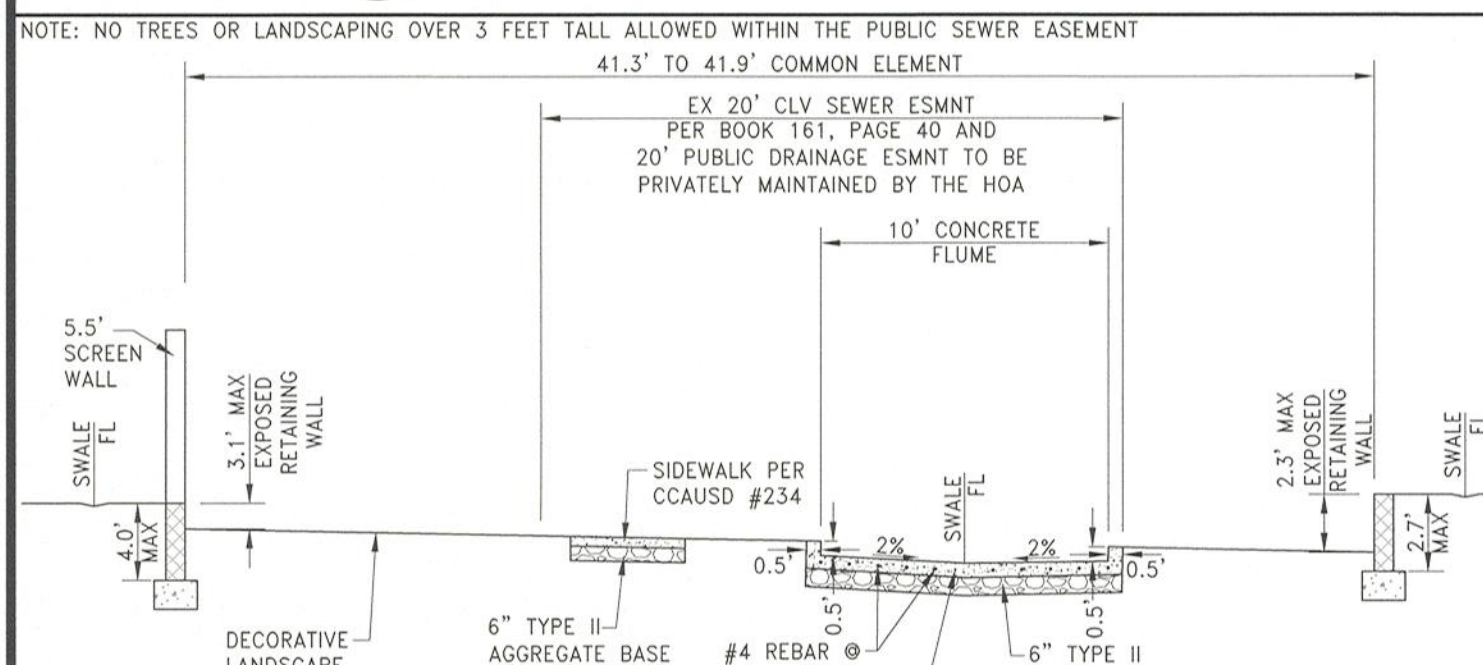
10 SIDE/REAR YARD TO SIDE/REAR YARD
D-1 WITH RETAINING SCALE: NTS



