

CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 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 RESEARCHER OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE. TO SAME, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP 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 RAMP SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY TERRACON, PROJECT NO 64185122, MARCH 28, 2019, APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS, ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
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 MDOT 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 EDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 06/04/2018

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 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 UNDER THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED 04/15/2010



LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES

LVVWD PROJECT NO. 136491

1. NO WORK SHALL BEGIN UNTIL THE PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WAY PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN AND SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (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 SHUT DOWN. 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 MATERIALS 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 UNDERGROUND AREAS SHALL 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'S JURISDICTION. DECORATIVE SURFACE MATERIALS LOCATED WITHIN THE TEN FOOT EASEMENT ADJACENT TO A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

15. NO LEAD COMPLIANCE NOTE: TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS 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

James H. Shaden
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 136491 FIRST APPROVED DATE: 11-26-19

SWPPP NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVED ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAYS OF THE CITY OF LAS VEGAS AND CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRT00000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTION MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRT00000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

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 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.

DEVIATION FROM STANDARDS

NONE

LAS VEGAS FIRE & RESCUE GENERAL NOTES FOR HYDRANTS AND ACCESS

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
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. [FC 105.6.15]
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. [FC 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. [FC 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. [FC 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. [FC 507.2.1, NFPA 24]
8. PAINTING OF CURBS, FIRE HYDRANTS, PAOS, 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. [FC 507]
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. [FC 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. [FC 507]
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: [FC C102]
- | TYPE | SPACING |
|-------------|---|
| 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 1,000 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. [FC C102.6]
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO OTHER HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION [FC C102.10]
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AND APPROVED ROUTE. [FC 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 [FC C102.7]
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. [FC 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. FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ON SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. [FC 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. [FC 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% PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6% [FC 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. [FC. 503.2.4]
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. [FC 503.2.1]
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 33FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB. NOT LESS THAN 28 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB. NOT LESS THAN 24 FT WIDE WITH NO PARKING ON EITHER SIDE MEASURED TO THE FACE OF CURB. FIRE LANES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. [FC. 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. [FC 503.1.1]
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT. CLV REGULATION AND MOU.
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. CLV REGULATION
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. [FC 503.3]
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. [FC. 503.6]
29. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC COUNT OF MORE THAN 30,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET OF THE PROPOSED DEVELOPMENT. CLV REGULATION.

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.
2. DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.
3. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.
4. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623 G.03.01 OF THE USS.
5. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN NO. #8 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.
6. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH USD NO. 320A WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
7. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
8. SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICEPOINTS SHALL BE SHOWN ON THE PLANS.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREETLIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED. AT NO EXPENSE TO THE CITY OF LAS VEGAS.
10. THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

REVISED JUNE 4, 2018 (LD VERSION)

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE XI RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CCAUSS 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND 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 IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA (RTC). IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

REVISED JUNE 4, 2018

SOUTHERN NEVADA-SOUTHWEST GAS CORPORATION GENERAL NOTES

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
2. 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.
3. FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION
4. IN THE EVENT OF NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-365-2099

CAUTION-HIGH PRESSURE GAS!

EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION

APPROVED FOR CONSTRUCTION

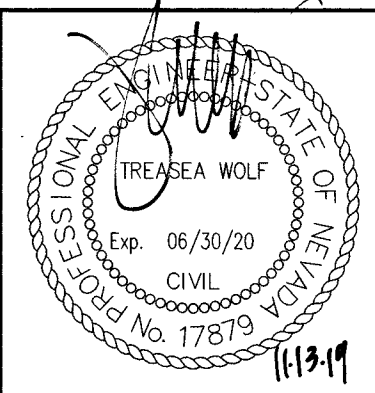
Timothy D. ...
SOUTHWEST GAS CORPORATION
DATE 11/14/19



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

Kimley»Horn

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CHICK-FIL-A

CHARLESTON & FT. APACHE

8975 W CHARLESTON BLVD
LAS VEGAS, NV 89117

FSR# 4293

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
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AGENCY # L19-00772

PROJECT # 092908012

PRINTED FOR PERMIT

DATE 11/12/19

DESIGN BY JZ

DRAWN BY CT

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SHEET

GENERAL NOTES

SHEET NUMBER

CLV #: L19-00772

H #: 10171024

C0.2

CONSTRUCTION NOTES QUANTITIES

		UNIT	PRIVATE	PUBLIC
1	CONSTRUCT "L" TYPE CURB & GUTTER PER DETAIL 17 OPTION B, SHEET C4.2	LF	510	-
2	CONSTRUCT "A" TYPE CURB PER DETAIL 8, SHEET C4.1	LF	2,110	-
3	CONSTRUCT SIDEWALK PER DETAIL 11, SHEET C4.1	SF	1,337	-
4	CONSTRUCT CONCRETE PAVING DRIVE-THRU LANE PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 24, SHEET C4.3	SF	6,854	-
5	CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 21, SHEET C4.2	SY	5,056	-
6	CONSTRUCT CONCRETE APRON @ TRASH ENCLOSURE PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 18, SHEET C4.2	EA	1	-
7	CONSTRUCT 6" MAX RETAINING WALL PER SEPERATE ARCHITECTURAL PLANS AND DETAILS BY OTHERS	LF	118	-
8	CONSTRUCT 0" CURB	LF	14	-
9	DRIVE-THRU ISOMETRIC PLAN VIEW PER DETAILS 13 & 14, SHEET C4.2	SF	196	-
10	SAWCUT NEAT & MATCH EXISTING	LF	496	-
11	CONSTRUCT 2.0' WIDE CURB OPENING PER DETAIL 16A, SHEET C4.2	LF	6	-
12	CONSTRUCT 4.0' WIDE CURB OPENING PER DETAIL 16B, SHEET C4.2	LF	12	-
13	CONSTRUCT TRANSVERSE AND LONGITUDINAL DOWELED CONSTRUCTION JOINT PER DETAIL 23, AND BUTT JOINT PER DETAIL 23A, SHEET C4.3	LF	496	-
14	CONSTRUCT 0" TO 6" TRANSITION PER DETAIL 15, SHEET C4.2	LF	49	-
15	NOT USED	LF	-	-
16	CONSTRUCT CONCRETE/AC EDGE PER DETAIL 21A, SHEET C4.2	LF	33	-
17	CONSTRUCT CONTRACTION JOINT (CJ) PER DETAIL 22, SHEET C4.3	LF	431	-
18	CONSTRUCT EXPANSION JOINT (EJ) PER DETAIL 26, SHEET C4.3	LF	72	-
19	CONSTRUCT RETURNED CURB ACCESSIBLE RAMP PER DETAIL 31, SHEET C4.3	EA	1	-
20	DRIVE-THRU ISLAND CURB PER DETAIL 29, SHEET C4.3	EA	1	-
21	CONSTRUCT SIDEWALK WITH 6" CURB SECTION PER DETAIL 12, SHEET C4.1	SF	1,579	-
22	NOT USED	LF	-	-
23	INSTALL RIP-RAP (D50=3", T=6") LINED SWALE PER DETAIL 30, SHEET C4.3	SF	920	-
24	CONSTRUCT TRASH ENCLOSURE FOUNDATION PER DETAIL 19, SHEET C4.2	EA	1	-
25	CONSTRUCT SCREEN WALL WITH WEEP HOLES PER ARCHITECTURAL PLANS AND DETAILS BY OTHERS	LF	78	-
26	CONSTRUCT PRECAST CONCRETE WHEEL STOP PER CCAUSD DWG NO. 238-SEE DETAIL 27, SHEET C4.3	EA	32	-
27	CONSTRUCT TRUNCATED DOMES PER DETAIL 10, SHEET C4.1	EA	3	-
28	CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL 9, SHEET C4.1	EA	1	-
29	INSTALL SIDEWALK UNDERDRAIN PER CCAUSD DWG NO. 236	EA	2	-
30	REMOVE & REPLACE SIDEWALK	SF	90	-
31	CONSTRUCT 3' VALLEY GUTTER PER DETAIL 45, SHEET C4.1	LF	39	-
32	ROOF DRAIN SPILL TO GRADE WITH 3'X6' RIP-RAP PAD; D50=6" THICKNESS=12"	EA	2	-
33	INSTALL SIDEWALK UNDERDRAIN PER CCAUSD DWG NO. 236	EA	2	-
34	PROPOSED LANDSCAPING PER SEPARATE LANDSCAPE PLANS			
ME	MATCH EXISTING			
SV	EXISTING SIGHT VISIBILITY ZONE			

DEMOLITION NOTES QUANTITIES

		UNIT	PRIVATE	PUBLIC
1	EXISTING BUILDING TO BE REMOVED	EA	1	-
2	EXISTING SITE LITE TO BE REMOVED	EA	22	-
3	EXISTING CONCRETE SIDEWALK TO BE REMOVED	SF	2,380	-
4	EXISTING LANDSCAPING TO BE REMOVED	EA	13	-
5	EXISTING FENCE TO BE REMOVED	LF	114	-
6	EXISTING WALL TO BE REMOVED	LF	327	-
7	EXISTING SIGN TO BE REMOVED	EA	11	-
8	EXISTING CURB TO BE REMOVED	LF	1,960	-
9	EXISTING PARKING STRIPING TO BE REMOVED	LF	3,374	-
10	EXISTING BOLLARD TO BE REMOVED	EA	6	-
11	EXISTING WATER METER TO BE REMOVED	EA	1	-
12	EXISTING SEWER CLEANOUT TO BE REMOVED	EA	8	-
13	EXISTING WATER LINE TO BE REMOVED OR ABANDONED IN PLACE	LF	124	-
14	EXISTING SEWER LATERAL TO BE REMOVED OR ABANDONED IN PLACE	LF	380	-
15	EXISTING GREASE INTERCEPTOR TO BE REMOVED	EA	1	-
16	EXISTING FIRE HYDRANT TO BE REMOVED/RELOCATED	EA	1	-
17	EXISTING BACKFLOW DEVICE TO BE REMOVED	EA	1	-
18	EXISTING UTILITY BOX TO BE REMOVED	EA	1	-
19	EXISTING FDC TO BE REMOVED	EA	1	-
20	EXISTING WATER VAULT TO BE REMOVED	EA	1	-
21	EXISTING TRANSFORMER TO BE RELOCATED	EA	1	-
22	EXISTING STRIPING TO BE REMOVED	LF	3,374	-
23	EXISTING ASPHALT PAVING TO REMOVED	SY	6,340	-

WATER NOTES QUANTITIES

		UNIT	PRIVATE	PUBLIC
1	INSTALL 2" PVC WL (PRIVATE)	LF	938	-
2	INSTALL 6" PVC WL - C900, CLASS 150 (PRIVATE)	LF	278	-
2A	INSTALL 6" PVC WL - CLASS 200 (PRIVATE)	LF	385	-
3	INSTALL 3/4" SH 80 PVC WL (PRIVATE)	LF	116	-
4	INSTALL 8"x6" REDUCER PER UDACS PLATE NO. 30-SEE DETAIL 39, SHEET C4.4	EA	1	-
5	INSTALL 2" COPPER WL	LF	-	10
6	INSTALL 2" BRASS WL	LF	-	6
7	INSTALL 2" METER PER UDACS PLATE NO. 4-SEE DETAIL 37, SHEET C4.4	EA	-	1
8	INSTALL 2" RPPA PER UDACS PLATE NO. 8-SEE DETAIL 38, SHEET C4.4	EA	-	1
9	INSTALL 8" X 6" TEE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4	EA	1	-
10	INSTALL CORP STOP PER UDACS PLATE NO. 4-SEE DETAIL 37, SHEET C4.4	EA	-	1
11	INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4	EA	12	-
12	INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4	EA	10	-
13	INSTALL FIRE HYDRANT & 6" GATE VALVE PER UDACS PLATE NO. 40 & 41-SEE DETAIL 41 & 42, SHEET C4.5	EA	1	-
14	STUB & CAP-SEE PLUMBING PLANS FOR CONTINUATION	EA	5	-
15	REMOVE EX CAP AND CONNECT	EA	2	-
16	TRENCH AND BACKFILL UNIMPROVED AREAS PER UDACS PLATE NO. 16-SEE DETAIL 43, SHEET C4.5	LF	202	-
17	TRENCH AND BACKFILL IMPROVED AREAS PER UDACS PLATE NO. 17-SEE DETAIL 44, SHEET C4.5	LF	83	-
18	FIRE DEPARTMENT CONNECTION STAND ALONE - SEE DETAIL 46, SHEET C4.5	EA	1	-
19	INSTALL 1" RPPA PER UDACS PLATE NO. 8	EA	1	-
20	INSTALL 1" PVC WL (PRIVATE)	LF	12	-
21	INSTALL 2"x1" TEE PER UDACS PLATE NO. 31	EA	1	-

SEWER NOTES QUANTITIES

		UNIT	PRIVATE	PUBLIC
1	CONNECT TO EXISTING 6" LATERAL (PRIVATE)-CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION	EA	1	-
2	INSTALL 6" PVC SDR-35 SEWER LATERAL PER DCSWCS SD-21 (PRIVATE)-SEE DETAIL 36, SHEET C4.4	LF	540	-
3	INSTALL 6" CLEAN OUT WITH TRAFFIC RATED LID PER DCSWCS SD-24 (PRIVATE)-SEE DETAIL 35, SHEET C4.4	EA	11	-
4	INSTALL WYE & 45° BEND PER DCSWCS SD-21 (PRIVATE)-SEE DETAIL 36, SHEET C4.4	EA	13	-
5	STUB AND CAP - SEE PLUMBING PLANS FOR CONTINUATION	EA	6	-
6	INSTALL 1500 GAL GREASE INTERCEPTOR-JENSEN MODEL JP1500EE-G OR EQUIVALENT-SEE DETAIL 33, SHEET C4.4 (PER PLUMBING PLANS OR SEPARATE PERMIT)	EA	3	-
7	INSTALL SAMPLE BOX WITH PIPE CONNECTION-JENSEN MODEL 2432-Z OR EQUIVALENT-SEE DETAIL 34, SHEET C4.4	EA	3	-
8	INSTALL 45° HORIZONTAL BEND SAME SIZE AS LINE	EA	2	-

ON-SITE SIGNAGE & TRAFFIC QUANTITIES

		UNIT	PRIVATE	PUBLIC
1	INSTALL ADA ACCESSIBLE SIGN PER DETAIL 6, SHEET C4.1	EA	3	-
2	INSTALL DIRECTIONAL SIGNAGE PER DETAIL 6, SHEET C4.1	EA	2	-
3	INSTALL ADA ACCESSIBLE STRIPING PER DETAIL 5, SHEET C4.1	SF	464	-
4	INSTALL PAINTED ACCESSIBILITY SYMBOL PER DETAIL 4, SHEET C4.1	EA	3	-
5	INSTALL MENU BOARD PER DETAIL 31, SHEET C4.3	EA	2	-
6	INSTALL DIRECTIONAL ARROWS PER DETAIL 1, SHEET C4.1	EA	15	-
7	INSTALL CROSSWALK PER DETAIL 25, SHEET C4.3	EA	1	-
8	ADD MULTI-LANE DIRECTIONAL GRAPHICS PER DETAIL 28, SHEET C4.3	EA	1	-
9	ADD STOP LINE GRAPHICS PER DETAIL 3, SHEET C4.1	EA	4	-
10	PAINT CURBS RED "FIRE LANE-NO PARKING" PER DETAIL "A" ON SHEET C2.0	LF	626	-
11	INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT (IF NOT EXISTING)	EA	1	-
12	INSTALL CONCRETE BOLLARD PER DETAIL 20, SHEET C4.2	EA	3	-
13	LANDSCAPE			

MASTER LEGEND

STREET CENTERLINE	EXISTING PARKING STRIPING
PROPERTY LINE	PROPOSED ROAD STRIPING
ADJACENT PROPERTY LINE	PROPOSED PARKING STRIPING
EXISTING LOT LINE	EXISTING CONTOUR
EXISTING EASEMENT	PROPOSED CONTOUR
EXISTING PATENT EASEMENT	CUT FILL TRANSITION
EXISTING PROPERTY LINE TO BE VACATED	ADA ACCESS
EXISTING PATENT EASEMENT TO BE VACATED	SAWCUT LIMITS
EXISTING WALL	RIDGE
PROPOSED RETAINING & SCREEN WALL	GRADE BREAK
PROPOSED SCREEN WALL	FLOW LINE
EXISTING FENCE	EXISTING STORM DRAIN
PROPOSED FENCE	EXISTING STORM DRAIN TO BE REMOVED
EXISTING BUILDING	EXISTING SEWER LINE
PROPOSED BUILDING	EXISTING WATER LINE
PROPOSED CONCRETE BARRIER RAIL	EXISTING GAS LINE
EXISTING CURB & GUTTER	PROPOSED SEWER
EXISTING CURB	PROPOSED SEWER LATERAL
EXISTING SIDEWALK	PROPOSED WATER LINE
EXISTING VALLEY GUTTER	PROPOSED STREET LIGHT CONDUIT
PROPOSED CURB & GUTTER	PROPOSED TRAFFIC CONDUIT
PROPOSED CURB	EXISTING SIGN
PROPOSED SIDEWALK	PROPOSED SIGN
EXISTING EDGE OF PAVEMENT	EXISTING HANDICAP PARKING
PROPOSED EDGE OF PAVEMENT	PROPOSED HANDICAP PARKING
EXISTING EDGE OF PAVEMENT TO BE REMOVED	EXISTING STORM DRAIN MANHOLE
EXISTING ROAD STRIPING	PROPOSED SIDEWALK DRAIN
PROPOSED BOLLARD	EXISTING DROP INLET
PROPOSED DOOR	PROPOSED DROP INLET
SCARP	EXISTING SEWER MANHOLE
SLOPE	PROPOSED SEWER MANHOLE
EXISTING GRADE	EXISTING FIRE HYDRANT
PROPOSED GRADE	PROPOSED CLEAN OUT
	PROPOSED FIRE HYDRANT
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	PROPOSED BLUE REFLECTIVE PVMT MARKING
	EXISTING MISCELLANEOUS MANHOLE
	EXISTING POLE
	EXISTING STREET LIGHT
	EXISTING AREA LIGHT
	PROPOSED AREA LIGHT

