

DESCRIPTION	SYMBOL	
	PROPOSED	EXISTING
12" WATER PIPELINE	12" PVC	12" PVC
66" WATER PIPELINE	66" MLCF ACCESS MH	66" MLCF
IN-LINE VALVE VAULT		
ACCESS MANHOLE (TO PIPELINE)		
BLOWOFF		
COMBINATION AIR VALVE		
TEST STATION (CATHODIC)		
REDUCER		
END CAP FOR WATER PIPELINE		
WATER VALVE		
FIRE HYDRANT ASSEMBLY		
WATER METER	WM	WM
WATER METER SIZE	1"	
IDENTIFICATION HEXAGON	XX	
EDGE OF PAVEMENT		
SANITARY SEWER MANHOLE		SD
STORM DRAIN MANHOLE		SD
POWER POLE W/GUY WIRE		
STREET LIGHT (GENERIC SYMBOL NOT RELATED TO WATTAGE)		
SURVEY MONUMENT		
POLYGON FOR TRANSMISSION POLE		
ELECTRICAL BOX		ELEC
ELECTRICAL PANEL BOX		ELEC PANEL
CABLE TV		CTV CTV
FENCE		X X X X X
GAS LINE		2" G
CONTOURS		2640
DITCH		
SANITARY SEWER		10" SS
STORM DRAIN		24" SD
UNDERGROUND POWER		UGP
UNDERGROUND TELEPHONE		UGTEL
CURB, GUTTER AND SIDEWALK		
PROPERTY LINE		P
CENTER LINE		C
BLOCK WALL		
RIGHT-OF-WAY LINE		
PATENT RESERVATION OR EASEMENT LINE		
SECTION LINE		
ANGLE (HORIZONTAL OR VERTICAL)		
ANGLE OF CURVE		
FIELD WELD		
REFERENCE BUBBLE	1 D2 C1, C9, C11 DETAIL OR SECTION REFERENCE NUMBER (DETAIL) OR LETTER (SECTION) DRAWING NUMBER OF SHEET WHERE DETAIL OR SECTION RESIDES ALL SHEETS THAT REFERENCE TO THE DETAIL OR SECTION	

LAS VEGAS VALLEY WATER DISTRICT NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES FOR PROPER DRAINAGE, AND FOR INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED IN THE FIELD BY THE LVVWD ENGINEER.
2. REPLACE EXISTING SEWER LINES OR STORM DRAINS WHICH CROSS OVER NEW WATER LINE WITH C900 WATER QUALITY PIPE TEN (10) FEET BEYOND EACH SIDE OF WATER LINE OR SLURRY ENCASE OR WELD JOINTS (MLCF) OF NEW WATER LINE TEN (10) FEET BEYOND EACH SIDE OF ALL SEWER MAINS AND LATERALS OR STORM DRAINS.
3. SOME WATER SERVICE LATERALS ARE NOT SHOWN. ALL WATER SERVICE LATERALS SHALL BE PROTECTED IN PLACE OR REPLACED WITH COPPER TUBING AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH THE UDS.
4. DURING ALL PHASES OF CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN A 10 FOOT MINIMUM CLEARANCE IN ALL DIRECTIONS OF ALL OVERHEAD POWER LINES AND EQUIPMENT.
5. REMOVAL OR RELOCATION OF POWER POLES, TELEPHONE POLES, CABLE POLES OR JOINTLY-OWNED POLES AND APPURTENANCES WHICH INTERFERE WITH THE IMPROVEMENTS REQUIRED TO BE CONSTRUCTED UNDER THIS CONTRACT, SHALL BE COORDINATED BY THE CONTRACTOR WITH THE RESPECTIVE UTILITY COMPANY.
6. ALL AGENCY/UTILITY INSPECTORS SHALL BE CALLED WHENEVER WORK IS TO BE PERFORMED NEAR OR ON ANY OF THEIR FACILITIES.
7. SEWER LATERALS ARE NOT SHOWN. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS SEWER SERVICE TO CUSTOMERS. SEWER LATERALS CUT DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE PER DESIGN AND CONSTRUCTION STANDARDS OF AGENCY HAVING JURISDICTION.
8. SANITARY SEWER MANHOLES SHALL BE PROTECTED FROM DAMAGE WHEN EXCAVATING IN THEIR VICINITY.
9. PROTECT IN PLACE ALL EXISTING STORM DRAIN MAINLINE AND THE ASSOCIATED STORM DRAIN FACILITIES.

LAS VEGAS VALLEY WATER DISTRICT NOTES FOR 24-INCH AND SMALLER PIPELINE INSTALLATIONS

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 2:00p.m. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICES LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION OF THE LVVWD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01 AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURE'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
14. THE INSTALLATION OF THE VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

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

APPROVED BY:

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

Patrice Gray
NV ENERGY

11/1/16
DATE

THIS PROJECT CONFORMS WITH THE LATEST EDITION OF THE UDACS

Las Vegas Valley Water District
DATE

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

Central Telephone Company, D/B/A CenturyLink
DATE

COX COMMUNICATIONS LAS VEGAS, INC.
DATE

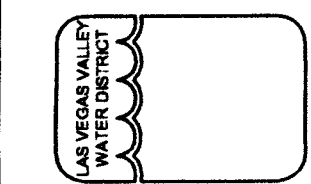
Southwest Gas Corporation
DATE

10/31/16
DATE

Call before you dig
1-702-227-2929

CLV DWG # 565-503

LAS VEGAS VALLEY
WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 795-3011

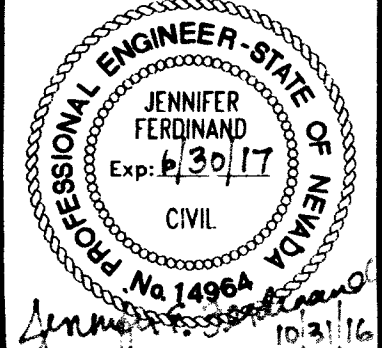


VERIFY SCALE
1/2 0 1/2
BAR REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

MISCELLANEOUS VAULTS, RECONSTRUCTION AND REPAIR, PHASE XX

LVSVD GENERAL NOTES, LEGEND AND AGENCY APPROVAL

DRAWN BY: JOSEPH BLANK
CHECKED BY: JENNIFER FERDINAND
RECOMMENDED BY: RYAN C. PEARSON
ACCEPTED BY: JENNIFER FERDINAND
DATE: 9/08/2015
DATE: 9/10/2015
DATE: 10/31/16
DESIGN MANAGER



CONTRACT NUMBER
C1435
DRAWING NUMBER G2
SHEET 2 OF 31

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6325 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE 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 CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. [IFC § 105.7.12]
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 THE STREET ADJACENT TO THE FIRE HYDRANTS. [IFC § 507.5.7.3]
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. [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 THE APPROPRIATE WORKING PRESSURE. [IFC § 507.2.1, NFPA 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 HYDRANTS SHALL BE PAINTED RED. [IFC § 507.5.7.1]
10. 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]
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: [IFC § C102]
- * RESIDENTIAL - 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
 - * COMMERCIAL - 300 FT UNSPRINKLERED; 400 FT SPRINKLERED
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. [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 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. [IFC § C102.12]
15. 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]
16. 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 § C102.7]
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. [IFC § C102.6]
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. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN. [IFC § C104]
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 § 503.2.3]
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 FT 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 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. IFC § 503.2.4]
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. [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 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE NO PARKING IS PERMITTED ON EITHER SIDE. FIRE LANES THROUGH PARKING LOTS 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 ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. [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 OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. [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.

DEVIATIONS FROM STANDARDS

NONE

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 ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA," LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENTS STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE "UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS."
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
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. NO. 625.550 AND CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
- WALL NOTES:
16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE 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, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS FOR THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTIES OF +/- 0.09 METERS (+/- 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
22. 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.

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 ADDITIONS, 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 LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCHES (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 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

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 IS 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 AND 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 |
- COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND 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 PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

APPROVED BY:

APPROVAL OF THESE PLANS BY THE CITY OF LAS VEGAS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEViate FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS". THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE "UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA".

Allen Pavelka 2-8-17
ALLEN PAVELKA, PE CITY ENGINEER PE# 9029 DATE

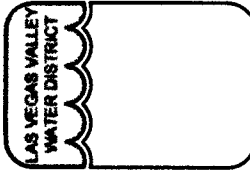
K. Knight 2/7/17
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

N/A
CHRIS KNIGHT, DIRECTOR, BUILDING AND SAFETY DATE
THIS PLAN CONFORMS TO THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT



1-702-227-2929
18067687
CLV DWG # 565-503

LAS VEGAS VALLEY
WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 793-2911



VERIFY SCALE



BAR REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

MISCELLANEOUS VAULTS, RECONSTRUCTION
AND REPAIR, PHASE XX

CITY OF LAS VEGAS GENERAL NOTES I

SCALE
AS SHOWN

DRAWN BY: CHRISTOPHER BLANK
CHECKED BY: JENNIFER FERDINAND
RECOMMENDED BY: CHRISTOPHER M. LUQUETTE
ACCEPTED BY: RYAN C. PEARSON

9/08/2015
9/10/2015
DATE
DATE



CONTRACT NUMBER
C1435

DRAWING NUMBER G3
SHEET 3 OF 31

DEVIATIONS FROM STANDARDS

NONE

CITY OF LAS VEGAS TRAFFIC SIGNAL NOTES

- ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. EFFECTIVE MARCH 30, 2000 THE LEVEL OF CERTIFICATION REQUIRED IS LEVEL I, AND THE LEVEL OF CERTIFICATION REQUIRED SHALL BE INCREASED TO LEVEL II EFFECTIVE MARCH 30, 2001.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.
CALL-BEFORE-YOU-OVERHEAD 1-702-227-2929
CALL-BEFORE-YOU-DIG 1-800-227-2600
- ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS. (REVISIONS THRU MAY 11, 2000)
- SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND ONE 40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT.
- LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW. LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).
- LUMINAIRES ON ALL SIGNAL POLES SHALL BE 400 WATT HIGH PRESSURE SODIUM CUTOFF (G.E. M400A) WITH MC-111 DISTRIBUTION. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINAIRES THERE SHALL BE 2(TWO)-#4 AWG THW CONDUCTOR FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.
- THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRES PHOTO CELL FOR CONTROL WITH #10 AWG THW COPPER STRANDED WIRE (TYPICAL). IN THE EVENT THERE IS NO LUMINAIRE ON THE TRAFFIC SIGNAL POLE, THE 1000 WATT P.E. CONTROL SHALL BE MOUNTED ON THE POLE CAP.
- CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.
- ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 404.110, NO. 404.120, AND NO. 404.130.
- TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.
- PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE TACTILE TYPE IN ACCORDANCE WITH CITY OF LAS VEGAS SPECIAL PROVISIONS TO SECTION 623 OF THE CCA USS. PUSH BUTTON SIGNS SHALL BE 9" X 12" WITH FULL MOUNTING BRACKETS. ALL PUSH BUTTONS TO BE MOUNTED 36" ABOVE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE IS TO BE 24". SIDEWALK RAMPS WILL BE ACCORDING TO U.S.D. No. 235 (1-4) DATED 12-14-00.
- THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.
- MAST ARM R10-12 SIGNS TO BE ADJACENT (NO GAP) TO THE M-5 SIGNAL HEAD.
- INSTALL TYPE VIII CABINET. THIS IS COMMONLY REFERRED TO AS AN "R" CABINET. THE CABINET SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS, CLARK COUNTY AREA, NEVADA. INSTALL CABINET NEAR THE R.O.W. LINE OR AS SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL SUPPLY A 2070N CONTROLLER TO THE CITY OF LAS VEGAS TRAFFIC SIGNAL REPAIR SHOP. FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON, FOR TESTING PURPOSES, THE CONTRACTOR SHALL DELIVER THE CONTROLLER TO, AND PICKUP THE CONTROLLER AT 2801 E. CHARLESTON BOULEVARD. CONTRACTOR SHALL NOTIFY THE TRAFFIC SIGNAL REPAIR SHOP (229-6075) SEVEN DAYS PRIOR TO PICK UP. ALL 2070N CONTROLLERS MUST BE COMPATIBLE WITH AND FUNCTION PROPERLY WITH OS9 1996 OPERATION SYSTEM; THE LATEST REVISION OF THE "NEXT PHASE INTERSECTION MANAGEMENT SOFTWARE" (GARDNER TRANSPORTATION SYSTEM) AND THE ICONS (GARDNER TRANSPORTATION SYSTEM) GENERAL SOFTWARE.
- CONTRACTOR SHALL POTHOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.
- ALL MAST ARMS TO BE HOT-DIP GALVANIZED BY THE MANUFACTURER. THE MAST ARM IS TO BE FABRICATED WITH END TENON ONLY. THE END TENON SHALL BE FACTORY INSTALLED AND THE REMAINING TETONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 404.406 SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0, "SPECIFICATION FOR WELDED HIGHWAYS AND RAILWAY BRIDGES," AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 T.02.09 OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.
- ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF LAS VEGAS SPECIAL PROVISIONS TO SECTION 623 OF THE CCA USS.
- ALL VEHICLE DETECTION WILL BE BY VIDEO IMAGE DETECTION. EITHER ITERIS VANTAGE PLUS OR AUTO SCOPE 2004 VIDEO DETECTION SYSTEM MUST BE INSTALLED. EACH VIDEO CAMERA WILL HAVE POWER (3/16 COND. PVC JACKETED) AND 8281 COAXIAL CABLE DIRECTLY FROM THE CABINET. CAMERAS WILL BE MOUNTED PER THE MANUFACTURER'S RECOMMENDATIONS AND PER CLV TRAFFIC ENGINEER APPROVAL. "BNC" CONNECTORS ARE THE ONLY ACCEPTABLE TERMINATION OF CABLES.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.
- INTERCONNECT CABLE SHALL BE 25 PAIR OF #22 AWG SHIELD SPECIFICATION REA PE 39.
- THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS AND SIGNS AS IDENTIFIED ON THE PLANS.

REGIONAL TRANSPORTATION COMMITTEE
CITIZENS AREA TRANSIT ACCESS NOTES

- UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS, NO PUBLIC BUS OR TRANSIT STOP SHALL BE TEMPORARILY CLOSED WITHOUT THE WRITTEN CONSENT OF THE REGIONAL TRANSPORTATION COMMISSION (RTC) DIRECTOR OR HIS DESIGNEE. THE RTC SHALL BE NOTIFIED AT LEAST TEN (10) WORKING DAYS PRIOR TO THE PROPOSED TEMPORARY CLOSURE OF ANY BUS OR TRANSIT STOP, INCLUDING THOSE LISTED IN THE SPECIAL PROVISIONS.
- NO BUS STOPS AT TRANSFER POINTS SHALL BE CLOSED DURING CONSTRUCTION. BUS STOPS AT TRANSFER POINTS CAN, HOWEVER, BE TEMPORARILY RELOCATED WITH THE APPROVAL OF THE RTC DIRECTOR OR HIS DESIGNEE.
- IF BUS OR TRANSIT STOP IS TEMPORARILY RELOCATED, THE EXISTING BUS OR TRANSIT STOP SIGN PANELS SHALL BE RELOCATED TO TEMPORARY BUS OR TRANSIT STOPS AND SHALL REMAIN UNTIL TEMPORARY STOP IS REMOVED. TEMPORARY RELOCATION OF SIGN PANELS SHALL CONFORM TO SUBSECTION 627.03.05, "RELOCATION."
- THE CONTRACTOR SHALL MAINTAIN ACCESS WHICH IS IN CONFORMANCE TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT TO AND FROM BUS OR TRANSIT STOPS WHICH REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION.

CITY OF LAS VEGAS TRAFFIC NOTES

- 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 SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
- 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 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREET NAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
- WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
- ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- STREET SIGNS AND STOPS 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 IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
- 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.
- 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.
- GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
- ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
- CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

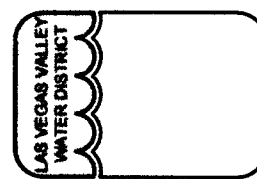
CITY OF LAS VEGAS STREET LIGHT NOTES

- ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA," LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA," LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.
- NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER.
- ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
- ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.
- ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.
- AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
- SERVICE POINT SHALL BE COORDINATED WITH NEVADA POWER COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE PLANS.
- 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.
- 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 BEFORE STREET LIGHT BASES ARE INSTALLED AT NO EXPENSE TO THE CITY OF LAS VEGAS.
- THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.
- THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHT/S AND/OR SERVICE/S INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFER WITH THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DEPARTMENT (TEFO) AT (702) 229-6327.



CLV DWG # 565-503

LAS VEGAS VALLEY
WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 878-3911



VERIFY SCALE



BAS. REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

MISCELLANEOUS VAULTS, RECONSTRUCTION
AND REPAIR, PHASE XX

CITY OF LAS VEGAS GENERAL NOTES II

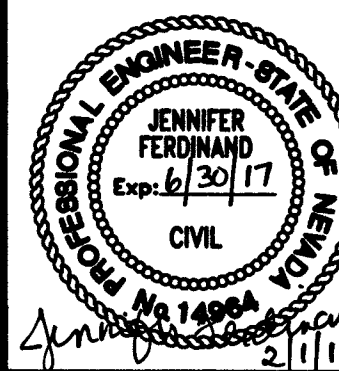
SCALE
AS SHOWN

DRAWN BY: CHRISTOPHER BLANK
CHECKED BY: JENNIFER FERDINAND
RECOMMENDED BY:

9/08/2015
9/10/2015

DATE
DATE
DATE

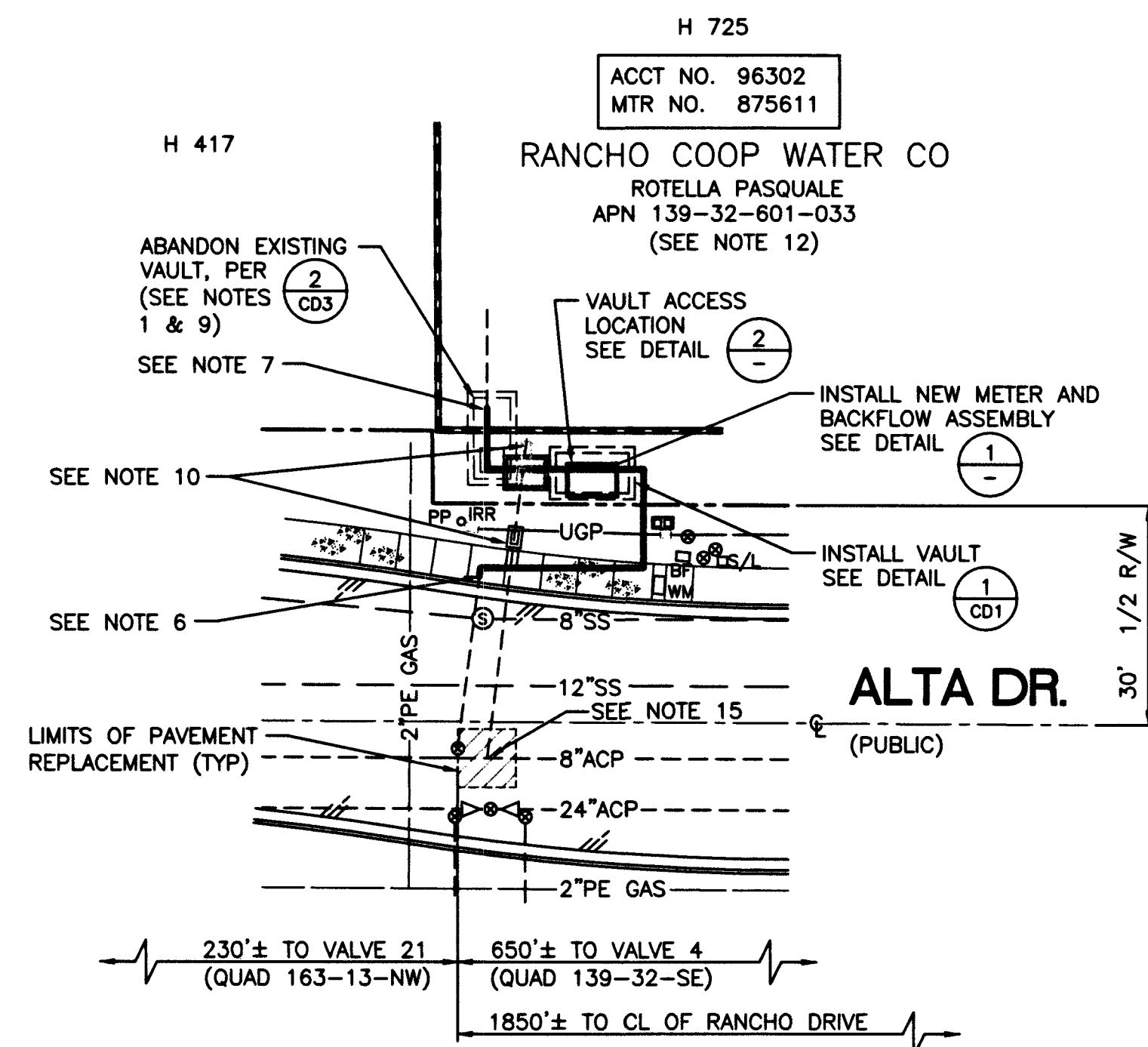
CHRISTOPHER M. LUQUETTE
RYAN C. PEARSON



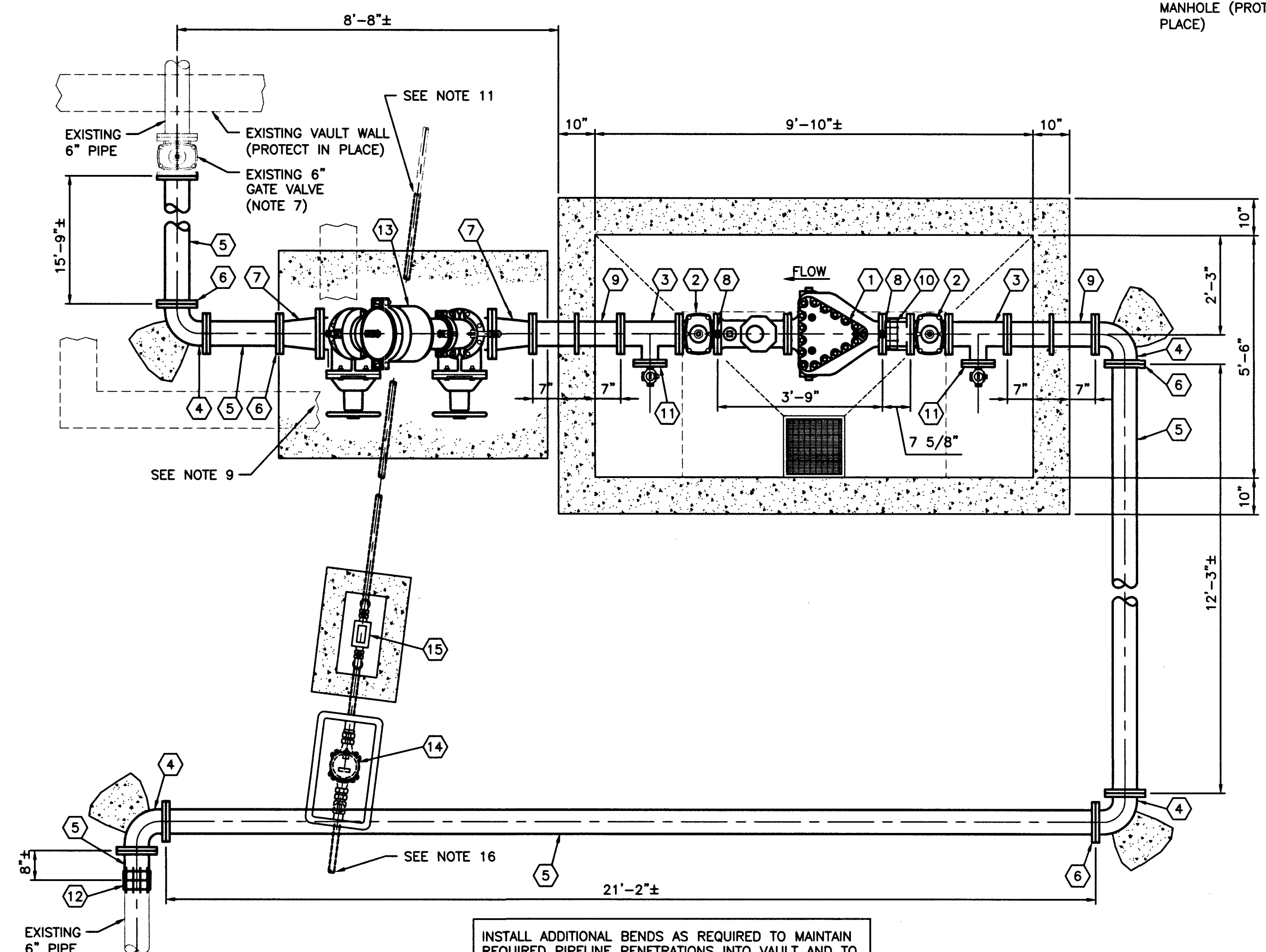
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DRAWING NUMBER G4
SHEET 4 OF 31

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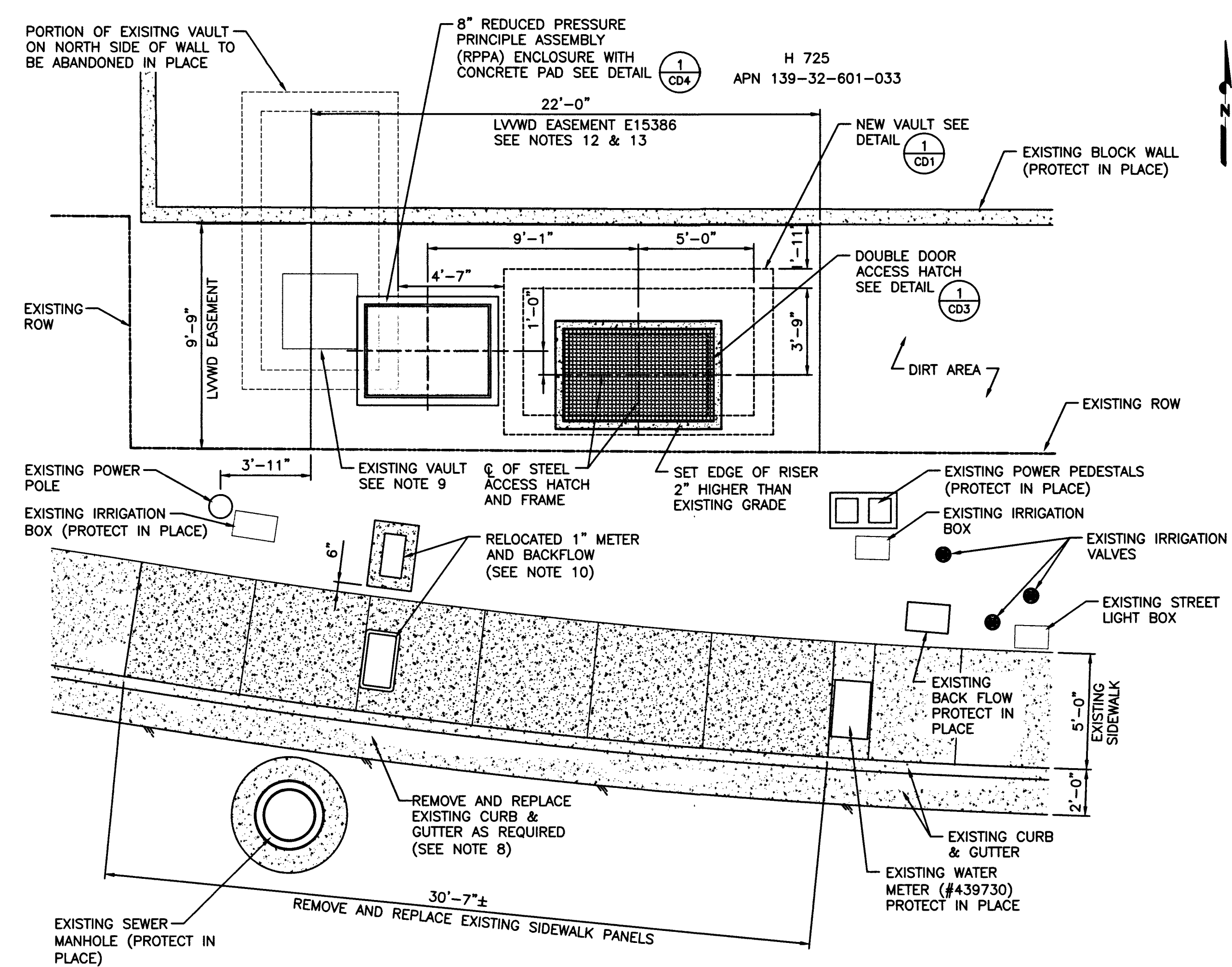
- A -		- C - (CONT.)		- F - (CONT.)		- M - (CONT.)		- Q - (CONT.)		- T - (CONT.)	
A/C	AIR CONDITIONING	CON	CONCENTRIC	FPS	FEET PER SECOND	MLCP	MORTAR LINED & COATED PIPE	QS	QUAD SHEET	TOR	TOP OF RIM
AB	ANCHOR BOLT	CONC	CONCRETE	FPT	FEMALE PIPE THREAD	MLCTWP	MORTAR LINED & COATED TAPE WRAPPED PIPE	QTR	QUARTER	TOS	TOP OF SLAB
ABAN	ABANDON	CONN	CONNECTION	FREQ	FREQUENCY	MON	MONUMENT	QTY	QUANTITY	TOSTL	TOP OF STEEL
ABC	AGGREGATE BASE COURSE	CONST	CONSTRUCTION	FRP	FIRE RETARDANT POLYESTER RESIN/ FIBERGLASS REINFORCED POLYMER	MOV	MOTOR OPERATED VALVE			TOSW	TOP OF SIDEWALK
ABS	ABSOLUTE	CONT	CONTINUE OR CONTINUOUS			MPT	MALE PIPE THREAD			TOT	TOTAL
ABUT	ABUTMENT	CONTR	CONTRACTOR	FSTNR	FASTENER	MSD	MAIN SERVICE DISTRIBUTION	- R -		TOW	TOP OF WALL
ABV	ABOVE	COORD	COORDINATE	FT	FOOT OR FEET	MSDS	MATERIAL SAFETY DATA SHEET	R	RADIUS	TP	TELEPHONE POLE/TOP OF PIPE
AC	ASPHALTIC CONCRETE	COR	CORNER	FTG	FOOTING	MTD	MOUNTED	(R)	RADIAL	TR	TRAIL OR TRACK/TOP OF RIM
ACKV	AUTOMATIC CHECK VALVE	CORP STOP	CORPORATION STOP	FUT	FUTURE			R/W	RIGHT-OF-WAY	TRANS	TRANSITION/TRANSMISSION
ACP	ASBESTOS CEMENT PIPE	COV PL	COVER PLATE					RCB	REINFORCED CONCRETE BOX	(TYP)	TYPICAL
ACS	ACCESS	CPLG	COUPLING					RCP	REINFORCED CONCRETE PIPE		
ADA	AMERICAN DISABILITY ACT	CPVC	CHLORINATED POLYVINYL CHLORIDE PIPE					RD	ROAD		
AD	AREA DRAIN	CT	COURT	- G -		N	NORTH	REC	RECESSED	- U -	
ADDL	ADDITIONAL	CTR	CENTER	G/B	GRADE BREAK	N/A	NOT APPLICABLE	RECT	RECTANGULAR		
ADDM	ADDENDUM	CTV	CABLE TELEVISION	G	GAS	NaOCL	SODIUM HYPOCHLORITE	REDUCER	REDUCER	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS, CLARK COUNTY, NV
ADJ	ADJUSTABLE	CU	CUBIC/COPPER	GA	GAGE	NAVD	NORTH AMERICAN VERTICAL DATUM	REF	REFERENCE (DIMENSION)	UE	UNDERGROUND ELECTRIC
AGGR	AGGREGATE	CUST	CUSTOMER	GAL(S)	GALLON(S)	NAP	NOT-A-PART	REG	REGULATING (REGULATOR)	UFC	UNIFORM FIRE CODE
AHD	AHEAD	CV	CONTROL VALVE	GALV	GALVANIZED	NBS	NATIONAL BUREAU OF STANDARDS	REINF	REINFORCED (REBAR)	UG	UNDERGROUND
AL	ALUMINUM	CW	CLOCKWISE	GENL	GENERAL	NC	NATIONAL COARSE	REQD	REQUIRED	UGC	UNDERGROUND CONDUIT
ALT	ALTERNATE	CY	CUBIC YARD	GIS	GEOGRAPHIC INFORMATION SYSTEM	NCS	NEVADA COORDINATE SYSTEM	RES	RESIDENTIAL OR RESERVOIR	UGP	UNDERGROUND POWER
AMS	ANGLE METER STOP	CYL	CYLINDER	GND	GROUND	NDOT	NEVADA DEPARTMENT OF TRANSPORTATION	RET	RETURN	UGT	UNDERGROUND TELEPHONE
AMT	AMOUNT			GPD	GALLONS PER DAY	NE	NORTHEAST	REV	REVISION OR REVERSE	UL	UNDERWRITERS LABORATORIES
&	AND			GPH	GALLONS PER HOUR	NF	NORTH FACE	RF	RAISED FACE	UNC	AMERICAN STANDARD UNIFIED COARSE THREAD
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE			GPM	GALLONS PER MINUTE	NFFPA	NATIONAL FIRE PROTECTION ASSOCIATION	RM	ROOM	UNF	AMERICAN STANDARD UNIFIED FINE THREAD
ANT	ANTENNA	- D -		GRD	GRADE	NG	NATURAL GROUND	RME	RESIDENTIAL MAIN EXTENSION	UNIV	UNIVERSAL
AP	ACCESS PANEL	D OR Δ	DELTA ANGLE	GRT	GRATE	NIC	NOT IN CONTRACT	RPM	REVOLUTIONS PER MINUTE	UNO	UNLESS NOTED OTHERWISE
APN	ASSESSOR PARCEL NUMBER	D/W	DRIVEWAY	GV	GATE VALVE	NIP	NOT IN PROJECT	RPS	REVOLUTIONS PER SECOND	UPC	UNIFORM PLUMBING CODE
APPROX	APPROXIMATE	DEC	DECIMETER			NO. #	NUMBER	RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY	UPRR	UNION PACIFIC RAILROAD
APVD	APPROVED	DEMO	DEMOLITION			NOM	NOMINAL	RR	RAILROAD	USD	UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA
ASA	AMERICAN STANDARDS ASSOCIATION	DEPT	DEPARTMENT			NOSHA	NEVADA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	RT	RIGHT/RING TITE	USGS	UNITED STATES GEODETTIC SURVEY
ASPH	ASPHALT	DET	DETAIL	- H -		NPC	NEVADA POWER COMPANY	RV	RELIEF VALVE	USS	UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA
ASSN	ASSOCIATION	DEV	DEVELOPMENT	H	HOUSE	NPS	NOMINAL PIPE SIZE			UTIL	UTILITIES
ASSY	ASSEMBLY	DI	DROP INLET OR DUCTILE IRON	H&V	HEATING & VENTILATION	NPT	NATIONAL TAPER PIPE THREAD				
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	DIA OR Ø	DIAMETER	HARN	HIGH ACCURACY FREQUENCY NETWORK	NRS	NEVADA REVISED STATUTES/ NON-RISING STEM				
AUX	AUXILIARY	DIAG	DIAGONAL	HB	HOSE BIBB	NTS	NOT TO SCALE				
AV	AIR VENT/AIR VALVE	DIM	DIMENSION	HD	HEAD	NW	NORTHWEST				
AVAR	AIR VACUUM AIR RELEASE VALVE	DIP	DUCTILE IRON PIPE	HDR	HEADER						
AVE	AVENUE	DIR	DIRECTION	HEX	HEXAGONAL						
AWG	AMERICAN WIRE GAUGE	DISCH	DISCHARGE	HMWPE	HIGH MOLECULAR WEIGHT POLYETHYLENE						
AWWA	AMERICAN WATER WORKS ASSOCIATION	DIST	DISTANCE	HORIZ	HORIZONTAL						
		DISTR	DISTRIBUTION	HP	HORSEPOWER						
		DIV	DIVISION	HPI	HORIZONTAL POINT OF INTERSECTION						
B/H	BUMPED HEAD	DL	DEAD LOAD	HPG	HIGH PRESSURE GAS						
B&S	BELL & SPIGOT	DMH	DROP MANHOLE	HR	HOUR						
BAL	BALANCE	DN	DOWN	HT	HEIGHT						
BC	BOLT CIRCLE/BACK OF CURB	DR	DRIVE	HV	HOSE VALVE						
BCV	BUTTERFLY CHECK VALVE	DRW	DRY WELL	HWY	HIGHWAY						
BE	BELL END	DUPL	DUPLICATE								
BETW	BETWEEN	DWG	DRAWING								
BFP	BACKFLOW PREVENTER										
BFV	BUTTERFLY VALVE										
BK	BOOK/BACK										
BL-FLG	BLIND FLANGE	- E -									
BLDG	BUILDING	E	EAST OR EDGE	ID	INSIDE DIAMETER						
BLK	BLOCK	EA	EACH	IN	INCH						
BLM	BUREAU OF LAND MANAGEMENT	INST	INSTALL	INSTR	INSTRUMENT						
BLVD	BOULEVARD	EC	EPOXY COATED/END OF CURB	INSUL	INSULATION						
BM	BENCHMARK	ECC	ECCENTRIC	INT	INTERIOR						
BO	BLOW OFF ASSEMBLY	EF	EACH FACE	INV	INVERT						
BOC	BACK OF CURB	EL	EPOXY LINED	IPS	IRON PIPE SIZE						
BOT	BOTTOM	ELEC	ELECTRICAL	IRR	IRRIGATION						
BOW	BACK OF WALK	ELEV	ELEVATION								
BPV	BACK PRESSURE VALVE	ELL	ELBOW								
BRG	BEARING	ENG	ENGINE/ENGINEERING								
BS	BACK SIGHT	ENGR	ENGINEER								
BUR	BURIED	EOP	EDGE OF PAVEMENT								
BV	BALL VALVE	EOS	EDGE OF SHOULDER								
BW	BOTH WAYS/BACK OF SIDEWALK	EQ	EQUAL OR EQUATION								
		EQ SP	EQUALLY SPACED								
		EQUIP	EQUIPMENT								
		EQUIV	EQUIVALENT								
		ESMT	EASEMENT								
		EST	ESTIMATE								
C/C	CENTER TO CENTER	ETC	ETCETERA								
C	CONDUIT	EW	EACH WAY								
C&G	CURB & GUTTER	EXC	EXCAVATE								
CAL	CALIBRATE	EXIST	EXISTING								
CAP	CAPACITY	EXP JT	EXPANSION JOINT								
CAV	COMBINATION AIR VALVE	EXT	EXTENSION								
CB	CATCH BASIN										
CCO	CLARK COUNTY										
CEM	CEMENT										
CI	CAST IRON										
CIP	CAST IRON PIPE/CAST IN PLACE										
CIR	CIRCLE										
CIRCUM	CIRCUMFERENCE										
CJP	COMPLETE JOINT PENETRATION										
CL OR Ø	CENTERLINE										
CL2	CHLORINE										
CLG	CEILING										
CLO	CLEANOUT										
CLP	CLAMP										
CLR	CLEAR										
CLSM	CONTROLLED LOW STRENGTH MATERIAL										
CLV	CITY OF LAS VEGAS										
CM	CENTIMETER										
CMP	CORRUGATED METAL PIPE										
CMU	CONCRETE MASONRY UNIT										
CNLV	CITY OF NORTH LAS VEGAS										
CO	COUNTY/COMPANY/CONTRACT										
COH	CITY OF HENDERSON										
COL	COLUMN										
COMB	COMBINATION										
COMM	COMMUNICATION										
COMPL	COMPLETE										

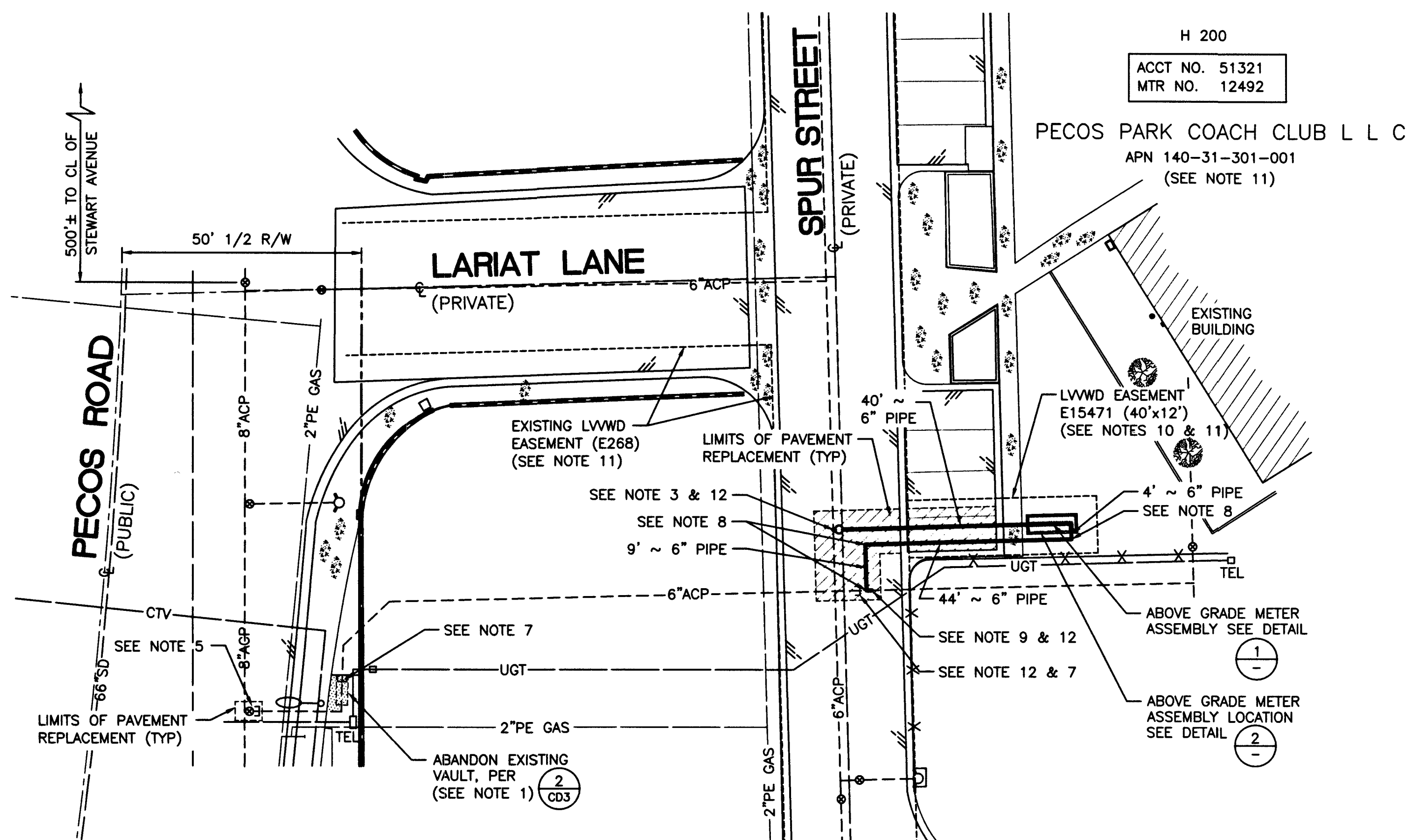


PLAN
SCALE: 1" = 20'