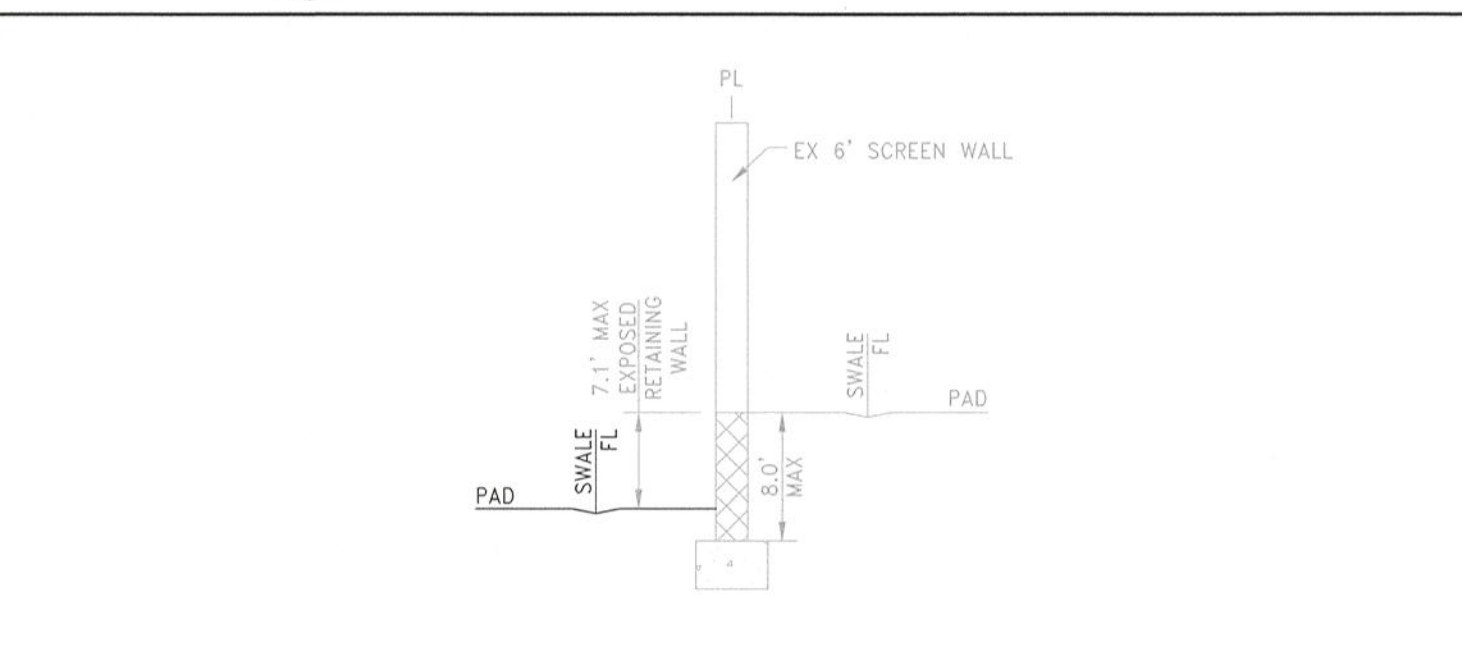
11 SIDE/REAR YARD TO EX DOUBLE WALL
D-1 WITH EXISTING DOUBLE RETAINING SCALE: NTS