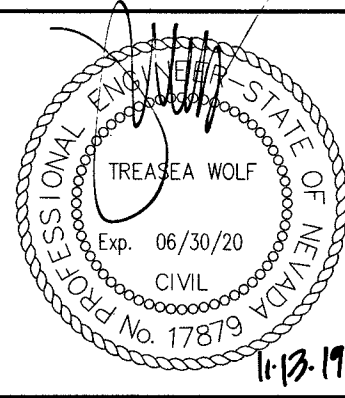
ABBREVIATIONS

AB	AGGREGATE BASE	E/W	EAST/WEST OF EACH WAY	PT	POINT OF TANGENCY
AC	ASPHALTIC CONCRETE	F-F	FACE OF CURB TO FACE OF CURB	PVC	POLYVINYL CHLORIDE
ADA	AMERICANS WITH DISABILITIES ACT	FG	FINISHED GROUND	PVI	POINT OF VERTICAL INFLECTION
AVE	AVENUE	FF	FINISHED FLOOR	R	RADIUS
BC	BACK OF CURB	PH	FIRE HYDRANT	RCB	REINFORCED CONCRETE BOX
BOR	BEGIN CURB RETURN	FS	FINISHED SURFACE	RCP	REINFORCED CONCRETE PIPE
BLVD	BOULEVARD	FL	FLOWLINE	RT	RIGHT
BM	BENCHMARK	FT	FOOT OF FEET	R/W	RIGHT OF WAY
BVC	BEGIN VERTICAL CURVE	GB	GRADE BREAK	S	SOUTH
BW	BOTTOM OF WALL	H	HEIGHT	SD	STORM DRAIN
B/S	BACKSIDE	HDPE	HIGH-DENSITY POLYETHYLENE	SF	SQUARE FOOT OR FEET
CALC	CALCULATED	HP	HIGH POINT	SS	SANITARY SEWER
CC	CLARK COUNTY	INT	INTERSECTION	SSMH	SANITARY SEWER MANHOLE
CCAUSD	CLARK COUNTY AREA UNIFORM DISTRICT STANDARD DRAWING	INV	INVERT	ST	STREET
CCFD	CLARK COUNTY FIRE DEPARTMENT	L	LENGTH	STL	STEEL
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	LA	LANDSCAPE ARCHITECT	STD	STANDARD
CJ	CONTRACTION JOINT	LF	LINEAR FEET	SY	SQUARE YARDS
CL	CENTERLINE	L/S	LANDSCAPE	TC	TOP OF CURB
CLV	CITY OF LAS VEGAS	LT	LEFT	TG	TOP OF GRATE
CO	CLEAN OUT	LTVWD	LAS VEGAS VALLEY WATER DISTRICT	TYP	TYPICAL
CONN	CONNECTION	MAX	MAXIMUM	TW	TOP OF WALL
CTV	CABLE TELEVISION	ME	MATCH EXISTING	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
CY	CUBIC YARD	MEP	MECHANICAL, ELECTRICAL AND PLUMBING	VERT	VERTICAL
Δ	DELTA (DIFFERENCE) / ANGLE	MH	MANHOLE	W	WEST OR WATER
D	DEPTH	MIN	MINIMUM	WL	WATERLINE
DG	DECOMPOSED GRANITE	N	NORTH	WTR	WATER
DI	DUCTILE IRON	NTS	NOT TO SCALE	XFF	EXISTING FINISHED FLOOR ELEVATION
EA	EAST	N/S	NORTH/SOUTH	±	PLUS OR MINUS
EOR	END CURB RETURN	OC	ON CENTER		
EJ	EXPANSION JOINT	P.A.E.	PUBLIC ACCESS EASEMENT		
ELEV	ELEVATION	PC	POINT OF CURVATURE		
ELEC	ELECTRICAL	PCC	POINT OF COMPOUND CURVATURE		
EP	EDGE OF PAVEMENT	PR	PROPOSED		
EVC	END VERTICAL CURVE	PRC	POINT OF REVERSE CURVATURE		
EX.	EXISTING				



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5200 Buffington Road
Atlanta, Georgia
30349-2998

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CHARLESTON & FT. APACHE
8975 W CHARLESTON BLVD
LAS VEGAS, NV 89117

FSR# 4293

REVISION SCHEDULE
NO. DATE DESCRIPTION

AGENCY # L19-00772
PROJECT # 092908012
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DATE 11/12/19
DESIGN BY JZ
DRAWN BY CT
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SHEET QUANTITIES

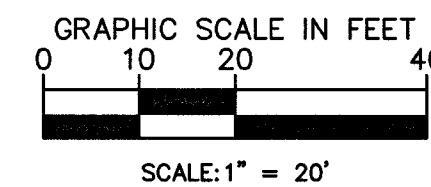
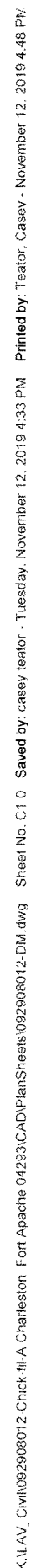
SHEET NUMBER



CLV #: L19-00772

H #: 10717084

C0.3



- 1 EXISTING BUILDING TO BE REMOVED
- 2 EXISTING SITE LITE TO BE REMOVED
- 3 EXISTING CONCRETE SIDEWALK TO BE REMOVED
- 4 EXISTING LANDSCAPING TO BE REMOVED
- 5 EXISTING FENCE TO BE REMOVED
- 6 EXISTING WALL TO BE REMOVED & REPLACED
- 7 EXISTING SIGN TO BE REMOVED
- 8 EXISTING CURB TO BE REMOVED
- 9 EXISTING PARKING STRIPING TO BE REMOVED
- 10 EXISTING BOLLARD TO BE REMOVED
- 11 EXISTING WATER METER TO BE REMOVED
- 12 EXISTING SEWER CLEANOUT TO BE REMOVED
- 13 EXISTING WATER LINE TO BE REMOVED OR ABANDONED IN PLACE
- 14 EXISTING SEWER LATERAL TO BE REMOVED OR ABANDONED IN PLACE
- 15 EXISTING GREASE INTERCEPTOR TO BE REMOVED
- 16 EXISTING FIRE HYDRANT TO BE REMOVED/RELOCATED
- 17 EXISTING BACKFLOW DEVICE TO BE REMOVED
- 18 EXISTING UTILITY BOX TO BE REMOVED
- 19 EXISTING FDC TO BE REMOVED
- 20 EXISTING WATER VAULT TO BE REMOVED
- 21 EXISTING TRANSFORMER TO BE RELOCATED
- 22 EXISTING WALL TO BE REMOVED
- 23 EXISTING ASPHALT PAVING TO BE REMOVED

CONTRACTOR TO REMOVE ALL CURB & GUTTER, SIDEWALK, UTILITIES, STRIPING, AREA LIGHTS, BOLLARDS, FIRE HYDRANTS, CLEANOUTS, ETC WITHIN THE AREA DEPICTED AS THE DEMOLITION AREA WITH THE EXCEPTION OF ITEMS SPECIFICALLY NOTED TO REMAIN.

ALL DRY UTILITY EXISTING METERS AT EX. BUILDING TO BE REMOVED. ALL UNDERGROUND DRY UTILITY LINES TO REMAIN PROTECTED IN PLACE TO 5' FROM FUTURE BUILDING PAD LOCATION AND AS-BUILT BY DEMOLITION CONTRACTOR. AS-BUILT TO BE PROVIDED UPON COMPLETION OF DEMOLITION. REFER TO DRY UTILITY PLANS BY OTHERS.

1. ALL WORK SHALL CONFORM TO THE SOLS REPORT PREPARED BY TERRACON, DATED MARCH 28, 2019, PROJECT NO. 64185122.
2. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION.
3. FINAL ASPHALTIC CONCRETE (AC PAVEMENT SURFACES SHALL BE FLUSH WITH THE LIP OF GUTTER (INCLUDING OPEN GRADE).
4. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
5. THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
6. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
7. ALL HIGH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
8. THIS PROJECT IS PART OF AN EXISTING COMMERCIAL SUBDIVISION.

NOTE REGARDING REMOVAL OF EXISTING CLEAN OUTS AND GREASE INTERCEPTOR: CONTRACTOR TO CHECK FOR ANY STAINED SOIL ADJACENT TO THE REMOVAL AREA. IF ANY STAINED SOIL EXISTS, IT SHALL BE REMOVED FROM THE SITE AND REPLACED WITH CLEAN FILL. IF STAINED SOIL IS FOUND, PLEASE CONTACT THE GEOTECHNICAL ENGINEER OF RECORD FOR INSPECTION.

LAS VEGAS VALLEY WATER DISTRICT : ENGINEERING SERVICES
PROJECT NO. 136491 FIRST APPROVED DATE: 11-26-19
LVVWD APPROVED FIRE FLOW: 1,500 GPM

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND
TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED,
DESTROYED, OR OBTURED DURING CONSTRUCTION.

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

7LV00 32SSW6: A RIVET AND PLATE IN THE TOP OF CURB AT THE
NORTHWEST CORNER OF RAMPART BOULEVARD AND CHARLESTON
BOULEVARD = 837.425m = 2,747.45ft (NAVD88).

NORTH 89°26'21" EAST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 32, TOWNSHIP 20 SOUTH, RANGE 60 EAST M.D.M., CITY OF LAS VEGAS, STATE OF NEVADA, AS SHOWN BY THE MAP RECORDED IN FILE 36 OF SURVEYS, PAGE 89 IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

3.18 REMOVAL/ABANDONMENT OF EXISTING FACILITIES

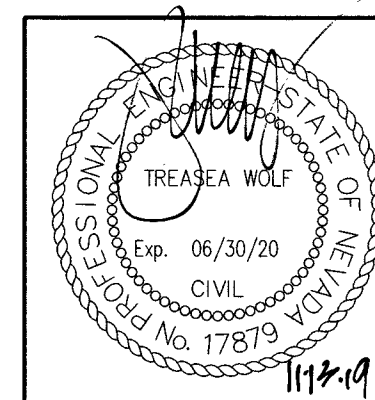
THE CONTRACTOR IS CAUTIONED THAT HYDROGEN SULFIDE, METHANE AND OTHER POTENTIALLY HAZARDOUS AND/OR EXPLOSIVE GASES MAY BE PRESENT IN EXISTING OR NEW SANITARY SEWERS. THERE ALSO MAY NOT BE SUFFICIENT OXYGEN TO SUPPORT LIFE. THEREFORE THE CONTRACTOR IS ADVISED TO TAKE SUITABLE PRECAUTIONS TO PROTECT ITS WORK FORCES AND THE GENERAL PUBLIC FROM EXPOSURE AND SHALL PROVIDE ODOR CONTROL AND OTHER SYSTEMS SUITABLE FOR SUCH CONDITIONS.

THE CONTRACTOR SHALL TELEVIEW THE EXISTING MAINLINE SEWER TO BE REMOVED/ABANDONED PRIOR TO BEGINNING REMOVAL/ABANDONMENT PROCEDURES TO LOCATE ALL EXISTING PIPE CONNECTIONS, TELEVIEWING RECORDS AND RECORDS SHALL BE IN ACCORDANCE WITH THE RECORDS SECTION 3.13.1. THE CONNECTION LOCATION SHALL PROVIDE THE TELEVIEWING RECORD TOGETHER WITH A WRITTEN LOG OF CONNECTION LOCATIONS PRIOR TO BEGINNING THE ABANDONMENT PROCESS. ABANDONMENT OF MAIN LINES AND MATERIALS SHALL BE BY REMOVAL.



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8975 W CHARLESTON BLVD
LAS VEGAS, NV 89417

FSR# 4293

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION

AGENCY # 119-007

PROJECT #	092908
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PRINTED FOR

DATE	11/12
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SHEET

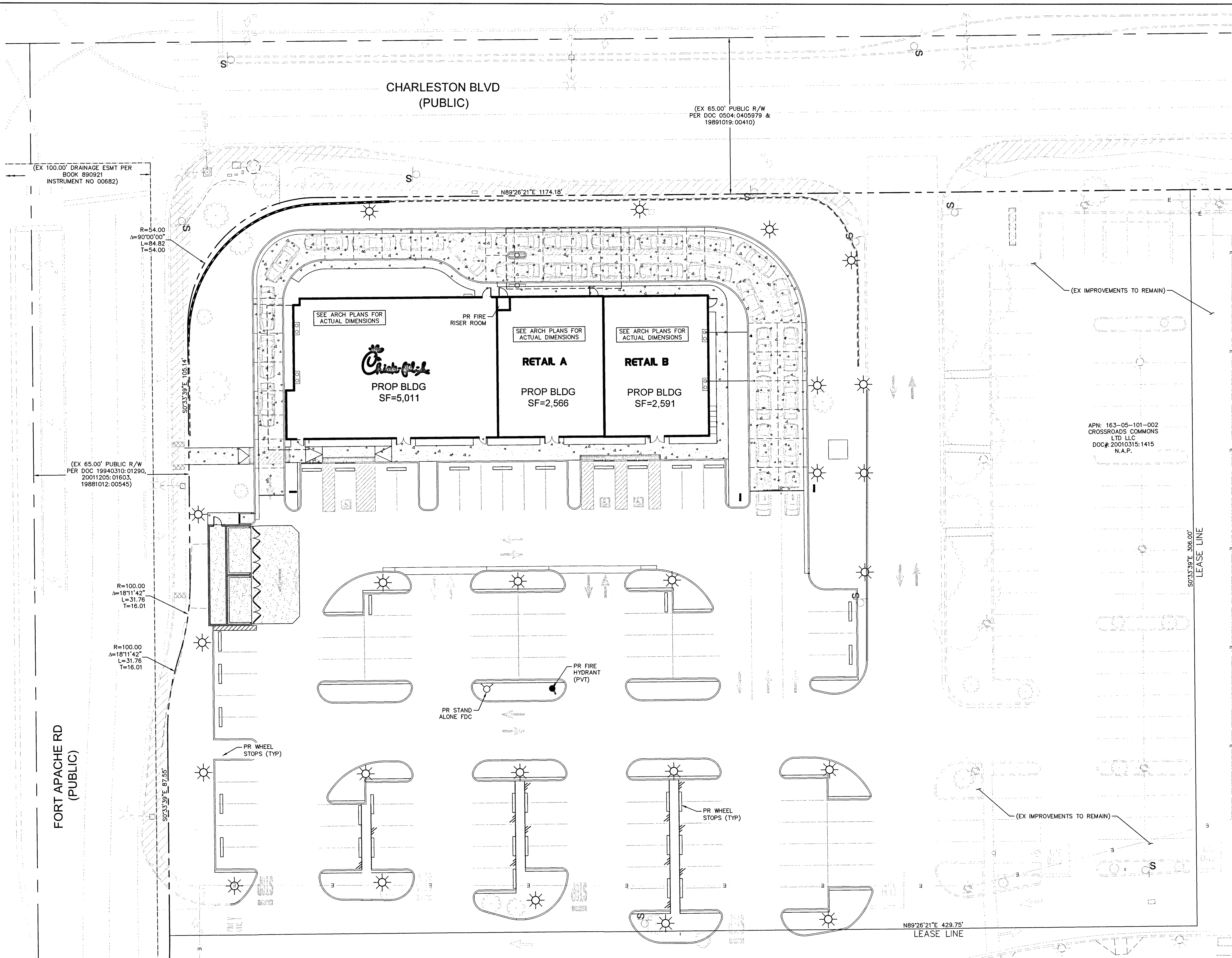
DEMOLITION PLAN

SHEET NUMBER

C10

Conclusion

K:\LAV_Civil\2019\0113-Chick-fil-A-Charleston-Ft Apache\2020\20200113-DWG.dwg Sheet No. 12 of 3 Saved by cathy.bauer Tuesday, November 12, 2019 4:48:19 PM Printed by Tasha Carter November 12, 2019 4:48:19 PM



SIGHT VISIBILITY ZONES NOTE

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

PAVEMENT MARKERS

INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO THE FIRE HYDRANT ON ALL IMPROVED FIRE APPARATUS ACCESS ROADWAYS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND PRIVATE ROADS, STREETS, OR FIRE LANES:

- ON ROADWAYS WITH NO PARKING PERMITTED ON THE HYDRANT SIDE: EIGHT (8) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.
- ON ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE: SIXTEEN (16) FEET FROM THE FACE OF CURB ON THE HYDRANT SIDE.

NOTES:

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED. OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBTURED DURING CONSTRUCTION.

BENCHMARK

7LV00 3255W6: A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RAMPART BOULEVARD AND CHARLESTON BOULEVARD = 837.425m = 2,747.45ft (NAVD88).

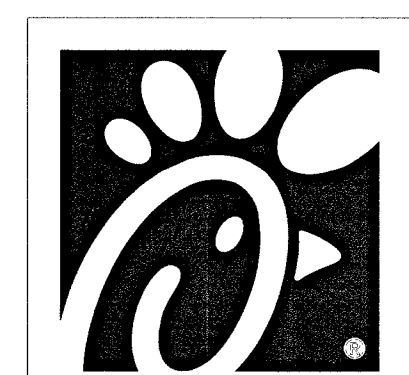
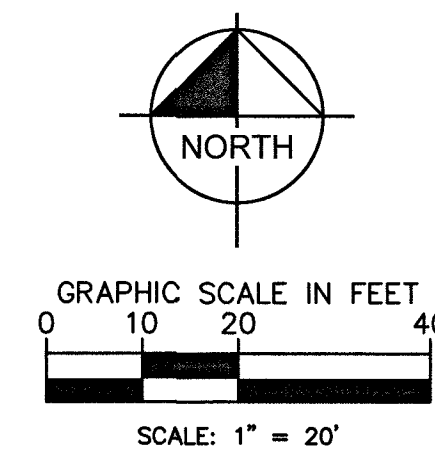
BASIS OF BEARING

NORTH 89°26'21" EAST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 32, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, STATE OF NEVADA, AS SHOWN BY THE MAP RECORDED IN FILE 36 OF SURVEYS, PAGE 89 IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

ACCESSIBILITY NOTES

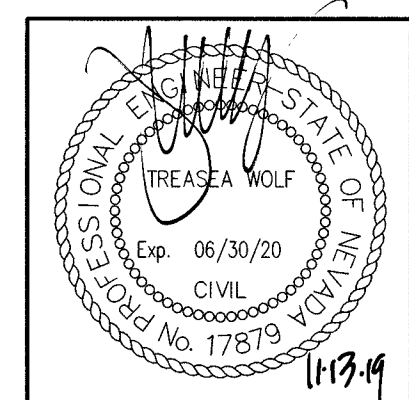
- MAXIMUM SLOPE ON THE ACCESSIBLE ROUTE IS 5.0% IN THE DIRECTION OF TRAVEL, 2.0% CROSS SLOPE.
- MAXIMUM SLOPE IN ACCESSIBLE PARKING STALL LOADING AISLES IS 2.0% IN ANY DIRECTION.
- PROVIDE ACCESSIBLE PARKING STALL SIGNAGE FOR HANDICAP AND VAN ACCESSIBLE STALLS PER NRS 484.408.
- HANDICAP STALLS SHALL BE 9'-0" WIDE X 18'-6" LONG (18'-6" WITH PERMITTED OVERHANG). HANDICAP STALL LOADING AISLES ARE 5'-0" WIDE X THE ENTIRE LENGTH OF THE PARKING STALL (8'-0" WIDE FOR VAN ACCESSIBLE SPACES).