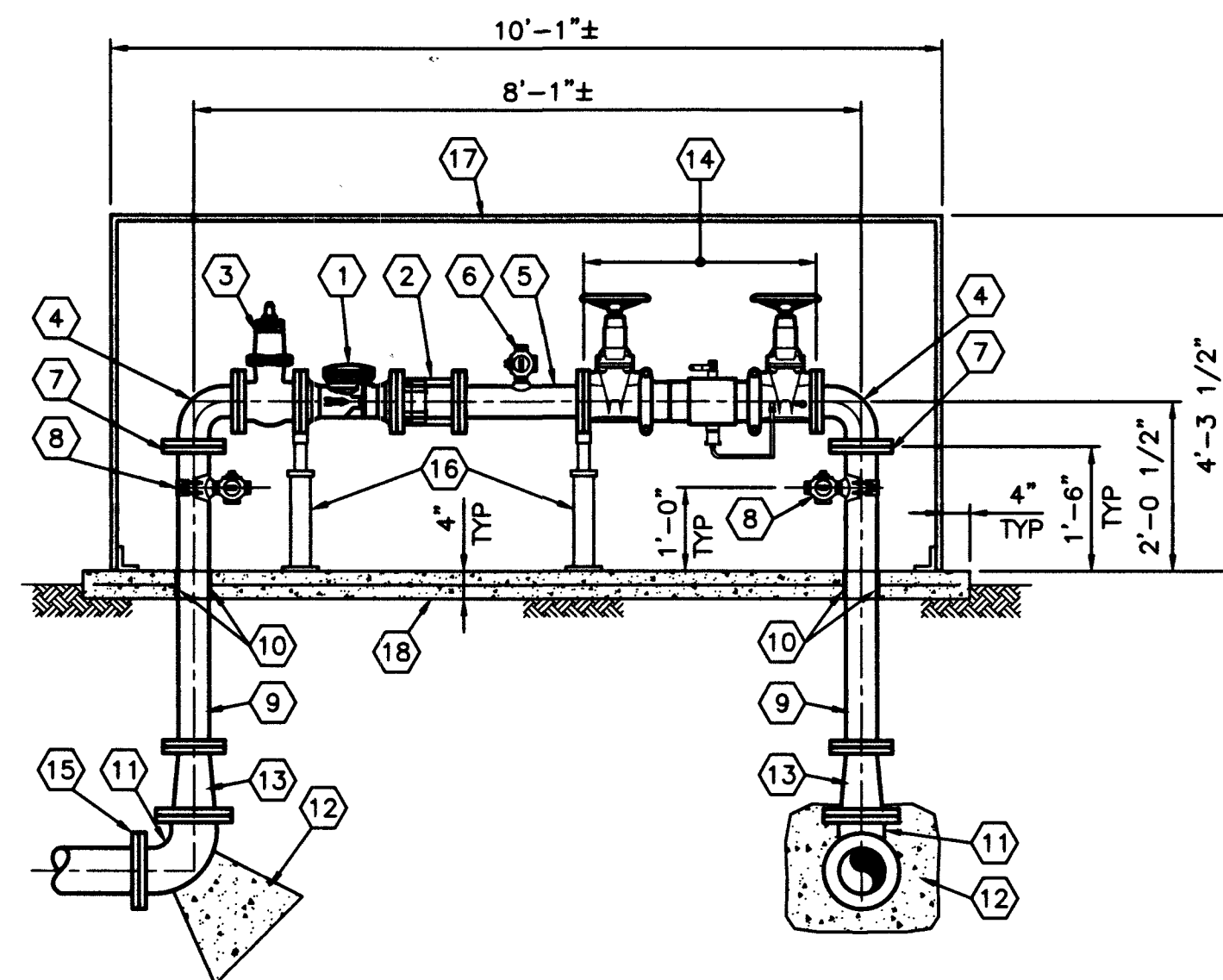
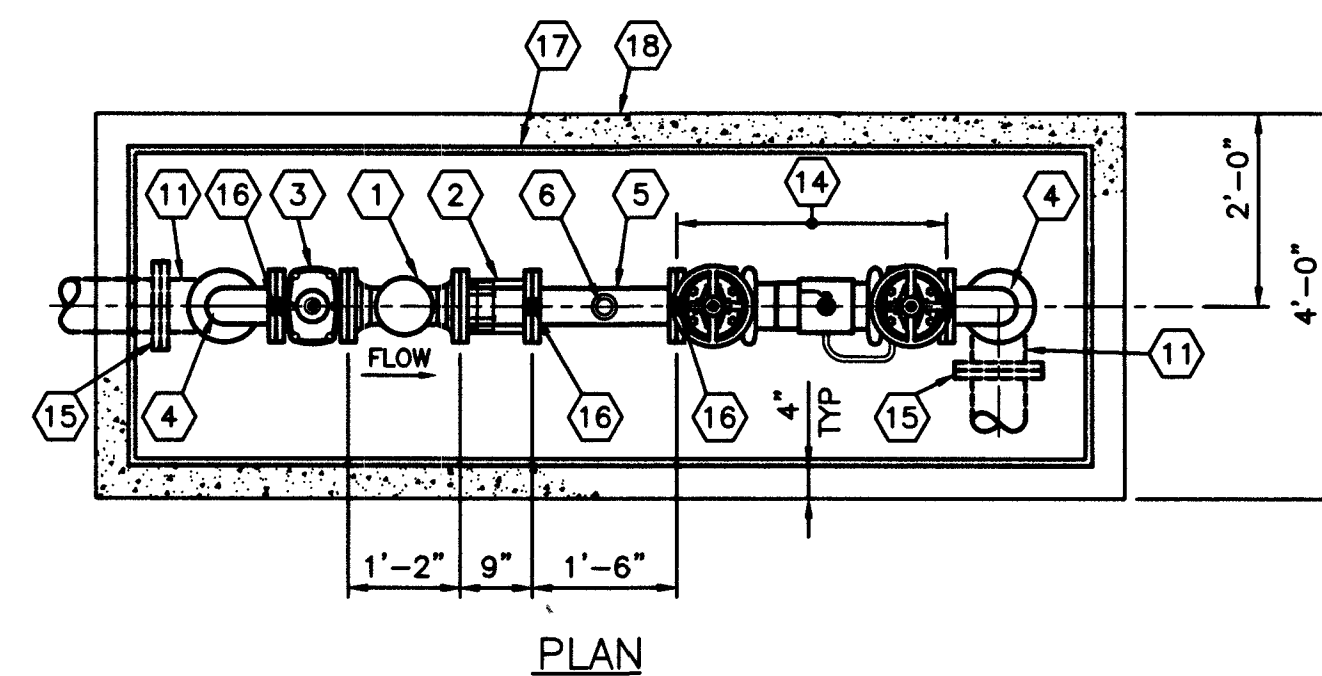


METER VAULT - DETAIL
SCALE: 1/2" = 1'-0"



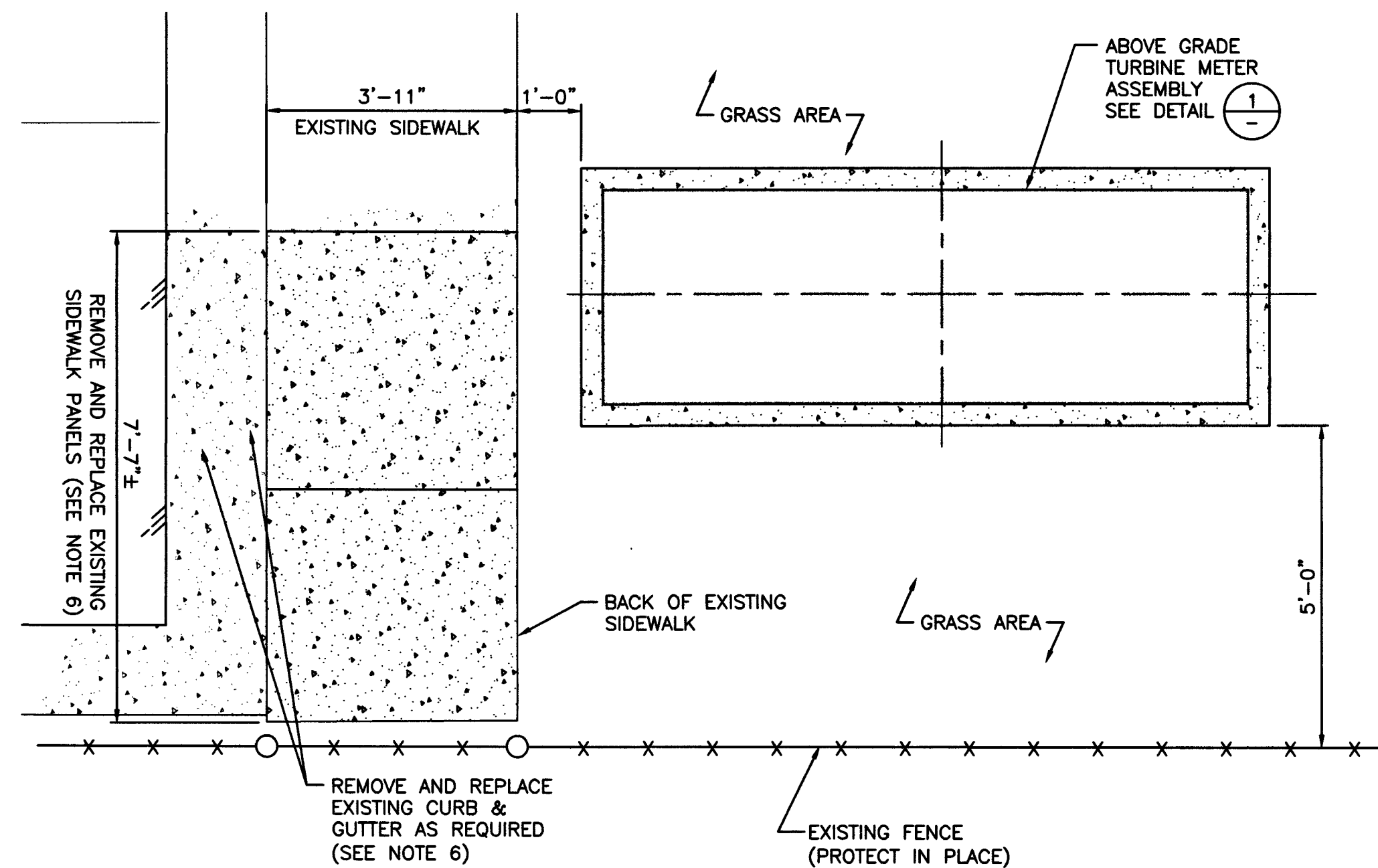


PLAN
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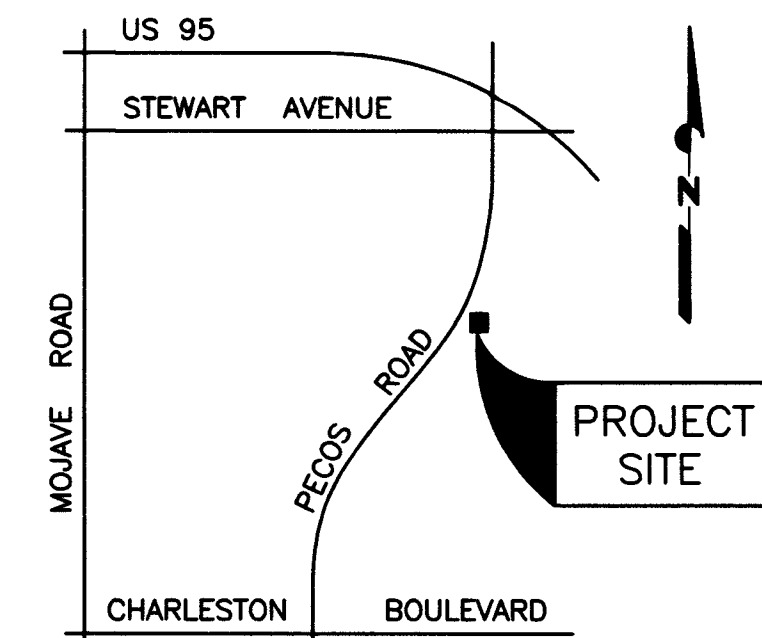


INSTALL ADDITIONAL BENDS AS REQUIRED TO MAINTAIN REQUIRED PIPELINE ELEVATIONS TO CONNECT TO ONSITE AND OFFSITE PIPING.

ABOVE GRADE METER ASSEMBLY
SCALE: 1/2" = 1'-0"



ABOVE GRADE METER ASSEMBLY LOCATION - DETAIL
SCALE: 1/2" = 1'-0"



MISCELLANEOUS VAULTS, RECONSTRUCTION AND REPAIR, PHASE XX

200 NORTH PECOS ROAD

DRAWN BY: JONATHAN G. BLANK

CHECKED BY: JENNIFER FERDINAND

RECOMMENDED BY: CHRISTOPHER M. LUQUETTE

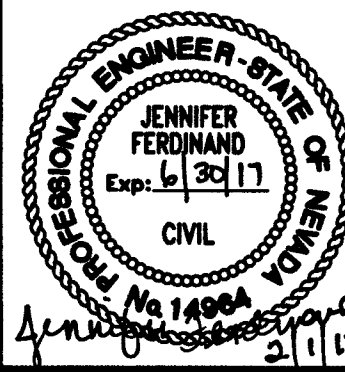
ACCEPTED BY: RYAN C. PEARSON

DATE: 7/17/2015

DATE: 7/16/2015

DATE: 7/16/2015

DATE: 7/16/2015



CONTRACT NUMBER

C1435

DRAWING NUMBER C3
SHEET 8 OF 31

MATERIAL LIST

- | | |
|--|--|
| ① 4" METER MASTER OCTAVE WATER METER (LVWD FURNISHED) | ⑪ 6" FLG 90° BEND |
| ② 4" DISMANTLING JOINT | ⑫ CONCRETE THRUST/ANCHOR BLOCK |
| ③ 4" FLG GATE VALVE | ⑬ 6" x 4" FLG REDUCER |
| ④ 4" FLG 90° BEND | ⑭ 4" WATTS 957 REDUCED PRESSURE PRINCIPLE (RPPA) BACKFLOW ASSEMBLY |
| ⑤ 4" FLG x FLG DUCTILE IRON PIPE WITH 2" NPT OUTLET (LVWD FURNISHED) | ⑮ 6" ADAPTER FLANGE (RESTRAINED) |
| ⑥ 2" CORP STOP | ⑯ ADJUSTABLE PIPE SUPPORT |
| ⑦ 4" ADAPTER FLANGE (RESTRAINED) | ⑰ INSULATED ENCLOSURE, SEE SPEC SECTION 13 34 00 |
| ⑧ 2" SERVICE SADDLE AND 2" CORP STOP (BYPASS) | ⑱ CONCRETE PAD WITH WELDED WIRE FABRIC, 4 x 4 - W1.4 x W1.4 |
| ⑨ 4" FLG x PE DUCTILE IRON PIPE (CUT TO FIT) | |
| ⑩ 1/2" EXPANSION JOINT MATERIAL | |

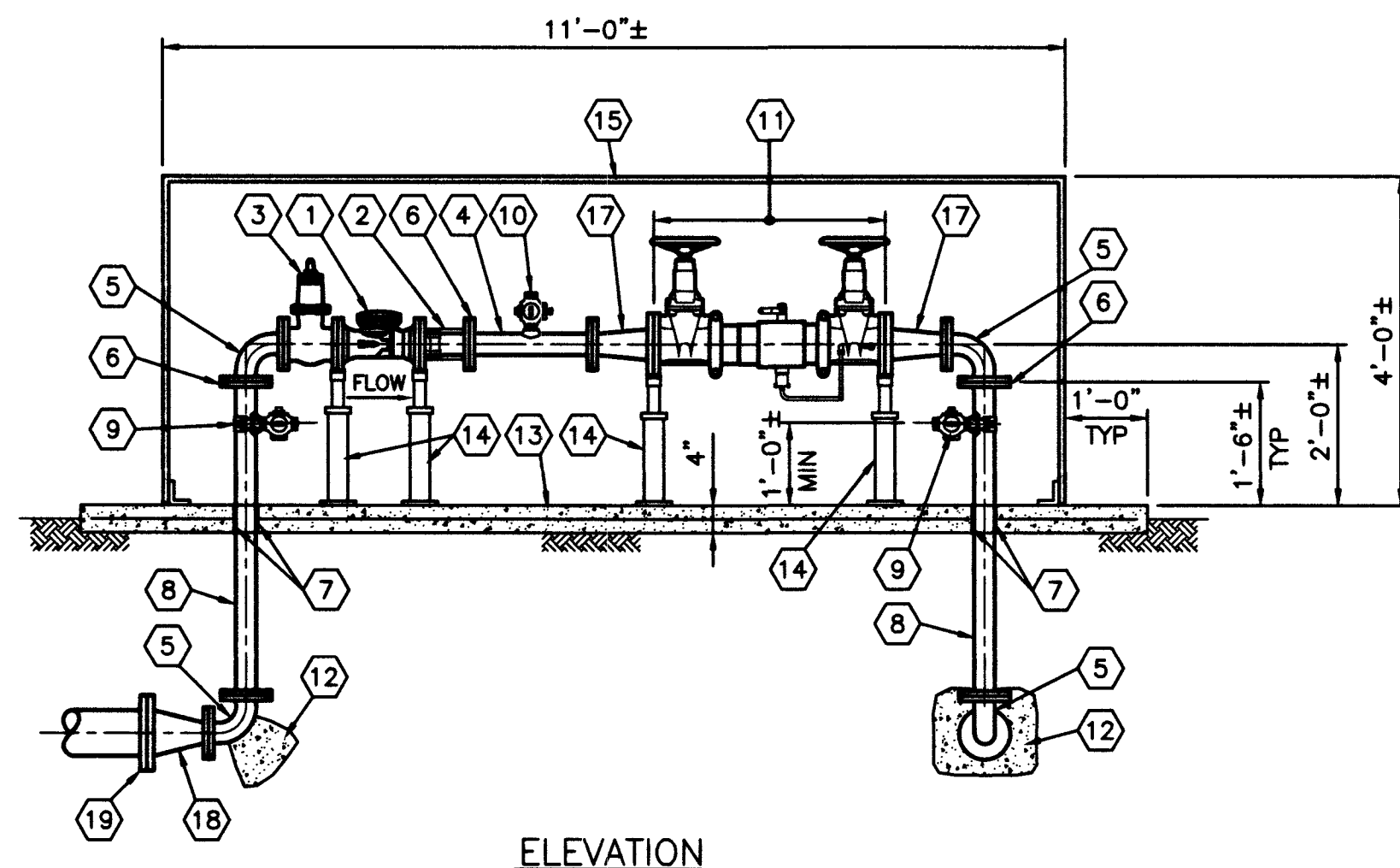
INSTALLATION NOTES:

- REMOVE AND DISPOSE OF INDICATED PORTION OF EXISTING VAULT AND PIPING. RETURN METERS TO LVWD YARD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
- INSTALL 6" TAPPING SLEEVE WITH CONCRETE THRUST BLOCK, 6" FLG GATE VALVE, AND 6" FLG x PO ADAPTER. COMPLETE WET TAP SEE SPECS SEC 33 10 01. SEE DETAIL (5) CD6
- REMOVE EXISTING REMOTE READ EQUIPMENT AND RETURN TO LVWD YARD.
- CUT AND CAP EXISTING 6" PIPE, PER SPECS SEC 02 83 13 AND ABANDON EXISTING VALVE IN CLOSED POSITION. SEE SPECS SEC 33 10 10.
- REMOVE AND REPLACE EXISTING SIDEWALK AND CURB TO NEAREST WEAKENED PLANE JOINT.
- CUT AND CAP EXISTING 6" PIPE, PER SPECS SEC 02 83 13.
- INSTALL 6"-90° BEND AND CONCRETE THRUST/ANCHOR BLOCK SEE DETAIL (1) CD9
- CUT EXISTING 6" PIPE AND CONNECT TO NEW PIPE WITH ENGINEER APPROVED COUPLING AS REQUIRED.
- CONTRACTOR TO HAVE NEVADA LICENSED PROFESSIONAL LAND SURVEYOR LOCATE LVWD EASEMENT PRIOR TO CONSTRUCTION.
- SEE SPEC SECTION 01 14 23 FOR LEGAL DESCRIPTIONS FOR RIGHT-OF-ENTRY AND LVWD EASEMENT.
- CONTRACTOR TO LOCATE EXISTING ONSITE PIPING AND CONFIRM DIAMETER AND PIPE MATERIAL PRIOR TO ORDERING MATERIAL.

