

CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST EDITION, THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST EDITION, THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE WITH HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS, MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMP AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY: MCGITTIGAN CONSULTING LLC, REPORT# 1802801, DATED: AUGUST 31, 2018 BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING, AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
21. AFTER HAUNCHING AND 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 (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.
22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

DEVIATIONS TO STANDARDS

1. NONE

NOTE

THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCY.

CITY OF LAS VEGAS GRADING NOTES

1. 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.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. 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.
4. 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.
5. 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.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS, WITHIN THE FOLLOWING HORIZONTAL, VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

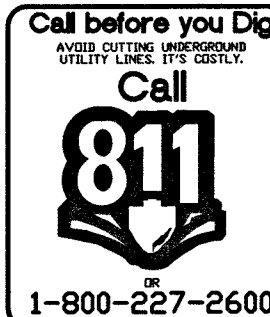
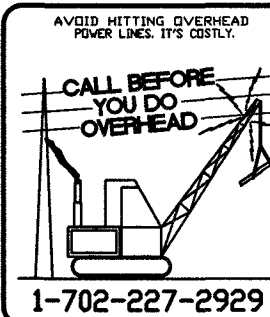
	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1" +0.0' TO -0.1'	SEE SOILS REPORT	
B. ENGINEERED FILL	0.5" +0.1' TO -0.1'	SEE SOILS REPORT	
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL, OR DUST CONTROL, IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PRIVATE, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICAADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET INTERSECTIONS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THE WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF THE TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THESE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POST SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON PLANS TO BE MOUNTED ON A SIGN POST, THE PROPOSED SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC INTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER. REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR MSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHTS OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE OFFICERS AND OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO THE DRIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS, AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

CITY OF LAS VEGAS FIRE & RESCUE GENERAL NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6325 FOR HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE AS ON THE LAS VEGAS VALLEY WATER DISTRICT'S APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. 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 CERTIFICATION FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM LAS VEGAS FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC 105.7.2
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC 3310, 3312
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF STREET ADJACENT TO THE FIRE HYDRANTS. IFC 507.5.7.2
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND WATER LINES SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC 106.3
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A. APPROVED AND SHALL BE RATED FOR APPROPRIATE WORKING PRESSURE. IFC 507.2.1, NEPA 24
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC 507
9. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED. IFC 507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY THE LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC 507
11. FIRE HYDRANTS SPACING SHALL BE AS FOLLOWS: IFC C102
 RESIDENTIAL - 500 FEET UNSPRINKLERED; 600 FEET SPRINKLERED.
 COMMERCIAL - 300 FEET UNSPRINKLERED; 400 FEET SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED, WHERE FIRE HYDRANTS ARE NEEDED FOR PROTECTION OF THE STRUCTURE, FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES, FIRE HYDRANTS SHALL BE INSTALLED AT NO MORE THAN 300 FEET SPACING. FIRE HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. IFC C102.8
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC C102.12
15. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FEET, AS MEASURED BY AN APPROVED ROUTE. IFC C102.4
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FEET, AS MEASURED BY AN APPROVED ROUTE. IFC C102.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FEET. IFC 102.8
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. SECTORIAL CONTROL SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN. IFC 104
19. 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 503.3.2
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE. SHALL NOT EXCEED 6% FOR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC 503.2.7, 503.2.8
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FEET OUTSIDE AND 28 FEET INSIDE TURNING RADIUS. IFC 503.2.4
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL BE NOT LESS THAN 13 FEET 6 INCHES. IFC 503.2.1
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 40 FT FLOW LINE TO FLOW LINE WITH PARALLEL PARKING PERMITTED ON BOTH SIDES, NOT LESS THAN 32 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE PARKING IS PERMITTED ONLY ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD, NOT LESS THAN 24 FEET WIDE, FLOW LINE TO FLOW LINE, WHERE NO PARKING IS PERMITTED ON EITHER SIDE. FIRE LANE TURNING RADIUS SHALL BE NOT LESS THAN 24 FT. IFC 503.2.1.1
24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC 503.1.1
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT. COMMERCIAL AND INDUSTRIAL DEVELOPMENTS WHERE BUILDINGS EXCEED 2 STORIES OR 30 FEET IN HEIGHT, OR EXCEEDING 62,000 SQUARE FEET IN AREA. IFC 503.1.2
26. ALL DEAD-END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA HAVING A MINIMUM DIAMETER OF 81 FT. IFC 503.2.5
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE. ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS 100 FT ALONG ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC 503.3
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE IFC 503.6 AND IFC APPENDIX M.



CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND 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 CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADD, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
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 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.
6. 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" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE 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 (0.1') OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR 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 C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

ABBREVIATIONS

BC - BACK OF CURB	MVR - METER VAULT REINFORCED
BCR - BEGIN CURB RETURN	N - NORTH
BVC - BEGIN VERTICAL CURVE	OC - ON CURVE
CG - CURB & GUTTER	PC - POINT OF CURVATURE
CL - CENTERLINE	PI - POINT OF INTERSECTION
CL INT - CENTERLINE INTERSECTION	PT - POINT OF TANGENCY
CO - SEWER CLEAN OUT	PVC - POLYVINYL CHLORIDE
DOM - DOMESTIC	PVI - POINT OF VERTICAL INTERSECTION
E - EAST	PZ - PRESSURE ZONE
ECR - END CURB RETURN	ROP - REINFORCED CONCRETE PIPE
ED - EDGE OF PAVEMENT	S - SOUTH
EV - END VERTICAL CURVE	SL - STREET LIGHT
EX - EXISTING	SS - SANITARY SEWER
FDC - FIRE DEPARTMENT CONNECTION	SW - SIDEWALK
FG - FINISH GRADE	TC - TOP OF CURB
FH - FIRE HYDRANT	TB - THRUST BLOCK
FL - FLOW LINE	TEL - TELEPHONE
FS - FINISHED SURFACE	TF - TOP OF FOOTING
GB - GRADE BREAK	TO - TOP OF GRADE
GV - GATE VALVE	TMH - TOP OF MANHOLE
HDPE - HIGH DENSITY POLYETHYLENE	TO - TOP OF PIPE
HP - HIGH POINT	TW - TOP OF RETAINING WALL
HY - FIRE HYDRANT	VG - VERTICAL CURVE
INV - INVERT	VG - VALLEY GUTTER
LP - LOW POINT	W - WEST OR WATER

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 8LVO1345SW6
 RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF LAS VEGAS BOULEVARD AND HOOVER AVENUE. (OLD #25W4C6)
 ELEVATION:
 614.996 METERS (NAVD '88) (PUBLISHED)
 2017.70 FT (CALCULATED)

BASIS OF BEARING

6 275°43'36" W BEING THE CENTERLINE OF SOUTH LAS VEGAS BOULEVARD BETWEEN HOOVER AVENUE AND GASS AVENUE AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FOR THE CITY OF LAS VEGAS RECORDED IN FILE 67, PAGE 79 OF SURVEYS IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA RECORDS.

ESTIMATE OF QUANTITIES

ESTIMATE OF PUBLIC QUANTITIES FOR PERMITTING PURPOSES ONLY				
DESCRIPTION	UNIT	PUBLIC	PRIVATE	TOTAL
GRADING IMPROVEMENTS				
CUT	CY	10	10	20
FILL	CY	15	10	25
EXCAVATION & EMBANKMENT	CY	25	20	45
BET HIGH WROUGHT IRON FENCE	LF	61	0	61
COMMERCIAL DRIVEWAY	SF	0	853	853
CONCRETE PAVEMENT	SY	0	488	488
CONCRETE SIDEWALK 5"	SF	607	491	1098
'A' CURB	LF	45	22	67
'L' CURB	LF	0	62	62
UTILITY IMPROVEMENTS				
WATER IMPROVEMENT ESTIMATES	UNIT	PUBLIC	PRIVATE	TOTAL
1" COPPER WATER LINE	LF	13	0	13
3/4" WATER METER	EA	1	0	1
0" RBP	EA	0	1	1
1" PVC WATER LINE	LF	0	86	86
SEWER IMPROVEMENT ESTIMATES	UNIT	PUBLIC	PRIVATE	TOTAL
6" PVC SEWER LINE	LF	0	77	77
6" CLEANOUT	EA	0	1	1
ABANDON 6" CLAY SEWER	EA	0	10	10

NOTICE TO CONTRACTORS:
 QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING HIS OWN QUANTITY TAKE OFF, AND BID ACCORDINGLY.

CITY OF LAS VEGAS STREET LIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADDED SPECIAL AREA STANDARDS.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ON GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WITH ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USDS NO. 320A.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEF0 PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.
8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.
11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEF0) AT (702) 229-6331.

LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA. APPROVED BY THE LVVWD.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCTS 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 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 STREETS, STREET SURFACES, ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.
15. 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 STREET PRIOR TO COMMENCING CONSTRUCTION, NO MATTER HOW 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.