CITY OF LAS VEGAS	
FIRE DEPARTMENT APPROVAL	
BY:	DATE: 11-20-19
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.	
FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL	
CLV #: L19-00772	H #: 1077084



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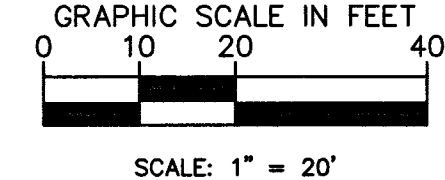
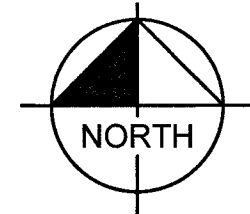
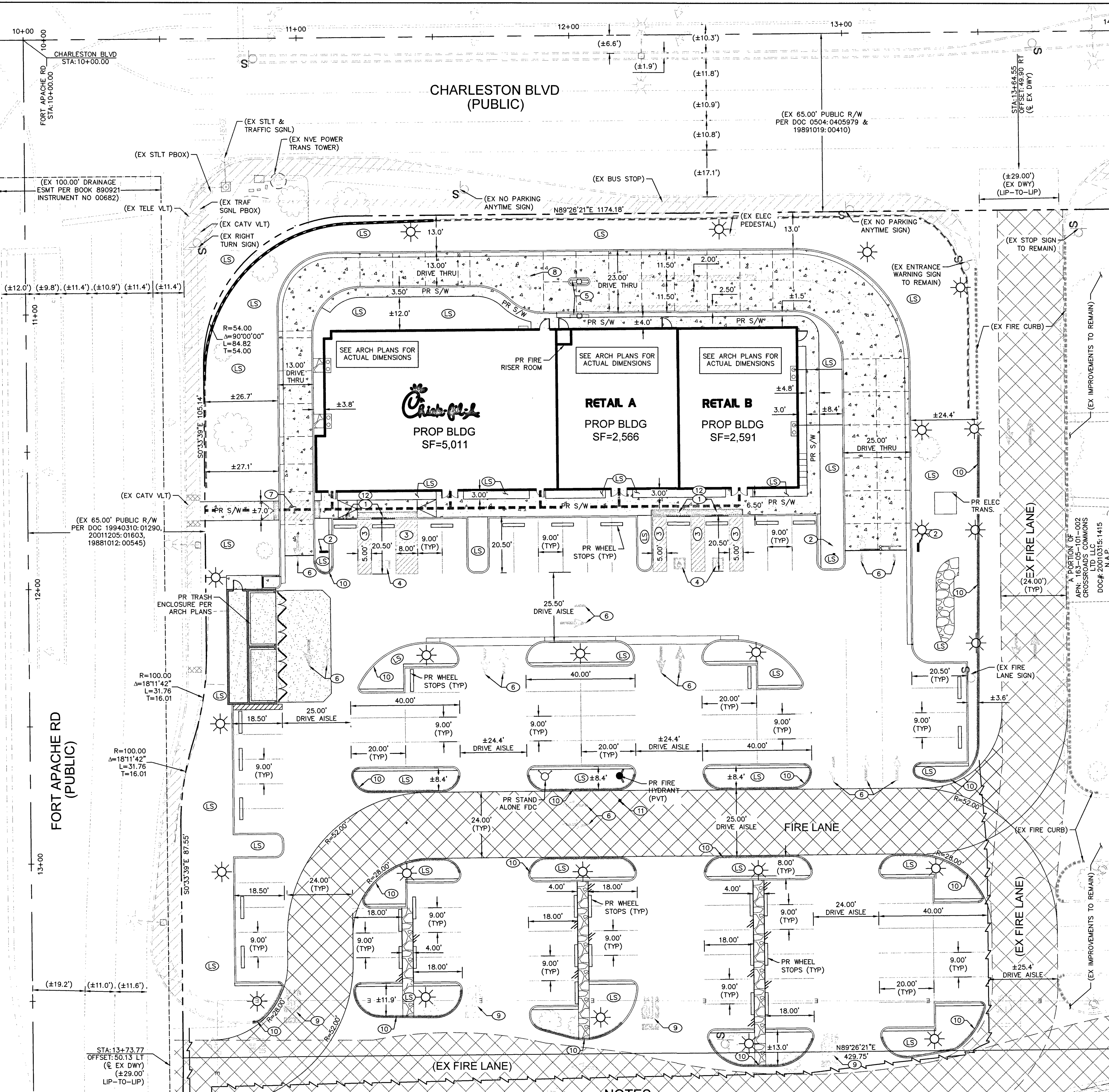
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CHARLESTON & FT. APACHE
8975 W CHARLESTON BLVD
LAS VEGAS, NV 89117

FSR# 4293

REVISION SCHEDULE
NO. DATE DESCRIPTION

AGENCY #	L19-00772
PROJECT #	092908012
PRINTED FOR	PERMIT
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DRAWN BY	CT
SHEET	OVERALL SITE
HORIZONTAL	CONTROL PLAN
SHEET NUMBER	

C2.0



FIRE LANE LEGEND

- INDICATES RED PAINTED CURB WITH "NO PARKING FIRE LANE" PAINTED EVERY 50 FT. PER CLV GUIDELINES
- ADA ROUTE TO PUBLIC R/W
- INDICATES PROPOSED LOCATION OF FIRE LANE SIGNS TO BE PLACED AT ENTRANCES. FIRE LANE SIGNS SHALL CONFORM TO CITY OF LAS VEGAS FIRE DEPARTMENT UNIFORM GUIDELINES (SEE DETAIL THIS SHEET)
- INDICATES EXISTING FIRE HYDRANT
- INDICATES PROPOSED FIRE HYDRANT
- PROPOSED BLUE REFLECTIVE PAVEMENT MARKER
- INDICATES FIRE FLOW DIRECTION
- TURNING RADIUS (TYPICAL)
- INDICATES STAND ALONE FDC

ON-SITE SIGNAGE & TRAFFIC NOTES

- INSTALL ADA ACCESSIBLE SIGN PER DETAIL 6, SHEET C4.1
- INSTALL DIRECTIONAL SIGNAGE PER DETAIL 6, SHEET C4.1
- INSTALL ADA ACCESSIBLE STRIPING PER DETAIL 5, SHEET C4.1
- INSTALL PAINTED ACCESSIBILITY SYMBOL PER DETAIL 4, SHEET C4.1
- INSTALL MENU BOARD PER DETAIL 31, SHEET C4.3
- INSTALL DIRECTIONAL ARROWS PER DETAIL 1, SHEET C4.1
- INSTALL CROSSWALK PER DETAIL 25, SHEET C4.3
- ADD MULTI-LANE DIRECTIONAL GRAPHICS PER DETAIL 28, SHEET C4.3
- ADD STOP LINE GRAPHICS PER DETAIL 3, SHEET C4.1
- PAINT CURBS RED "FIRE LANE-NO PARKING" PER DETAIL "A" ON SHEET C2.0
- INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT (IF NOT EXISTING)
- INSTALL CONCRETE BOLLARD PER DETAIL 20, SHEET C4.2
- LANDSCAPE

CITY OF LAS VEGAS FIRE DEPARTMENT FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:

REQ'D FIRE FLOW*	CHICK-FIL-A	RETAIL A	RETAIL B	TOTAL
SQUARE FOOTAGE**	5,011	2,566	2,591	10,168
LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A	N/A	N/A	N/A
HEIGHT	21'-8"	21'-8"	21'-8"	21'-8"
TYPE OF CONSTRUCTION	V-B	V-B	V-B	V-B
SPRINKLER SYSTEM	YES	YES	YES	YES
OCCUPANCY	A2	M	M	A2 & M
NO. OF STORIES	1	1	1	1
HIGH PILED STORAGE	NO	NO	NO	NO
CHEMICAL ADDITIVES	NO	NO	NO	NO

*BASED ON 50% REDUCTION FOR FIRE SPRINKLERS
**BASED ON MAXIMUM SQUARE FOOTAGE POSSIBLE
REVIEWED BY: *[Signature]* DATE: 11-20-19
LAS VEGAS FIRE AND RESCUE

ACCESSIBILITY NOTES

- MAXIMUM SLOPE ON THE ACCESSIBLE ROUTE IS 5.0% IN THE DIRECTION OF TRAVEL, 2.0% CROSS SLOPE.
- MAXIMUM SLOPE IN ACCESSIBLE PARKING STALL LOADING AISLES IS 2.0% IN ANY DIRECTION.
- PROVIDE ACCESSIBLE PARKING STALL SIGNAGE FOR HANDICAP AND VAN ACCESSIBLE STALLS PER NRS 484.408.
- HANDICAP STALLS SHALL BE 9'-0" WIDE X 18'-6" LONG (18'-6" WITH PERMITTED OVERHANG). HANDICAP STALL LOADING AISLES ARE 5'-0" WIDE X THE ENTIRE LENGTH OF THE PARKING STALL (8'-0" WIDE FOR VAN ACCESSIBLE SPACES).

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: *[Signature]* DATE: 11-20-19
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.
FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL.
CLV #: L19-00772 H #: 10717084

ON-SITE FIRE LANE RED CURB DETAIL A (NOT TO SCALE)

- FIRE LANE ENTRANCE SIGN(S) SHALL ALSO BE PROVIDED
- CURBS SHALL BE PAINTED OSHA SAFETY RED
- "FIRE LANE-NO PARKING" SHALL BE PAINTED ON TOP OF CURB IN 4" WHITE LETTERING AT A SPACING OF 30' ON CENTER OR PORTION THEREOF.

NOTES:

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BENCHMARK

7LV00 325SW6: A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RAMPART BOULEVARD AND CHARLESTON BOULEVARD = 837.425m = 2,747.45ft (NAVD88).

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PAVEMENT MARKERS

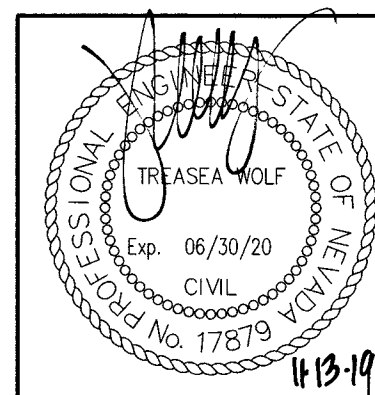
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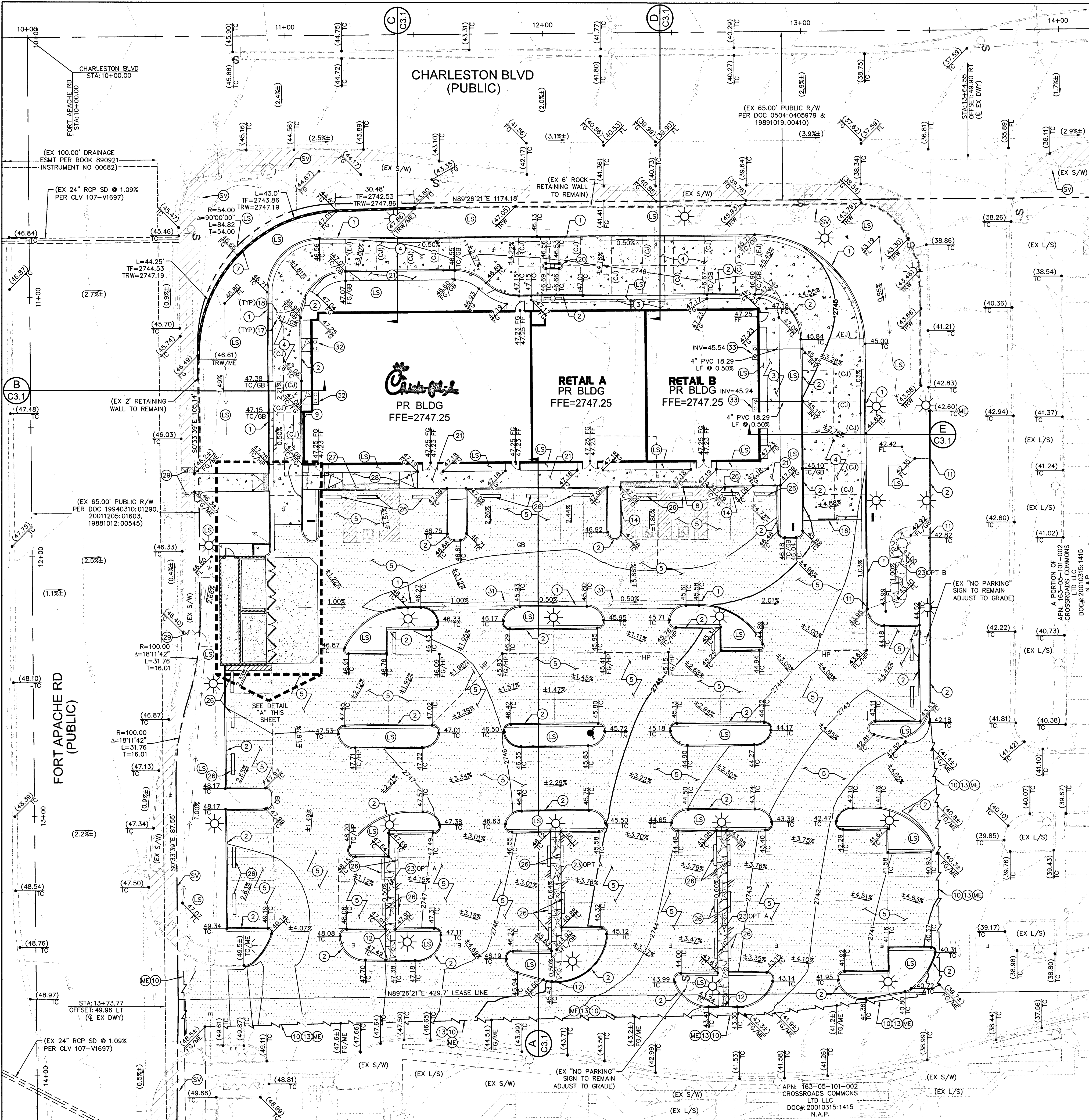
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FSR# 4293

REVISION SCHEDULE
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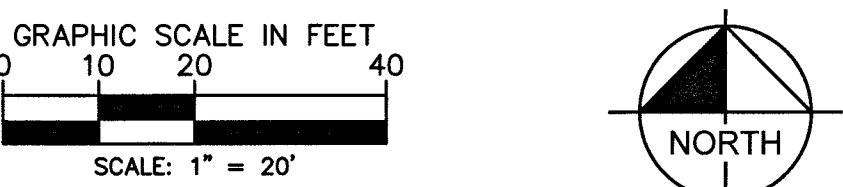
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SHEET SITE HORIZONTAL CONTROL PLAN
SHEET NUMBER

C2.1



LEGEND

- RIGHT-OF-WAY
- PROPERTY LINE
- LEASE LINE
- GRADE BREAK
- PR SAWCUT LINE
- PR RETAINING WALL
- PR SWALE/FLOW LINE
- PR TYPE 'L' CURB & GUTTER
- PR TYPE 'A' CURB
- EX STREETLIGHT
- EX SIGHT VISIBILITY ZONE (SVZ)
- PR PAVEMENT
- PR CONCRETE



ENGINEER'S NOTES:

- ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY TERRACON, DATED MARCH 28, 2019, NO. 64185122.
- ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" LATEST EDITION.
- FINAL ASPHALTIC CONCRETE (AC PAVEMENT SURFACES SHALL BE FLUSH WITH THE LIP OF GUTTER (INCLUDING OPEN GRADE).
- CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
- THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNLESS APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
- ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
- MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
- THIS PROJECT IS PART OF A PROPOSED COMMERCIAL SUBDIVISION.
- ALL ON-SITE STORM DRAINS AND THE ASSOCIATED STORM WATER FACILITIES ARE PRIVATELY OWNED AND PRIVATELY MAINTAINED.

STORMWATER MANAGEMENT NOTES

- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CITY OF LAS VEGAS, AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CITY OF LAS VEGAS BUILDING ADMINISTRATIVE CODE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION III.A.5.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE VISIBILITY ZONE UNLESS SAID AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI00000, SECTION III.A.12.
- ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

SIGHT VISIBILITY ZONES NOTE

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

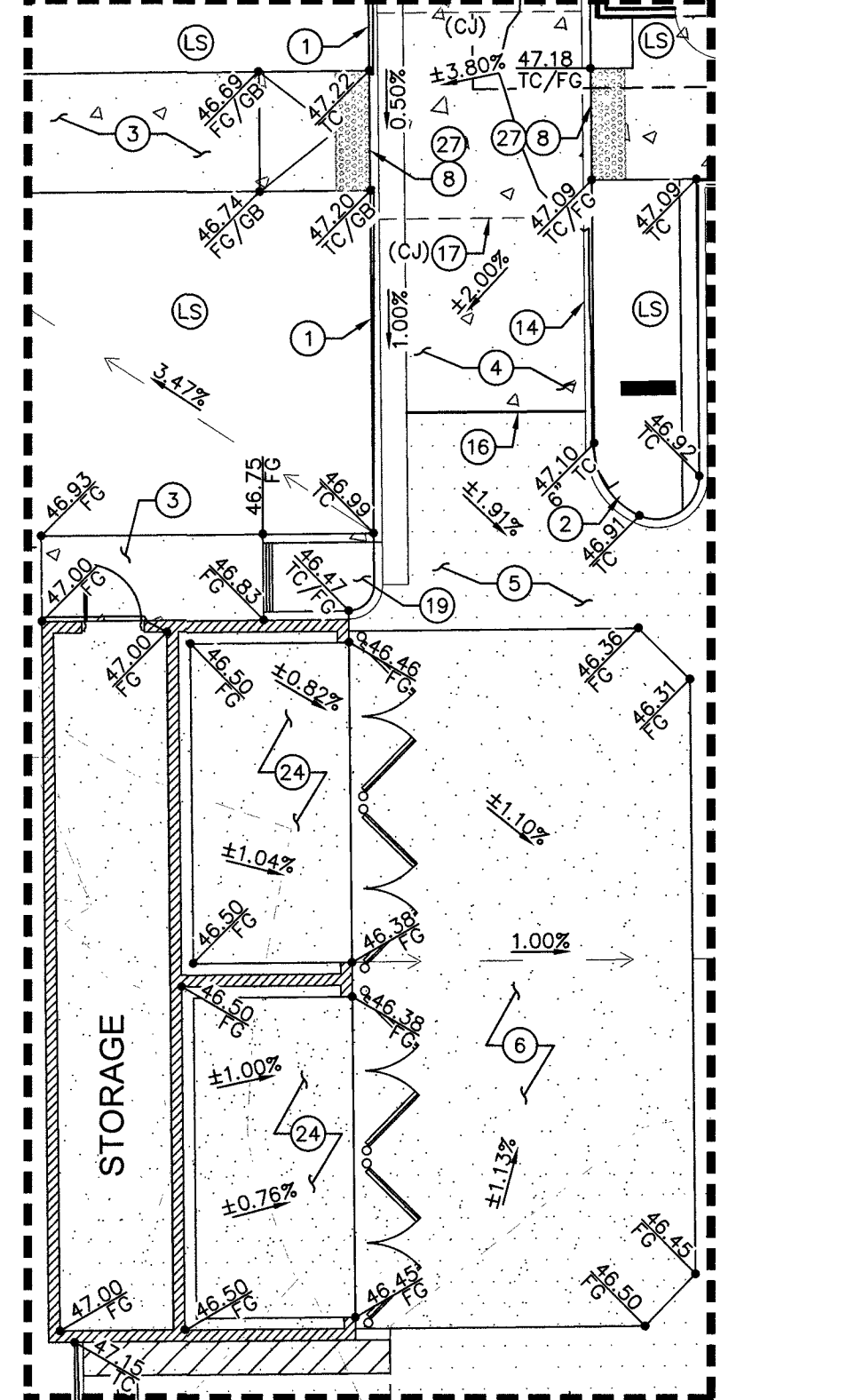
Call before you Dig
and confirm responsible party
811
OR
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300