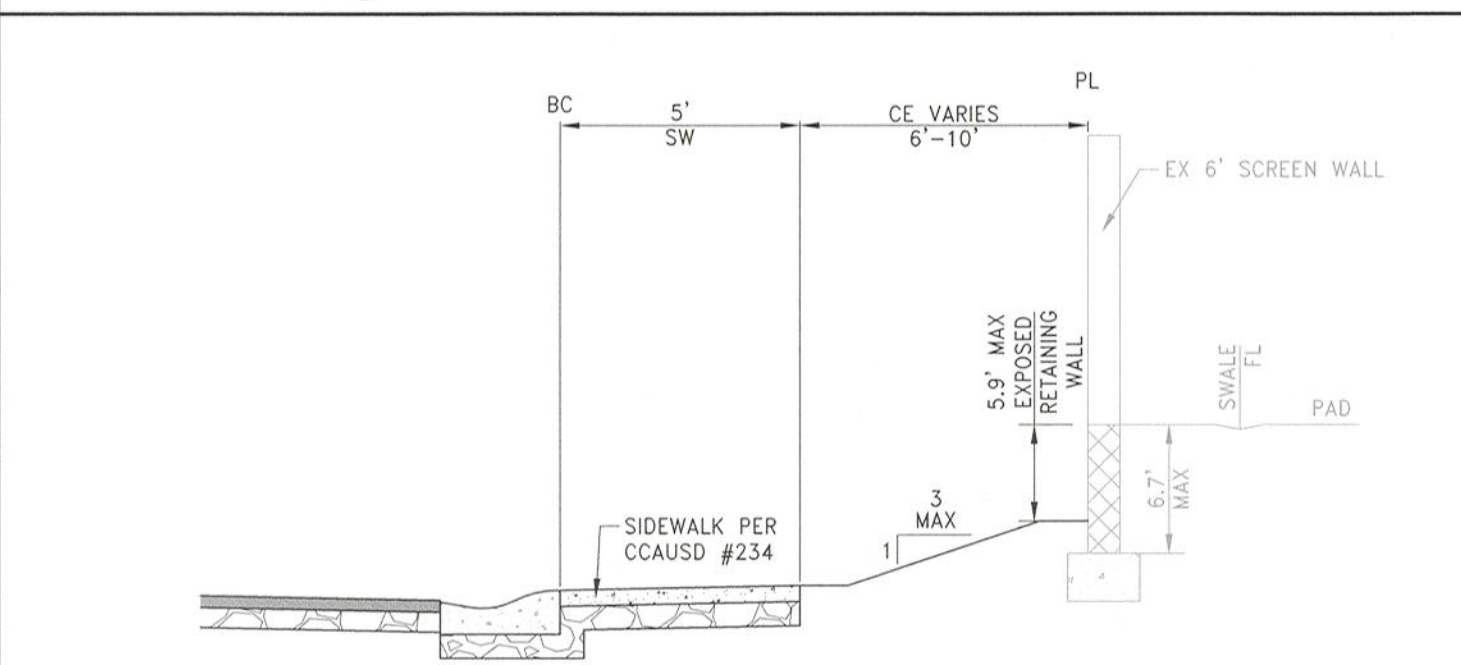
12 PADS ABOVE EXISTING ELECTRIC
D-1 WITH EXISTING RETAINING SCALE: NTS



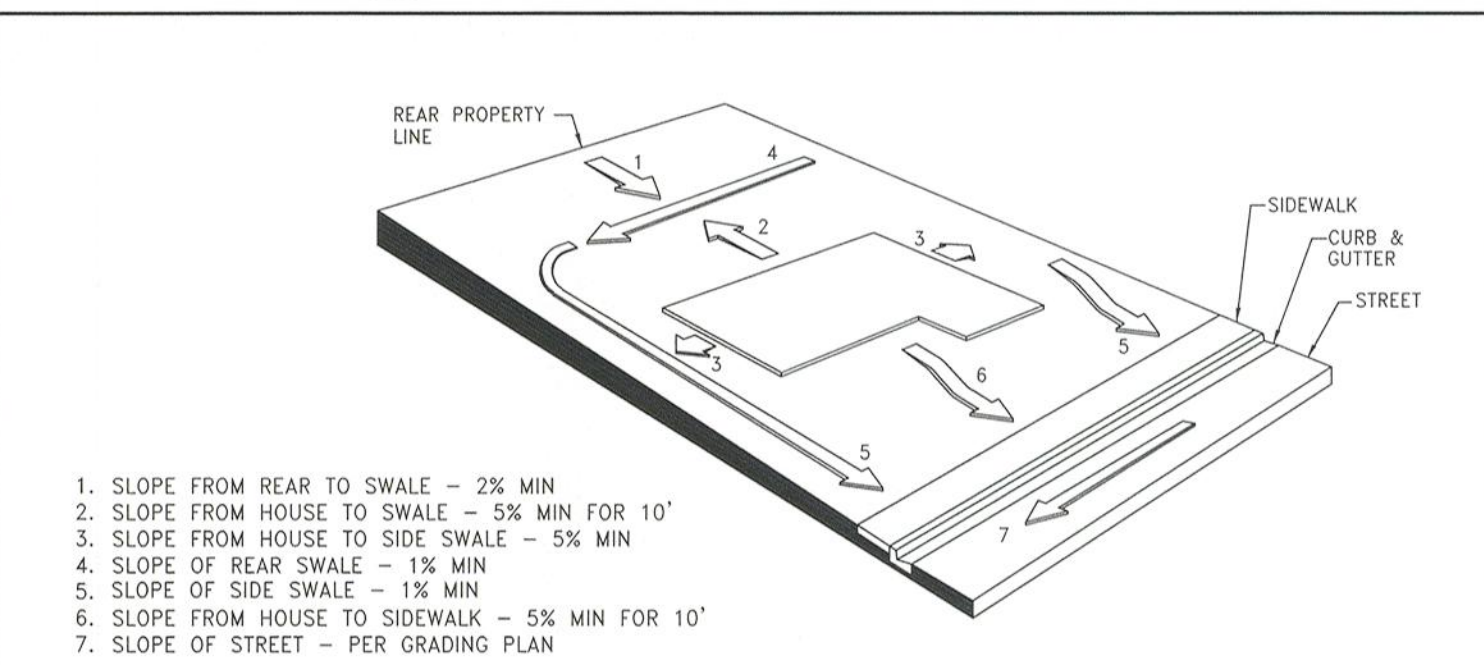
13 UTILITY EASEMENT
D-1 WITH RETAINING SCALE: NTS