Call before you Dig
Avoid existing underground utility lines.

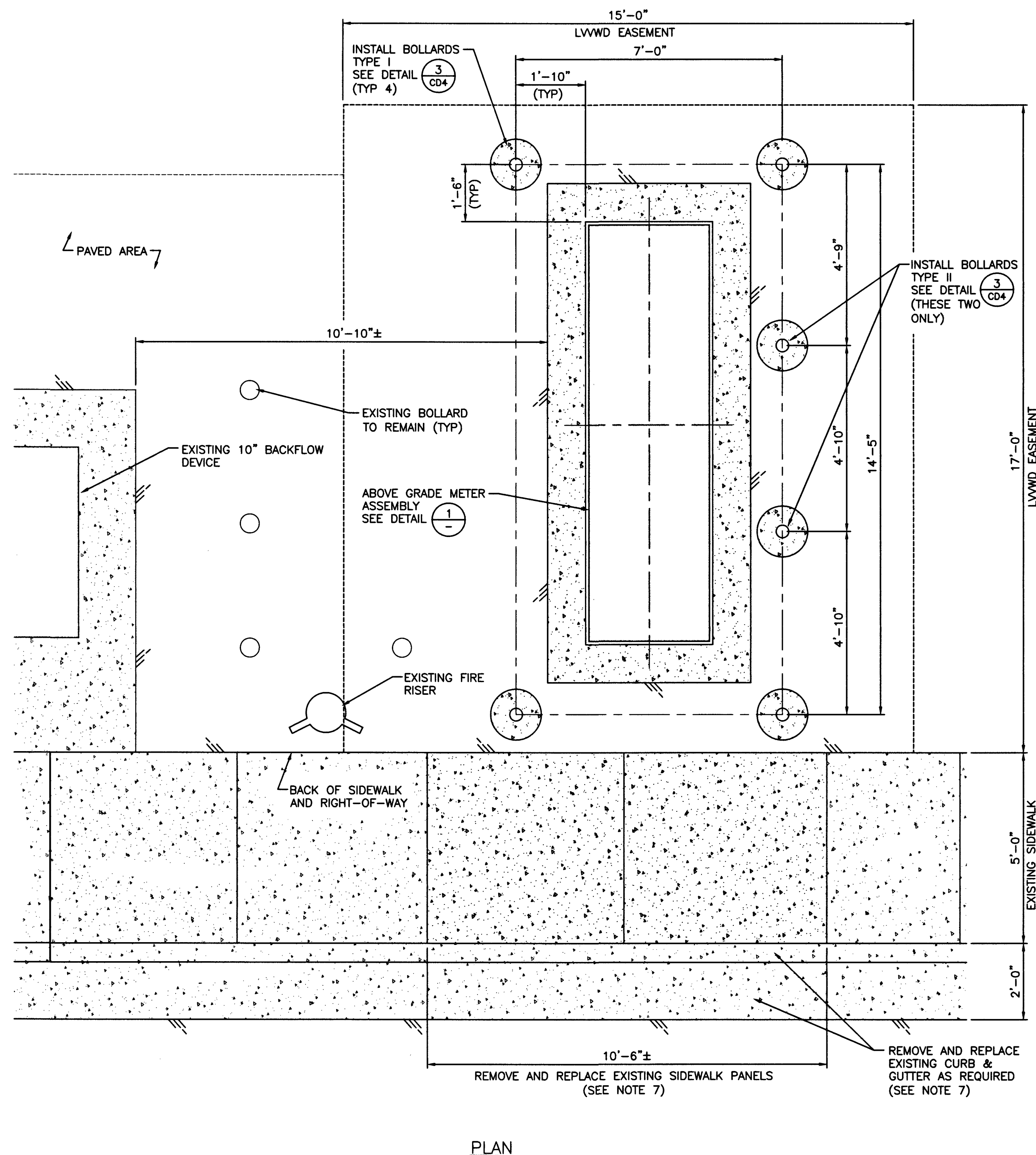
Call before you OVERHEAD
1-800-227-2929
1-702-227-2929
1-702-455-7544

CLV DWG # 565-503



ABOVE GRADE METER ASSEMBLY

SCALE: 1/2" = 1'-0"

$$\frac{1}{-}$$


ABOVE GRADE METER ASSEMBLY LOCATION - DETAIL

SCALE: $1/2" = 1'-0"$

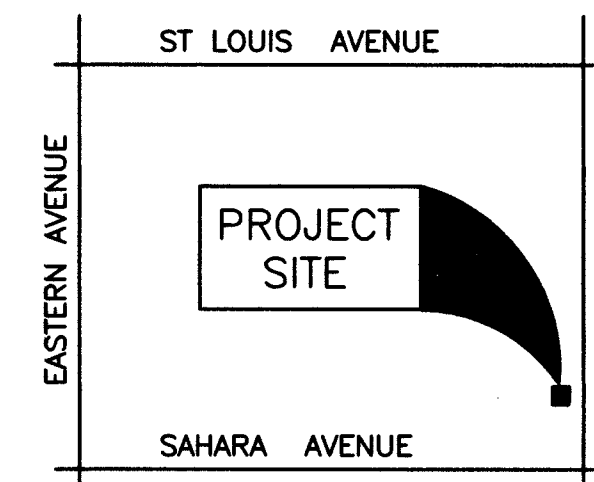
$$\frac{2}{-}$$

MATERIAL LIST

- | | | | |
|----|--|----|--|
| 1 | 3" METER MASTER OCTAVE WATER METER (LVWD FURNISHED) | 11 | 4" WATTS 957 REDUCED PRESSURE PRINCIPLE (RPPA) BACKFLOW ASSEMBLY |
| 2 | 3" DISMANTLING JOINT | 12 | CONCRETE THRUST/ANCHOR BLOCK |
| 3 | 3" FLG GATE VALVE | 13 | CONCRETE PAD WITH WELDED WIRE FABRIC, 4' x 4' - W1.4' x W1.4' |
| 4 | 3" FLG x FLG DUCTILE IRON PIPE WITH 2" NPT OUTLET (LVWD FURNISHED) | 14 | ADJUSTABLE PIPE SUPPORT |
| 5 | 3" FLG 90° BEND | 15 | INSULATED ENCLOSURE, SEE SPEC SECTION 13 34 00 |
| 6 | 3" ADAPTER FLANGE (RESTRAINED) | 16 | 3" SLEEVE TYPE COUPLING |
| 7 | 1/2" EXPANSION JOINT MATERIAL | 17 | 4" x 3" FLG REDUCER |
| 8 | 3" FLG x PE DUCTILE IRON PIPE (CUT TO FIT) | 18 | 6" x 3" FLG REDUCER |
| 9 | 2" SERVICE SADDLE AND 2" CORP STOP (BYPASS) | 19 | 6" ADAPTER FLANGE (RESTRAINED) |
| 10 | 2" CORP STOP | | |

INSTALLATION NOTES:

1. REMOVE AND DISPOSE OF INDICATED PORTION OF EXISTING VAULT AND PIPING. RETURN METERS TO LVVWD YARD.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
3. CUT EXISTING 3" PIPE AND CONNECT TO NEW PIPE WITH ENGINEER APPROVED COUPLING AS REQUIRED.
4. REMOVE EXISTING REMOTE READ EQUIPMENT AND RETURN TO LVVWD YARD.
5. CONTRACTOR TO HAVE NEVADA LICENSED PROFESSIONAL LAND SURVEYOR LOCATE LVVWD EASEMENT PRIOR TO CONSTRUCTION.
6. SEE SPEC SECTION 01 14 23 FOR LEGAL DESCRIPTIONS OF RIGHT-OF-ENTRY AND LVVWD EASEMENT.
7. REMOVE AND REPLACE EXISTING SIDEWALK AND CURB TO NEAREST WEAKENED PLANE JOINT.
8. INSTALL 6" x 6" TAPPING SLEEVE WITH CONCRETE THRUST BLOCK, 6" FLG GATE VALVE, AND 6" FLG x PO ADAPTER. COMPLETE W/ TAP SEE SPECS SECTION 33 10 01. SEE DETAIL.
9. CUT AND CAP EXISTING 3" PIPE AND ABANDON EXISTING VALVE IN CLOSED POSITION. SEE SPECS SECTION 33 10 10.
10. CONTRACTOR TO LOCATE EXISTING ONSITE PIPING FOR CONNECTION AND CONFIRM DIAMETER AND PIPE MATERIAL PRIOR TO ORDERING MATERIAL.
11. RELOCATED EXISTING BOLLARD AS NECESSARY.



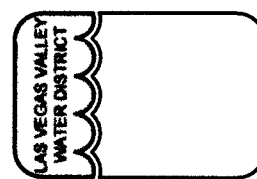
VICINITY MAP

NOT TO SCALE

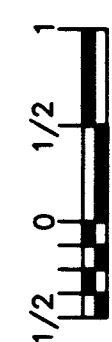
CITY OF LAS VEGAS

FOR MCLEOD STREET:
RTC BUS ROUTE III

**LAS VEGAS VALLEY
WATER DISTRICT**
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89103
(702) 670-2381



VERIFY SCALE



BAR REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

**MISCELLANEOUS VAULTS, RECONSTRUCTION
AND REPAIR, PHASE XX**

2701 EAST SAHARA AVENUE

SCALE

AS SHOWN

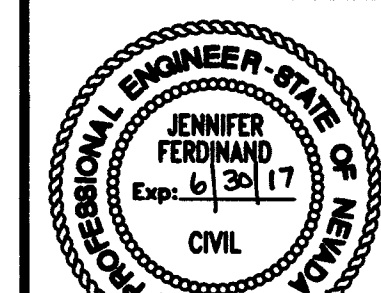
DRAWN BY: CHRISTOPHER G. BLANK 7/27/2015

CHRISTOPHER G. BLANK	7/27/2015
CHECKED BY:	
JENNIFER FERDINAND	7/30/2015

RECOMMENDED BY: _____ 7/20/2016

CHRISTOPHER M. LUQUETTE DATE

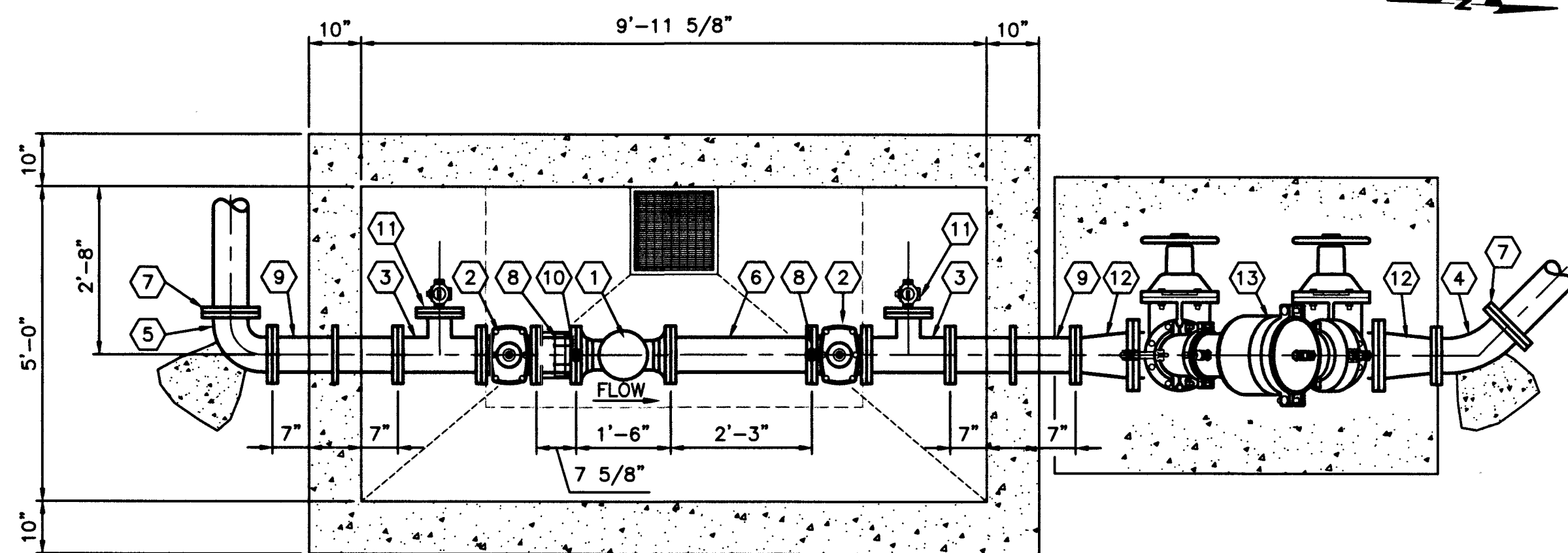
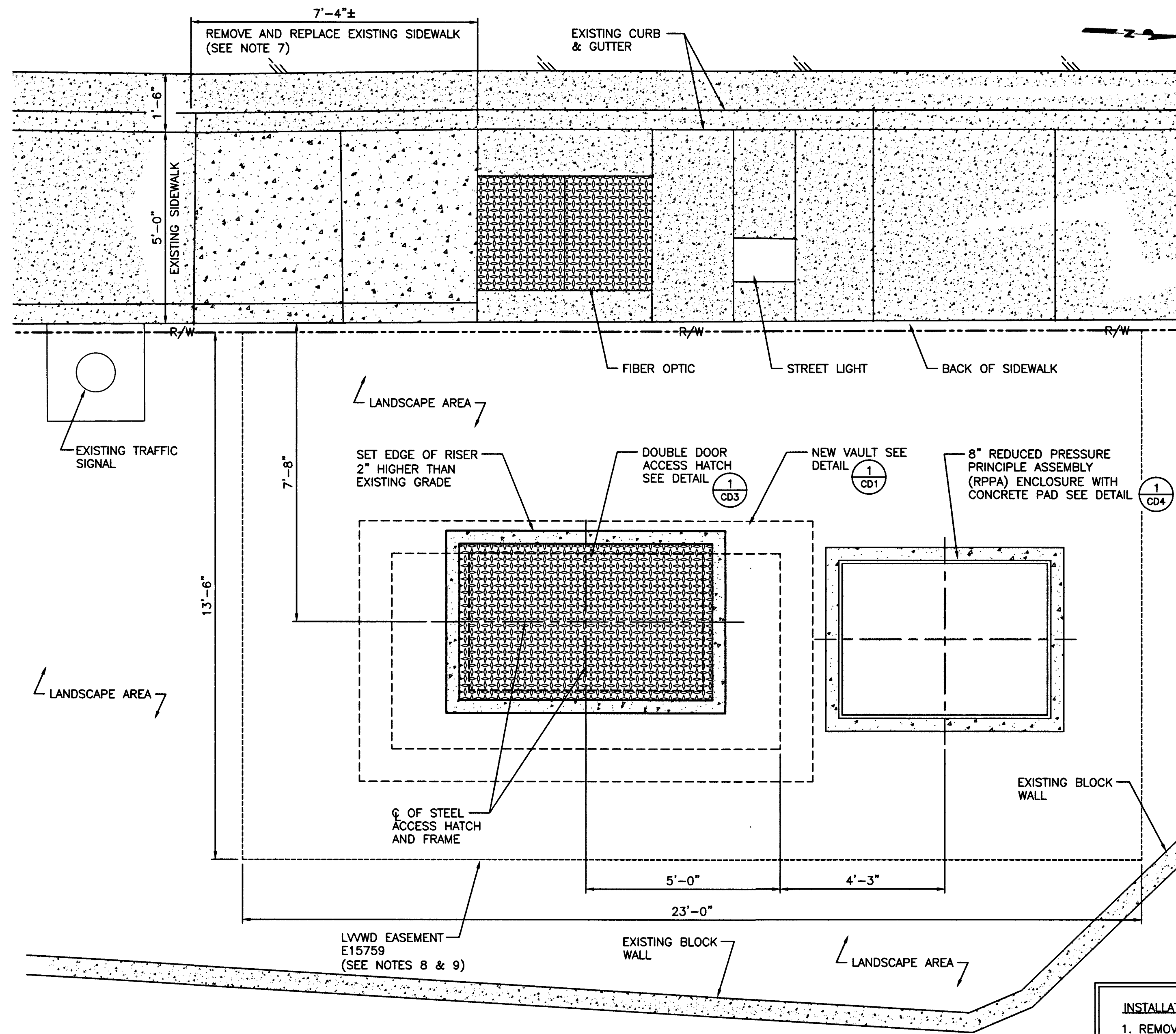
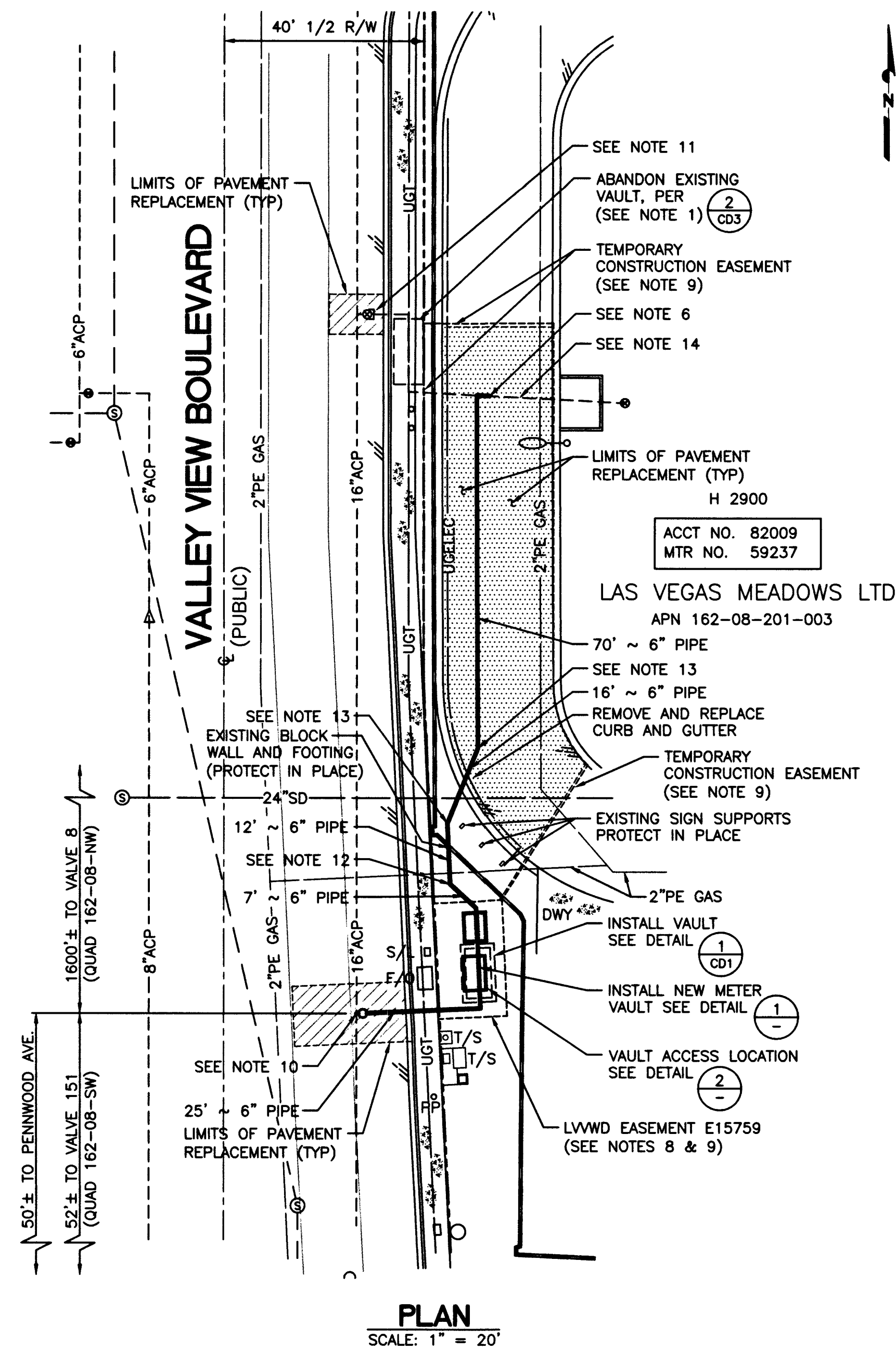
ACCEPTED BY: RYAN C. DEAPSON DATE



CONTRACT NUMBER

C1435
DRAWING NUMBER **C4**
SHEET 9 OF 31

4# 67687
CLV DWG # 565-503



MATERIAL LIST	
1 6" METER MASTER OCTAVE WATER METER (LVWD FURNISHED)	8 ADJUSTABLE PIPE SUPPORT
2 6" FLG GATE VALVE W/HANDWHEEL	9 6" # ASA SCHEDULE 40 FABRICATED STEEL PIPE, 2'-0" LONG. FLG BOTH ENDS WITH 1" WIDE x 1" THICK ANCHOR RING, EPOXY LINED AND COATED WITH 100% SOLIDS, THERMOSETTING, FUSION BONDED, DRY POWDER EPOXY RESIN.
3 6" x 4" FLG x FLG TEE	10 6" DISMANTLING JOINT
4 6" FLG x FLG 45° BEND WITH CONCRETE THRUST BLOCK	11 4" BLIND FLANGE WITH 2" NPT OUTLET AND 2" CORP STOP (BYPASS)
5 6" FLG x FLG 90° BEND WITH CONCRETE THRUST BLOCK	12 8" x 6" FLG REDUCER
6 6" FLG x FLG SPOOL PIECE W/2" NPT OUTLET (LVWD FURNISHED)	13 8" REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) WITH CONCRETE PAD SEE DETAIL 1 CD4
7 6" ADAPTER FLANGE (RESTRAINED)	

- INSTALLATION NOTES:**
1. REMOVE AND DISPOSE OF EXISTING VAULT AND PIPING. RETURN METERS TO LVWD YARD.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
 3. NEW PIPING WITHIN VAULT TO BE PAINTED AND COATED PER SPECS SEC 09 96 00.
 4. REMOVE EXISTING REMOTE READ EQUIPMENT AND RETURN TO LVWD YARD.
 5. BACKFILL AROUND VAULT STRUCTURE PER SPECS SEC 31 20 00.
 6. CUT EXISTING 6" PVC OR ACP AND CONNECT WITH NEW PIPE, AND ENGINEER APPROVED COUPLING AS REQUIRED.
 7. REMOVE AND REPLACE EXISTING SIDEWALK AND CURB TO NEAREST WEAKENED PLANE JOINT.
 8. CONTRACTOR TO HAVE NEVADA LICENSED PROFESSIONAL LAND SURVEYOR LOCATE LVWD EASEMENT PRIOR TO CONSTRUCTION.
 9. SEE SPEC SECTION 01 14 23 FOR LEGAL DESCRIPTIONS OF LVWD EASEMENT AND TEMPORARY CONSTRUCTION EASEMENT.
 10. INSTALL 16" x 6" TAPPING SLEEVE WITH CONCRETE THRUST BLOCK, 6" FLG GATE VALVE, AND 6" FLG x PO ADAPTER. COMPLETE WET TAP SEE SPECS SEC 33 10 01. SEE DETAIL 5 CD6
 11. CUT AND CAP EXISTING 6" PIPE. PER SPECS SEC 02 83 13 AND ABANDON EXISTING VALVE IN CLOSED POSITION. SEE SPECS SEC 33 10 10.
 12. INSTALL 6"-45" FLG x FLG BEND WITH CONCRETE THRUST BLOCK AND LOCATOR BALL SEE 1 CD9
 13. INSTALL 6"-22.5" MJ BEND WITH LOCATOR BALL
 14. CONTRACTOR TO LOCATE EXISTING ONSITE PIPING AND CONFIRM DIAMETER AND PIPE MATERIAL PRIOR TO ORDERING MATERIAL.