CALL BEFORE OVERHEAD
1-702-227-2929

CONSTRUCTION NOTES

- CONSTRUCT "L" TYPE CURB & GUTTER PER DETAIL 17 OPTION B, SHEET C4.2
- CONSTRUCT "A" TYPE CURB PER DETAIL 8, SHEET C4.1
- CONSTRUCT SIDEWALK PER DETAIL 11, SHEET C4.1
- CONSTRUCT CONCRETE PAVING DRIVE-THRU LANE PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 24, SHEET C4.3
- CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 21, SHEET C4.2
- CONSTRUCT CONCRETE APRON @ TRASH ENCLOSURE PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 18, SHEET C4.2
- CONSTRUCT 6"3" MAX RETAINING WALL PER SEPARATE ARCHITECTURAL PLANS AND DETAILS BY OTHERS
- CONSTRUCT 0" CURB
- DRIVE-THRU ISOMETRIC PLAN VIEW PER DETAILS 13 & 14, SHEET C4.2
- SAWCUT NEAT & MATCH EXISTING
- CONSTRUCT 2.0' WIDE CURB OPENING PER DETAIL 16A, SHEET C4.2
- CONSTRUCT 4.0' WIDE CURB OPENING PER DETAIL 16B, SHEET C4.2
- CONSTRUCT TRANSVERSE AND LONGITUDINAL DOWELED CONSTRUCTION JOINT PER DETAIL 23, AND BUTT JOINT PER DETAIL 23A, SHEET C4.3
- CONSTRUCT 0" TO 6" TRANSITION PER DETAIL 15, SHEET C4.2
- CONSTRUCT CONCRETE/AC EDGE PER DETAIL 21A, SHEET C4.2
- CONSTRUCT CONTRACTION JOINT (CJ) PER DETAIL 22, SHEET C4.3
- CONSTRUCT EXPANSION JOINT (EJ) PER DETAIL 26, SHEET C4.3
- CONSTRUCT RETURNED CURB ACCESSIBLE RAMP PER DETAIL 31, SHEET C4.3
- DRIVE-THRU ISLAND CURB PER DETAIL 29, SHEET C4.3
- CONSTRUCT SIDEWALK WITH 6" CURB SECTION PER DETAIL 12, SHEET C4.1
- INSTALL RIP-RAP (D50=3", T=6") LINED SWALE PER DETAIL 30, SHEET C4.3
- CONSTRUCT TRASH ENCLOSURE FOUNDATION PER DETAIL 19, SHEET C4.2
- CONSTRUCT PRECAST CONCRETE WHEEL STOP PER CCAUSD DWG NO. 238-SEE DETAIL 27, SHEET C4.3
- CONSTRUCT TRUNCATED DOMES PER DETAIL 10, SHEET C4.1
- CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL 9, SHEET C4.1
- INSTALL SIDEWALK UNDERDRAIN PER CCAUSD DWG NO. 236
- CONSTRUCT 3" VALLEY GUTTER PER DETAIL 45, SHEET C4.1
- ROOF DRAIN SPILL TO GRADE WITH 3'x6" RIP-RAP PAD; D50=6" THICKNESS=12"
- ROOF DRAIN TO SPILL THROUGH CURB WITH CURB-O-LET PER DETAIL 45, SHEET C4.5
- PROPOSED LANDSCAPING PER SEPARATE LANDSCAPE PLANS
- MATCH EXISTING
- EXISTING SIGHT VISIBILITY ZONE



BENCHMARK

7LV00 325SW6: A RIVET AND PLATE IN THE TOP CURB AT THE NORTHWEST CORNER OF RAMPART BOULEVARD AND CHARLESTON BOULEVARD = 837.425m = 2,747.45ft (NAVD88).

BASIS OF BEARING

NORTH 89°26'21" EAST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 32, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, STATE OF NEVADA, AS SHOWN BY THE MAP RECORDED IN FILE 36 OF SURVEYS, PAGE 89 IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

FLOOD ZONE NOTE

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) PANEL NUMBER 32003C2145F, EFFECTIVE NOVEMBER 16, 2011, INDICATE THAT THE PROJECT SITE IS LOCATED IN ZONE "X" ZONE "X" IS DEFINED BY FEMA AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

DRAINAGE CERTIFICATION

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT, DS-5100

TREASEA WOLF, PE No. 17879 DATE: 11/12/19

CLV #: L19-00772 H #: 107v7084

EARTHWORK QUANTITIES

CUT	FILL	NET
3,842 CY	186 CY	3,656 CY (CUT*)

*RAW NUMBERS; HAVE NOT BEEN ADJUSTED FOR SOIL TYPE

LEGEND & ABBREVIATIONS

SEE SHEET C0.3 FOR MASTER LEGEND AND ABBREVIATIONS.

LEGAL DESCRIPTION

SEE COVER SHEET FOR FULL LEGAL DESCRIPTION

NOTES:

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

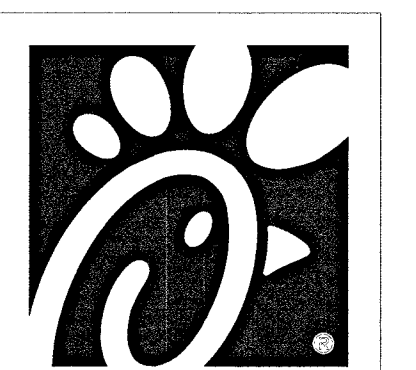
OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

GRADING NOTE:

PER THE SOILS REPORT, POSITIVE DRAINAGE OF 5% MINIMUM IN LANDSCAPE AREAS AND 2% MINIMUM ELSEWHERE SHALL BE MAINTAINED FOR AREAS ADJACENT TO STRUCTURES. THE 2% SHOULD BE MAINTAINED A DISTANCE OF 10' IN AREAS WHERE ADA IS ADJACENT TO THE BUILDING, SLOPES LESS THAN 2% ARE ACCEPTABLE.

ELEVATION NOTE:

ADD 2700 FEET TO ALL SPOT ELEVATIONS, EXCEPT FINISHED FLOOR ELEVATIONS AND CONTOURS.

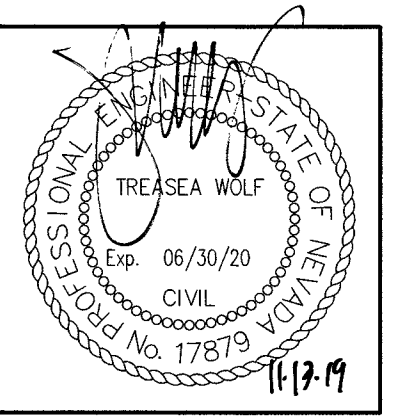


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CHARLESTON & FT. APACHE
8975 W CHARLESTON BLVD
LAS VEGAS, NV 89117

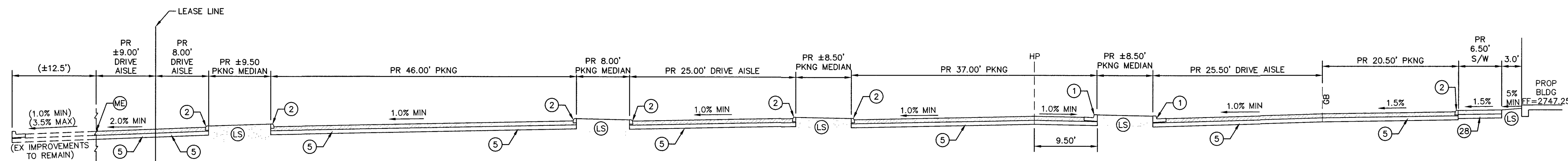
FSR# 4293

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
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AGENCY #	L19-00772
PROJECT #	092980812
PRINTED FOR	PERMIT
DATE	11/12/19
DESIGN BY	JZ
DRAWN BY	CT
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SHEET GRADING PLAN	
SHEET NUMBER	

C3.0



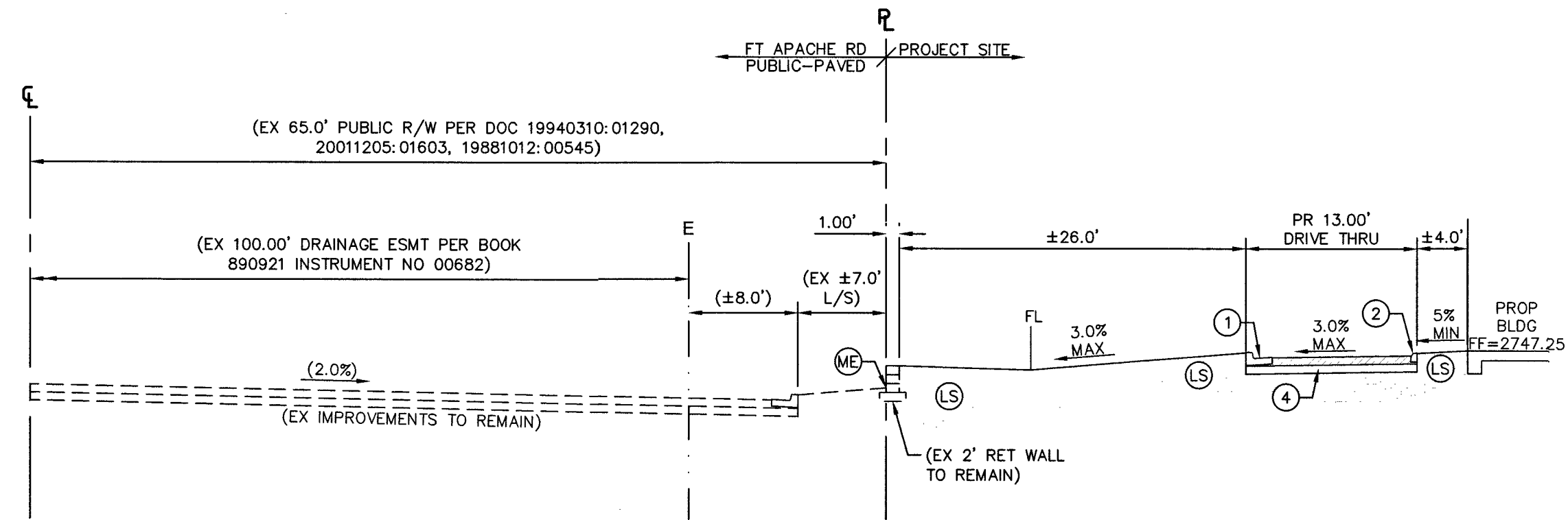
A
C3.1

SECTION A - SOUTH OF BLDG

NTS

CONSTRUCTION NOTES

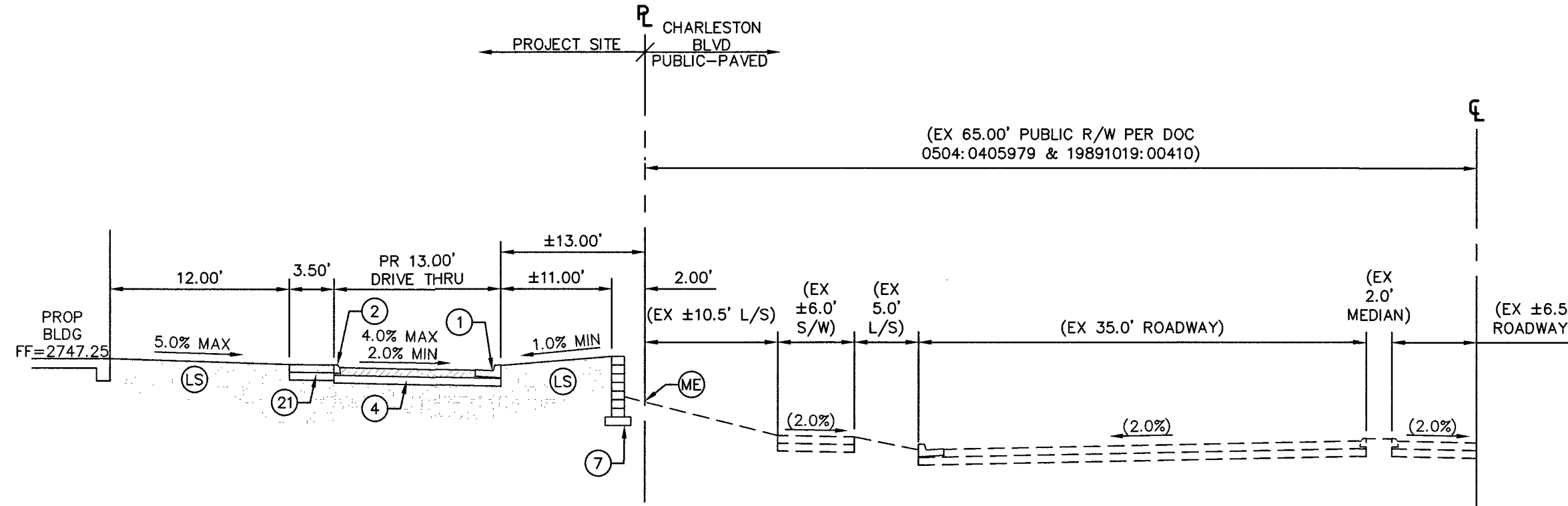
- ① CONSTRUCT "L" TYPE CURB & GUTTER PER DETAIL 17, SHEET C4.2
- ② CONSTRUCT "A" TYPE CURB PER DETAIL 8, SHEET C4.1
- ③ CONSTRUCT SIDEWALK PER DETAIL 11, SHEET C4.1
- ④ CONSTRUCT CONCRETE PAVING DRIVE-THRU LANE PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 24, SHEET C4.3
- ⑤ CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY TERRACON CONSULTANTS. SEE DETAIL 21, SHEET C4.2
- ⑦ CONSTRUCT 5.33' MAX RETAINING WALL PER SEPERATE ARCHITECTURAL PLANS AND DETAILS BY OTHERS
- ②① CONSTRUCT SIDEWALK WITH 6" CURB SECTION PER DETAIL 12, SHEET C4.1
- ②⑧ CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL 9, SHEET C4.1
- ⑤③ PROPOSED LANDSCAPING PER SEPERATE LANDSCAPE PLANS
- ME MATCH EXISTING



B
C3.1

SECTION B - WEST PROPERTY LINE

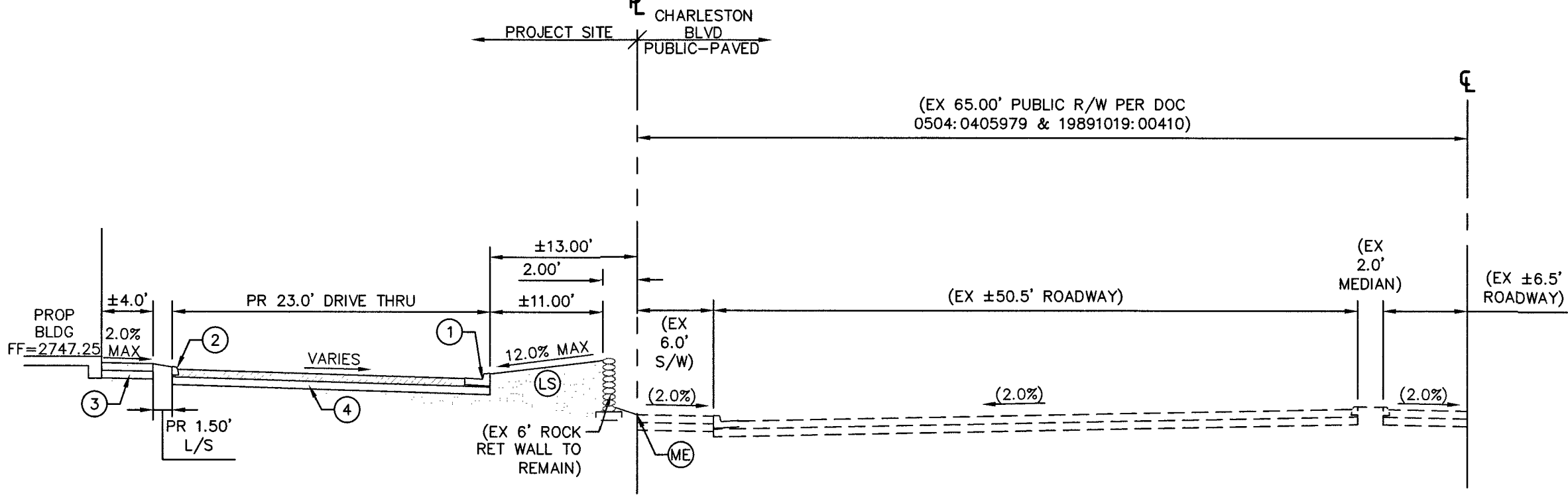
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C
C3.1

SECTION C - NORTH PROPERTY LINE

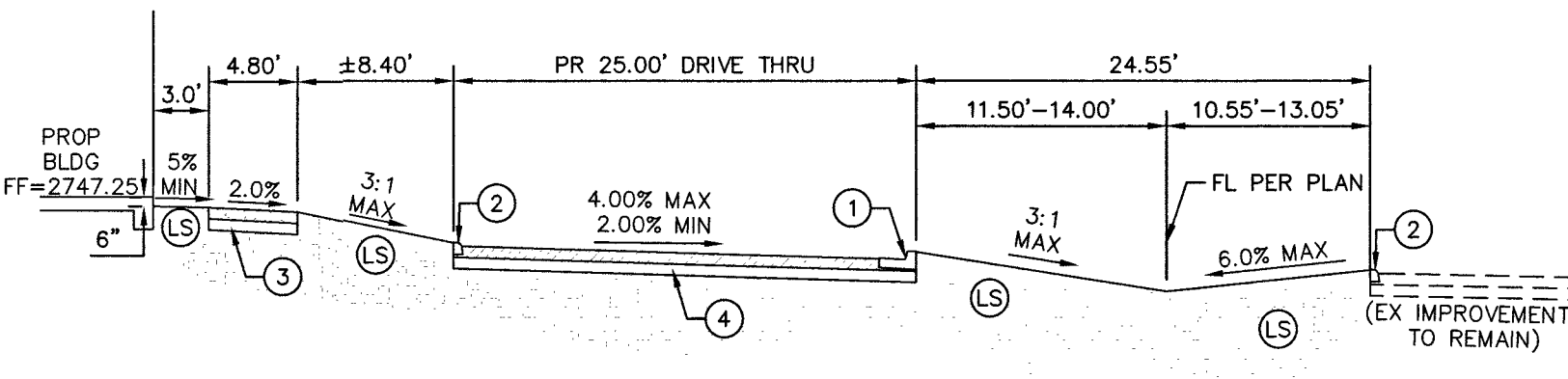
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D
C3.1