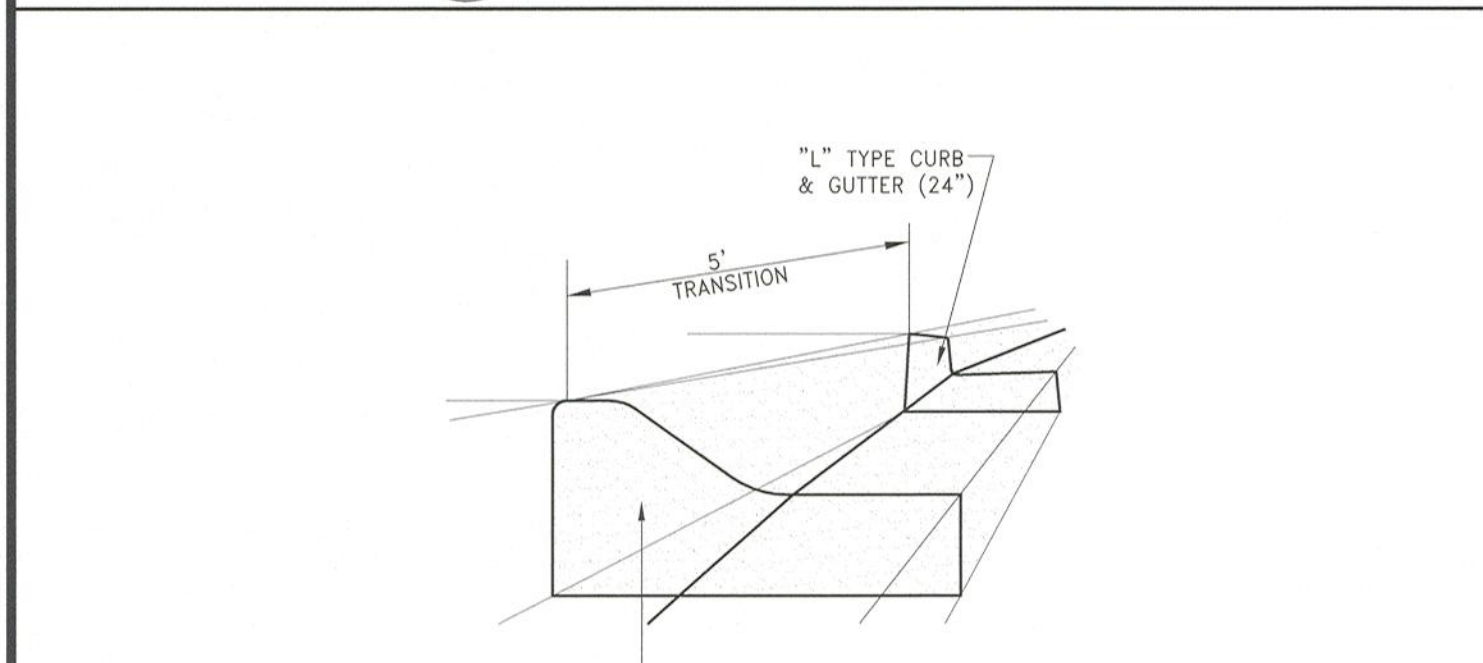
14 SIDE/REAR YARD TO SIDE/REAR YARD
D-1 WITH EXISTING RETAINING SCALE: NTS



15 EX SIDE YARD TO STREET (PAD ABOVE)
D-1 WITH EXISTING RETAINING SCALE: NTS



16 TYPICAL LOT DRAINAGE
D-1 SCALE: NTS



17 "ROLL" TYPE CURB TO "L" CURB TRANSITION
D-1 SCALE: NTS

GEOTECHNICAL NOTE:

A GEOLOGIST OR GEOTECHNICAL ENGINEER SHALL BE ON SITE DURING EXCAVATION AND MASS GRADING OPERATIONS TO EXAMINE THE SOIL CHARACTERISTICS AND GEOLOGICAL CONDITIONS ENCOUNTERED, AND TO PROVIDE PROFESSIONAL ADVICE TO THE OWNER IN THE EVENT THAT UNANTICIPATED SOIL PROBLEMS ARISE AND/OR SUBSURFACE SITE CONDITIONS ARE FOUND TO BE SIGNIFICANTLY DIFFERENT THAN DEFINED BY PRE EXPLORATION AND TESTING.