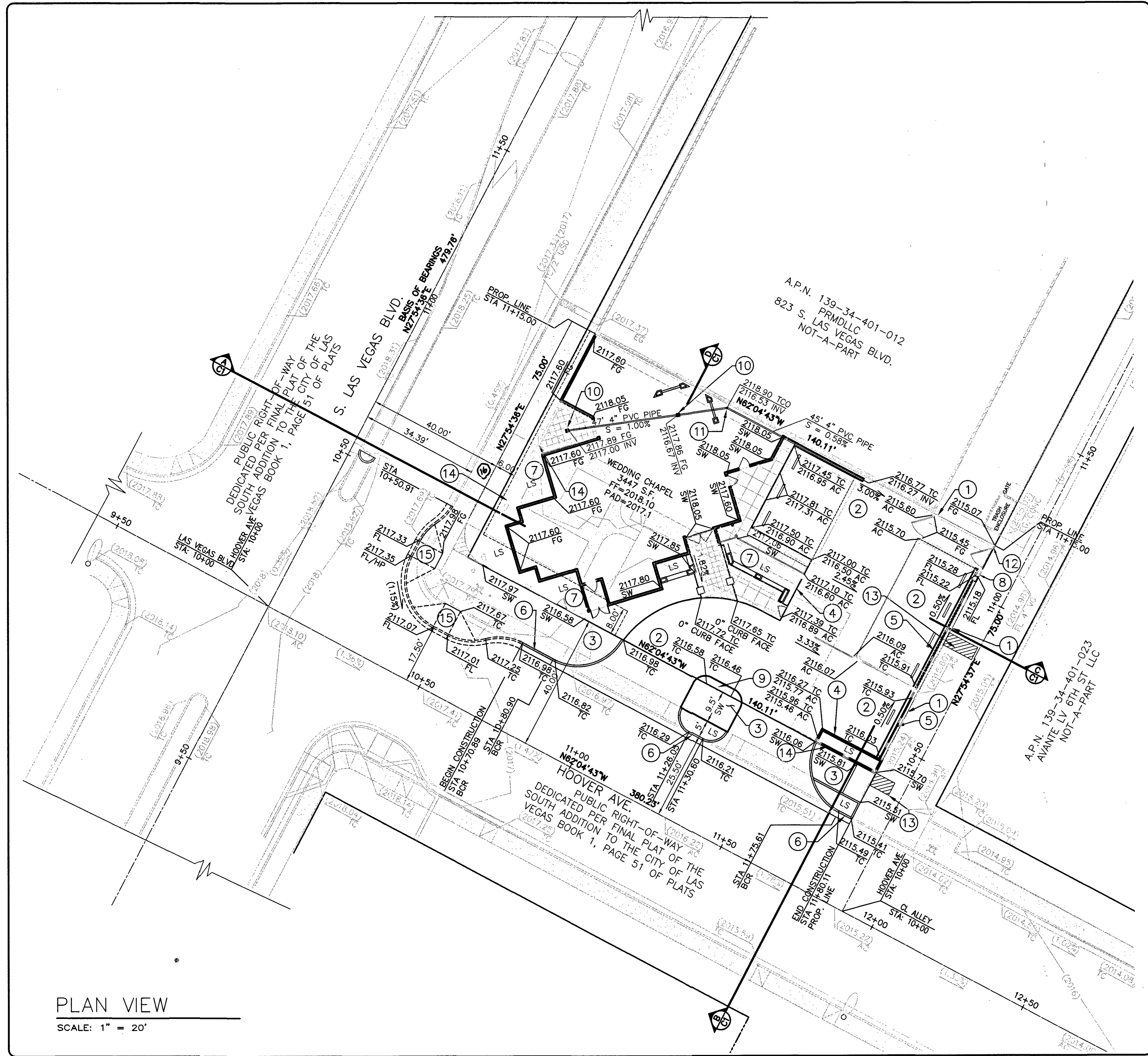
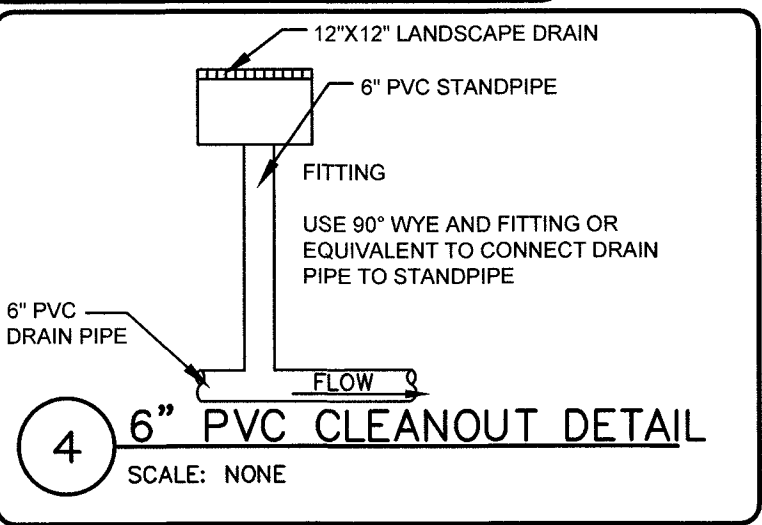
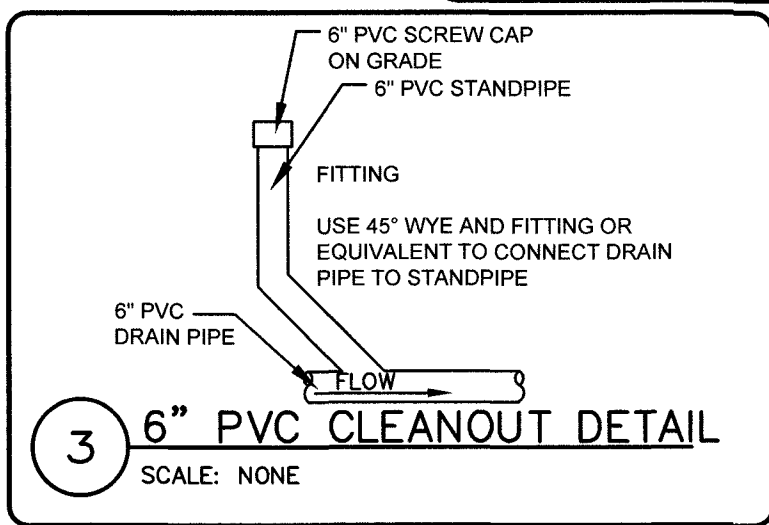
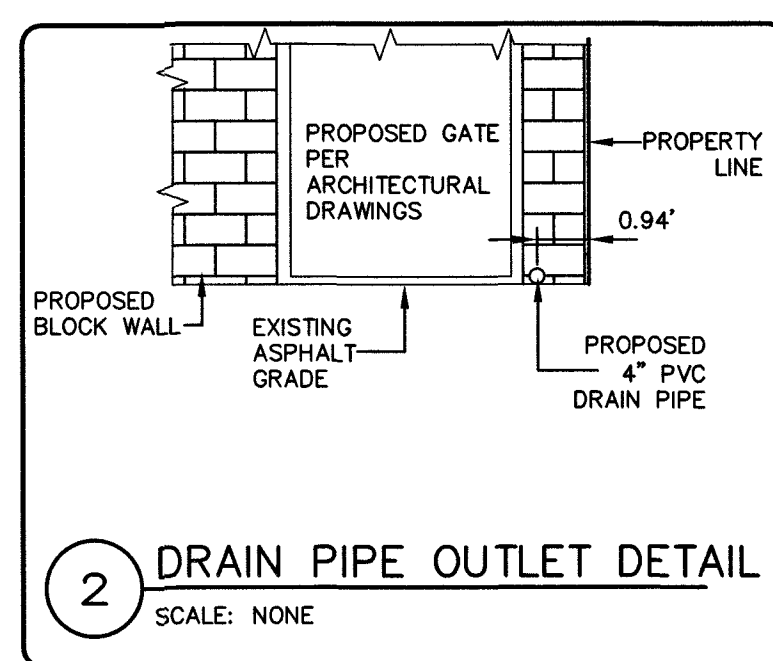
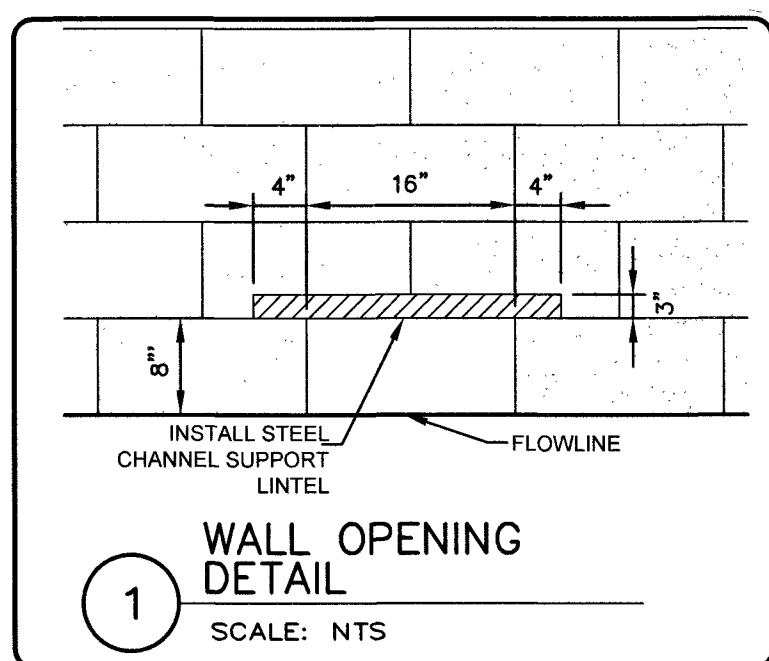
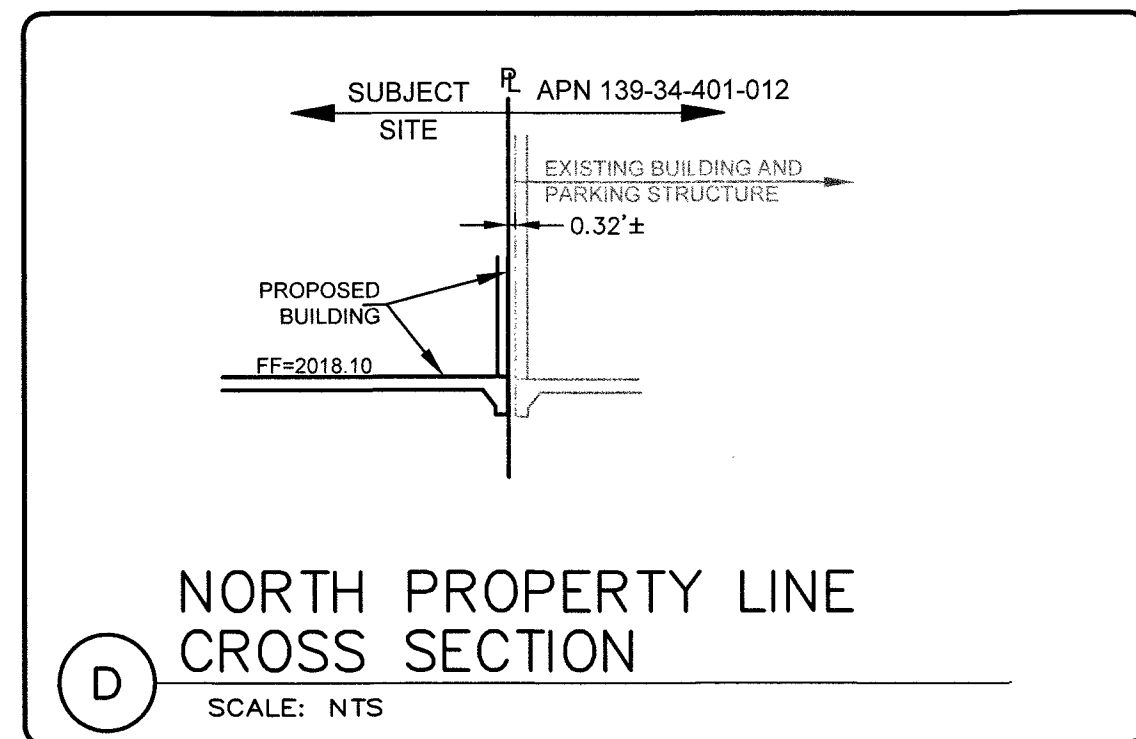
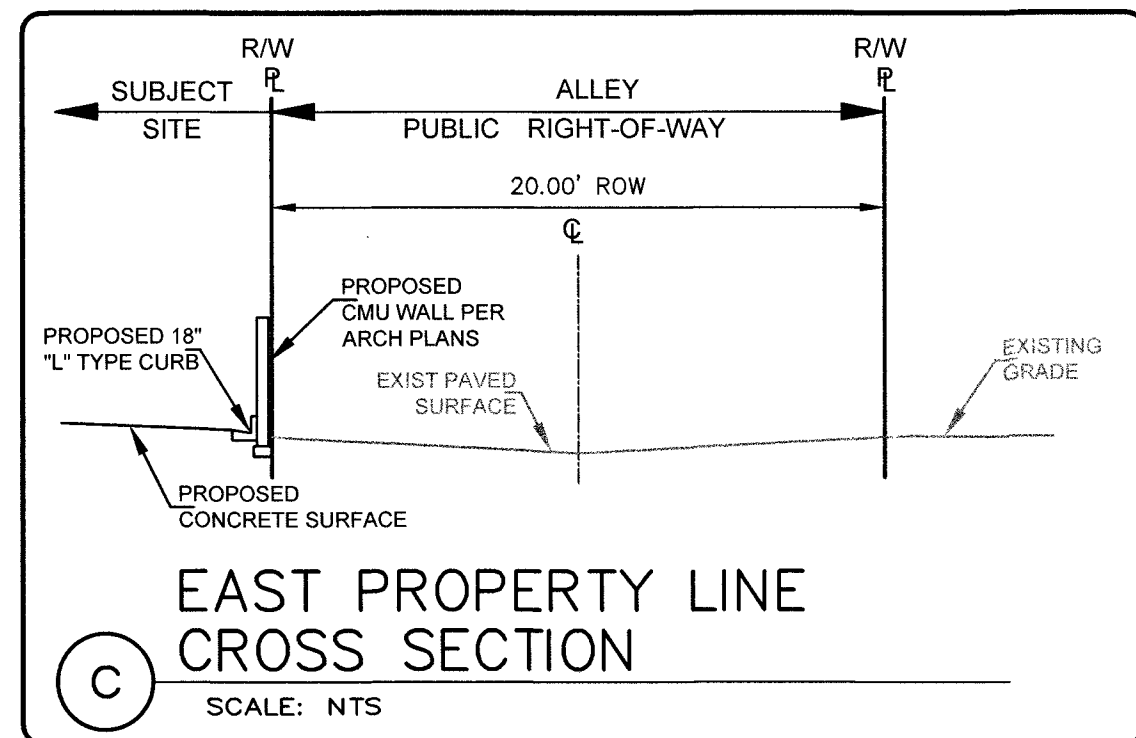
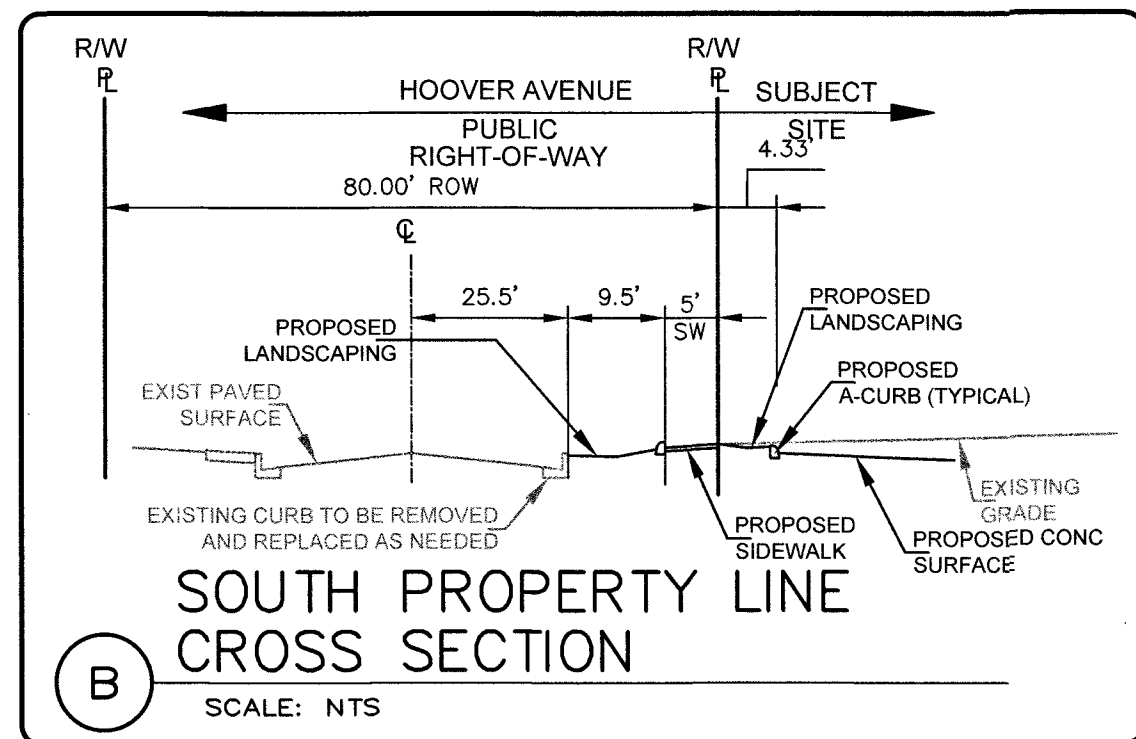
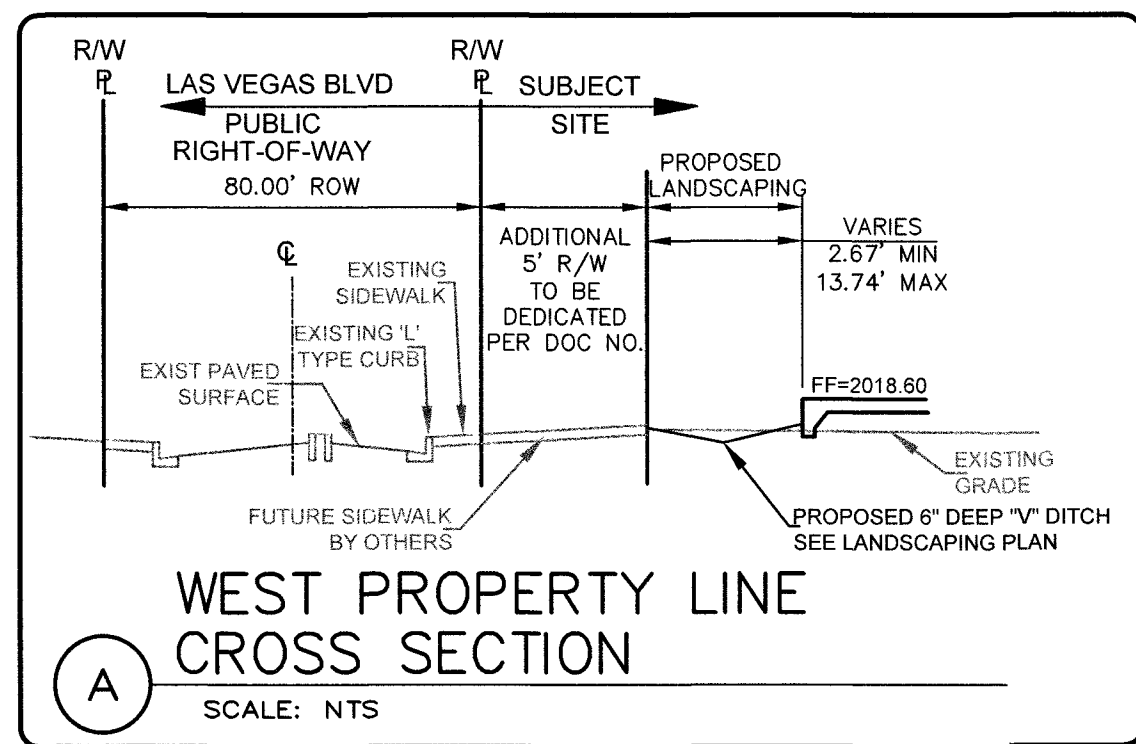
15. NO LEAD COMPLIANCE NOTE:
 TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