SECTION D - NORTH PROPERTY LINE

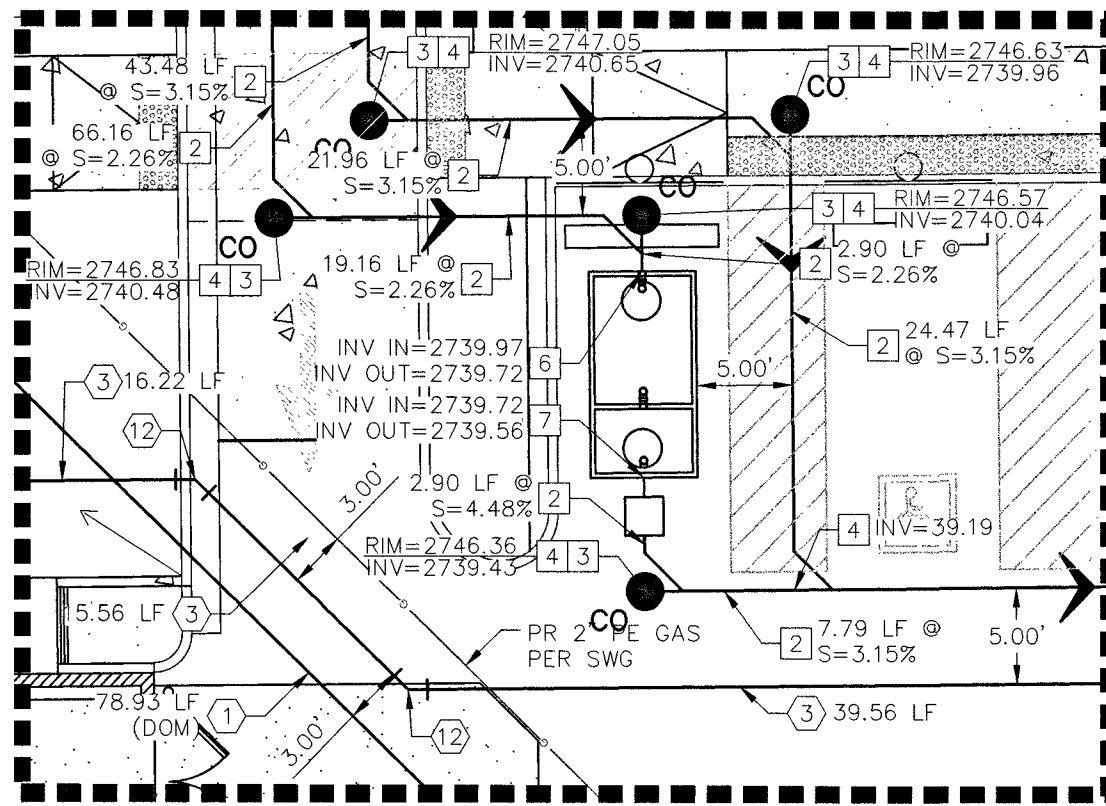
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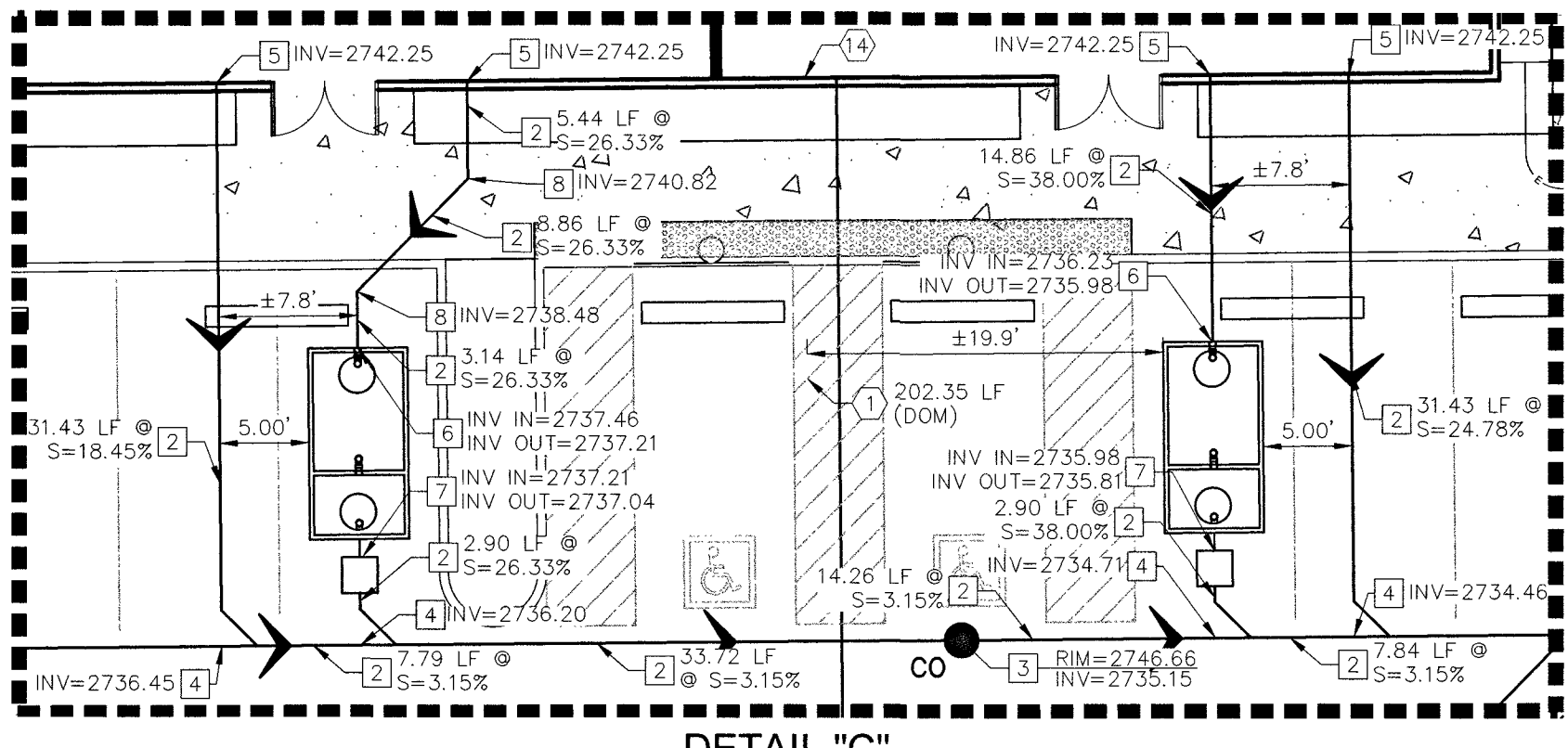
E
C3.1

SECTION E - EAST OF BLDG

NTS



DETAIL "B"
SCALE: 1"=10'



DETAIL "C"
SCALE: 1"=10'

WATER NOTES

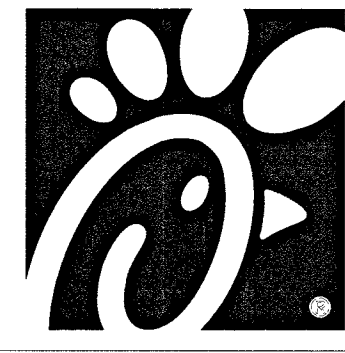
- ① INSTALL 2" PVC WL (PRIVATE)
- ③ INSTALL 3/4" SH 80 PVC WL (PRIVATE)
- ⑫ INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4
- ⑭ STUB & CAP-SEE PLUMBING PLANS FOR CONTINUATION

SEWER NOTES

- ② INSTALL 6" PVC SDR-35 SEWER LATERAL PER DCSWCS SD-21 (PRIVATE)-SEE DETAIL 36, SHEET C4.4
- ③ INSTALL 6" CLEAN OUT WITH TRAFFIC RATED LID PER DCSWCS SD-24 (PRIVATE)-SEE DETAIL 35, SHEET C4.4
- ④ INSTALL WYE & 45° BEND PER DCSWCS SD-21 (PRIVATE)-SEE DETAIL 36, SHEET C4.4
- ⑤ STUB AND CAP - SEE PLUMBING PLANS FOR CONTINUATION
- ⑥ INSTALL 1500 GAL GREASE INTERCEPTOR-JENSEN MODEL JP1500EE-G OR EQUIVALENT-SEE DETAIL 33, SHEET C4.4 (PER PLUMBING PLAN OR SEPERATE PERMIT)
- ⑦ INSTALL SAMPLE BOX WITH PIPE CONNECTION-JENSEN MODEL 2432-Z OR EQUIVALENT-SEE DETAIL 34, SHEET C4.4
- ⑧ INSTALL 45° HORIZONTAL BEND SAME SIZE AS LINE