INSTALL ADDITIONAL BENDS AS REQUIRED TO MAINTAIN REQUIRED PIPELINE PENETRATIONS INTO VAULT AND TO CONNECT TO ONSITE PIPING.

METER VAULT - DETAIL 1
SCALE: 1/2" = 1'-0"

Call before you Dig
Avoid surface power line contact. It's deadly.

Call before you Dig
1-800-227-2800
1-702-227-2929
1-702-456-7544

LAS VEGAS VALLEY WATER DISTRICT
100 & VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89103
702 797-5811

VERIFY SCALE
1/2" 0 1/2"
BAR REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL

MISCELLANEOUS VAULTS, RECONSTRUCTION AND REPAIR, PHASE XX

2900 SOUTH VALLEY VIEW BOULEVARD

SCALE AS SHOWN

REVISIONS:

CONTRACT NUMBER
C1435

DRAWING NUMBER C5
SHEET 10 OF 31

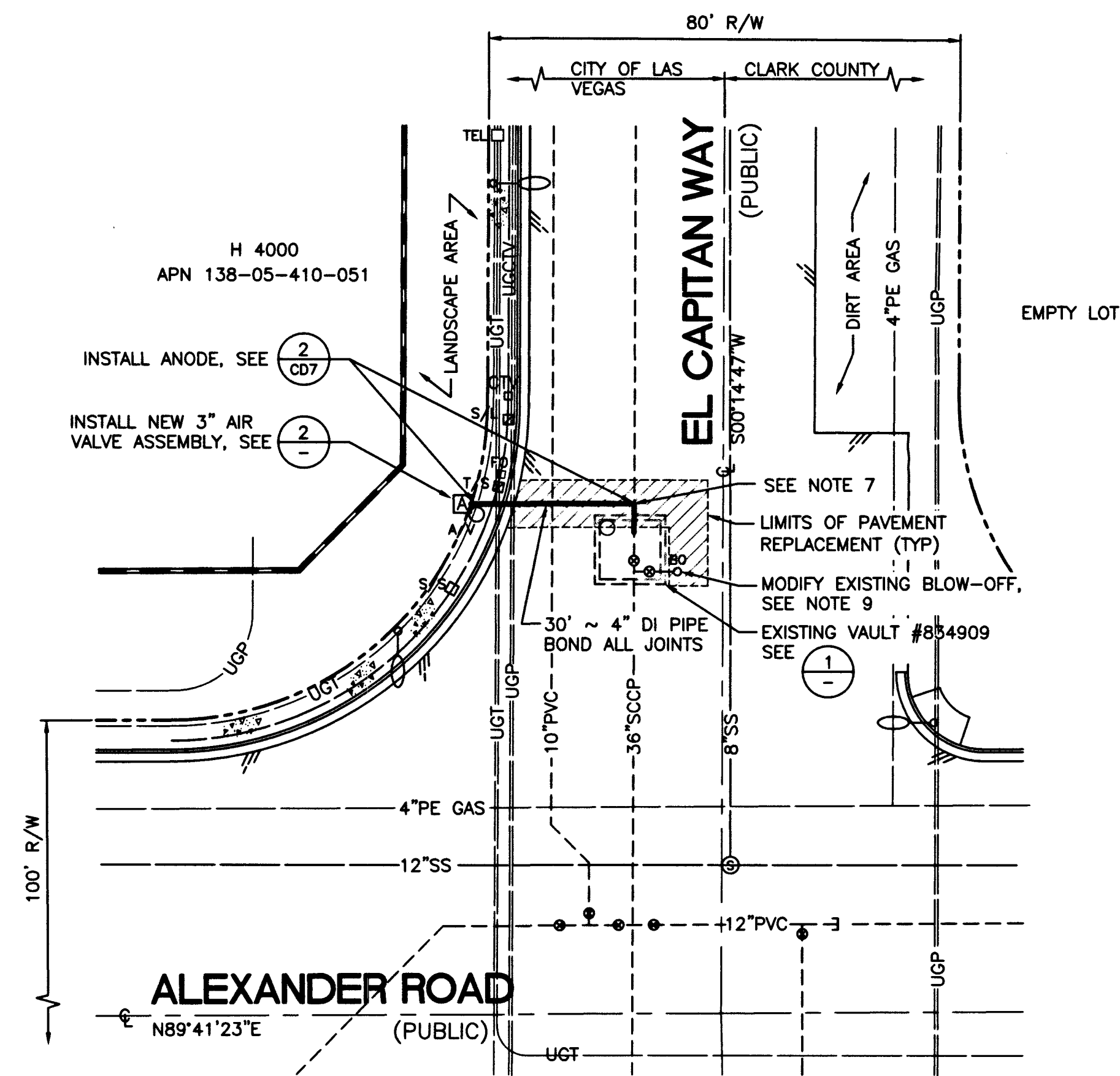
DATE
7/27/2015
7/30/2015

BY
CHRISTOPHER G. BLANK
JENNIFER FERDINAND

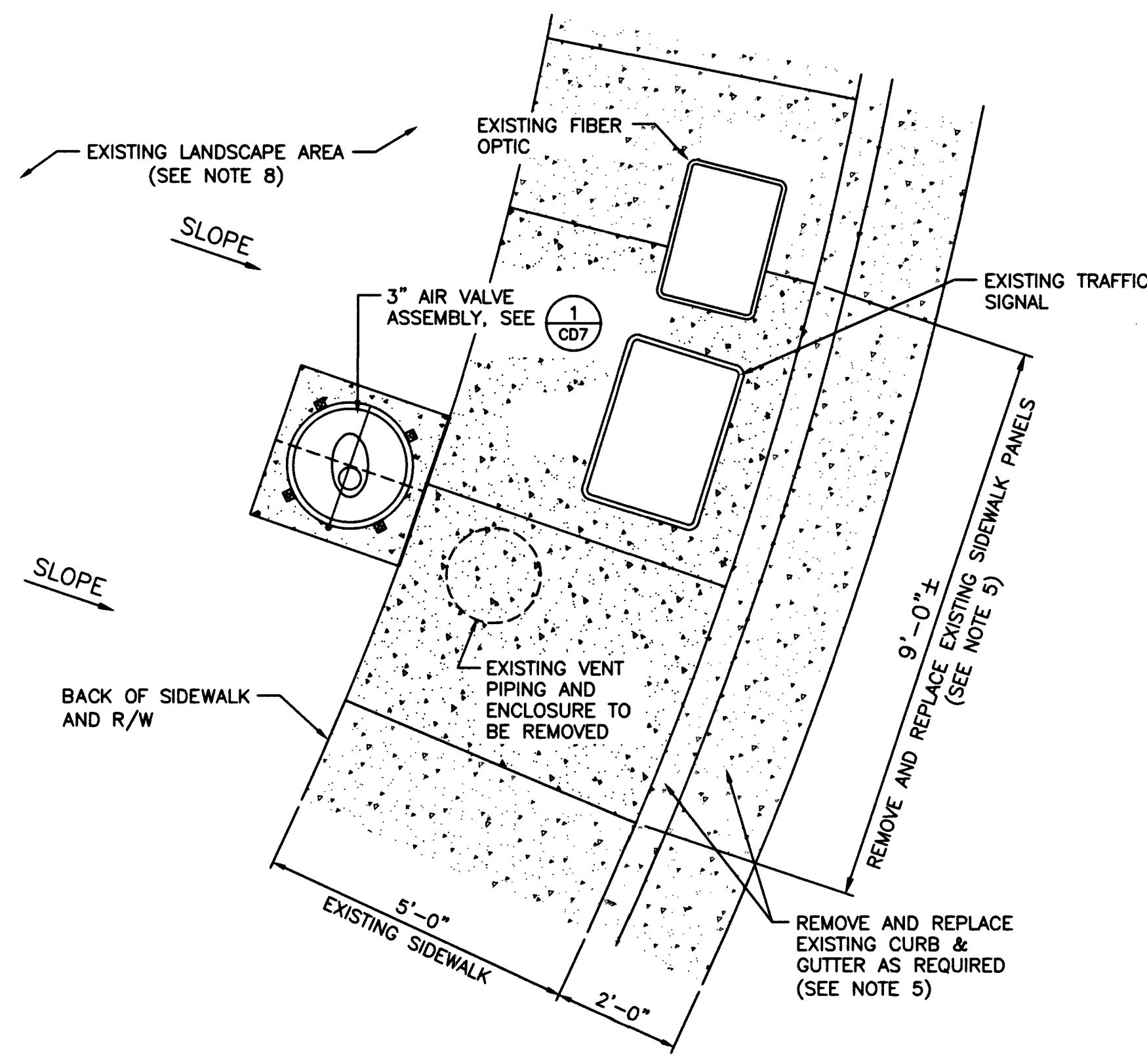
RECOMMENDED BY
CHRISTOPHER M. LUQUETTE

ACCEPTED BY
RYAN C. PEARSON

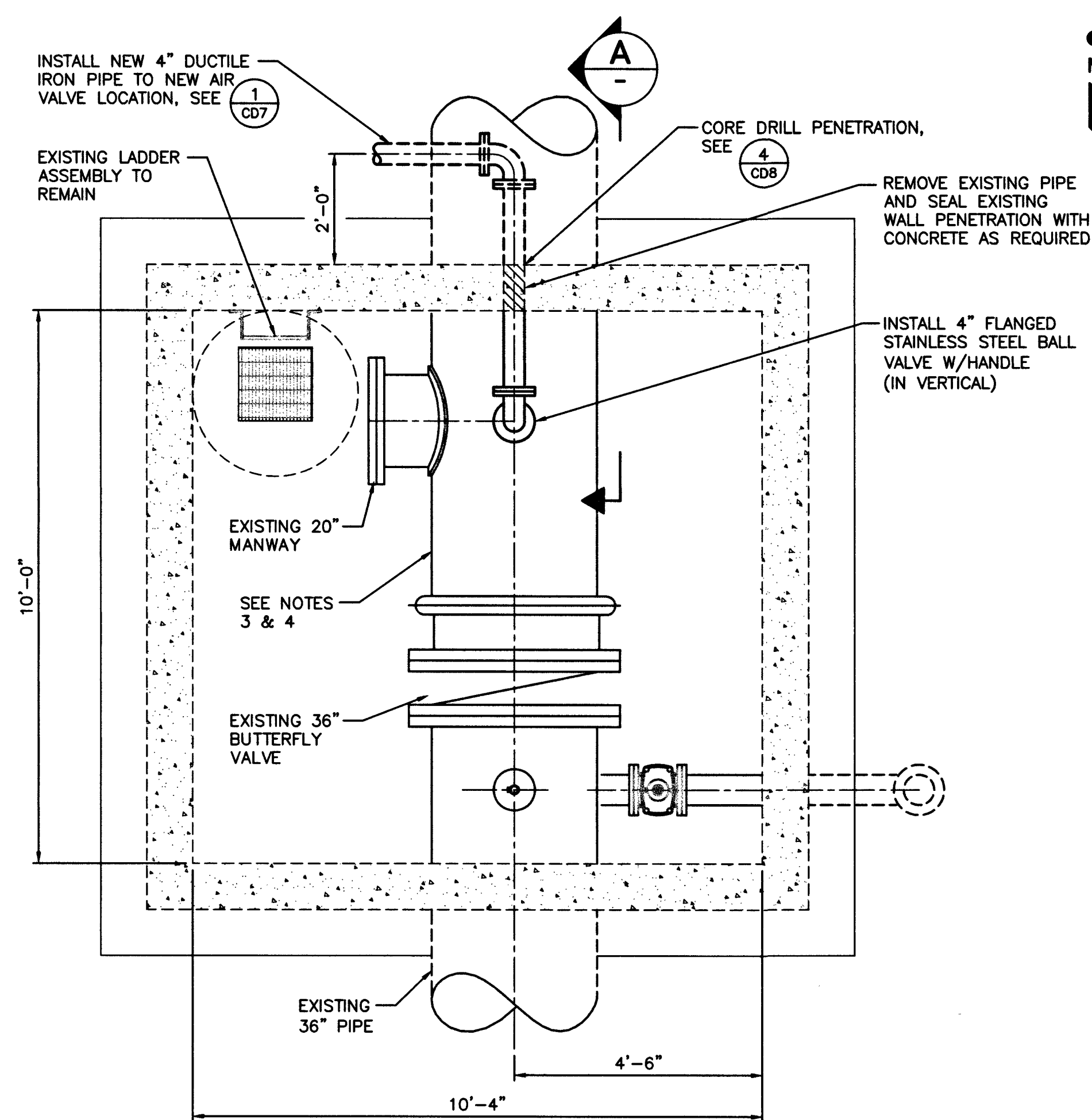
PROFESSIONAL ENGINEER STATE OF NEVADA
JENNIFER FERDINAND
Exp. 6/30/17
CIVIL
No. 14984



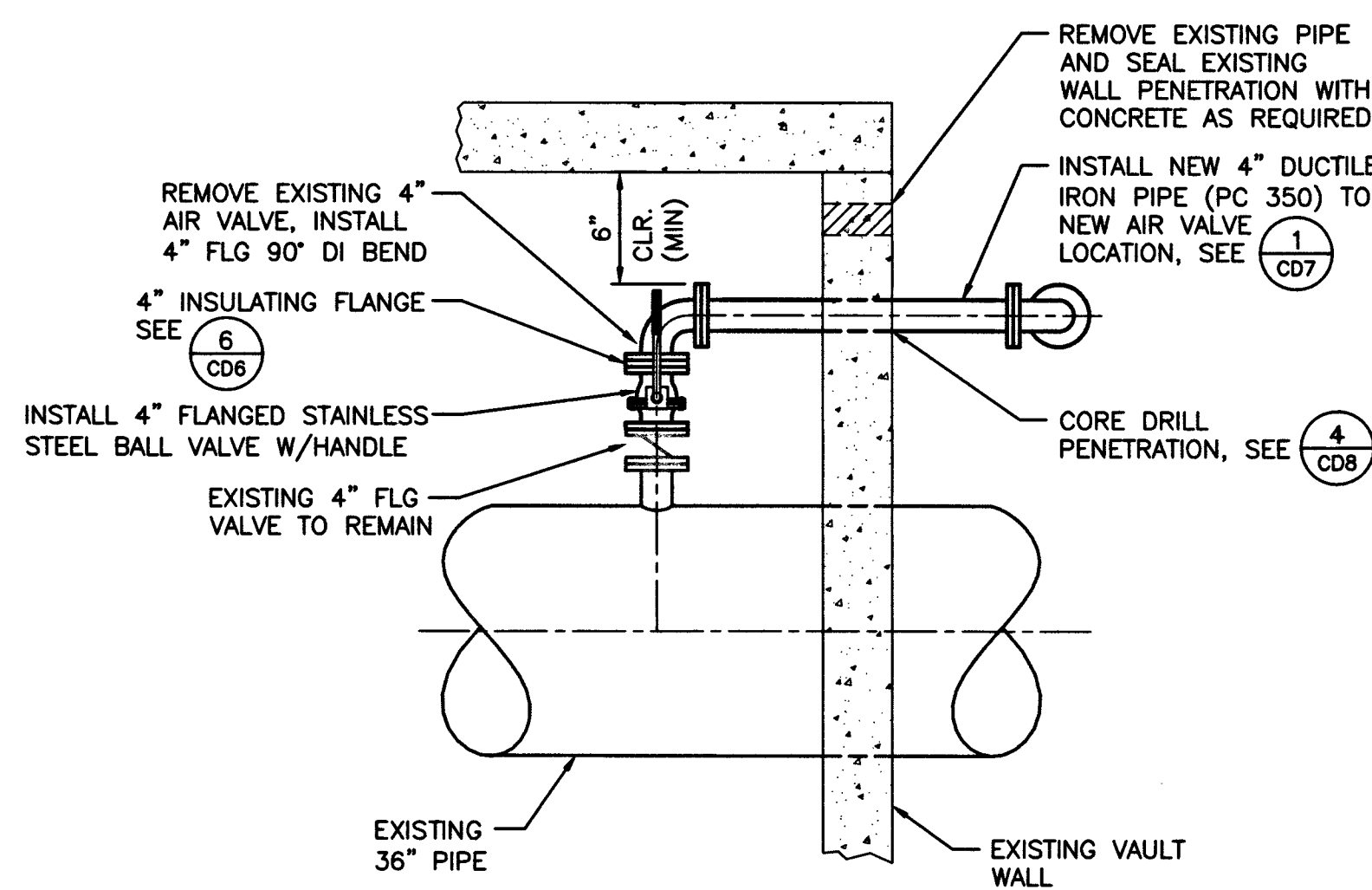
PLAN
SCALE: 1" = 20'



AIR VALVE LOCATION - DETAIL
SCALE: 1/2" = 1'-0"



VAULT #834909 - PLAN
SCALE: 1/2" = 1'-0"



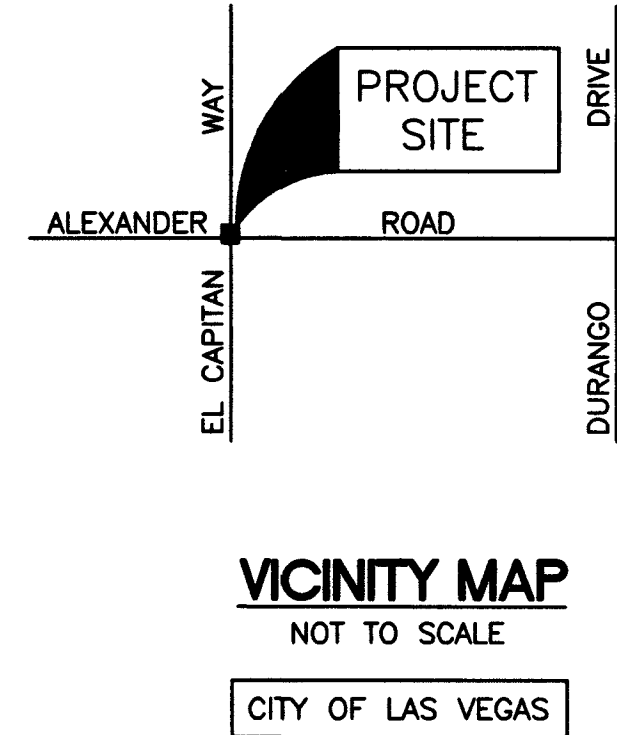
SECTION
SCALE: 1/2" = 1'-0"

INSTALLATION NOTES:

1. REMOVE AND DISPOSE OF EXISTING PIPING/EQUIPMENT AS INDICATED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
3. PRIOR TO ABRASIVE BLASTING, CONTRACTOR SHALL RETRIEVE A SAMPLE OF EXISTING PAINT AND HAVE SAMPLE TESTED BY A CERTIFIED LAB TO DETERMINE PRESENCE OF LEAD BASED PAINT. DISTRICT WILL PAY FOR ABATEMENT IF TEST IS POSITIVE.
4. ABRASIVE BLAST AND RE-COAT ALL EXISTING EXPOSED FERROUS METAL PIPE AND FITTINGS IN VAULT PER SPEC SEC. 09 96 00. NEW PIPING TO BE COATED PER SPEC SEC. 09 96 00.
5. REMOVE AND REPLACE EXISTING SIDEWALK AND CURB TO NEAREST WEAKENED PLANE JOINT AS REQUIRED.
6. ALL AIR VALVE PIPING TO BE RESTRAINED (TYP).
7. INSTALL 4"-90" DI BEND WITH CONCRETE THRUST BLOCK AND LOCATOR BALL.
8. CONTRACTOR TO SLOPE EXISTING LANDSCAPING TO BE FLUSH WITH CONCRETE PAD.
9. REMOVE TOP 2' OF EXISTING BLOW OFF PIPING AND ASSOCIATED COLLAR, BOXES, AND LIDS. RECONSTRUCT PER UDACS PLATE NO. 37.