WALL & SCARP NOTE:

1. CONTRACTOR TO CONSTRUCT ALL SCARP AND MAINTAIN PROPER COVER OVER AND FROM ALL WALL FOOTINGS PER THE SOILS REPORT REFERRED TO ON THE GRADING PLANS. REPORT ANY PROBLEMS IN DOING SO TO THE DEVELOPER AND THE ENGINEER IMMEDIATELY.
2. SCARP LESS THAN 1' VERTICAL NOT SHOWN ON PLANS.
3. ALL WALL ALIGNMENTS SHALL FOLLOW SIGHT VISIBILITY ZONE ALIGNMENT AND REMAIN OUTSIDE OF SIGHT VISIBILITY ZONE.

DATE	BY	APPD	DATE
APRIL 11, 2022	N/A		
HORIZ. SCALE:	N/A		
VERT. SCALE:	DU		
DRAWN BY:	CR		
DESIGNED BY:	CR		
CHECKED BY:	CR		
APPROVED BY:	CR		
PROJECT #:	3040.0059		

LENNAR
9275 W. RUSSELL RD. SUITE 400, LAS VEGAS, NV 89148
PHONE: (702) 736-9100 FAX: (702) 736-9200

RCI ENGINEERING
500 SOUTH RANCHO DRIVE, SUITE 17, LAS VEGAS, NV 89106
MAIN: 702.453.0800 FAX: 702.453.0801

IMPROVEMENT PLANS FOR
SUNSTONE PARCEL G UNIT 2
(AKA ASHER AT SUNSTONE)
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
GRADING DETAILS (SHEET 1 OF 2)

PROFESSIONAL ENGINEER
CHRISTOPHER R. ZRINYI
Exp. 6/30/2022
CIVIL
No. 15976 VTA

DATE: 4-11-22
DRAWING: D-1
SHT 6 OF 7
CLV DRAWING NUMBER
CLV PROJECT #



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9275 W. WESLEY RD. SUITE 400, LAS VEGAS, NV 89148
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RCI ENGINEERING
500 SOUTH RANCHO DRIVE, SUITE 17, LAS VEGAS, NV 89106
MARK: (702) 453-0800 FAX: (702) 453-0081



CHRISTOPHER R. ZRINYI
Exp. 6/30/2022
CIVIL
No. 13976

DATE: 4-11-22

DRAWING

D-2

SHT 7 OF 7

CLV DRAWING NUMBER

CLV PROJECT #

GEOTECHNICAL NOTE:

A GEOLOGIST OR GEOTECHNICAL ENGINEER SHALL BE ON SITE DURING EXCAVATION AND MASS GRADING OPERATIONS TO EXAMINE THE SOIL CHARACTERISTICS AND GEOLOGICAL CONDITIONS ENCOUNTERED, AND TO PROVIDE PROFESSIONAL ADVICE TO THE OWNER IN THE EVENT THAT UNANTICIPATED SOIL PROBLEMS ARISE AND/OR SUBSURFACE SITE CONDITIONS ARE FOUND TO BE SIGNIFICANTLY DIFFERENT THAN DEFINED BY PRE EXPLORATION AND TESTING.

WALL & SCARP NOTE:

1. CONTRACTOR TO CONSTRUCT ALL SCARP AND MAINTAIN PROPER COVER OVER AND FROM ALL WALL FOOTINGS PER THE SOILS REPORT REFERRED TO ON THE GRADING SITE. REPORT ANY PROBLEMS IN DOING SO TO THE DEVELOPER AND THE ENGINEER IMMEDIATELY.

2. SCARP LESS THAN 1' VERTICAL NOT SHOWN ON PLANS.

3. ALL WALL FOOTINGS TO FOLLOW THE 10' HORIZONTAL SIGHT VISIBILITY ZONE ALIGNMENT AND BE BEYOND THE SIGHT VISIBILITY ZONE.