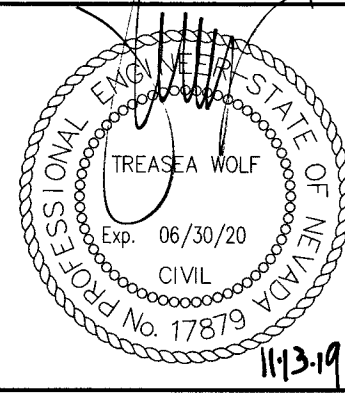
CLV #: L19-00772

H #: 10707094



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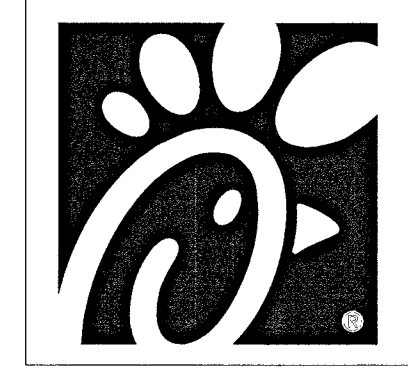
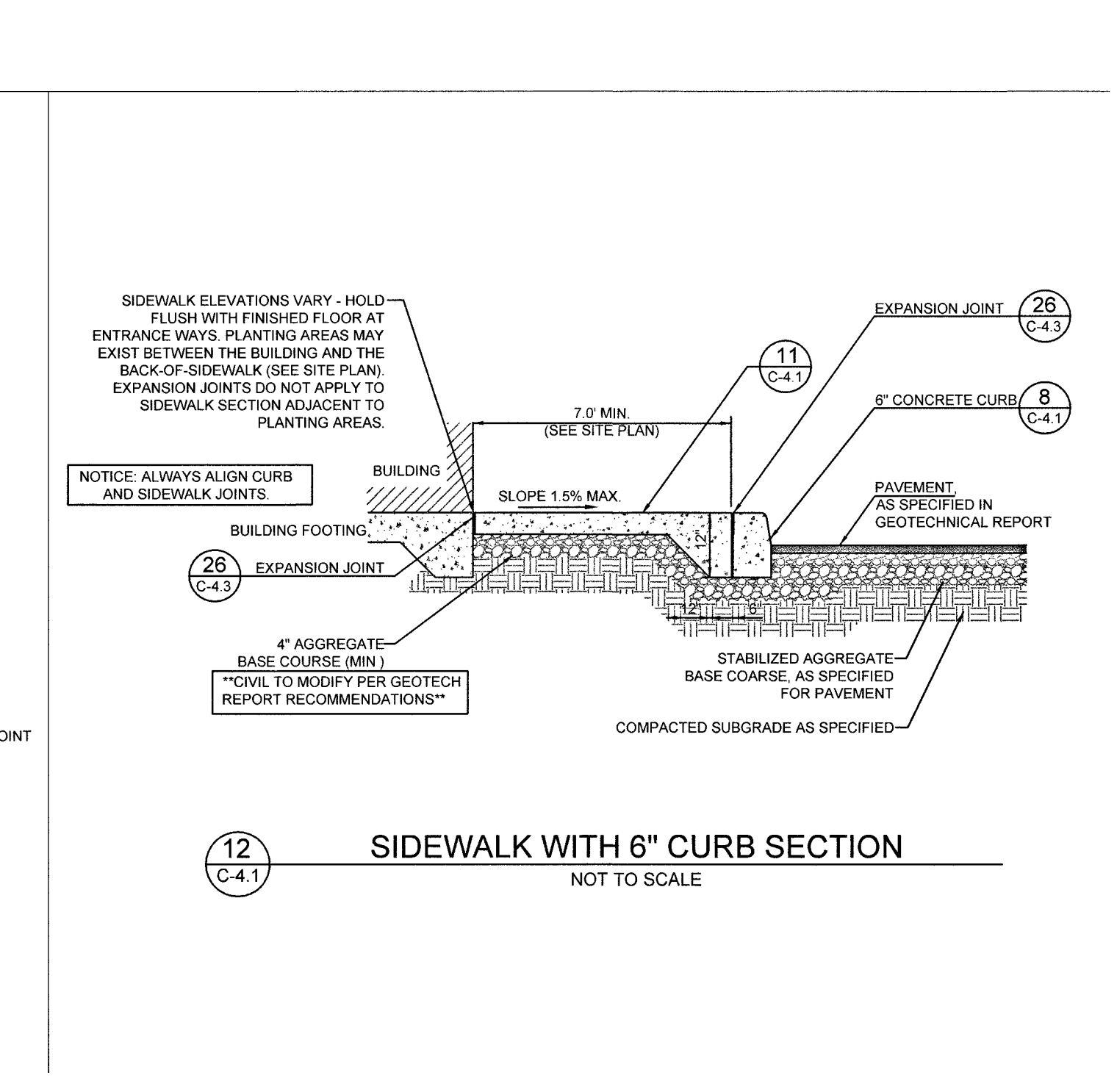
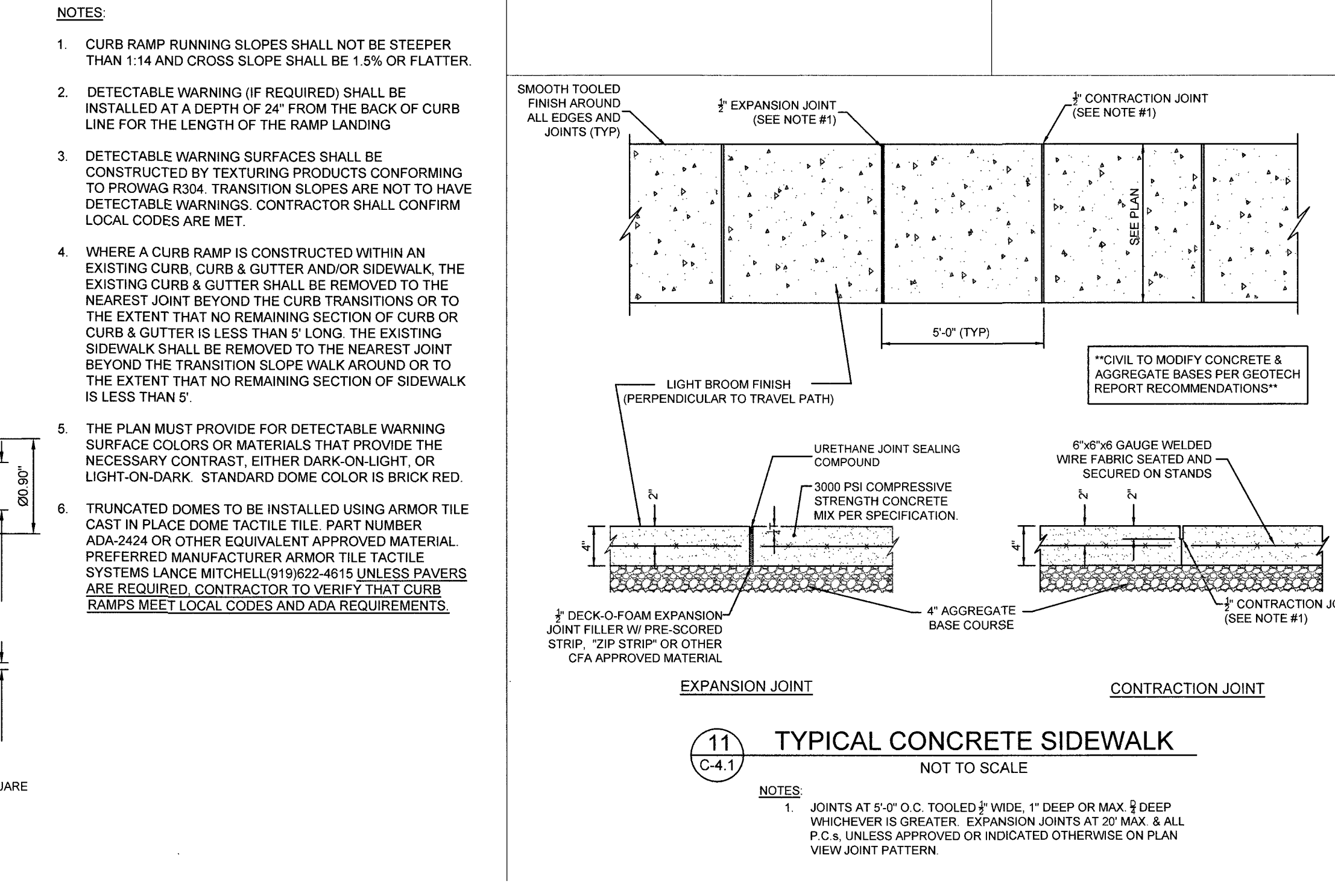
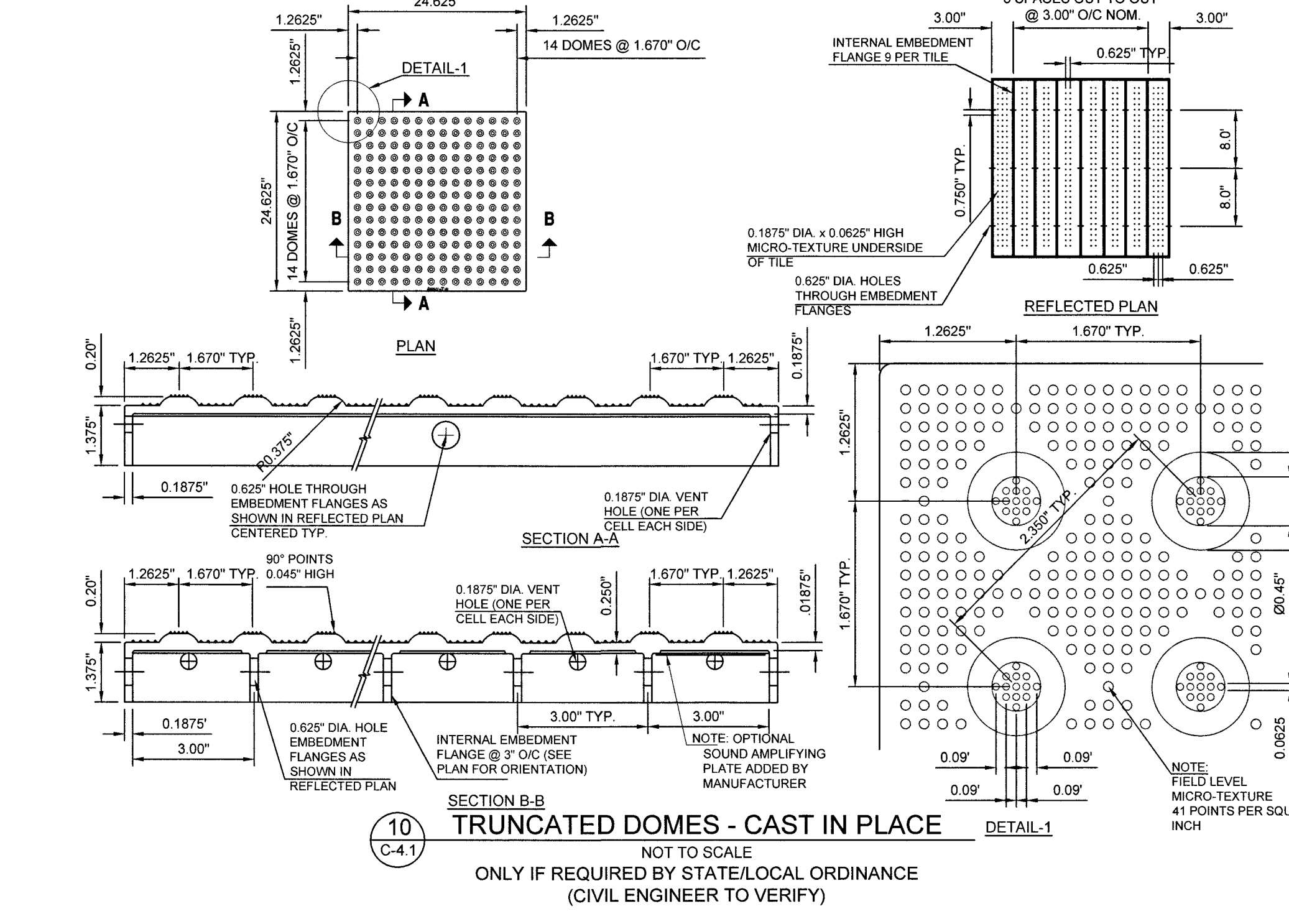
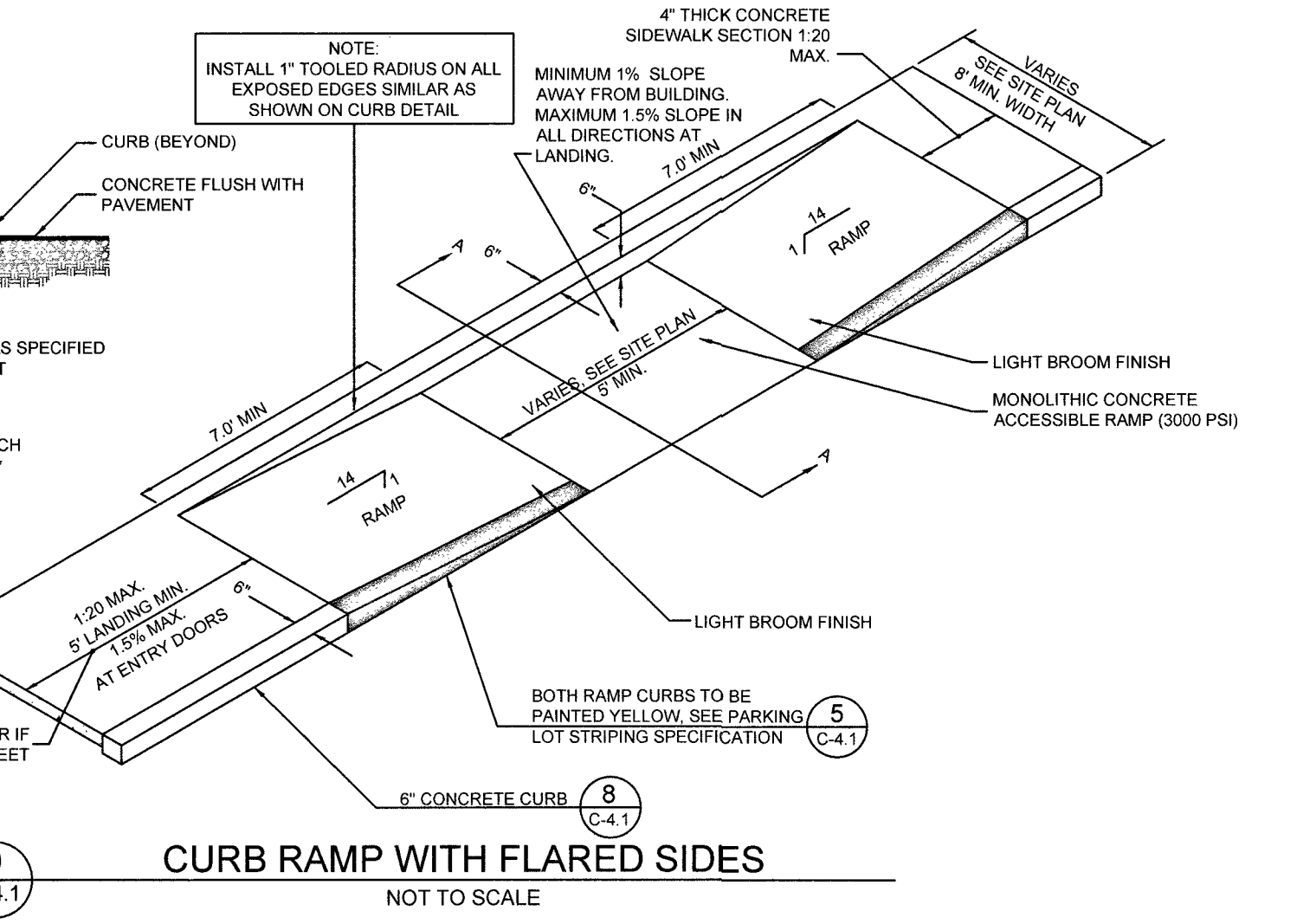
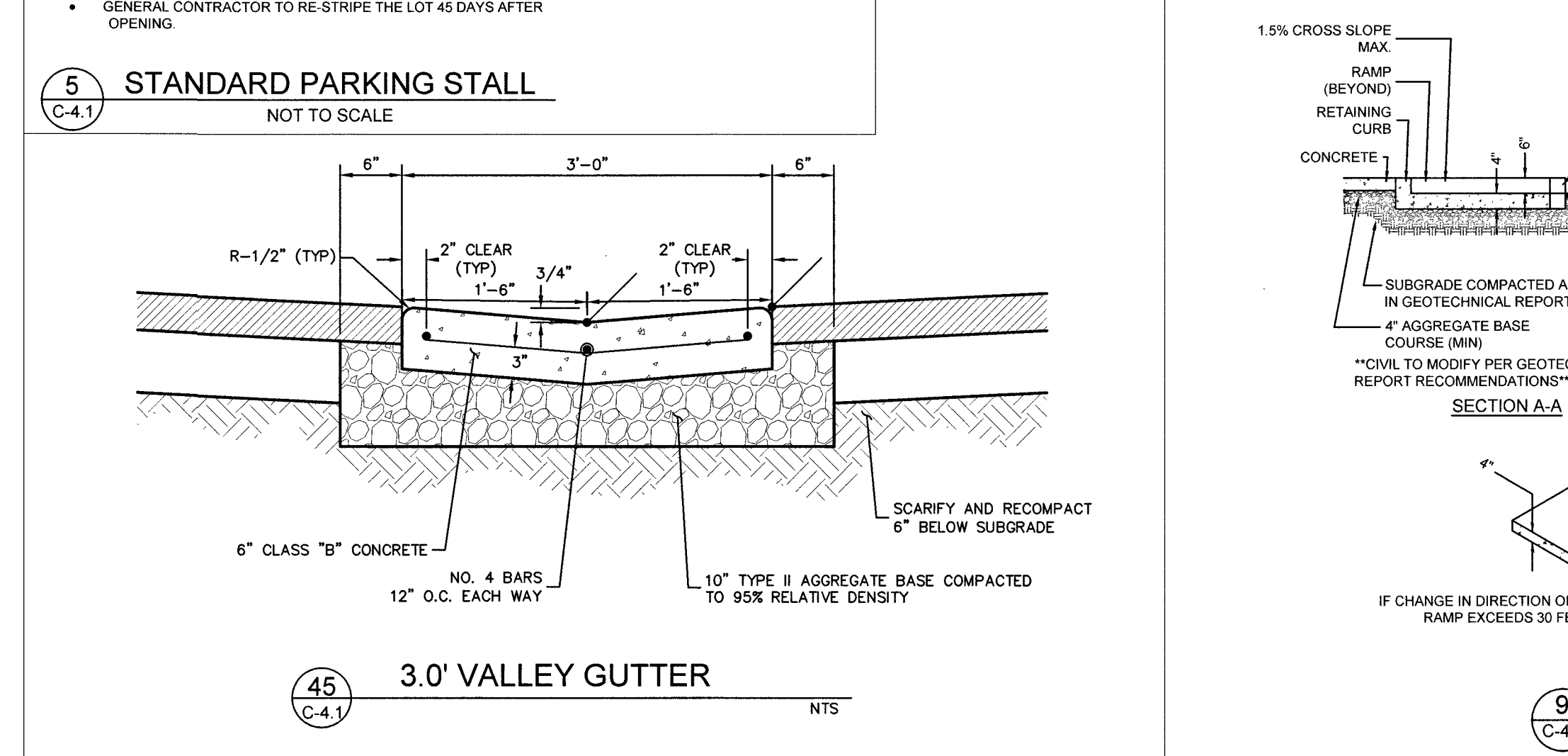
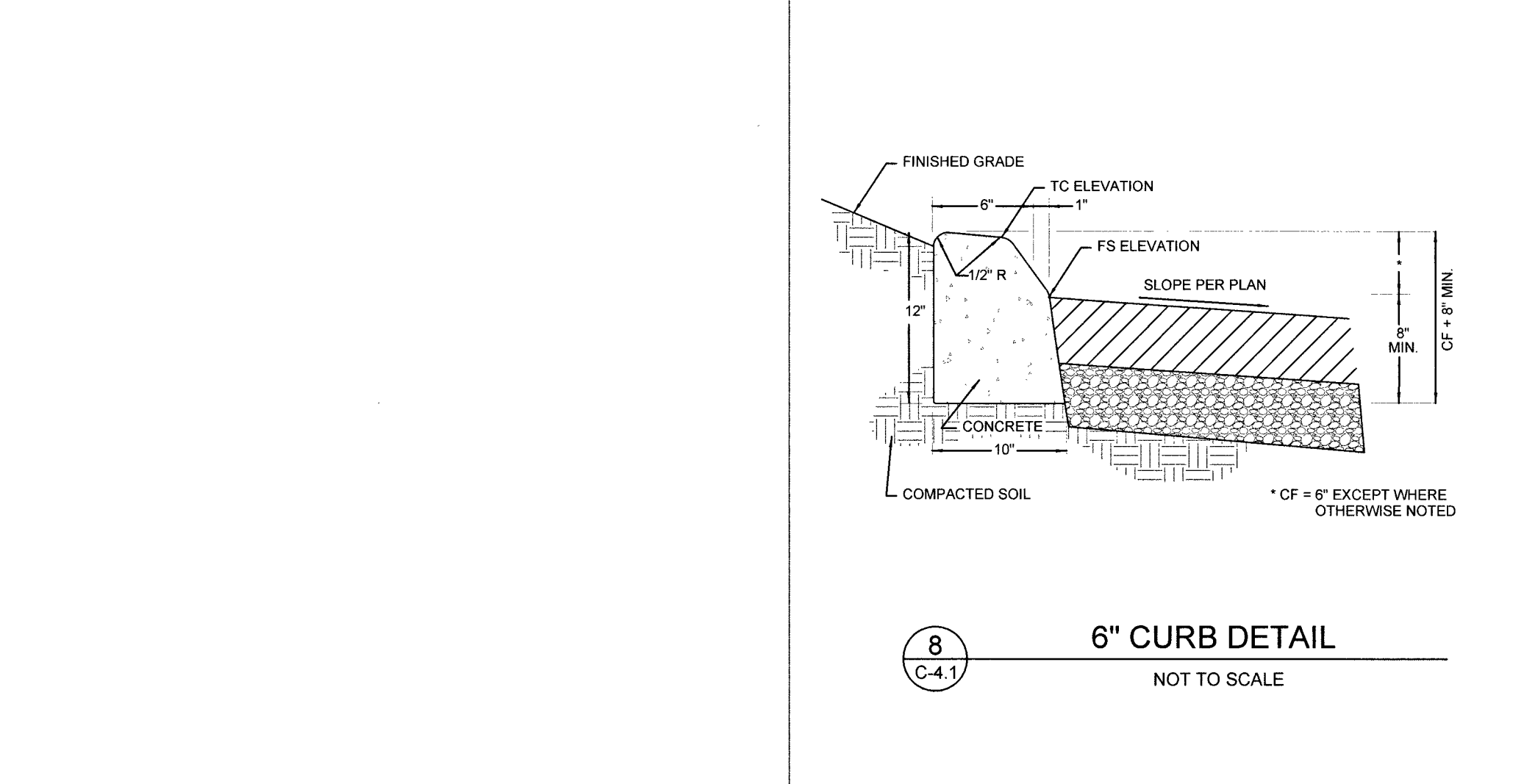
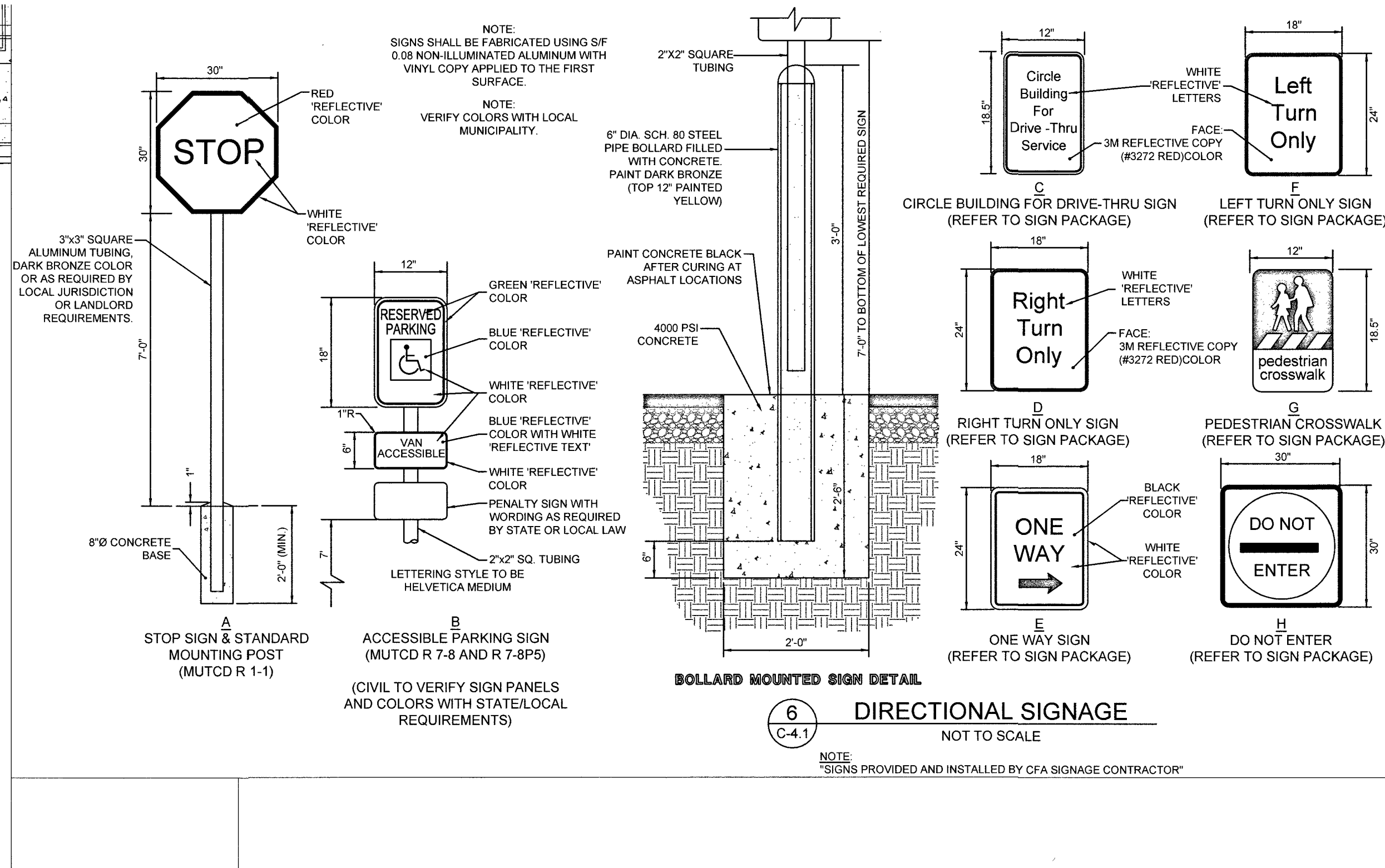
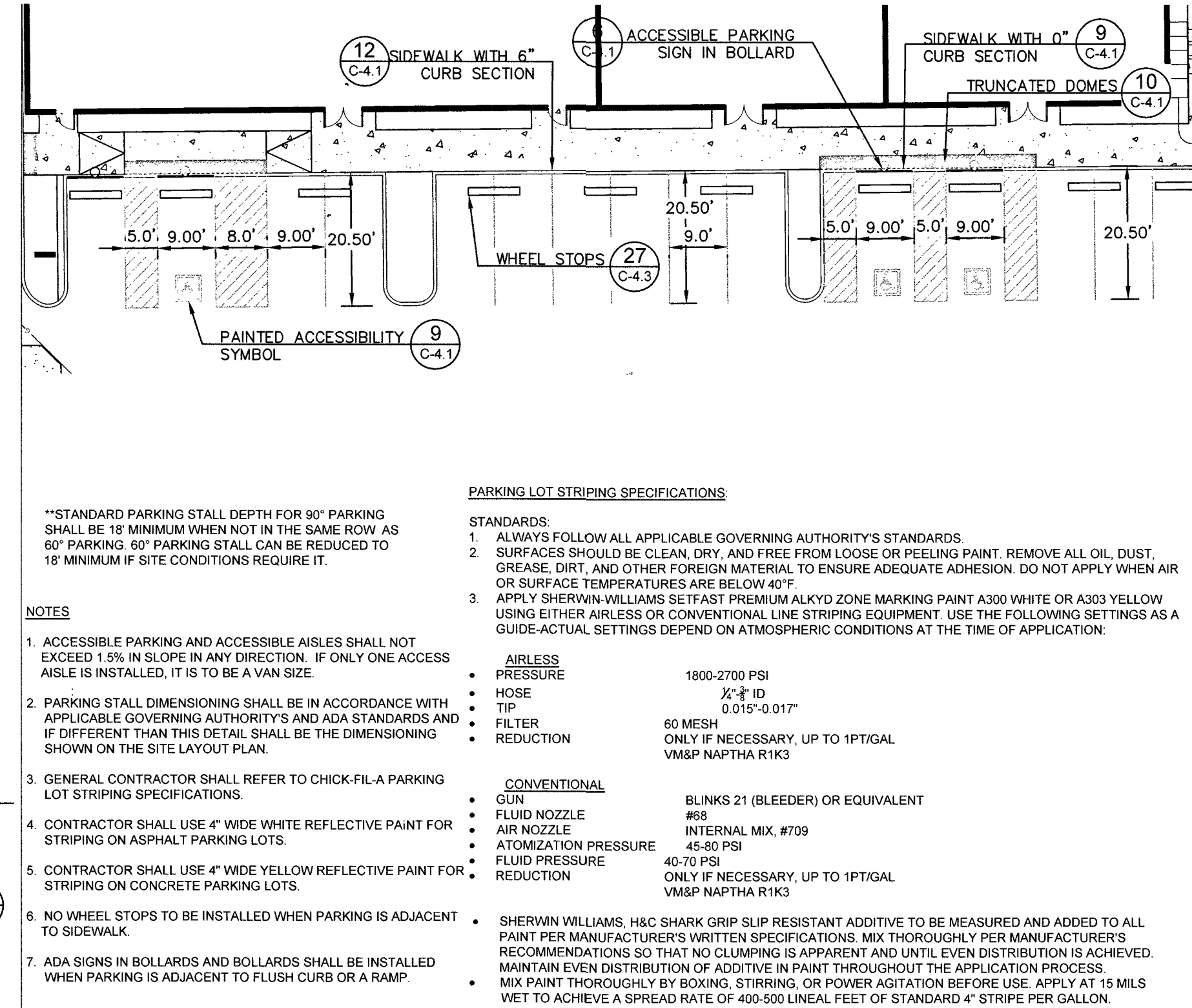
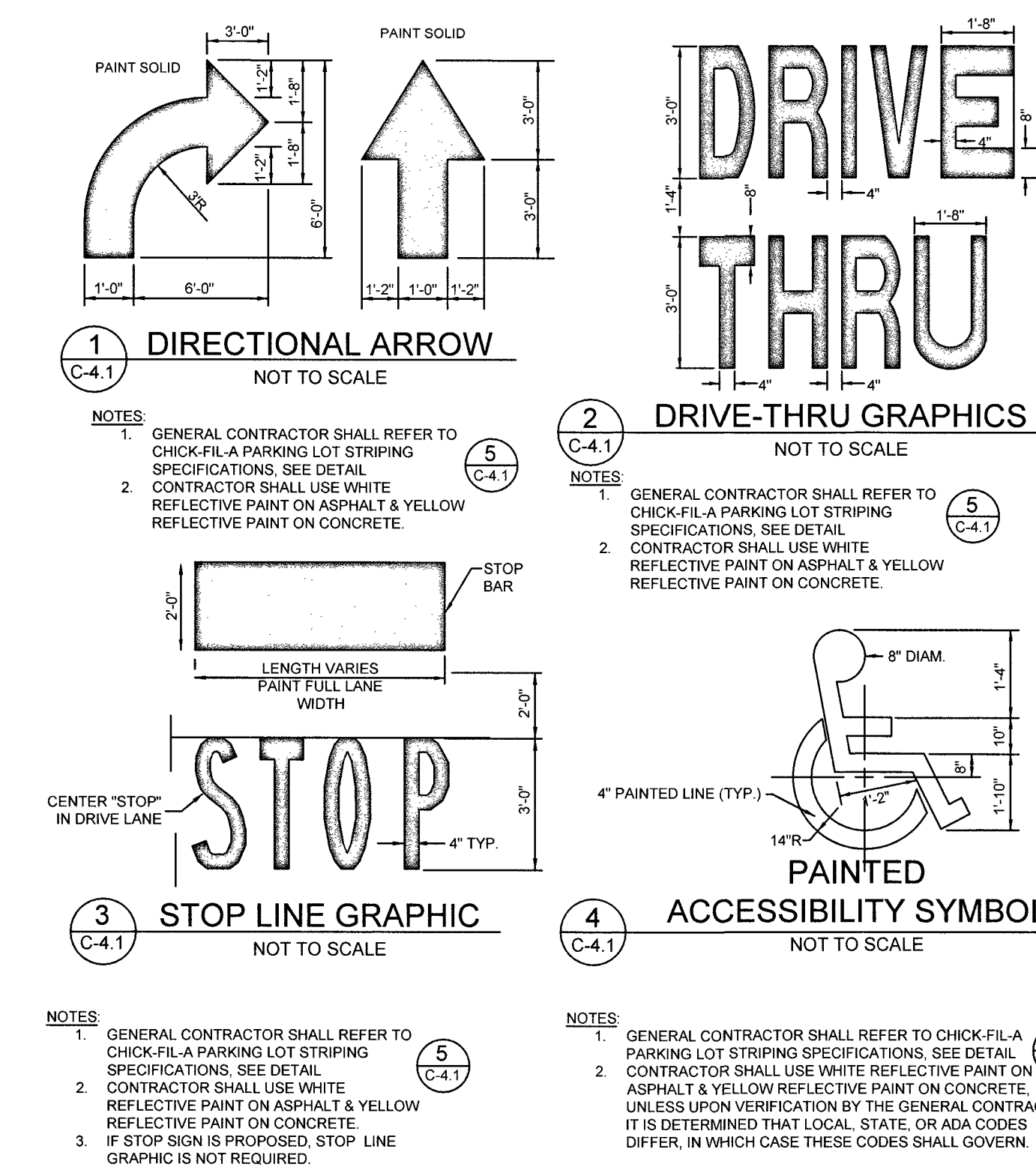
FSR# 4293