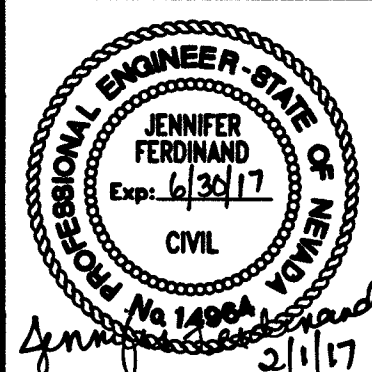
H#67687
CLV DWG # 565-503



MISCELLANEOUS VAULTS, RECONSTRUCTION
AND REPAIR, PHASE XX

VAULT #834909 - 4013 NORTH EL CAPITAN WAY

DRAWN BY: CHRISTOPHER BLANK
CHECKED BY: JENNIFER FERDINAND
RECOMMENDED BY:
ACCEPTED BY: CHRISTOPHER M. LUQUETTE
DATE: 9/08/2015
DATE: 9/10/2015

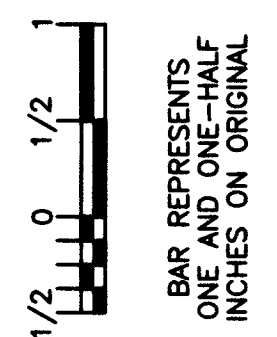


CONTRACT NUMBER

C1435

DRAWING NUMBER C6
SHEET 11 OF 31

VERIFY SCALE



**LAS VEGAS VALLEY
WATER DISTRICT**
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 878-3611



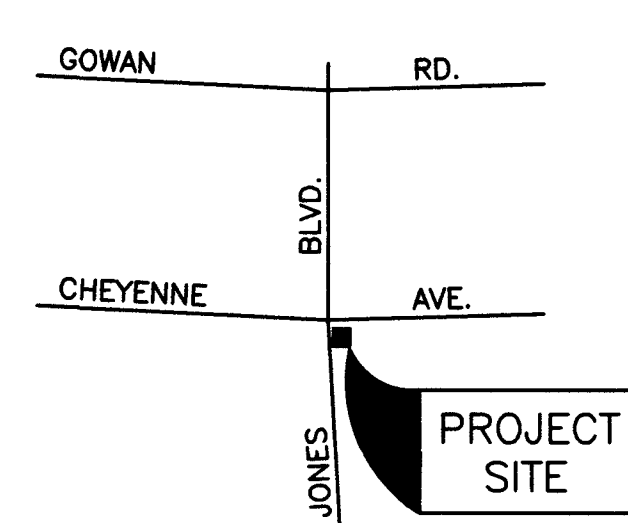
AIR VALVE LOCATION - DETAIL

SCALE: 1/2" = 1'-0"

NDOT STA REFERENCE:
20-2, 3383
PROJECT NO.
STP-0574 (002)
STP-0574 (003)
STP-0574 (004), SHT 7



SCALE: 1/2" = 1'-0"



VICINITY MAP

NOT TO SCALE

CITY OF LAS VEGAS

NDOT

VERIFY SCALE

BAR REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

**MISCELLANEOUS VAULTS, RECONSTRUCTION
AND REPAIR, PHASE XX**

VAULT #834395 - 3192 NORTH JONES BOULEVARD

SCALE
AS NOTED

DRAWN BY:
CHRISTOPHER BLANK
0 / 09 / 2015

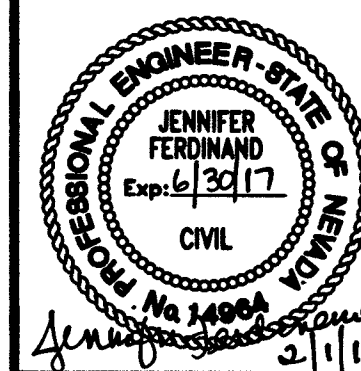
CHRISTOPHER BLANK	9/08/2015
CHECKED BY: JENNIFER FERDINAND	9/10/2015

JENNIFER FERDINAND 9/10/2013

RECOMMENDED BY:

CHRISTOPHER M. LUQUETTE DATE

ACCEPTED BY:	DATE
RYAN A. DEARSON	



CONTRACT NUMBER

1

LC1425

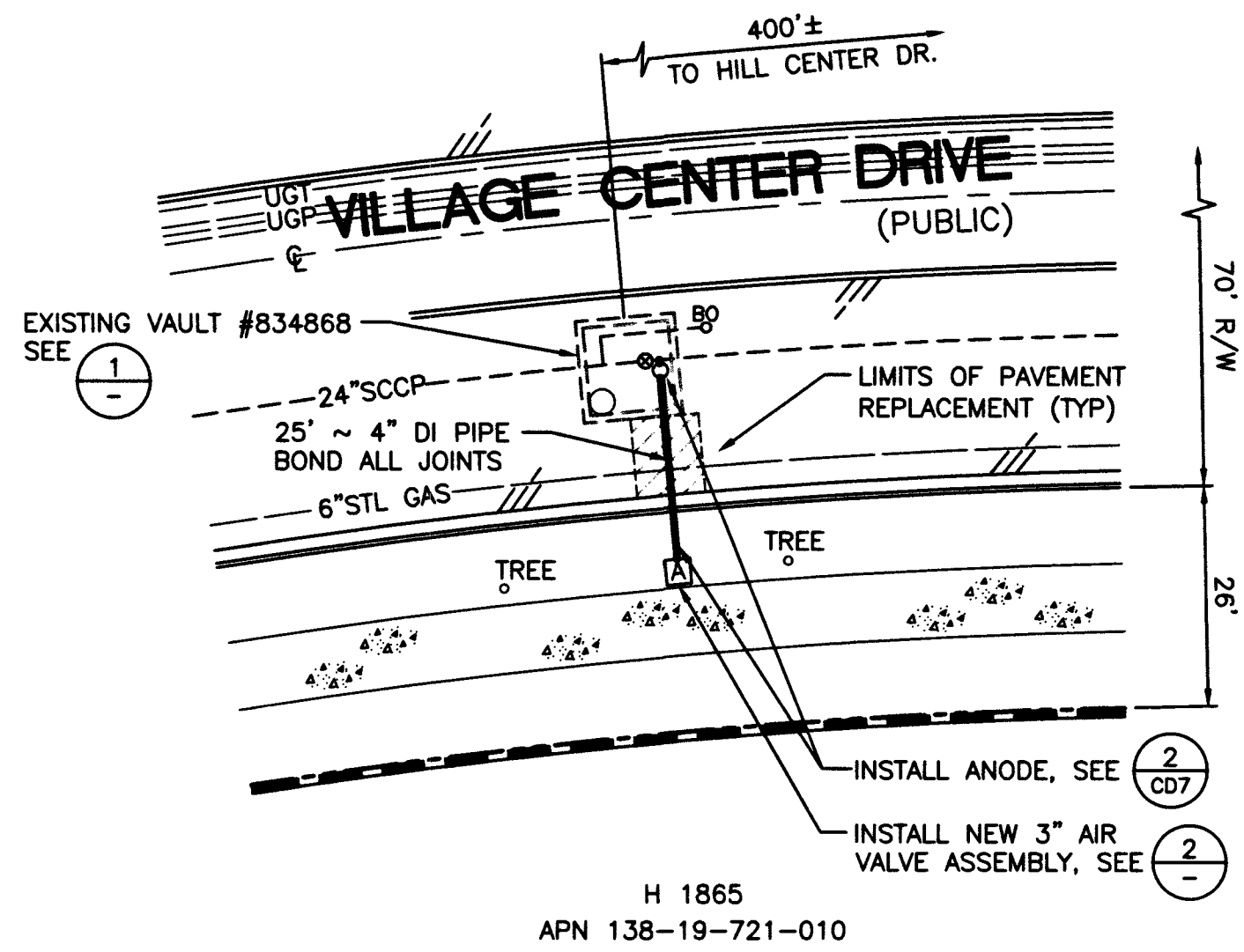
10453

DRAWING NUMBER C7

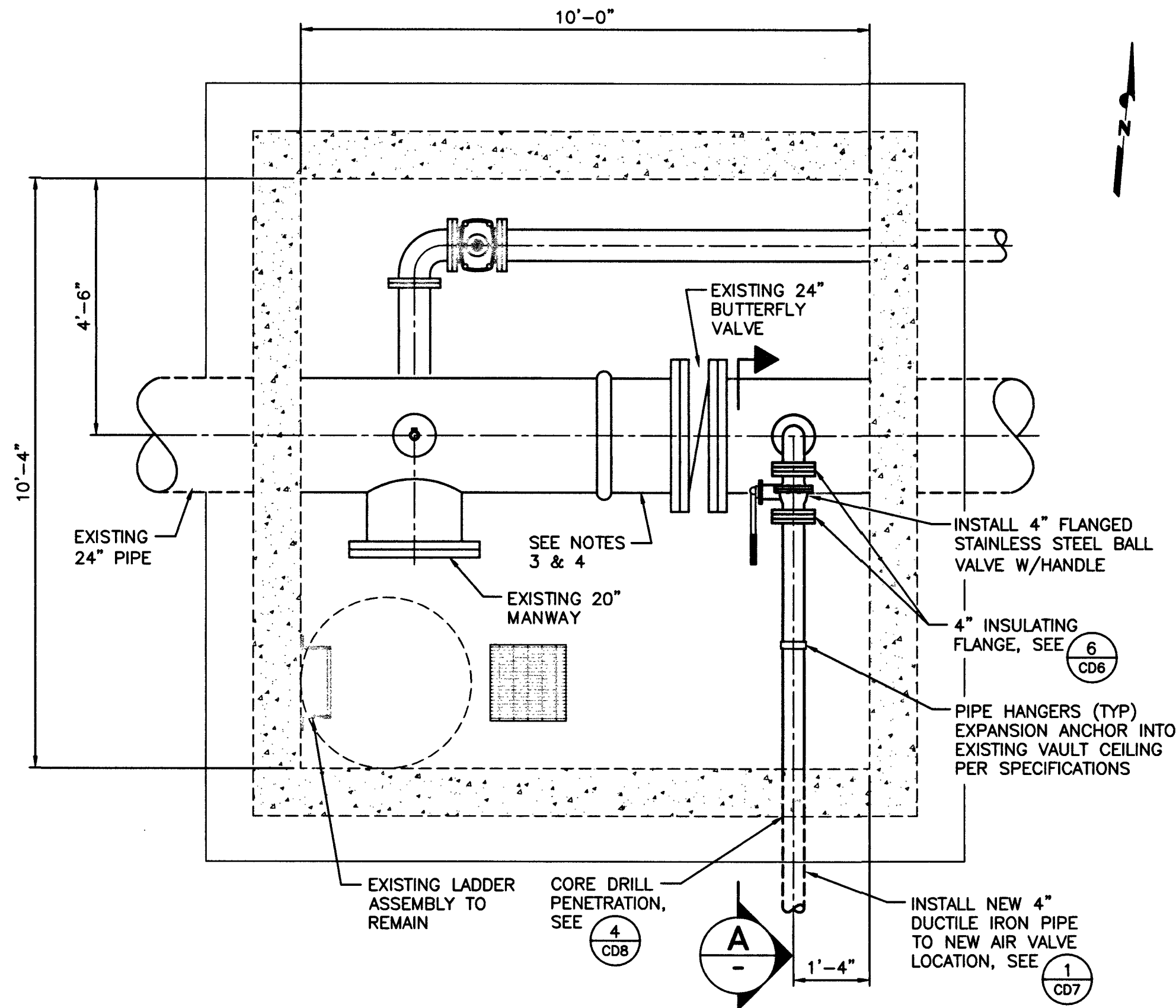
DRAWING NUMBER C7
SHEET 12 OF 31

**Call before you
OVERHEAD**
1-702-227-2929

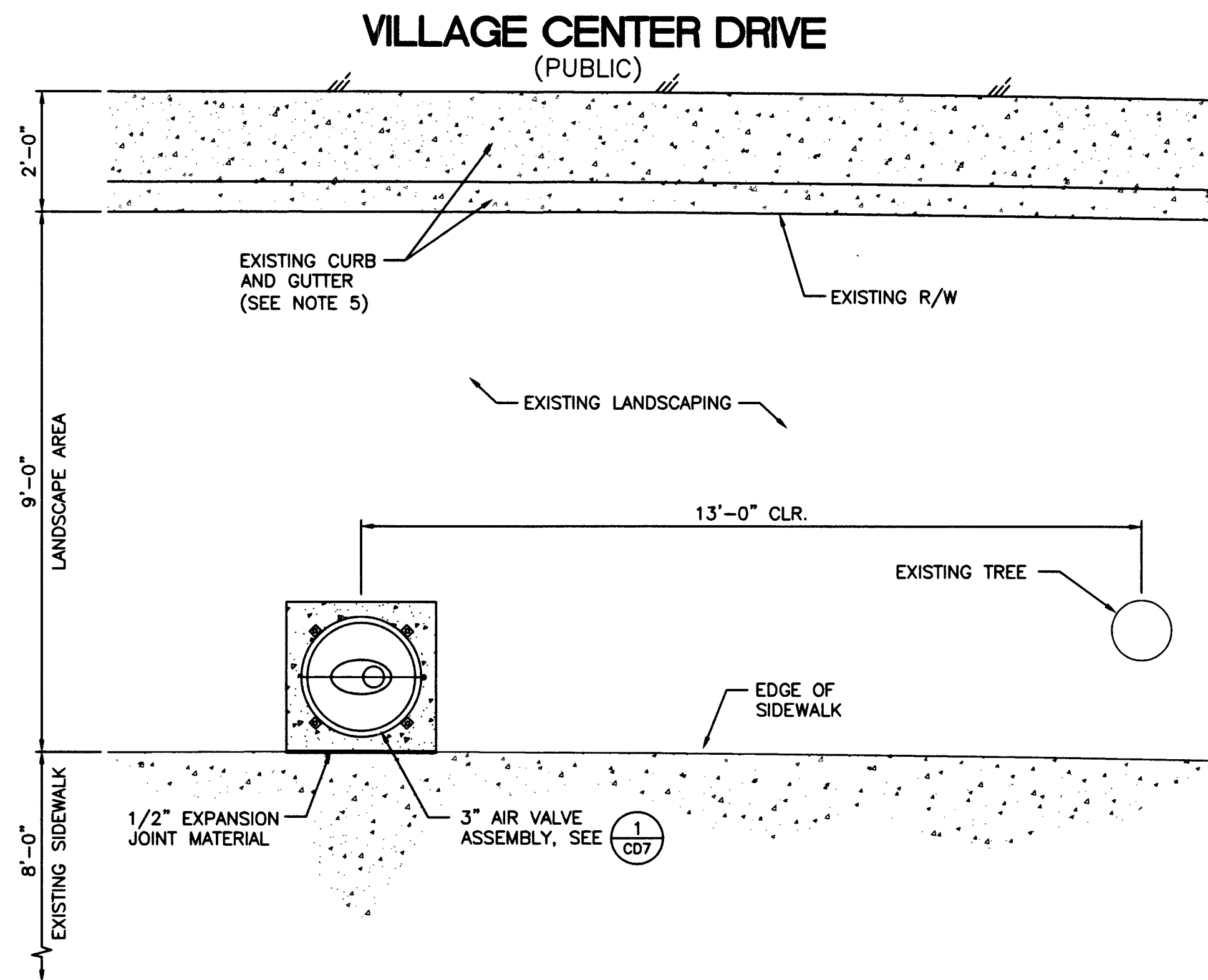
14#67687 565-503
CLV DWG #



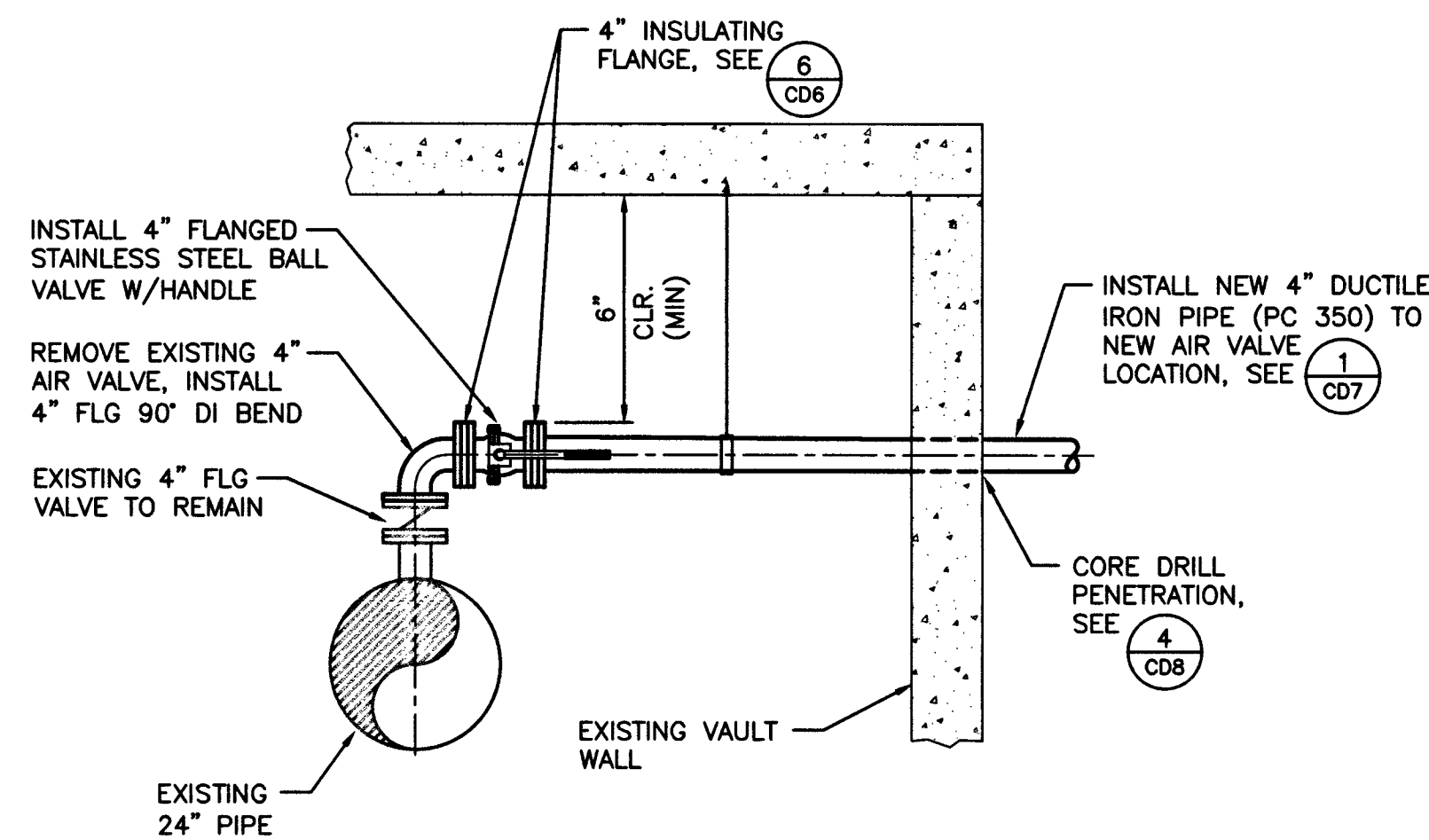
PLAN
SCALE: 1" = 20'



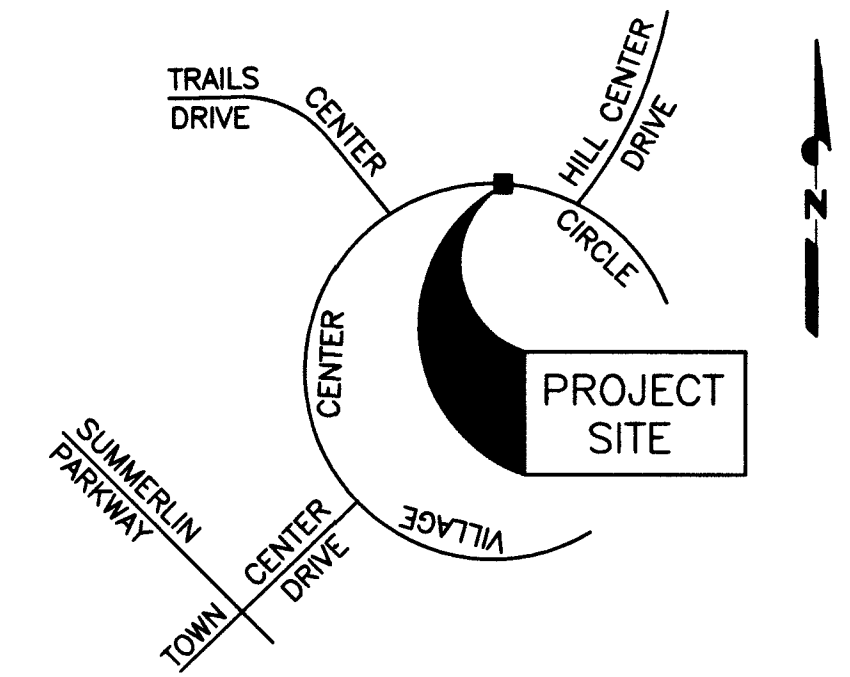
VAULT #834868 - PLAN
SCALE: 1/2" = 1'-0"



AIR VALVE LOCATION - DETAIL
SCALE: 1/2" = 1'-0"



SECTION
SCALE: 1/2" = 1'-0"



VICINITY MAP
NOT TO SCALE
CITY OF LAS VEGAS

CAUTION TO CONTRACTOR

EXISTING GAS VALVES ARE NOT TO BE PAVED OVER DURING CONSTRUCTION. NOTIFY SOUTHWEST GAS IF VALVES NEED TO BE RAISED.