APPROVED FOR CONSTRUCTION

 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 PROJECT NO. 136127 DATE 5/13/19

ENGINEER'S NOTE

1. EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERM



- CONSTRUCTION NOTES
- INSTALL 10" CMU WALL PER ARCHITECTURAL PLANS
 - INSTALL CONCRETE PAVEMENT PARKING LOT
 - INSTALL SIDEWALK PER CCAUSD NO. 234
 - INSTALL 'A' CURB PER CCAUSD NO. 219
 - INSTALL 18" - "L" CURB PER CCAUSD NO. 219
 - INSTALL 24" - "L" CURB PER CCAUSD NO. 216
 - INSTALL LANDSCAPE PER ARCHITECTURAL PLANS
 - INSTALL WALL OPENING PER DETAIL 1, SEE SHEET C1
 - INSTALL 6" HIGH CONCRETE ISLAND
 - INSTALL 12" X 12" AREA DRAIN PER DETAIL 4, SEE THIS SHEET
 - INSTALL 6" CLEANOUT PER DETAIL 3, SEE SHEET C1
 - INSTALL PIPE IN WALL PER DETAIL 2, SEE SHEET C1
 - SAWOUT AND REPLACE EXISTING ASPHALT, SEE SHEET C2
 - INSTALL CMU WALL WITH WROUGHT IRON FENCE PER ARCHITECTURAL PLANS
 - FUTURE CURB, GUTTER, AND SIDEWALK TO BE DONE BY OTHERS
 - PUBLIC RIGHT-OF-WAY, DEDICATED PER DOCUMENT NUMBER: 20190217-0002631

- STORM WATER BEST MANAGEMENT PRACTICES NOTES
- PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES SUCH AS BUT NOT LIMITED TO THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF THE VEGETATION.

- ENGINEER'S NOTES
- CONTRACTOR TO VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL.
 - DURING CONSTRUCTION:
 - ENGINEER TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR
 - CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.
 - ALL WORK SHALL CONFORM WITH THE GEOTECHNICAL REPORT PREPARED BY: McGETTIGAN CONSULTING LLC PROJECT#: 1802601, DATED: AUGUST 31, 2018.