REVISION SCHEDULE	
NO.	DATE DESCRIPTION

AGENCY #	L19-00772
PROJECT #	082908012
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DESIGN BY	JZ
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SHEET TYPICAL SECTIONS	

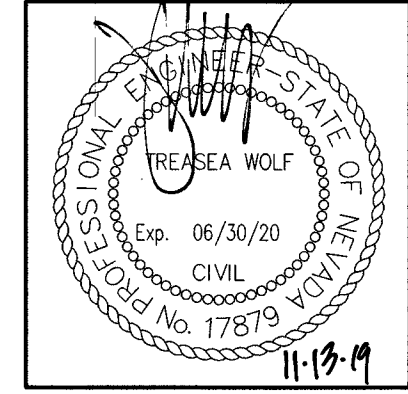
SHEET NUMBER

C3.1



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REVISION SCHEDULE
NO. DATE DESCRIPTION

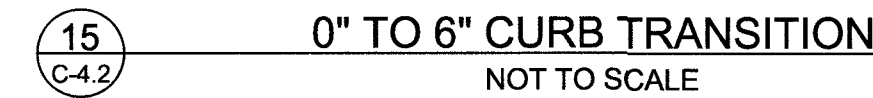
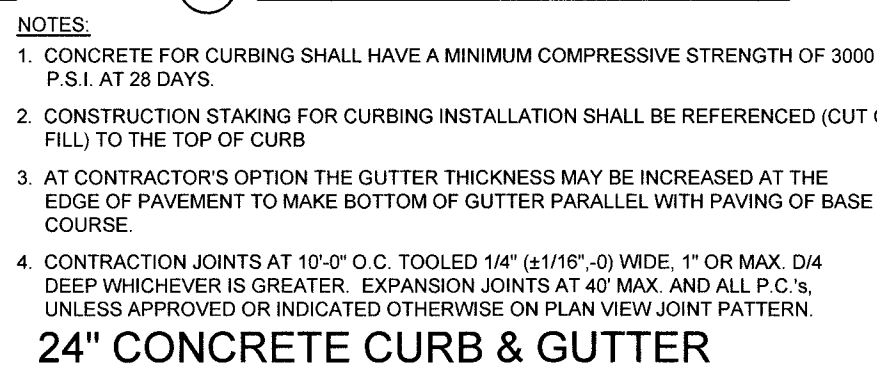
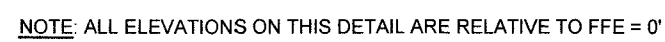
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SHEET
TYPICAL DETAILS 1

SHEET NUMBER

CLV #: L19-00772

H #: 10707084

C4.1

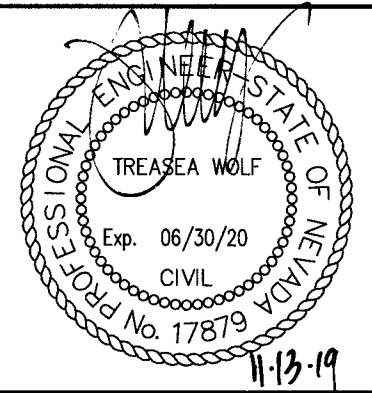




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REVISION SCHEDULE
NO. DATE DESCRIPTION

AGENCY # L19-00772

PROJECT # 082908012

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DATE 11/12/19

DESIGN BY JZ

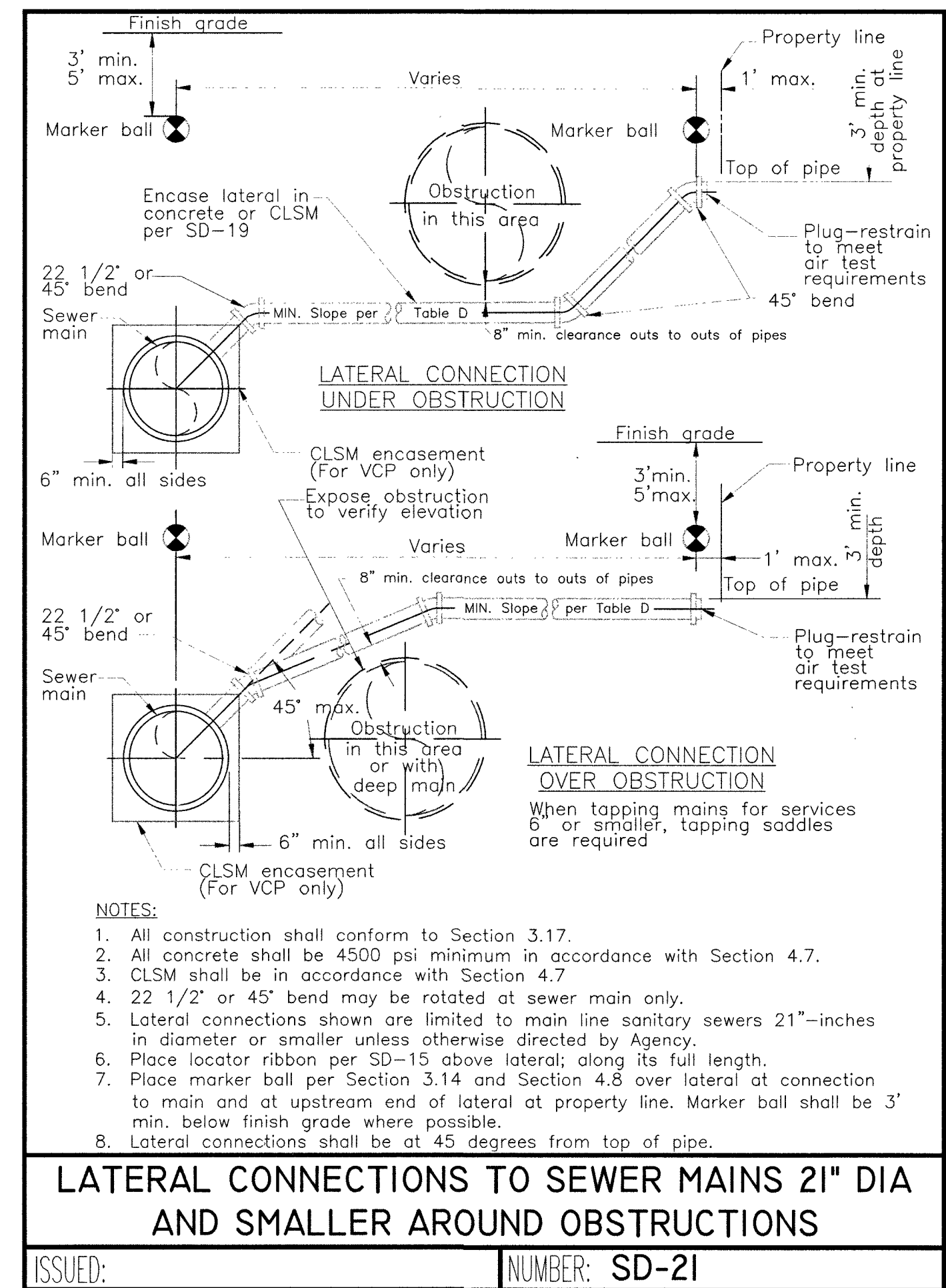
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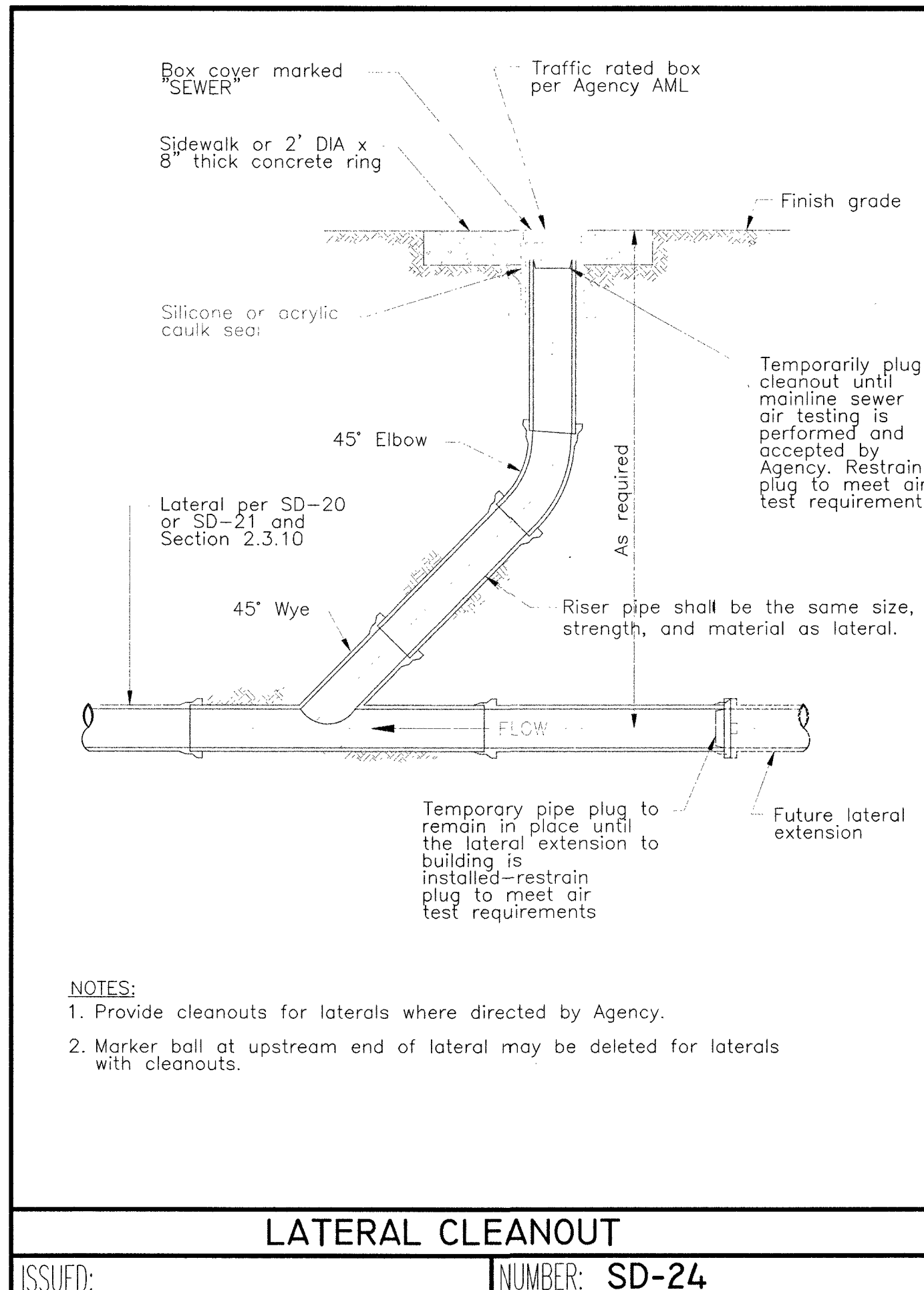
SHEET TYPICAL DETAILS 4