- INSTALLATION NOTES:**
1. REMOVE AND DISPOSE OF EXISTING PIPING/EQUIPMENT AS INDICATED.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
 3. PRIOR TO ABRASIVE BLASTING, CONTRACTOR SHALL RETRIEVE A SAMPLE OF EXISTING PAINT AND HAVE SAMPLE TESTED BY A CERTIFIED LAB TO DETERMINE PRESENCE OF LEAD BASED PAINT. DISTRICT WILL PAY FOR ABATEMENT IF TEST IS POSITIVE.
 4. ABRASIVE BLAST AND RE-COAT ALL EXISTING EXPOSED FERROUS METAL PIPE AND FITTINGS IN VAULT PER SPEC SEC. 09 96 00. NEW PIPING TO BE COATED PER SPEC SEC. 09 96 00.
 5. REMOVE AND REPLACE EXISTING CURB TO NEAREST WEAKENED PLANE JOINT AS REQUIRED.
 6. ALL AIR VALVE PIPING TO BE RESTRAINED (TYP).

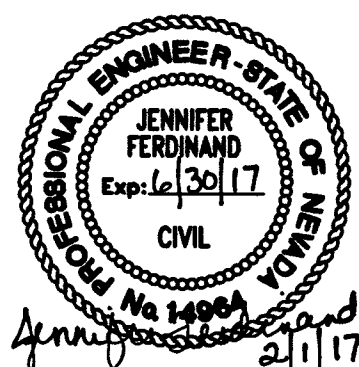
**LAS VEGAS VALLEY
WATER DISTRICT**
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 775-3911

VERIFY SCALE
1/2" = 0' 1/2"
BAS. REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

**MISCELLANEOUS VAULTS, RECONSTRUCTION
AND REPAIR, PHASE XX**

VAULT #834868 - 1875 VILLAGE CENTER CIRCLE

DRAWN BY: JENNIFER FERDINAND
CHECKED BY: JENNIFER FERDINAND
RECOMMENDED BY: CHRISTOPHER M. LUQUETTE
ACCEPTED BY: RYAN C. PEARSON
DATE: 9/08/2015
DATE: 9/10/2015
DATE: _____
DATE: _____

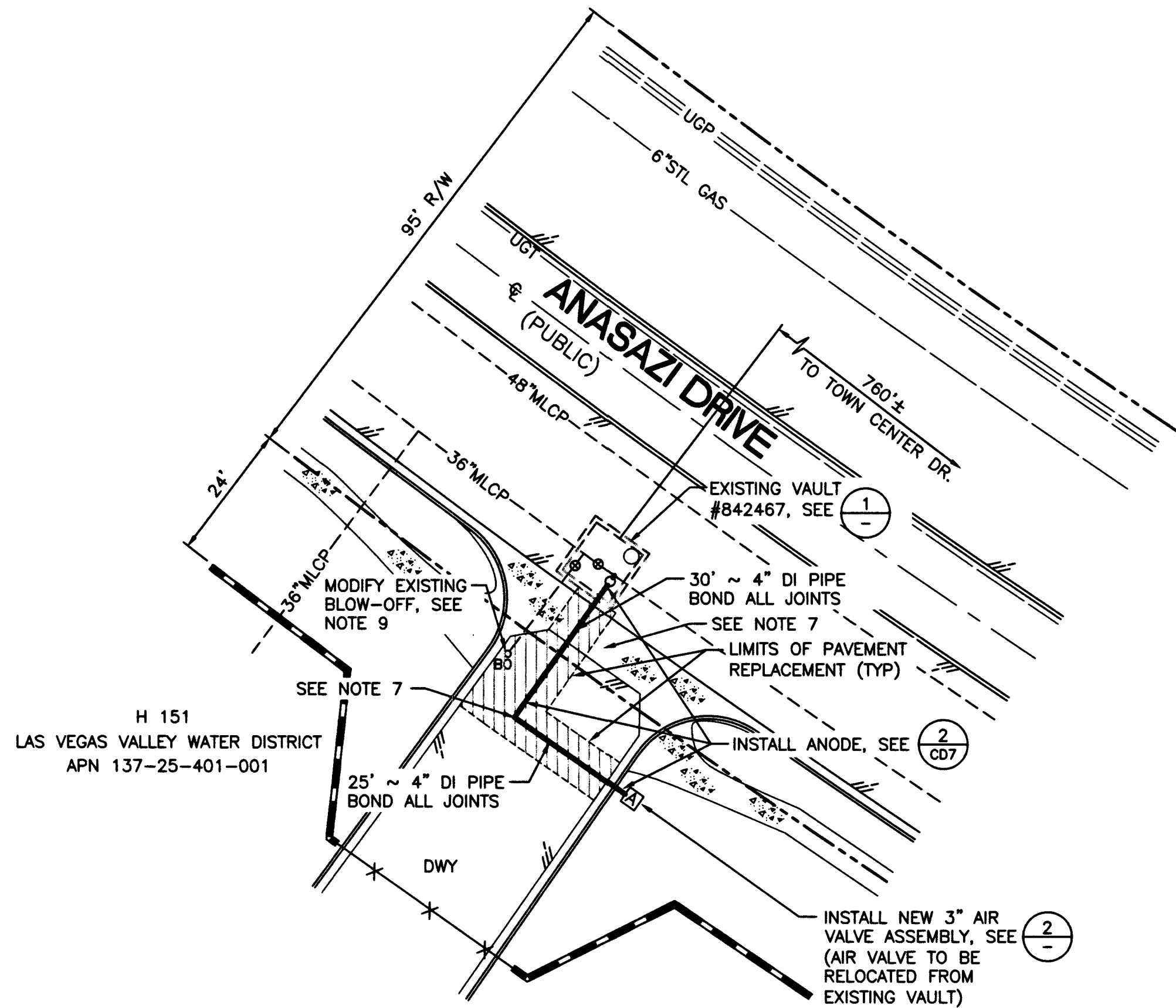


CONTRACT NUMBER

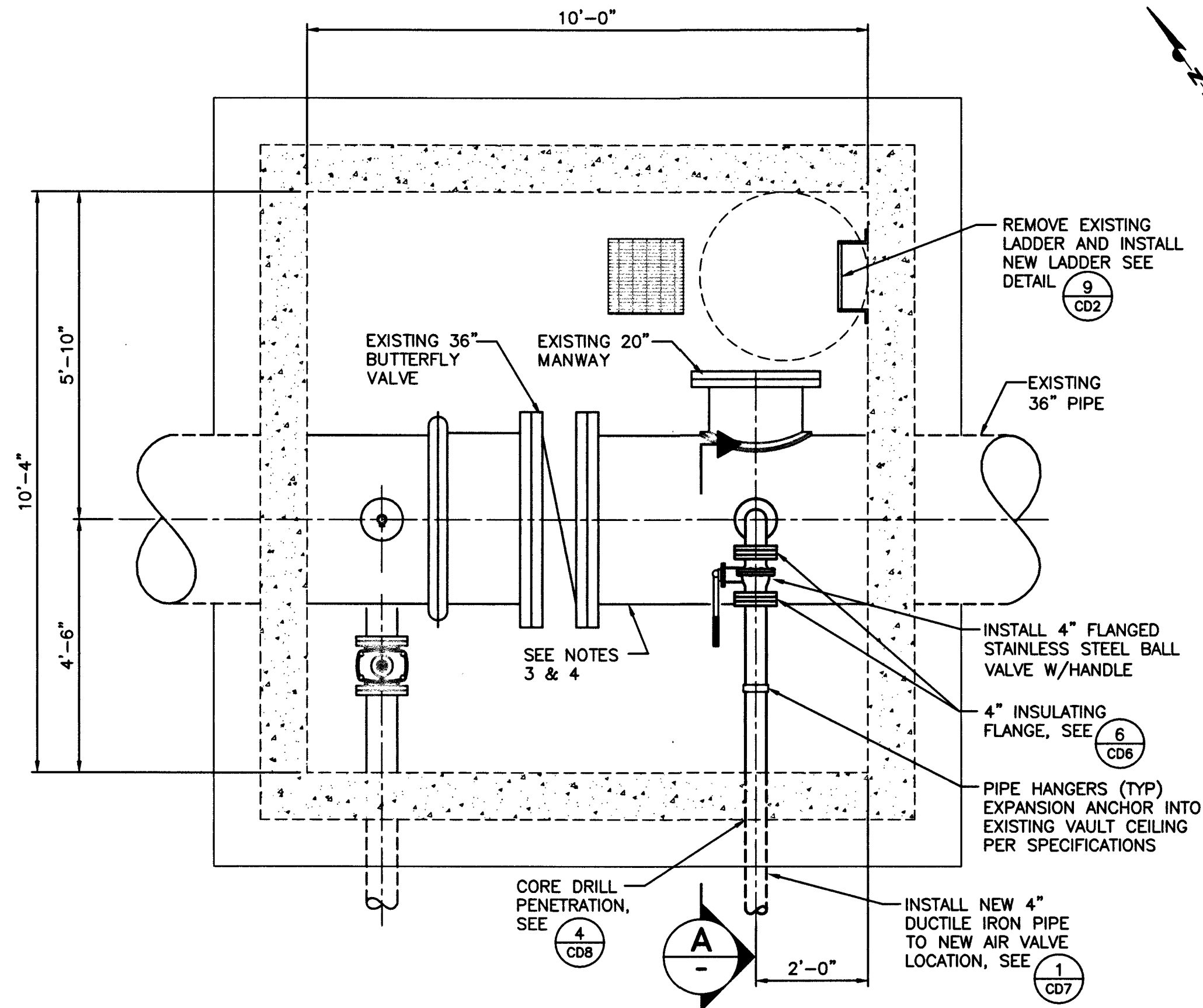
C1435
DRAWING NUMBER C8
SHEET 13 OF 31

Call before you Dig
1-702-227-2929
811

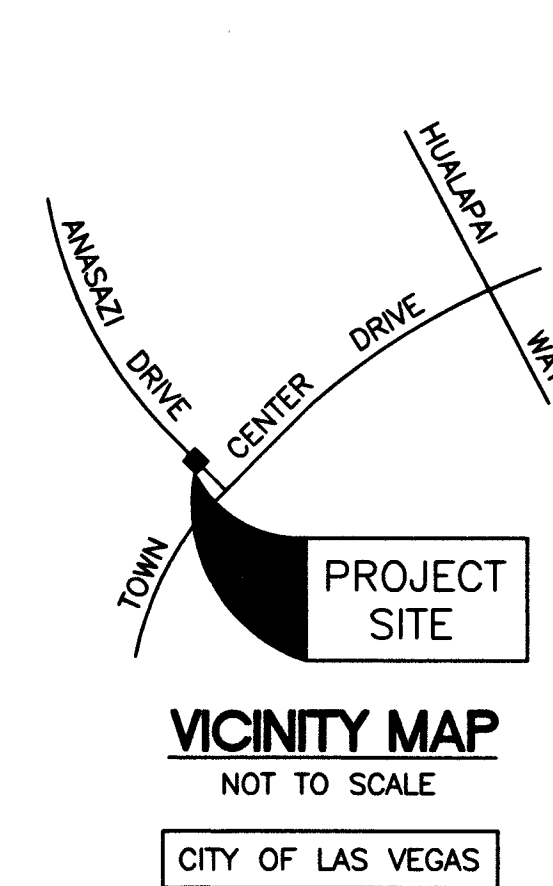
CLV DWG # 565-503



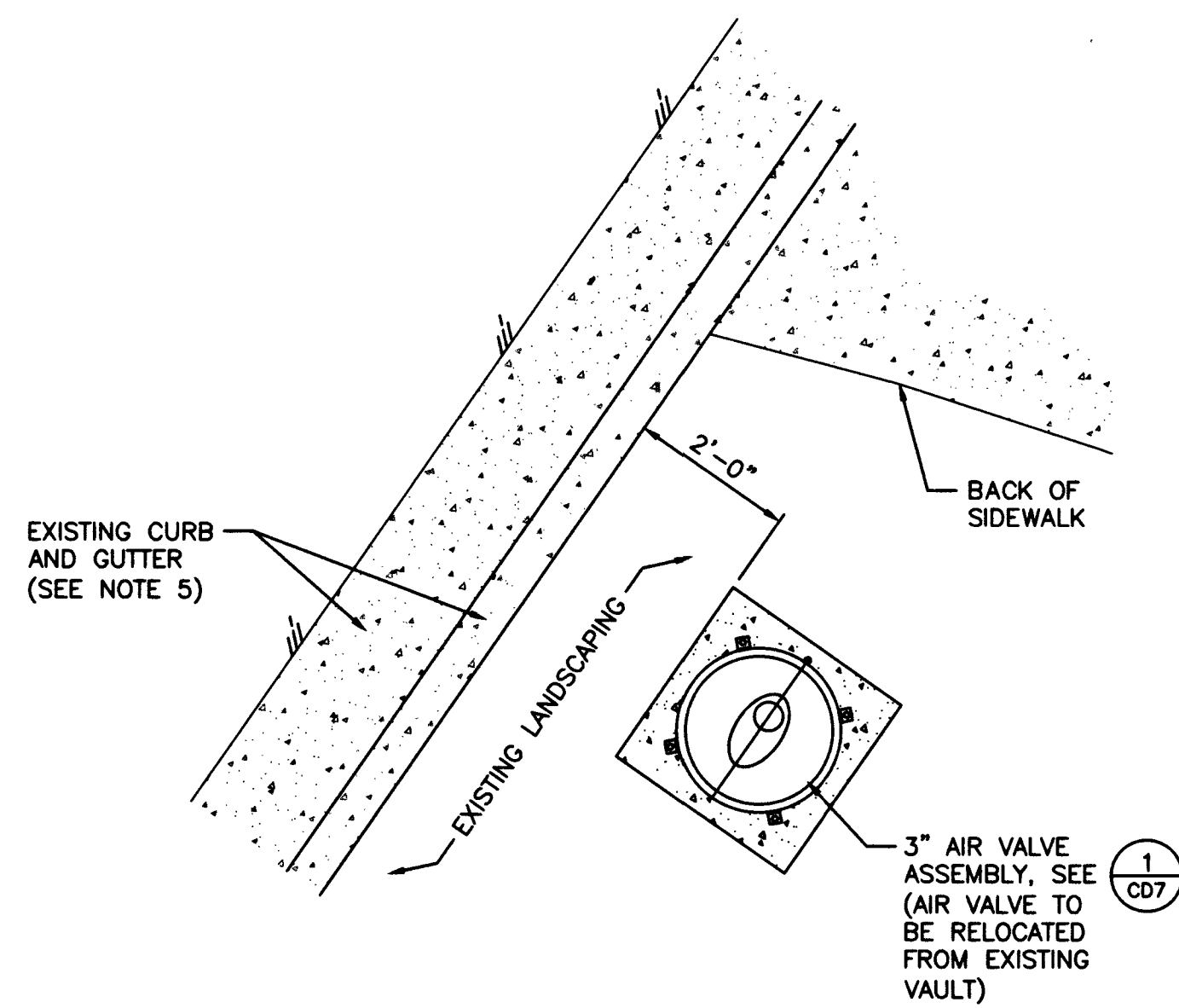
PLAN
SCALE: 1" = 20'



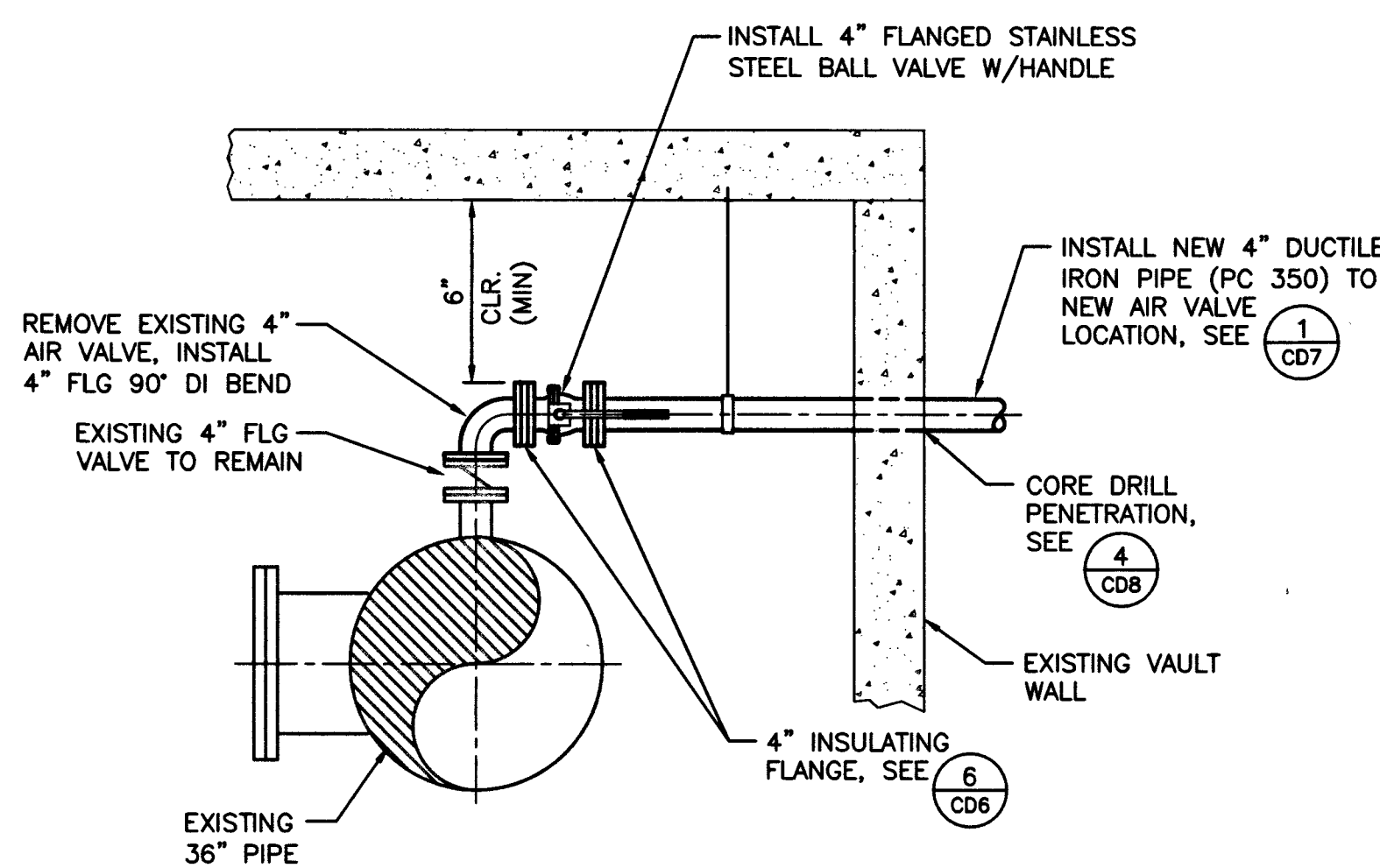
VAULT #842467 - PLAN
SCALE: 1/2" = 1'-0"



CAUTION TO CONTRACTOR
EXISTING GAS VALVES ARE NOT TO BE PAVED OVER DURING CONSTRUCTION. NOTIFY SOUTHWEST GAS IF VALVES NEED TO BE RAISED.