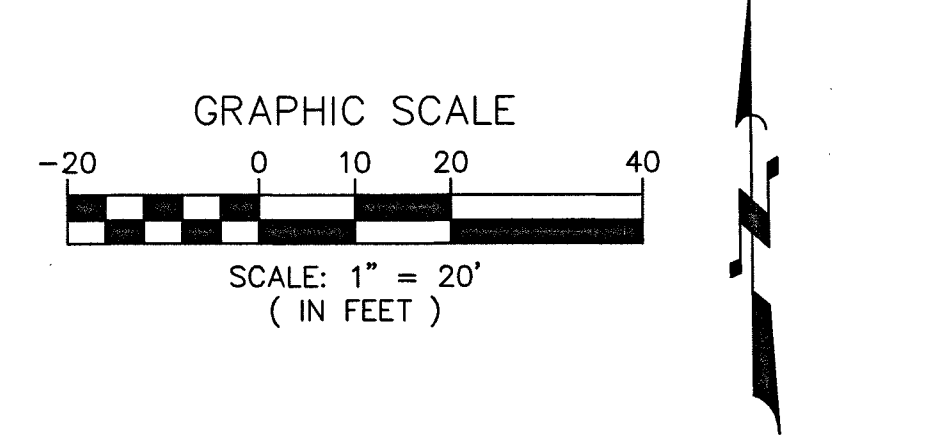
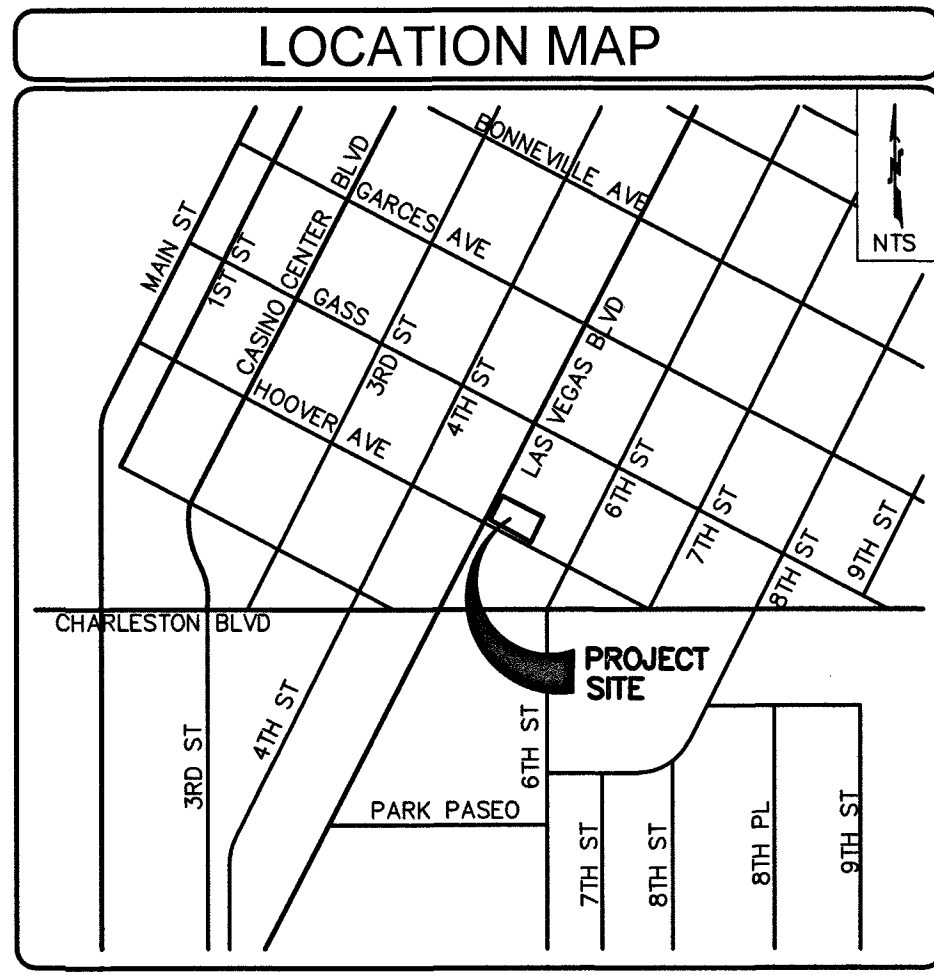
- STORM WATER NOTES
- THERE ARE NO EXISTING DRAINAGE STRUCTURES OR FACILITIES ADJACENT OR ON THE PROPERTY.
 - THERE ARE NO EXISTING DRAINAGE EASEMENTS ON THE PROPERTY.
- NOTE
- ALL ON-SITE STORM DRAINS, PIPES, AND FACILITIES ARE PRIVATELY OWNED AND PRIVATELY MAINTAINED.

ESTIMATE OF PUBLIC QUANTITIES FOR PERMITTING PURPOSES ONLY

GRADING IMPROVEMENTS	UNIT	PRIVATE	PUBLIC	TOTAL
CUT	CY	10	10	20
FILL	CY	15	10	25
EXCAVATION & EMBANKMENT	CY	25	20	45
BFT HIGH WROUGHT IRON FENCE	LF	61	0	61
COMMERCIAL DRIVEWAY	SF	0	853	853
CONCRETE PAVEMENT	SF	488	0	488
CONCRETE SIDEWALK 5"	SF	607	491	1098
'A' CURB	LF	22	45	67
'L' CURB	LF	43	19	62

NOTICE TO CONTRACTORS:

QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING HIS OWN QUANTITY TAKE OFF, AND BID ACCORDINGLY.



BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLV01345SW6 RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF LAS VEGAS BOULEVARD AND HOOVER AVENUE. (OLD #25W4C6)

ELEVATION: 614.996 METERS (NAVD '88) (PUBLISHED) 2017.70 FT (CALCULATED)

BASIS OF BEARING

S 27°54'36" W BEING THE CENTERLINE OF SOUTH LAS VEGAS BOULEVARD BETWEEN HOOVER AVENUE AND GASS AVENUE AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FOR THE CITY OF LAS VEGAS RECORDED IN FILE 67, PAGE 79 OF SURVEYS IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA RECORDS.

LEGAL DESCRIPTION

LOTS FOURTEEN (14), FIFTEEN (15) AND SIXTEEN (16), SOUTH ADDITION TO THE CITY OF LAS VEGAS AS SHOWN BY MAP THEREOF ON FILE IN BOOK 1, PAGE 51, RECORDS OF CLARK COUNTY, NEVADA, ALSO DESCRIBED AS FOLLOWS: THE SOUTHERLY 75.00 FEET OF SAID LOT MEASURED ALONG THE NORTHWESTERLY LINE AND SOUTHEASTERLY LINE OF SAID LOTS.

LEGEND

-----	SECTION LINE
-----	ADJACENT PARCEL/PROPERTY LINE
-----	STREET CENTERLINE
-----	RIGHT-OF-WAY LINE
----- (2200) -----	EXISTING CONTOUR LINE
 OR 	EXISTING FIRE HYDRANT
-----	FUTURE IMPROVEMENTS
AC	ASPHALTIC CONCRETE
APN	ASSESSOR PARCEL NUMBER
BCR	BEGIN CURVE RETURN
CF	CURB FACE HEIGHT
CL	CENTERLINE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
EG	EXISTING GRADE
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
GB	GRADE BREAK
INV	INVERT
ROW	RIGHT-OF-WAY
SF	SQUARE FEET
SMH	SEWER MANHOLE
STLT	STREETLIGHT
SW	SIDEWALK
TC	TOP OF CURB
USD	UNDER SIDEWALK DRAIN
VG	VALLEY GUTTER

Call before you Dig

811

FAST

Call before you UnderGround

OWNER: BRIDAL VEIL, LLC

ENGINEER: HAUNTEC, PLLC

PROJECT: BLISS WEDDING CHAPEL

CITY OF LAS VEGAS, NEVADA

DESIGNER: DRAWN BY:

PROFESSIONAL ENGINEER STATE OF NEVADA

JOE A. HAUN

EXP: 6/30/19

CIVIL

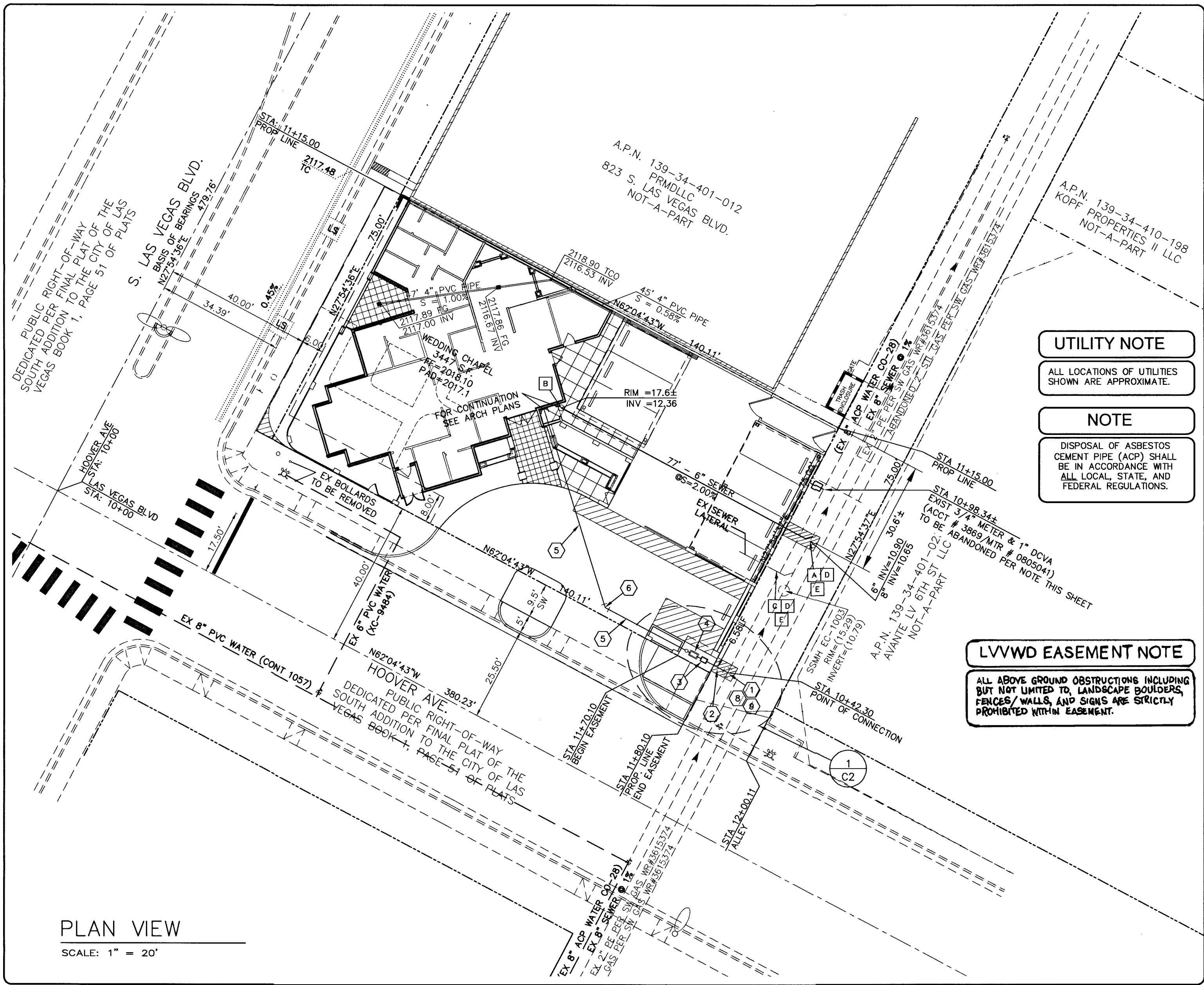
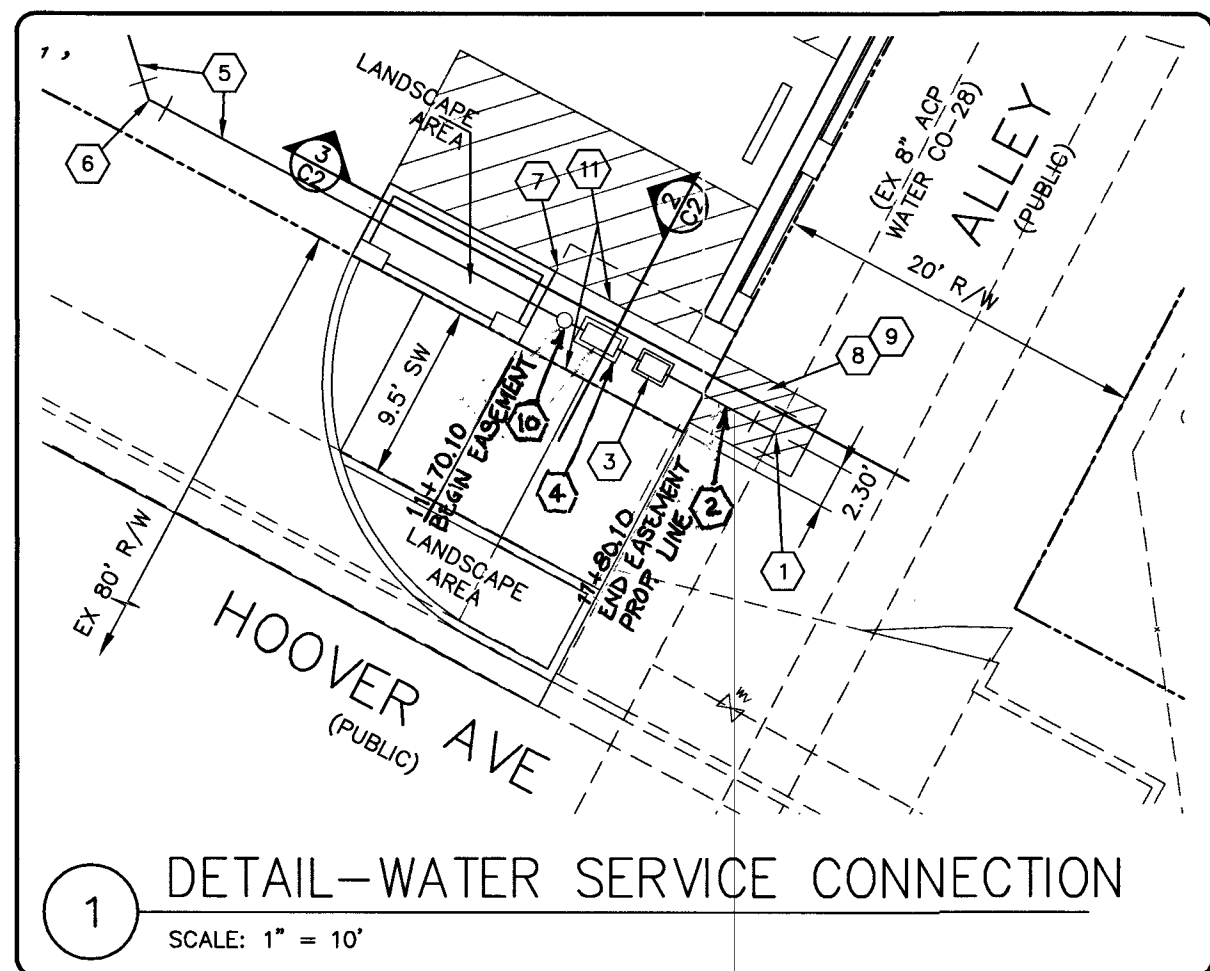
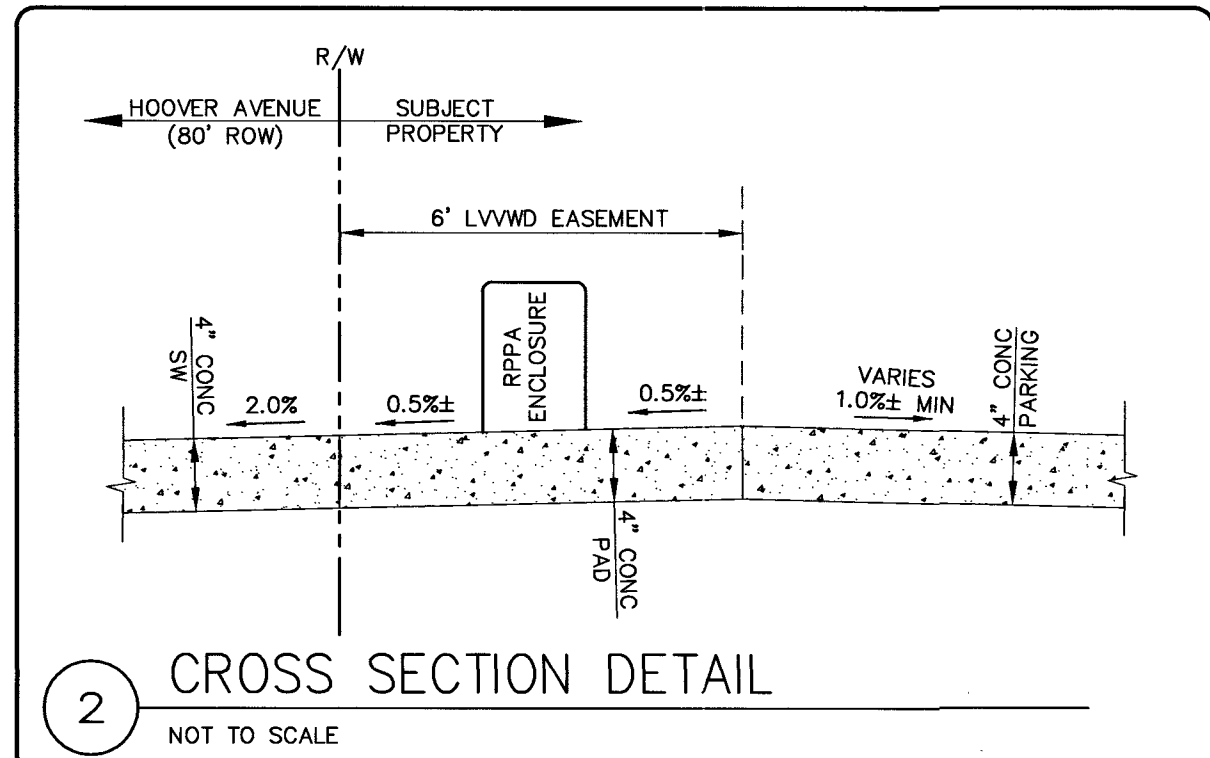
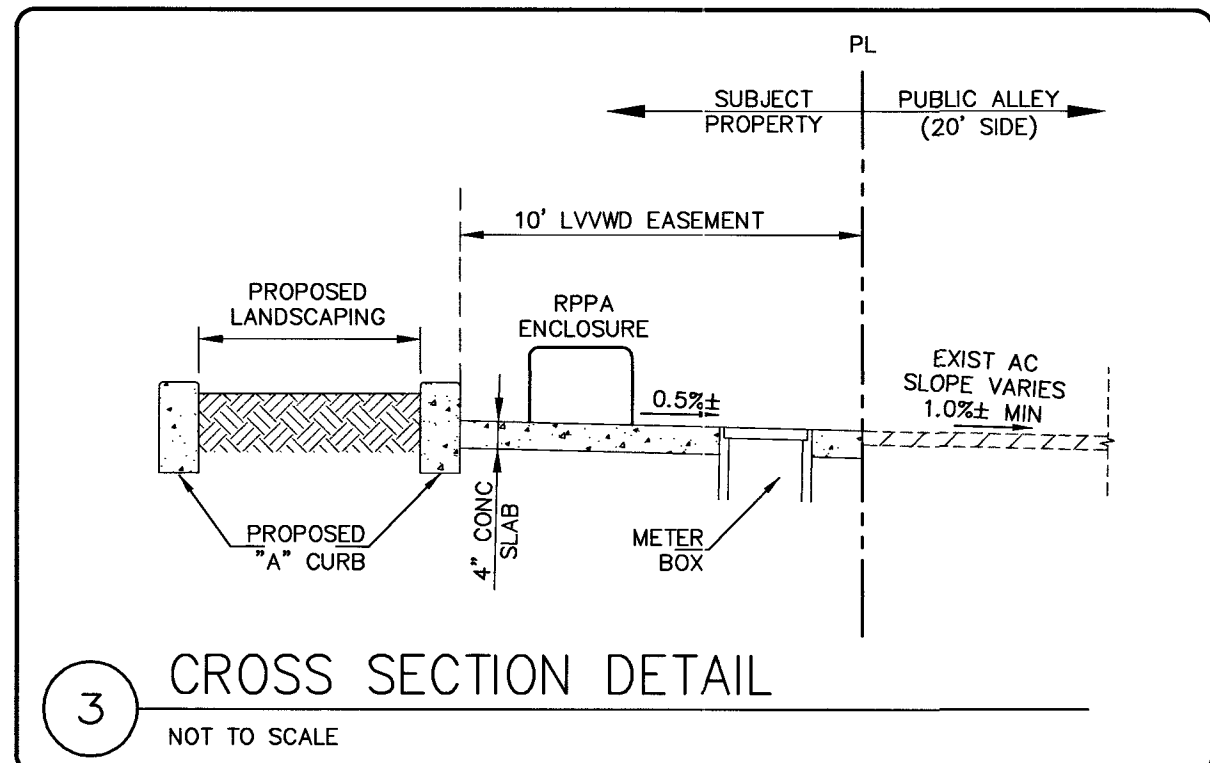
18-0034

CLV DWG. NO. 10191716

SHEET NO. C1

18-03446

3 OF 7



UTILITY NOTE

ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE.

NOTE

DISPOSAL OF ASBESTOS CEMENT PIPE (ACP) SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

LVVWD EASEMENT NOTE

ALL ABOVE GROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO, LANDSCAPE BOULDERS, FENCES/WALLS, AND SIGNS ARE STRICTLY PROHIBITED WITHIN EASEMENT.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY ONLY. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE ONLY DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

ABANDONMENT OF EXISTING SERVICES (2" AND SMALLER)

IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT TO BE USED WITH THE PROJECT, THE PROJECT SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH UDACS SECTION 2.17.04 A, AND COORDINATE WITH THE LVVWD INSPECTOR.

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 AND/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.
a) ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION
 - IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT 702-365-2099
- CAUTION: HIGH PRESSURE GAS!!
CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION

FIRE FLOW DATA

IN ACCORDANCE WITH FIRE CODE APPENDIX III-A, FIRE FLOW IS 1500GPM AT 20 PSI RESIDUAL PRESSURE.