AIR VALVE LOCATION - DETAIL
SCALE: 1/2" = 1'-0"



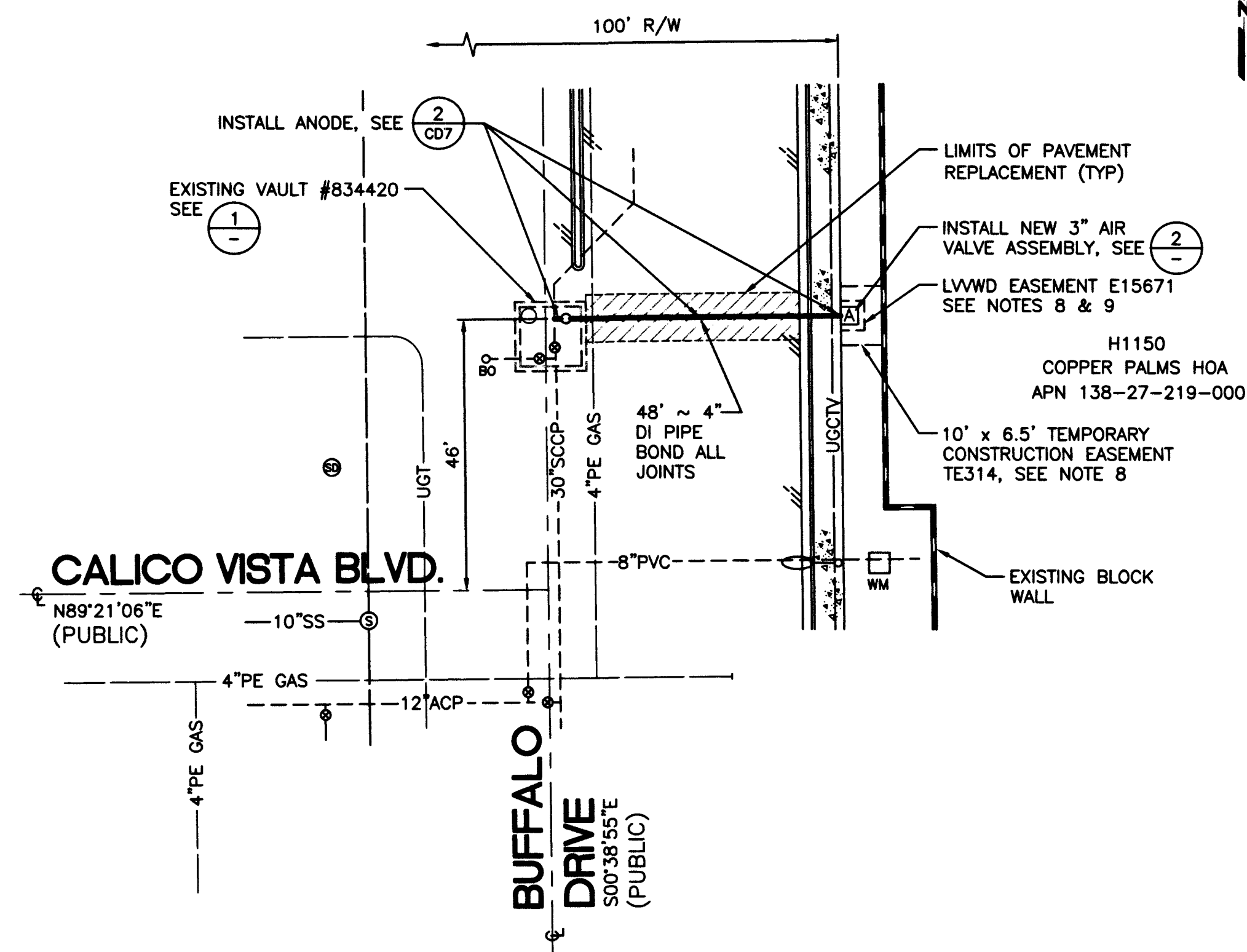
SECTION A
SCALE: 1/2" = 1'-0"

- INSTALLATION NOTES:**
1. REMOVE AND DISPOSE OF EXISTING PIPING/EQUIPMENT AS INDICATED.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
 3. PRIOR TO ABRASIVE BLASTING, CONTRACTOR SHALL RETRIEVE A SAMPLE OF EXISTING PAINT AND HAVE SAMPLE TESTED BY A CERTIFIED LAB TO DETERMINE PRESENCE OF LEAD BASED PAINT. DISTRICT WILL PAY FOR ABATEMENT IF TEST IS POSITIVE.
 4. ABRASIVE BLAST AND RE-COAT ALL EXISTING EXPOSED FERROUS METAL PIPE AND FITTINGS IN VAULT PER SPEC SEC. 09 96 00. NEW PIPING TO BE COATED PER SPEC SEC. 09 96 00.
 5. REMOVE AND REPLACE EXISTING SIDEWALK AND CURB TO NEAREST WEAKENED PLANE JOINT AS REQUIRED.
 6. ALL AIR VALVE PIPING TO BE RESTRAINED (TYP).
 7. INSTALL 4"-90" DI BEND WITH CONCRETE THRUST BLOCK AND LOCATOR BALL.
 8. CONTRACTOR TO REMOVE AND REPLACE EXISTING VALLEY GUTTER.
 9. REMOVE TOP 2' OF EXISTING BLOW OFF PIPING AND ASSOCIATED COLLAR, BOXES, AND LIDS. RECONSTRUCT PER UDACS PLATE NO. 37.

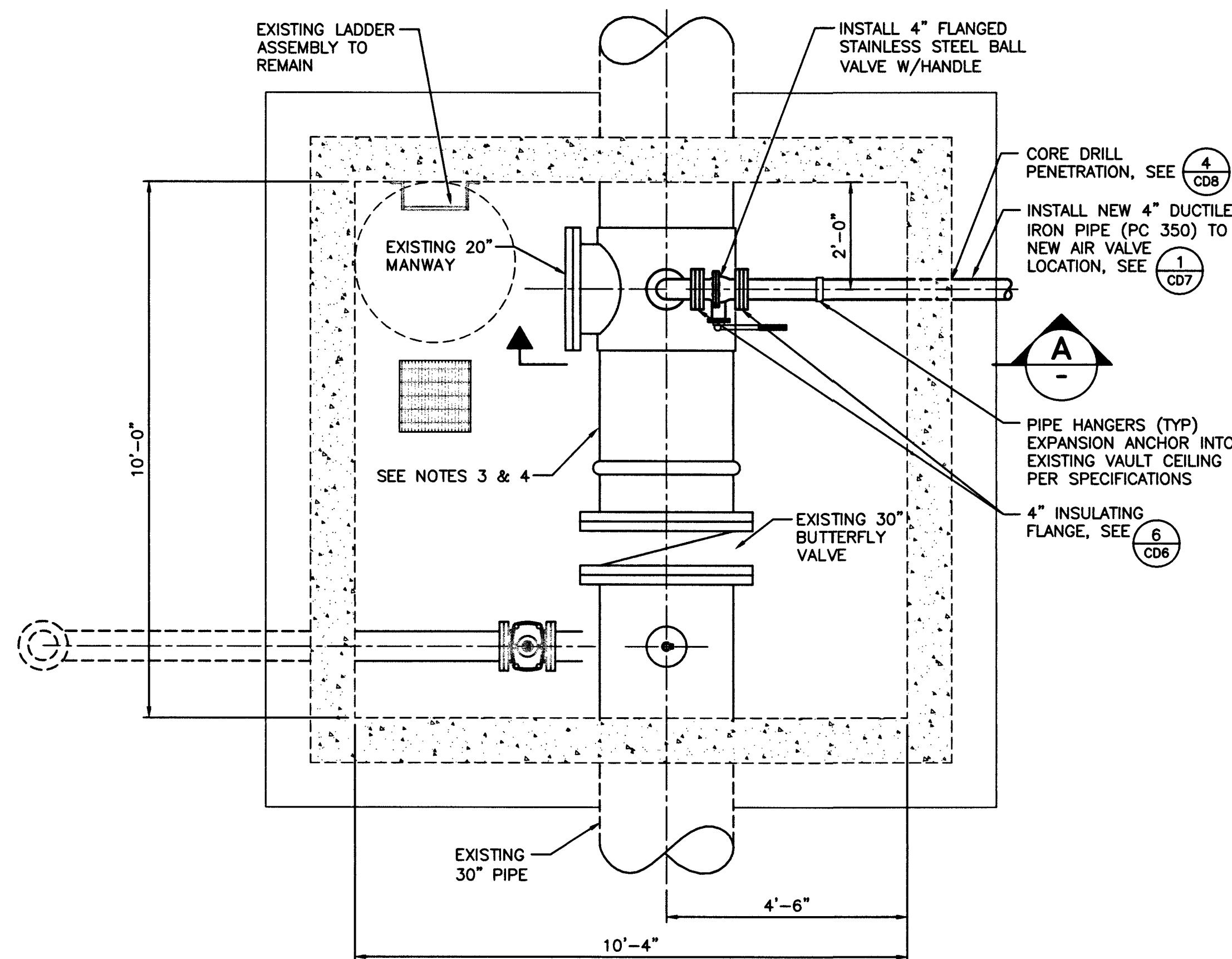


CLV DWG # 565-503

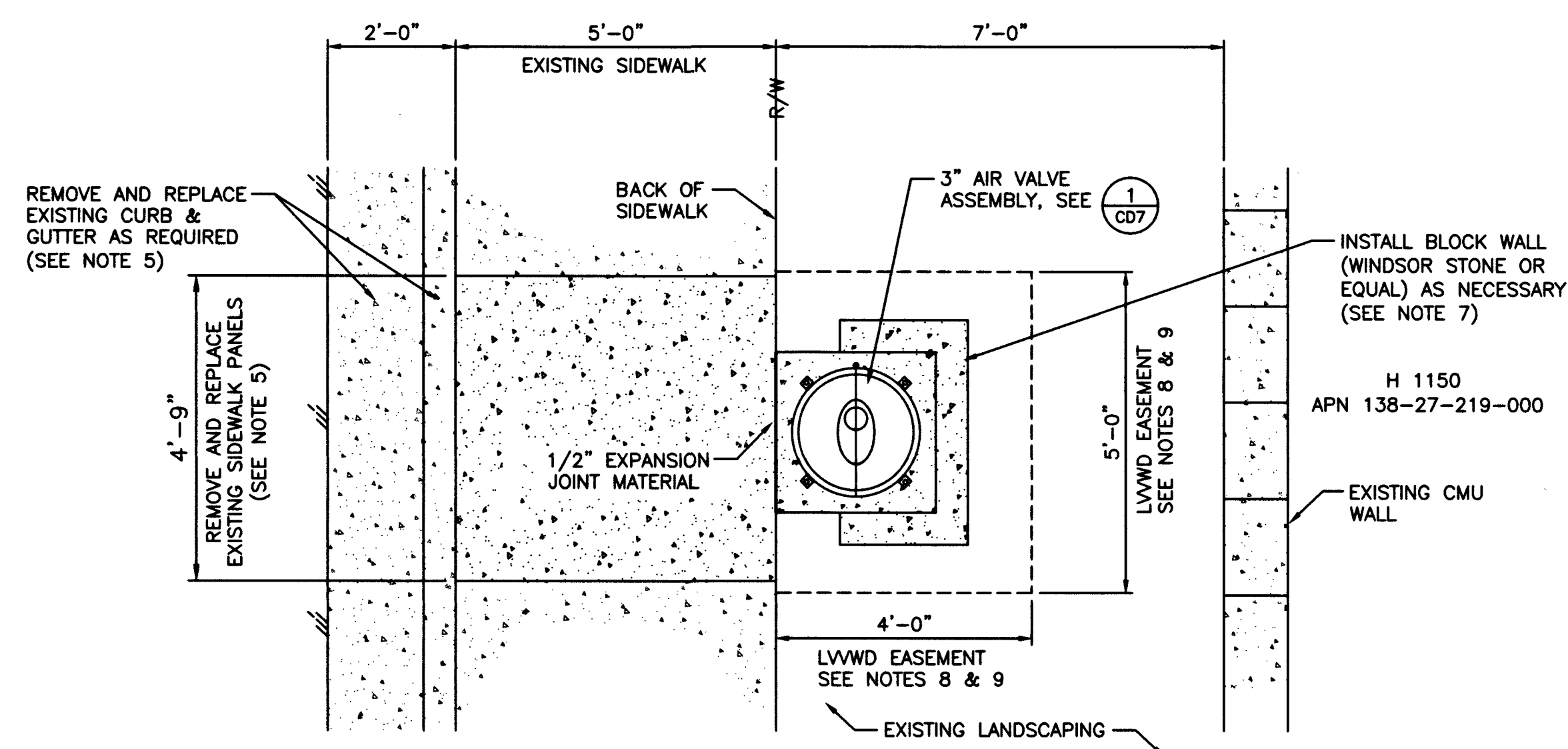
LAS VEGAS VALLEY WATER DISTRICT 1001 S. VALLEY VIEW BOULEVARD LAS VEGAS, NEVADA 89153 (702) 878-3011	
VERIFY SCALE 1/2" = 0' 1/2" THIS REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL	
MISCELLANEOUS VAULTS, RECONSTRUCTION AND REPAIR, PHASE XX	
VAULT #842467 - 151 NORTH ANASAZI DRIVE	
DRAWN BY: CHRISTOPHER BLANK CHECKED BY: JENNIFER FERDINAND RECOMMENDED BY: CHRISTOPHER M. LUQUETTE ACCEPTED BY: RYAN C. PEARSON	DATE: 9/08/2015 DATE: 9/10/2015 DATE: _____ DATE: _____
CONTRACT NUMBER C1435	
DRAWING NUMBER C9 SHEET 14 OF 31	



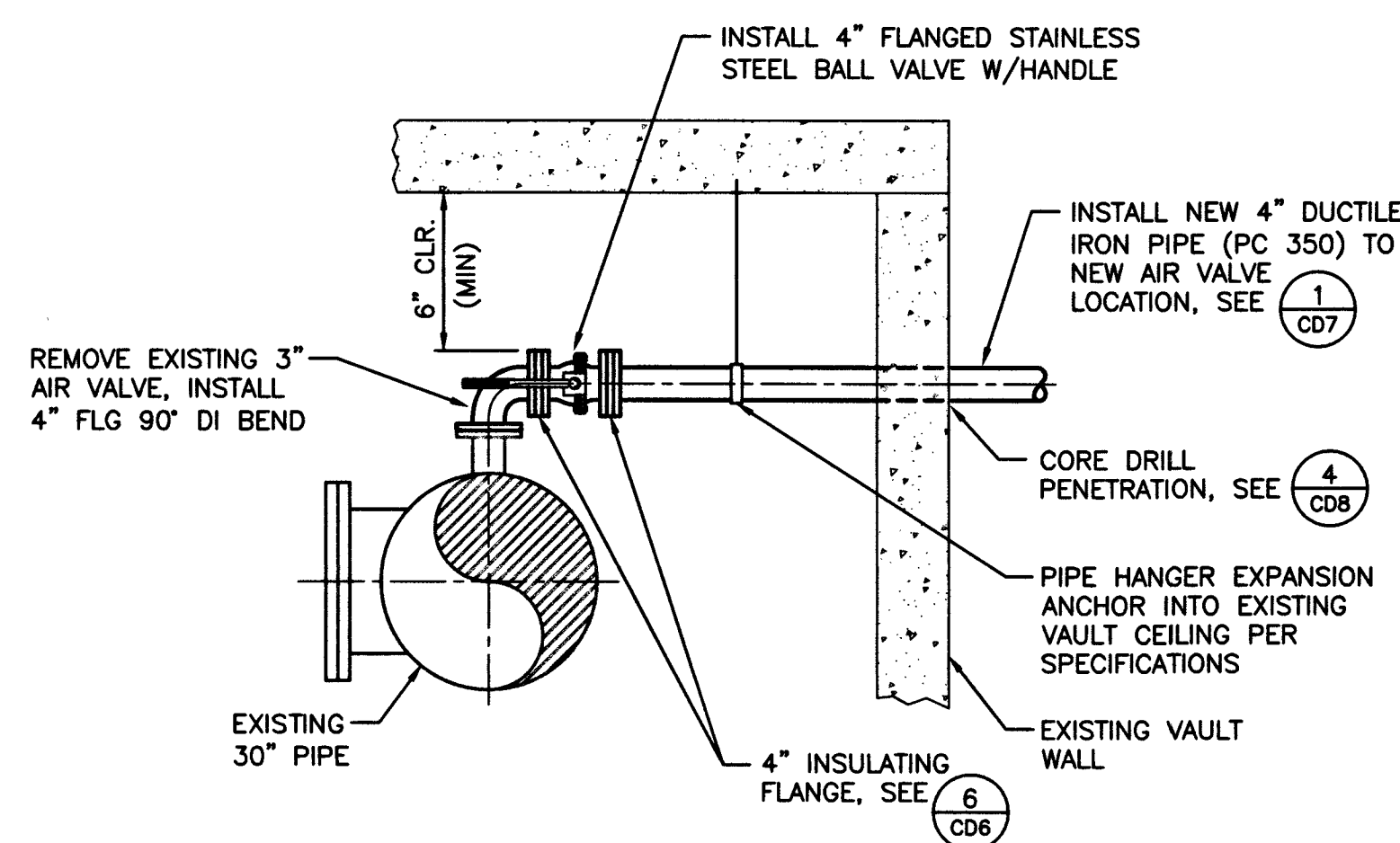
PLAN
SCALE: 1" = 20'



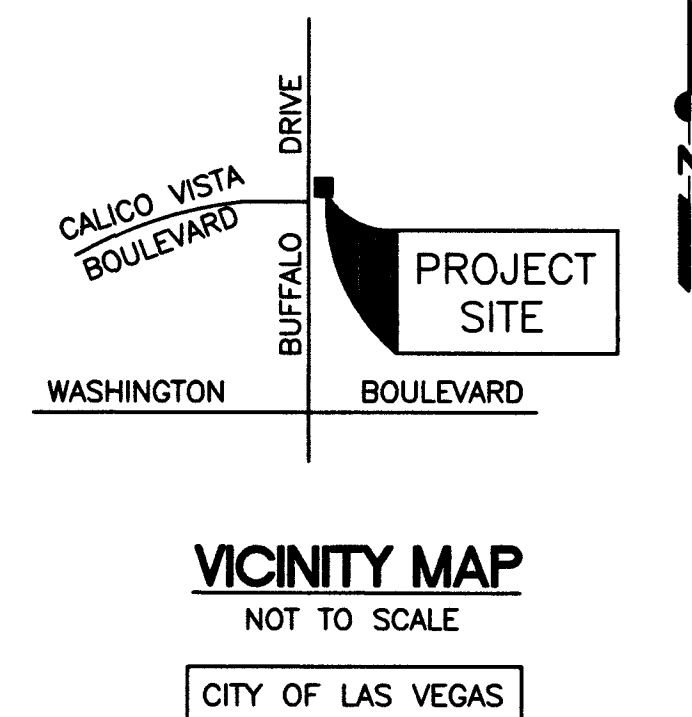
VAULT #834420 - PLAN
SCALE: 1/2" = 1'-0"



AIR VALVE LOCATION - DETAIL
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 1/2" = 1'-0"



- INSTALLATION NOTES:**
1. REMOVE AND DISPOSE OF EXISTING PIPING/EQUIPMENT AS INDICATED.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING AND IRRIGATION FACILITIES, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
 3. PRIOR TO ABRASIVE BLASTING, CONTRACTOR SHALL RETRIEVE A SAMPLE OF EXISTING PAINT AND HAVE SAMPLE TESTED BY A CERTIFIED LAB TO DETERMINE PRESENCE OF LEAD BASED PAINT. DISTRICT WILL PAY FOR ABATEMENT IF TEST IS POSITIVE.
 4. ABRASIVE BLAST AND RE-COAT ALL EXISTING EXPOSED FERROUS METAL PIPE AND FITTINGS IN VAULT PER SPEC SEC. 09 96 00. NEW PIPING TO BE COATED PER SPEC SEC. 09 96 00.
 5. REMOVE AND REPLACE EXISTING SIDEWALK AND CURB TO NEAREST WEAKENED PLANE JOINT AS REQUIRED.
 6. ALL AIR VALVE PIPING TO BE RESTRAINED (TYP).
 7. INSTALL NEW WALL (MAXIMUM 3' IN HEIGHT) AROUND 3" AIR VALVE ASSEMBLY ENCLOSURE PAD. TOP OF WALL TO BE A MINIMUM OF 2" ABOVE ADJACENT GRADE.
 8. SEE SPEC SECTION 01 14 23, FOR LEGAL DESCRIPTIONS OF TEMPORARY CONSTRUCTION AND LVWD EASEMENT.
 9. CONTRACTOR TO HAVE NEVADA LICENSED PROFESSIONAL LAND SURVEYOR LOCATE LVWD EASEMENT PRIOR TO CONSTRUCTION.



14-67687 565-503

LAS VEGAS VALLEY WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 875-3811

VERIFY SCALE
1/2" = 0' 1/2"
BARS REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL

MISCELLANEOUS VAULTS, RECONSTRUCTION AND REPAIR, PHASE XX

VAULT #834420 - 1110 NORTH BUFFALO DRIVE

DRAWN BY: JENNIFER BLANK
CHECKED BY: JENNIFER FERDINAND
RECOMMENDED BY: CHRISTOPHER M. LUQUETTE
ACCEPTED BY: RYAN C. PEARSON

DATE: 08/23/2015
DATE: 08/24/2015
DATE: _____
DATE: _____

PROFESSIONAL ENGINEER STATE OF NEVADA
JENNIFER FERDINAND
Exp. 12/31/17
CIVIL
No. 14084

CONTRACT NUMBER
C1435

DRAWING NUMBER C10
SHEET 15 OF 31