BASED ON SQUARE FOOTAGE:	3,094 SF
AREA BETWEEN 2 HOUR-SEPARATION WALLS:	N/A
BUILDING HEIGHT:	46'-7"
NUMBER OF STORIES:	1
TYPE OF CONSTRUCTION:	V-B
OCCUPANCY GROUP:	A-3
FULL AUTOMATIC FIRE SYSTEM:	NO

BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLV0134SSW6
RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF LAS VEGAS BOULEVARD AND HOOVER AVENUE. (OLD #25W4C6)
ELEVATION:
614.996 METERS (NAVD '88) (PUBLISHED)
2017.70 FT (CALCULATED)

CONSTRUCTION NOTES

- WATER
- INSTALL 8" x 1" SERVICE SADDLE PER UDACS PLATE #4
 - INSTALL 1" COPPER WATER LINE (PUBLIC)
 - INSTALL 3/4" WATER METER PER UDACS PLATE #4 (PUBLIC)
 - INSTALL 1" RPPA PER UDACS PLATE # 8 (PRIVATE)
 - INSTALL 1" PVC WATER LINE (PRIVATE)
 - INSTALL 1" PVC 45° WYE (PRIVATE)
 - 6" x 10' LVVWD EASEMENT FOR METER AND RPPA PER UDACS PLATE NO. 17
 - TRENCH AND BACKFILL PER UDACS PLATE NO. 17
 - SAWCUT PER GRADING SHEET, SEE SHEET C1
 - INSTALL CURB STOP 8" BELOW FINISHED GRADE IN 10" ROUND IRRIGATION VALVE BOX FROM LVVWD APPROVED PRODUCT LIST. EXTEND COPPER PIPE A MIN OF 12" BEYOND VALVE BOX.
 - INSTALL 4" CONCRETE PAD FOR METER AND RPPA INSTALLATION
- SEWER
- INSTALL 8"x6" WYE (PUBLIC)
 - INSTALL 6" CLEANOUT (PRIVATE)
 - EXCAVATE AND REMOVE EXISTING SEWER LATERAL PER METHOD "B"
 - SAWCUT PER GRADING SHEET, SEE SHEET C1
 - TRENCH AND BACKFILL PER DCSWCS STANDARD DRAWING NO. SD-17

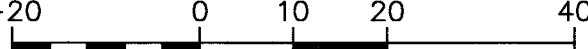
ESTIMATE OF QUANTITIES (FOR PERMITTING PURPOSES ONLY)

WATER IMPROVEMENT ESTIMATES	UNIT	PUBLIC	PRIVATE	TOTAL
1" COPPER WATER LINE	LF	6.58	0	6.58
3/4" WATER METER	EA	1	0	1
1" RPPA	EA	0	1	1
1" PVC WATER LINE	LF	0	86	86
SEWER IMPROVEMENT ESTIMATES	UNIT	PUBLIC	PRIVATE	TOTAL
6" PVC SEWER LINE	LF	0	77	77
6" CLEANOUT	EA	0	1	1

LOCATION MAP



GRAPHIC SCALE



SCALE: 1" = 20' (IN FEET)

LEGEND

- ADJACENT PARCEL/PROPERTY LINE
- STREET CENTERLINE
- RIGHT-OF-WAY LINE
- EXISTING FIRE HYDRANT
- ASSESSOR PARCEL NUMBER
- EXISTING
- FINISHED GRADE
- FINISHED FLOOR
- NOT-A-PART
- INVERT
- SANITARY SEWER MANHOLE
- DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS (SOUTHERN NEVADA - LATEST EDITION)
- UDACS
- UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER DISTRIBUTION SYSTEMS

BASIS OF BEARING

S 27°54'36" W BEING THE CENTERLINE OF SOUTH LAS VEGAS BOULEVARD BETWEEN HOOVER AVENUE AND GASS AVENUE AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FOR THE CITY OF LAS VEGAS RECORDED IN FILE 67, PAGE 51, RECORDS OF CLARK COUNTY, NEVADA, ALSO DESCRIBED AS FOLLOWS:
THE SOUTHERLY 75.00 FEET OF SAID LOT MEASURED ALONG THE NORTHWESTERLY LINE AND SOUTHEASTERLY LINE OF SAID LOTS.

LEGAL DESCRIPTION

LOTS FOURTEEN (14), FIFTEEN (15) AND SIXTEEN (16), SOUTH ADDITION TO THE CITY OF LAS VEGAS AS SHOWN BY MAP THEREOF ON FILE IN BOOK 1, PAGE 51, RECORDS OF CLARK COUNTY, NEVADA, ALSO DESCRIBED AS FOLLOWS:
THE SOUTHERLY 75.00 FEET OF SAID LOT MEASURED ALONG THE NORTHWESTERLY LINE AND SOUTHEASTERLY LINE OF SAID LOTS.

CONSTRUCTION NOTE

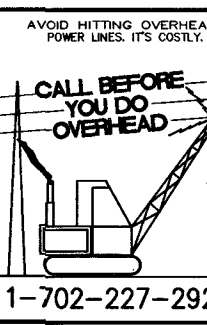
THE SAWCUT LINES AND LIMITS OF A.C. REMOVAL AND REPLACEMENT SHALL BE DETERMINED BY A CLV CONSTRUCTION SERVICES INSPECTOR. A.C. SHALL BE REPLACED BY MECHANICAL MEANS. TRENCH BACKFILL MATERIAL SHALL BE SAMPLED, DESIGNED, TESTED, AND CERTIFIED PER CLV TRENCH BACKFILL POLICY.

SEWER NOTE

ANY DAMAGE TO THE EXISTING 8" SS, WHILE THESE PROPOSED IMPROVEMENTS ARE BEING CONSTRUCTED AND CONNECTED, WHICH WERE CAUSED BY CONSTRUCTION ACTIVITY OF THIS PROJECT, WILL BE REPAIRED AND/OR REPLACED BY THE DEVELOPER TO THE SATISFACTION OF CITY OF LAS VEGAS, UTILITY DEPARTMENT.

APPROVALS

4/18/19
SOUTHWEST GAS CORPORATION
DATE
APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO.: 138122
FIRST APPROVED DATE: 5/13/19
LVVWD APPROVED FIRE FLOW: TOTAL 1500 GPM / ON SITE 0 GPM
SHEETS: COV. N1 & C2
4-17-19
DATE
LAS VEGAS FIRE AND RESCUE



NO. DATE BY REVISIONS

OWNER: BRIDAL VEIL, LLC
221 SOUTH LAS VEGAS BOULEVARD
LAS VEGAS, NEVADA 89102
PHONE: (702) 499-1963

ENGINEER: HAUNTEC, PLLC
LAS VEGAS, NEVADA 89108
PHONE: (702) 219-5785
Email: hauntec@haunteceng.com

UTILITY PLAN

PROJECT: BLISS WEDDING CHAPEL
CITY OF LAS VEGAS, NEVADA

DESIGNER:
DRAWN BY:

PROFESSIONAL ENGINEER STATE OF NEVADA
JACOB A. HAUN
EXP. 6/30/19
CIVIL
#014439 NVPE

JOB NO.
18-0034

CLV DWG. NO.
101V1776

SHEET NO.
C2
19-02646
4 OF 7

PROJ.#: 136127A QS: 136-34-SW

BACK OF CURB LINE DATA TABLE

LINE #	LENGTH	DIRECTION
L1	5.00'	N27° 54' 36"E
L2	5.00'	S62° 04' 43"E
L3	10.11'	S62° 04' 43"E
L4	6.42'	N62° 04' 43"W
L5	4.67'	S28° 00' 56"W
L6	20.00'	S62° 04' 43"E
L7	26.93'	S27° 55' 17"W
L8	68.67'	S62° 04' 43"E
L9	35.76'	S27° 54' 33"W
L10	22.00'	S27° 54' 33"W
L11	2.83'	N27° 55' 57"E
L12	9.00'	S27° 55' 17"W
L13	4.00'	S62° 04' 43"E
L14	2.83'	N27° 54' 37"E
L15	4.00'	S27° 55' 17"W
L16	4.55'	S62° 04' 43"E
L17	4.00'	S27° 55' 17"W
L18	7.55'	S62° 04' 43"E
L19	19.00'	S62° 04' 43"E
L24	14.55'	S62° 04' 43"E
L43	17.75'	S62° 04' 43"E
L44	14.81'	N62° 04' 43"W

BACK OF CURB CURVE DATA TABLE

CURVE #	LENGTH	RADIUS	DELTA
C1	6.60'	15.00'	025°12'31"
C2	7.48'	15.00'	028°34'05"
C3	23.56'	15.00'	089°59'19"
C4	11.21'	15.00'	042°50'00"
C5	21.61'	15.00'	082°31'56"
C6	21.61'	15.00'	082°31'56"
C7	1.47'	32.50'	002°35'09"
C8	44.56'	32.00'	079°47'15"
C9	17.39'	15.00'	066°25'19"
C10	4.56'	4.00'	065°15'58"
C11	7.85'	5.00'	090°00'00"
C12	7.85'	5.00'	090°00'00"
C13	4.56'	4.00'	065°15'58"
C28	11.21'	15.00'	042°50'00"

ADA GENERAL NOTES

HANDICAP PARKING SPACES:

1. SINGLE SPACE-14' WIDE MINIMUM- WITH 9' WIDE PARKING SPACE AND 5' WIDE ACCESS AISLE.
2. DOUBLE SPACE- 23' WIDE MINIMUM- WITH TWO 9' WIDE PARKING SPACES AND 5' WIDE CENTER ACCESS AISLE.
3. SLOPE- SLOPE OF PARKING SPACES AND ACCESS AISLE SHALL NOT EXCEED 1:50.
4. ACCESS AISLES ARE CONSIDERED PART OF THE ACCESSIBLE ROUTE OF TRAVEL. EACH SPACE SHALL HAVE A SIGN SHOWING THE SYMBOL FOR ACCESSIBILITY LOCATED SO THAT A PARKED VEHICLE DOES NOT OBSCURE IT.

ACCESSIBLE ROUTE:

WIDTH - MINIMUM WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36".

SLOPE - ACCESSIBLE ROUTE SHALL BE A MAXIMUM SLOPE OF 1:20 WITH A 1:50 MAXIMUM CROSS SLOPE.

NOTE: AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 IS CONSIDERED A RAMP.

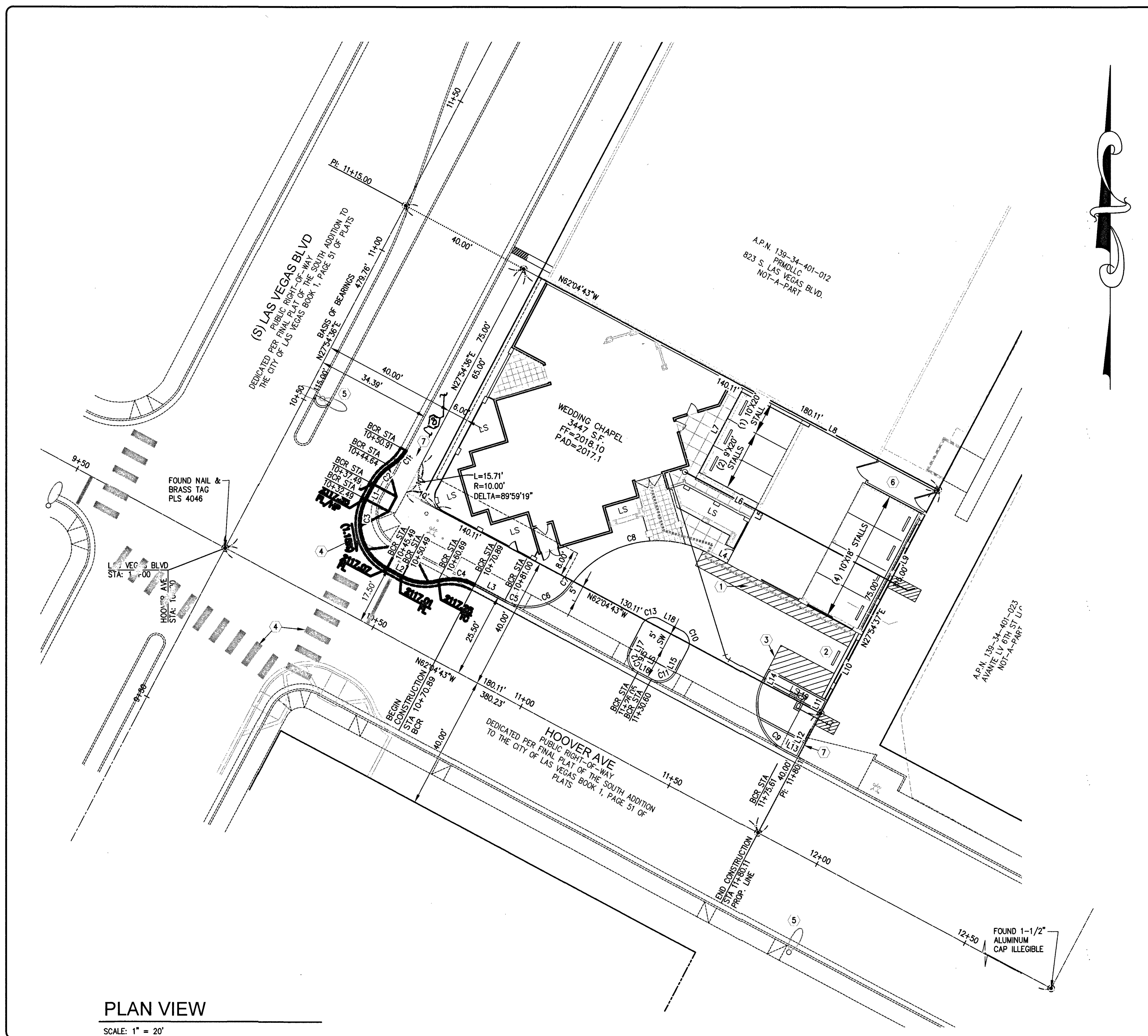
CURB RAMPS:

LOCATION - WHENEVER AN ACCESSIBLE PATH OF TRAVEL CROSSES A RAISED CURB.

SLOPE - MAXIMUM SLOPE OF ADJOINING SURFACES IS 1:20. SLOPE OF CURB RAMP IS A MAXIMUM OF 1:12 WITH A 1:50 MAXIMUM CROSS SLOPE.

SIDES - WHERE PEDESTRIANS WALK ACROSS RAMP, OR IF NOT PROTECTED BY HANDRAILS OR GUARDRAILS, FLARED SIDES WITH A MAXIMUM SLOPE OF 1:10 ARE NECESSARY. WHERE THERE IS NO PEDESTRIAN CROSS TRAFFIC, RETURNED CURBS MAY BE USED.

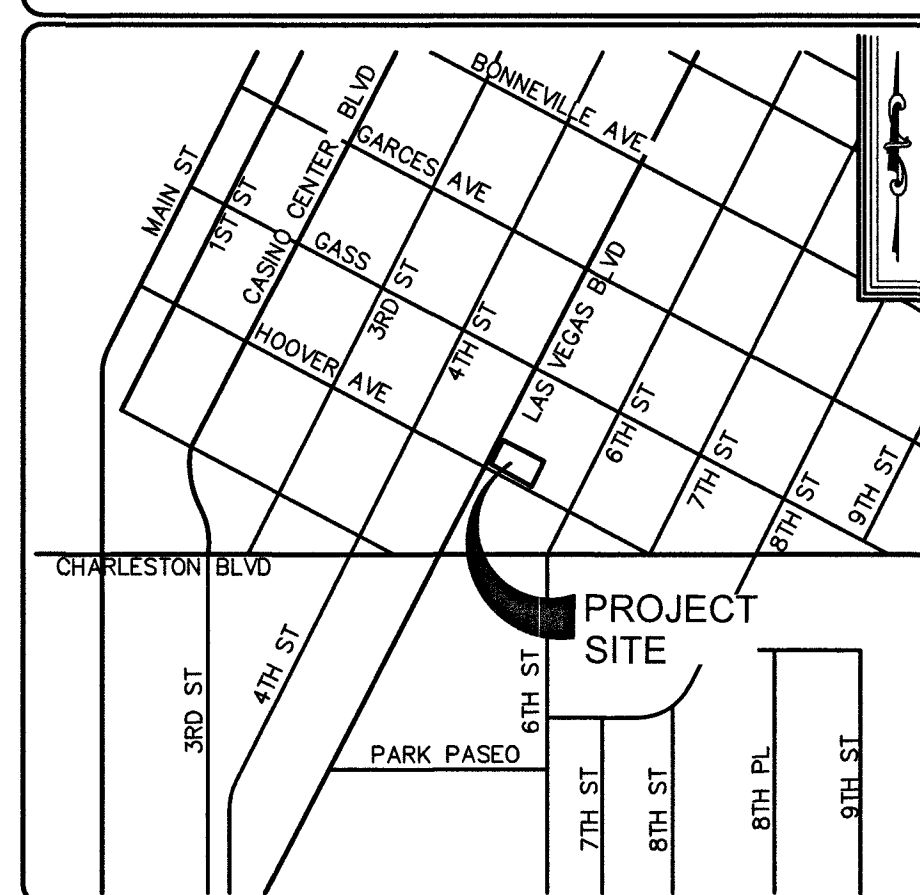
WIDTH - 36" MINIMUM WIDE, EXCLUSIVE



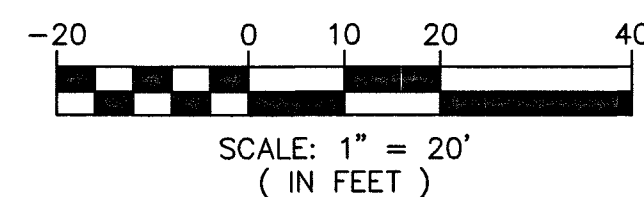
PLAN VIEW

SCALE: 1" = 20'

LOCATION MAP



GRAPHIC SCALE



LEGEND

---	ADJACENT PARCEL/PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	STREET CENTERLINE
---	EASEMENT LINE
---	ADA PATHWAY
---	CROSSWALK STRIPING
---	EXISTING FIRE HYDRANT
---	ASSESSOR PARCEL NUMBER
---	EXISTING
---	NOT-A-PART
---	SQUARE FEET

BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLV01345SW6
RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER
OF LAS VEGAS BOULEVARD AND HOOVER AVENUE. (OLD
#25W4C6)
ELEVATION:
614.996 METERS (NAVD '88) (PUBLISHED)
2017.70 FT (CALCULATED)

BASIS OF BEARING

S 27°54'36" W BEING THE CENTERLINE OF SOUTH LAS VEGAS
BOULEVARD BETWEEN HOOVER AVENUE AND GASS AVENUE AS SHOWN
ON THAT CERTAIN RECORD OF SURVEY FOR THE CITY OF LAS VEGAS
RECORDED IN FILE 67, PAGE 79 OF SURVEYS IN THE OFFICE OF THE
COUNTY RECORDER, CLARK COUNTY, NEVADA RECORDS.

LEGAL DESCRIPTION

LOTS FOURTEEN (14), FIFTEEN (15) AND SIXTEEN (16), SOUTH ADDITION
TO THE CITY OF LAS VEGAS AS SHOWN BY MAP THEREOF ON FILE IN BOOK
1, PAGE 51, RECORDS OF CLARK COUNTY, NEVADA, ALSO DESCRIBED AS
FOLLOW:
THE SOUTHERLY 75.00 FEET OF SAID LOT MEASURED ALONG THE
NORTHWESTERLY LINE AND SOUTHEASTERLY LINE OF SAID LOTS.

CONSTRUCTION NOTES

- 1) CONSTRUCT HANDICAP ACCESSIBLE ROUTE PER ADA CHAPTER 4 SECTION 403.
- 2) HANDICAPPED PARKING STALL.
- 3) ADA ACCESS AISLE.
- 4) REFRESH PAINTED CROSSWALK MARKING TYPE I PER CCAUSD #254 (TYP).
- 5) EXISTING STREETLIGHT TO REMAIN.
- 6) GREASE PIT AREA.
- 7) MATCH EXISTING GRADE AND ELEVATION.

NOTICE TO CONTRACTORS

QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL
BE RESPONSIBLE FOR PERFORMING HIS OWN QUANTITY TAKE OFF, AND BID
ACCORDINGLY.

APPROVAL

CITY OF LAS VEGAS FIRE AND RESCUE
DATE: 4/7/19



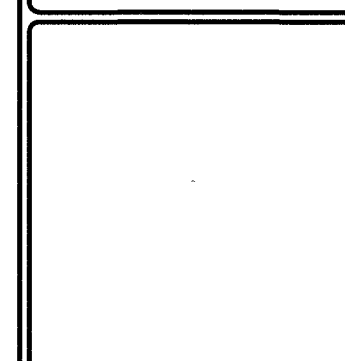
NO.	DATE	BY	REVISIONS

OWNER: BRIDAL VEIL, LLC
827 S. LAS VEGAS BOULEVARD
LAS VEGAS, NV 89101
PHONE: (702) 499-1963

ENGINEER: HAUNTEC, PLLC
2721 IRONSIDE DRIVE
LAS VEGAS, NV 89108
PHONE: (702) 219-5785
Email: jhaun@hauntec.com

TRAFFIC, ADA AND
HORIZONTAL CONTROL PLAN
PROJECT: BLISS WEDDING CHAPEL
CITY OF LAS VEGAS, NEVADA

DESIGNER:
DRAWN BY:



JOB NO.
18-0034

CLV DWG. NO.
107V7776
SHEET NO.
C3
5 OF 7



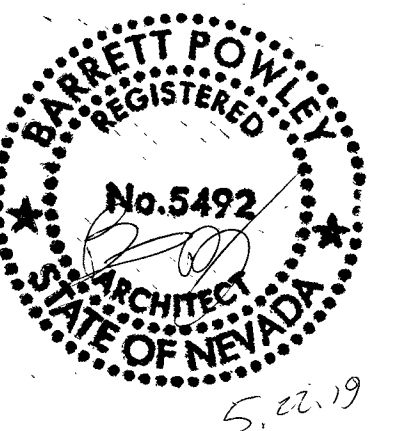
241 W. Charleston Blvd. Suite 155 | Las Vegas, NV 89102
design@estudiovegas.com 702.733.7759

Sage Design Studios, Inc

1998 Shady Elm Street, Las Vegas, Nevada 8913
Phone: 702.303.4714 www.sagedesignstudiosinc.com

LANDSCAPE PLAN

for
BLISS WEDDING CHAPEL
827 SOUTH LAS VEGAS BLVD
LAS VEGAS, NEVADA 89101



REVISIONS

[illegible]

DATE: 11.15.18

DRAWN BY: JJS
CHECKED BY: JJS

SHEET NUMBER

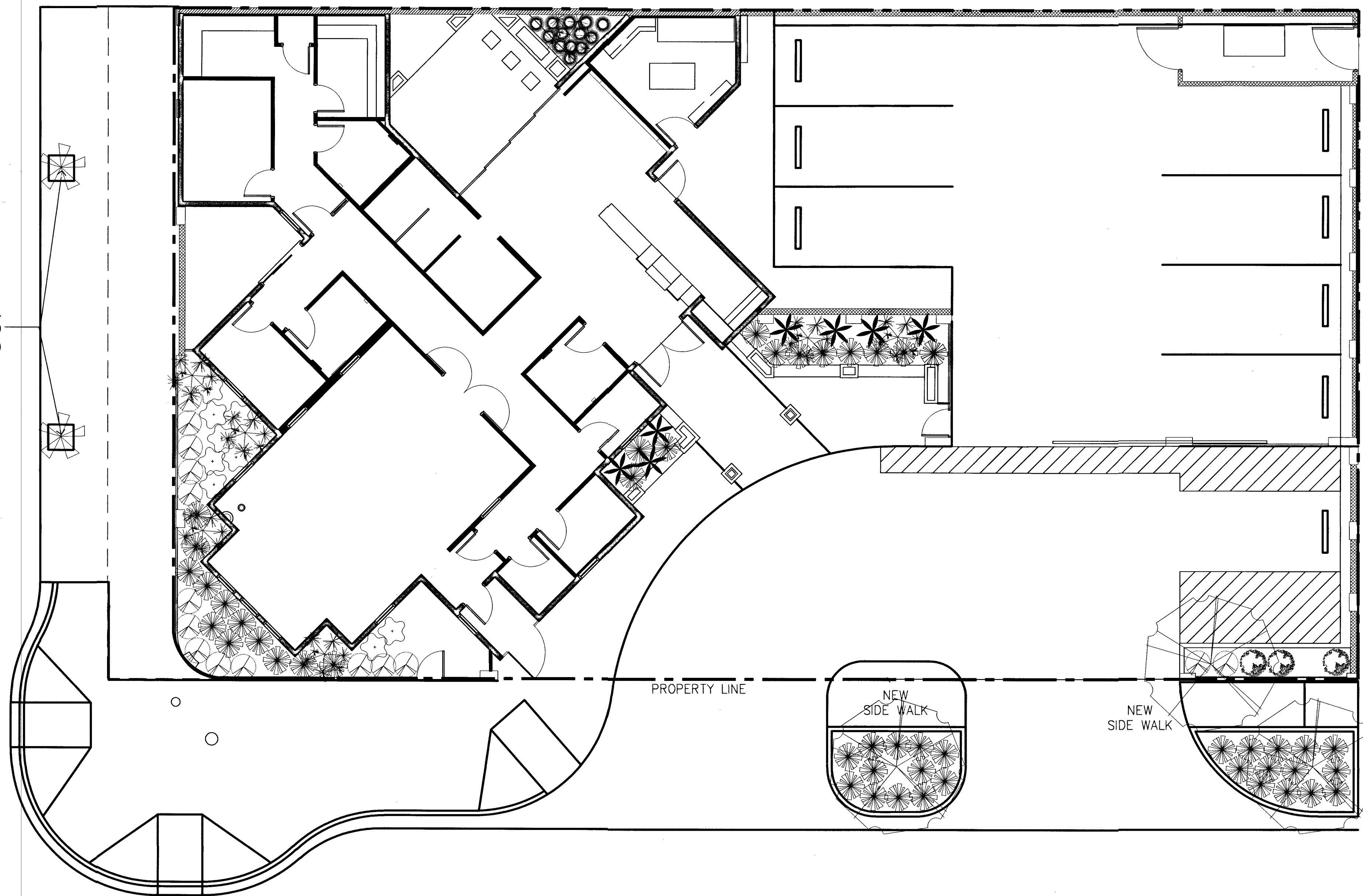
LANDSCAPE PLAN

SCALE: 1/8" = 1'-0"

L1.00

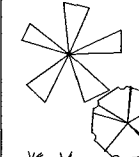
107V7776
L18-02646

6 OF 7



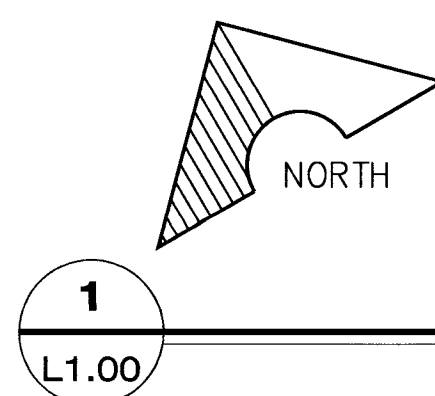
MEXICAN FAN PALM TO RECEIVE METAL
GRATE PER LAS VEGAS BOULEVARD
CORRIDOR SPECIFICATIONS (TYP.)

PLANT LEGEND

SYM.	COMMON NAME	BOTANICAL NAME	SIZE
	MEXICAN FAN PALM	WASHINGTONIA ROBUSTA	20' BTH (SKINNED 0'-6' HT.)
	JAPANESE PRIVET STANDARD	LIGUSTRUM JAPONICUM	36" BOX
	SPANISH BAYONET	YUCCA ALIOFOLIA	24" BOX
	MIXED LANTANA (NO NEW GOLD)	LANTANA HYBRIDS (DALLAS/WHITE/PINK/ETC)	5 GAL.
	WEeping YUCCA	YUCCA RECURVIFOLIA	5 GAL.
	LILY TURF	LIRIOPE MUSCARI	5 GAL.
	SANTA CRUZ PYRACANTHA	PYRACANTHA 'SANTA CRUZ'	5 GAL.
	STAR JASMINE	TRACHELOSPERMUM JASMINOIDES	5 GAL.
	SHINY XYLOSMA	XYLOSMA CONGESTUM	5 GAL.

GENERAL NOTES

1. LANDSCAPE ARCHITECT/OWNER TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION. NOTIFY 48 HOURS IN ADVANCE OF DELIVERY AND/OR INSTALLATION DATE.
2. PLANT MATERIAL IS TO HAVE SPECIES IDENTIFICATION TAGS ON AT LEAST 10% OF TOTAL # OF EACH SPECIES INDICATING GENUS, SPECIES, CULTIVAR, ETC.
3. ALL PLANTS TO BE INSTALLED A MINIMUM OF 2' FROM OUTER CURB/PATH LINE. SYMBOL PLACEMENT IS NOT EXACT
4. ALL PLANTERS TO RECEIVE A 1.5" DEPTH OF 5/8" SCREENED APACHE BROWN ROCK MULCH AVAILABLE THROUGH KALAMAZOO MATERIALS (702)296.9131





Sage Design Studios, Inc.

IRRIGATION PLAN

or

LAS VEGAS WEDDING CHAPEL
827 SOUTH LAS VEGAS BLVD
LAS VEGAS, NEVADA 89101

IRRIGATION PLAN

REVISION

DATE: 11.15.18

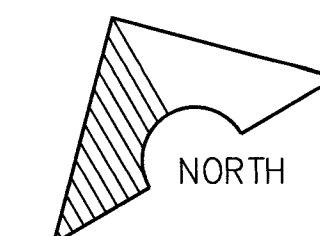
PROJECT NO.

DRAWN BY: JJS
CHECKED BY: J

SHEET NUMBER

107V7771
L18-0264

7 OF 7



SYM.	ITEM	MANUFACTURER/MODEL#/SIZE
	CONTROLLER	RAINBIRD ESP-ME 4 STATION
	ISOLATION VALVE	NIBCO T-113 (LINE SIZE)
	REMOTE CONTROL VALVE	IRRITROL 700 SERIES W/ AG PROD. 4E, 3/4" & SENNINGER PMR REG 40 PSI
	MAINLINE	1" SCH 40 PVC PIPE
	LATERALS	CLASS 200 PVC PIPE
	DISTRIBUTION TUBE	SALCO PRODUCTS ALGAE RESISTANT 3/8" IRRIGATION LINE PVC AR -050
	FLUSH CAP AT EACH STATION END	SPEARS M-64 COMPRESSION ADAPTER W/ AP-100 CAP
	EMITTERS	NETAFIM MODEL: PC JR
	VALVE WIRES	14 GAUGE PILOT DIRECT BURIAL/12 GAUGE COMMON DIRECT BURIAL
	VALVE BOXES	CARSON 12" x 18" TAN W/LOCKING LID
	Q.C. & FLUSH CAP BOXES	CARSON 10" ROUND TAN W/LOCKING LID
	GATE VALVE	LINE SIZE AT P.O.C.
	BACKFLOW PREVENTOR	FEBCO 825Y 1" @ P.O.C.

1. THE IRRIGATION PLAN IS DRAFTED FOR GRAPHIC CLARITY ONLY. WHERE PIPING, VALVES, ETC. ARE SHOWN IN HARDSCAPE AREAS THEY ARE ACTUALLY INTENDED TO BE INSTALLED IN THE PLANTER AREAS ADJACENT, EXCEPT WHERE SLEEVES ARE REQUIRED. ALL VALVES PLACED INCONSPICUOUSLY WHEN POSSIBLE. ALL IRRIGATION LINES TO BE PLACED WITHIN PROPERTY BOUNDARY, LAYOUT FOR CLARITY ONLY.
2. CONTRACTOR TO VERIFY EXISTING BACKFLOW PREVENTER(S) ARE IN COMPLIANCE WITH LVVWD STANDARDS, CODES AND REGULATIONS.
3. CONTRACTOR TO PROVIDE ALL NECESSARY SLEEVING UNDER ALL HARDSCAPES.

PIPE SIZE	REQUIRED SLEEVING
3" PVC MAINLINE-----	1 - 6" SCH 40 PVC SLEEVE
1" TO 2 1/2" PVC MAINLINE--	1 - 4" SCH 40 PVC SLEEVE
1 1/2" LATERAL-----	1 - 4" SCH 40 PVC SLEEVE
3/4" TO 1 1/4" LATERAL----	1 - 2" SCH 40 PVC SLEEVE

3/4"	>10 GPM
1"	16 GPM
1 1/4"	26 GPM
1 1/2"	40 GPM

1 GALLON	1 - 2 GPH
5 GALLON	1 - 2 GPH
15 GALLON	3 - 2 GPH
24" BOX	8 - 2 GPH
36" BOX	12 - 2 GPH
48-54" BOX	18 - 2 GPH
60" BOX	24 - 2 GPH
PALMS	20' 6" O.C. LASERLINE
ANNUALS	LASERLINE @ 9" O.C.

5. CONTRACTOR TO PROVIDE ONE ADDITIONAL 2" & 4" SCH 40 PVC SLEEVES WHENEVER IRRIGATION LINES TRAVERSE A ROADWAY.
6. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL EXISTING IRRIGATION AMENITIES.
7. ALL AIR VALVES TO BE LOCATED AT THE HIGHEST POINT OF ELEVATION OF EACH IRRIGATION ZONE (WHERE APPLICABLE).
8. CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT IF ANY OF THE EXISTING CONDITIONS VARY FROM THOSE NOTED ON THE PLANS OR IF THERE ARE EXISTING CONDITIONS THAT INTERFERE WITH THE INSTALLATION OF THE PLANS.
9. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATIONS AND TO OBTAIN ANY AND ALL PERMITS AND INSPECTIONS AS REQUIRED.
10. ALL VALVE STATIONS WITH MORE THAN 2' ELEVATION DIFFERENCE TO RECEIVE AN INLINE CHECK VALVE (TYP.).

SCALE: 1/8" = 1'-0"