SHEET NUMBER

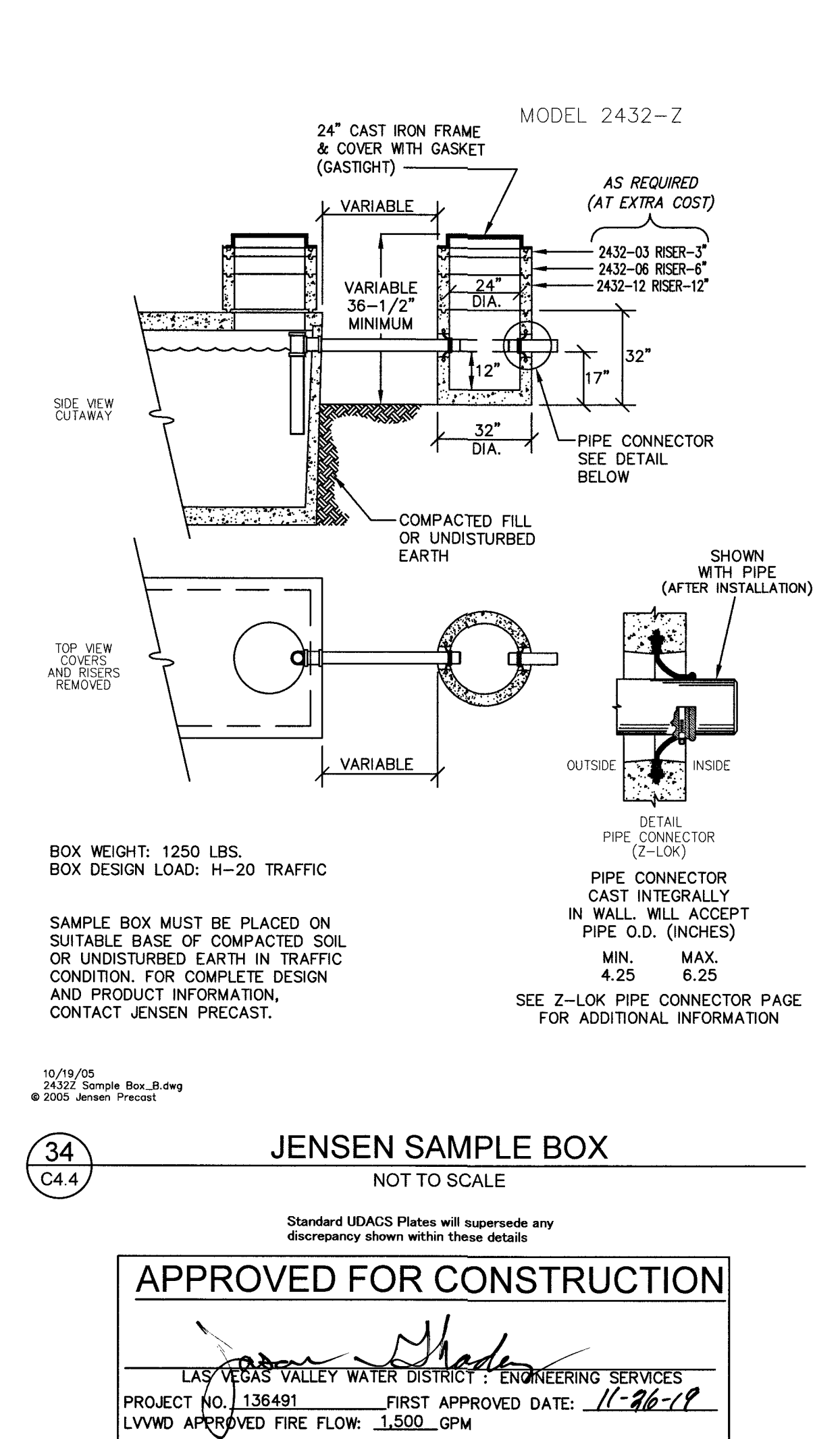
C4.4



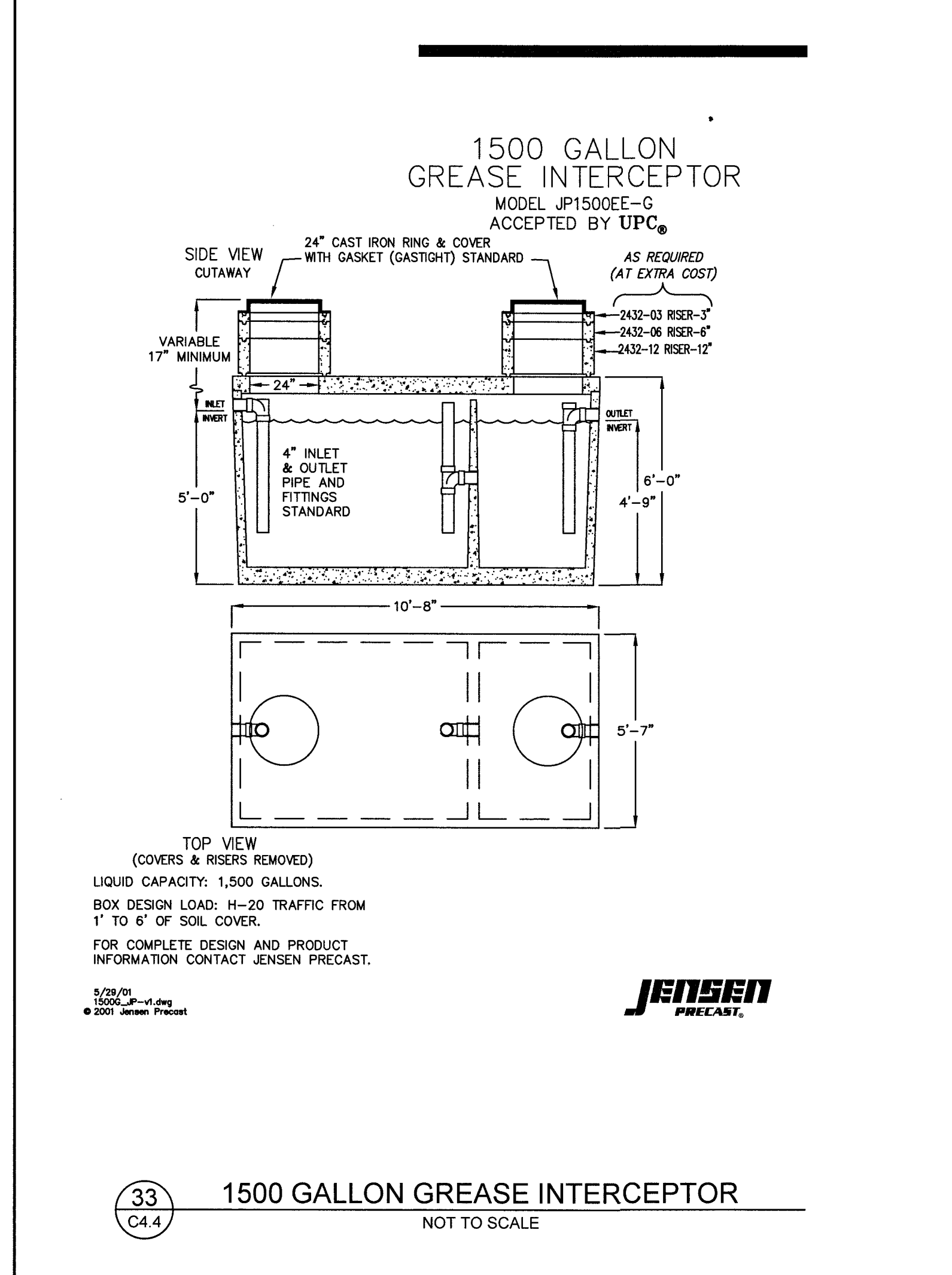
36 C4.4 LATERAL CONNECTION NOT TO SCALE



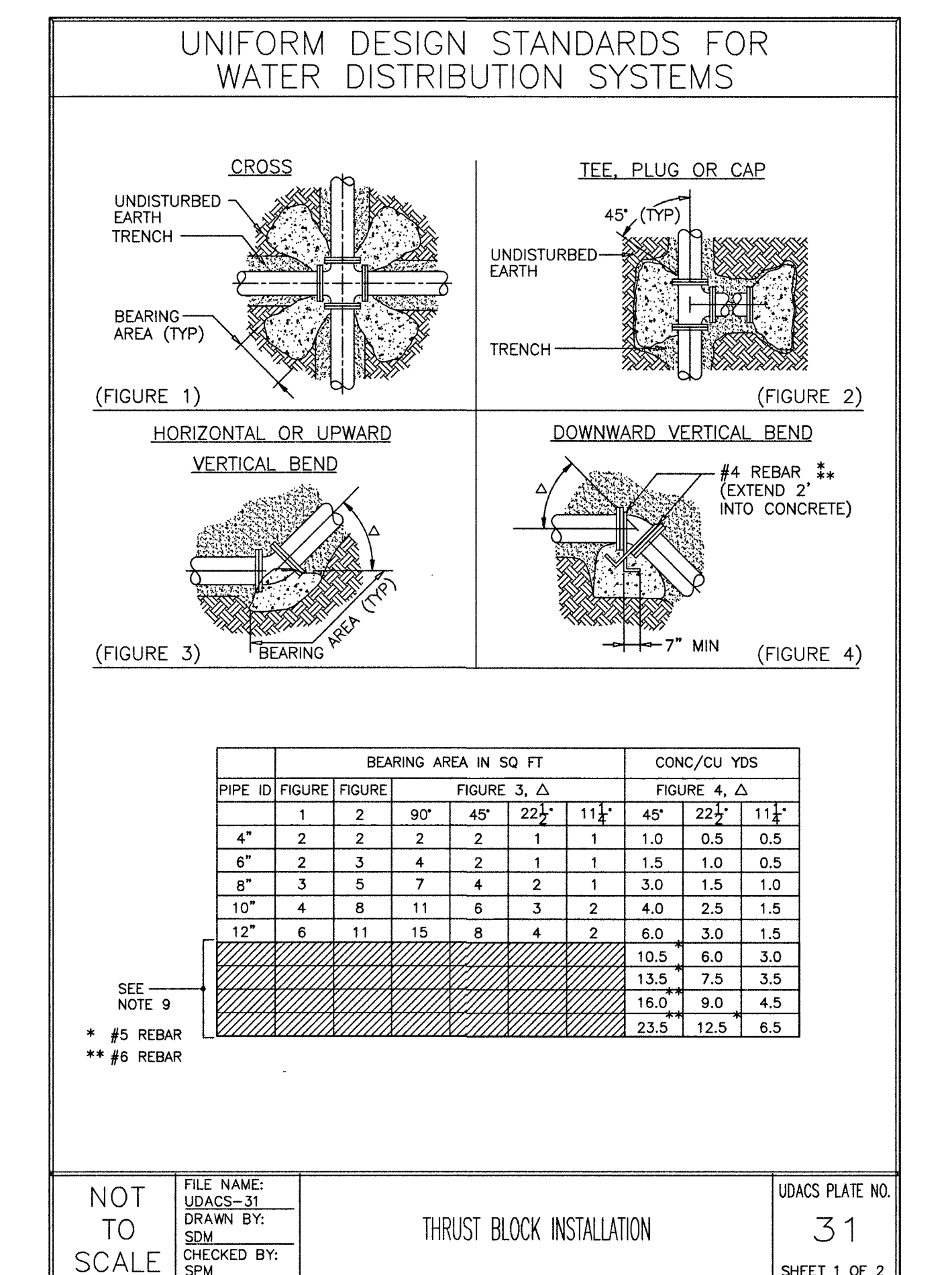
35 C4.4 LATERAL CLEANOUT NOT TO SCALE



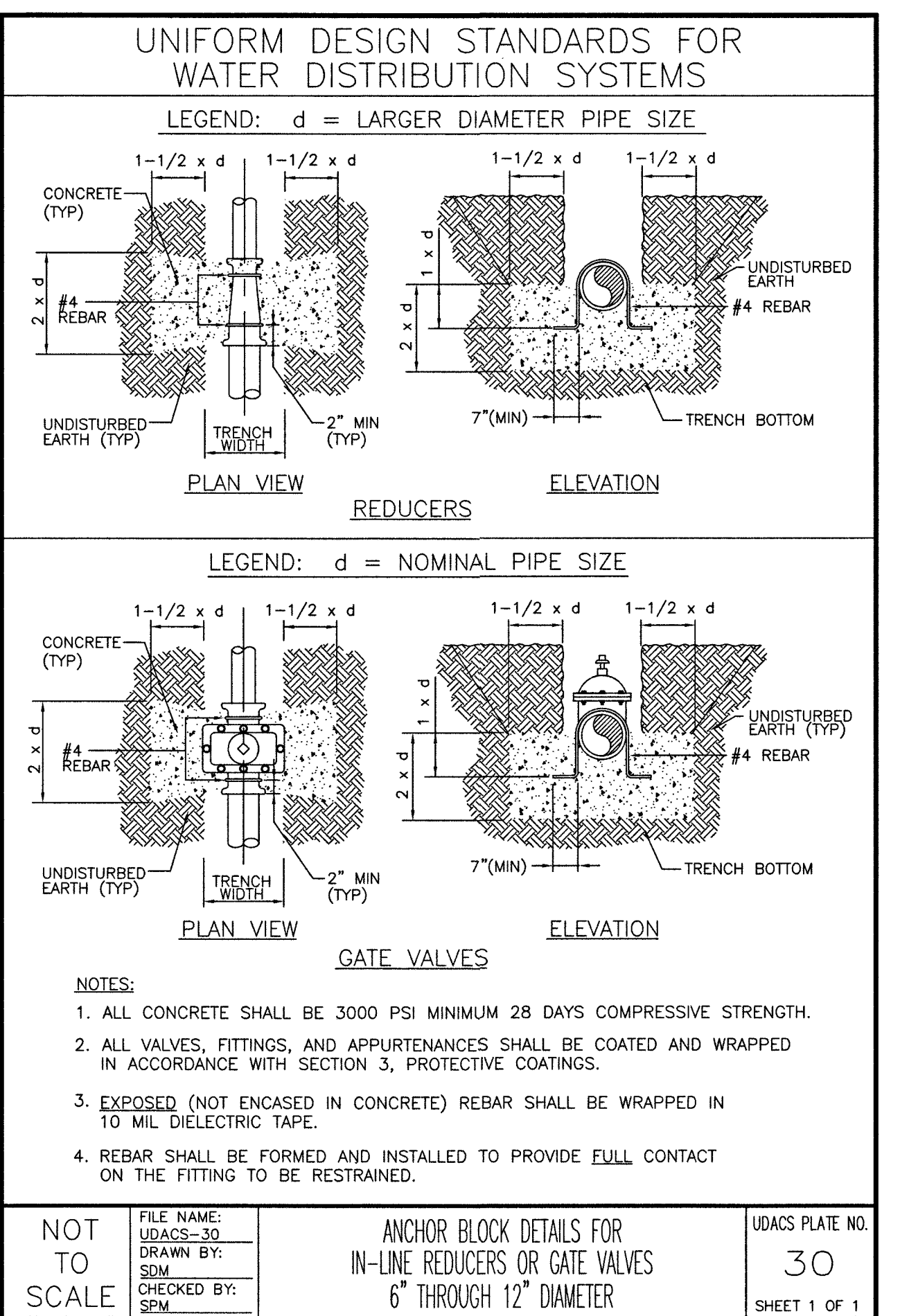
34 C4.4 JENSEN SAMPLE BOX NOT TO SCALE



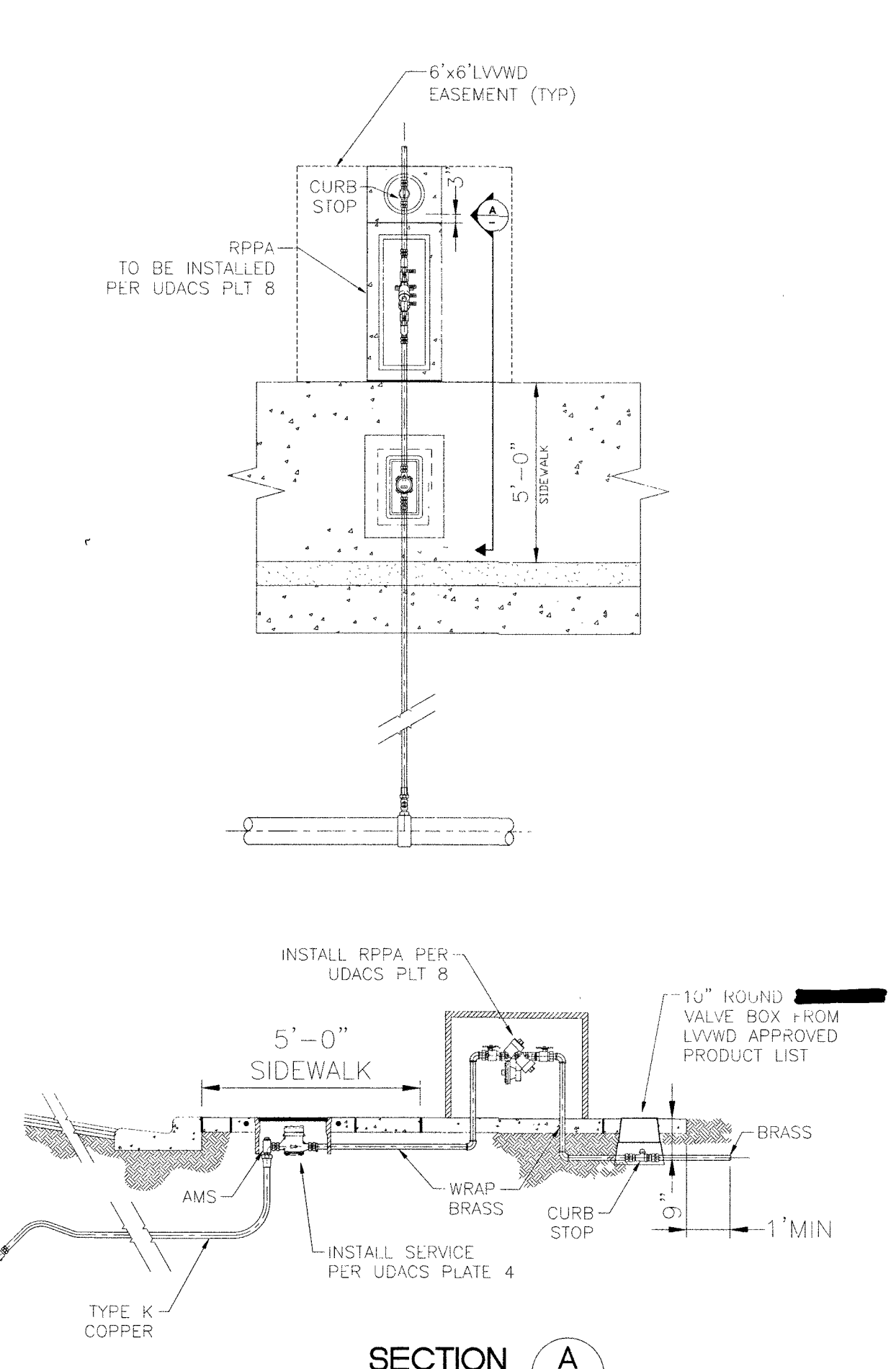
33 C4.4 1500 GALLON GREASE INTERCEPTOR NOT TO SCALE



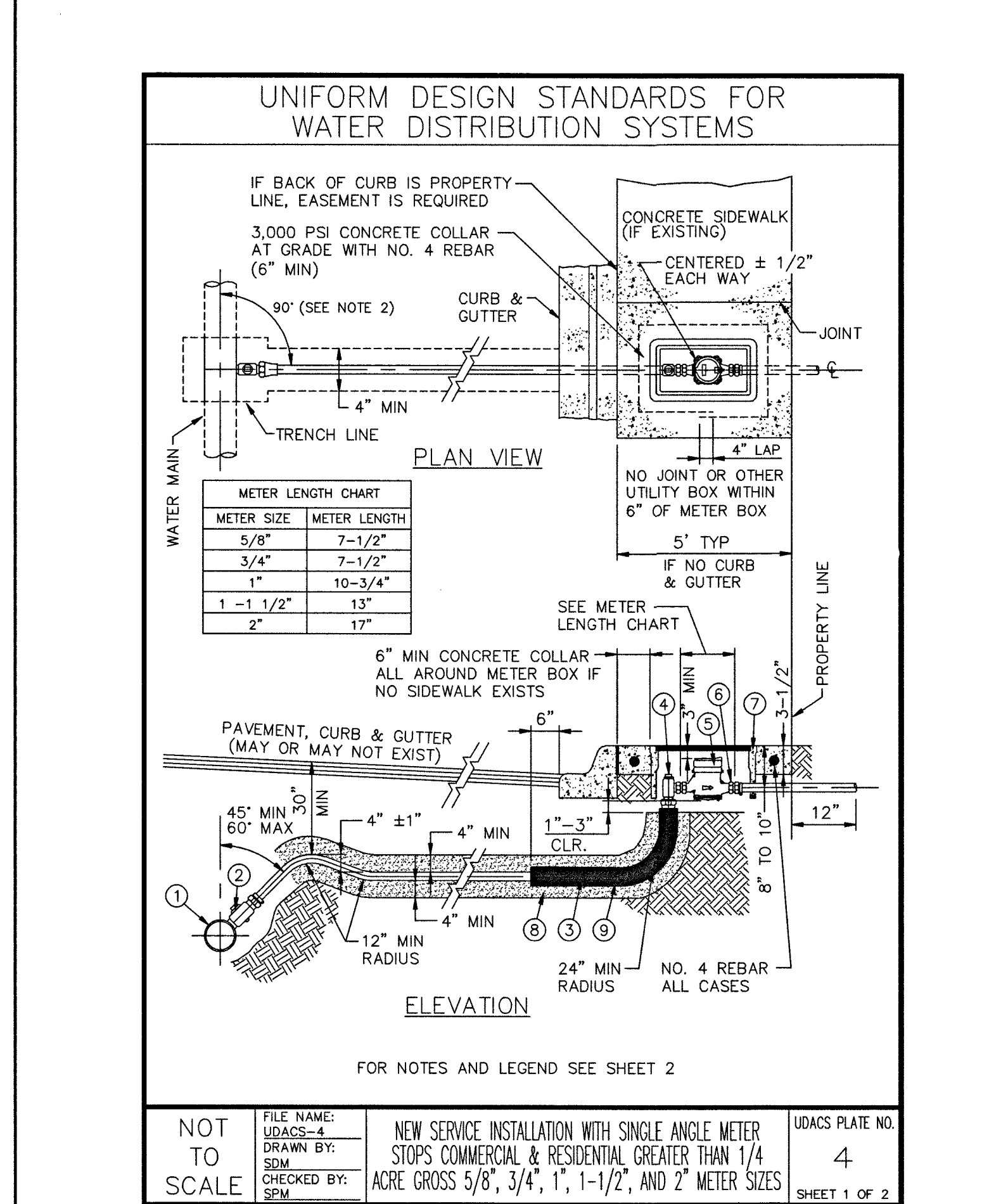
39 C4.4 UDACS PLATE NO. 30 NOT TO SCALE



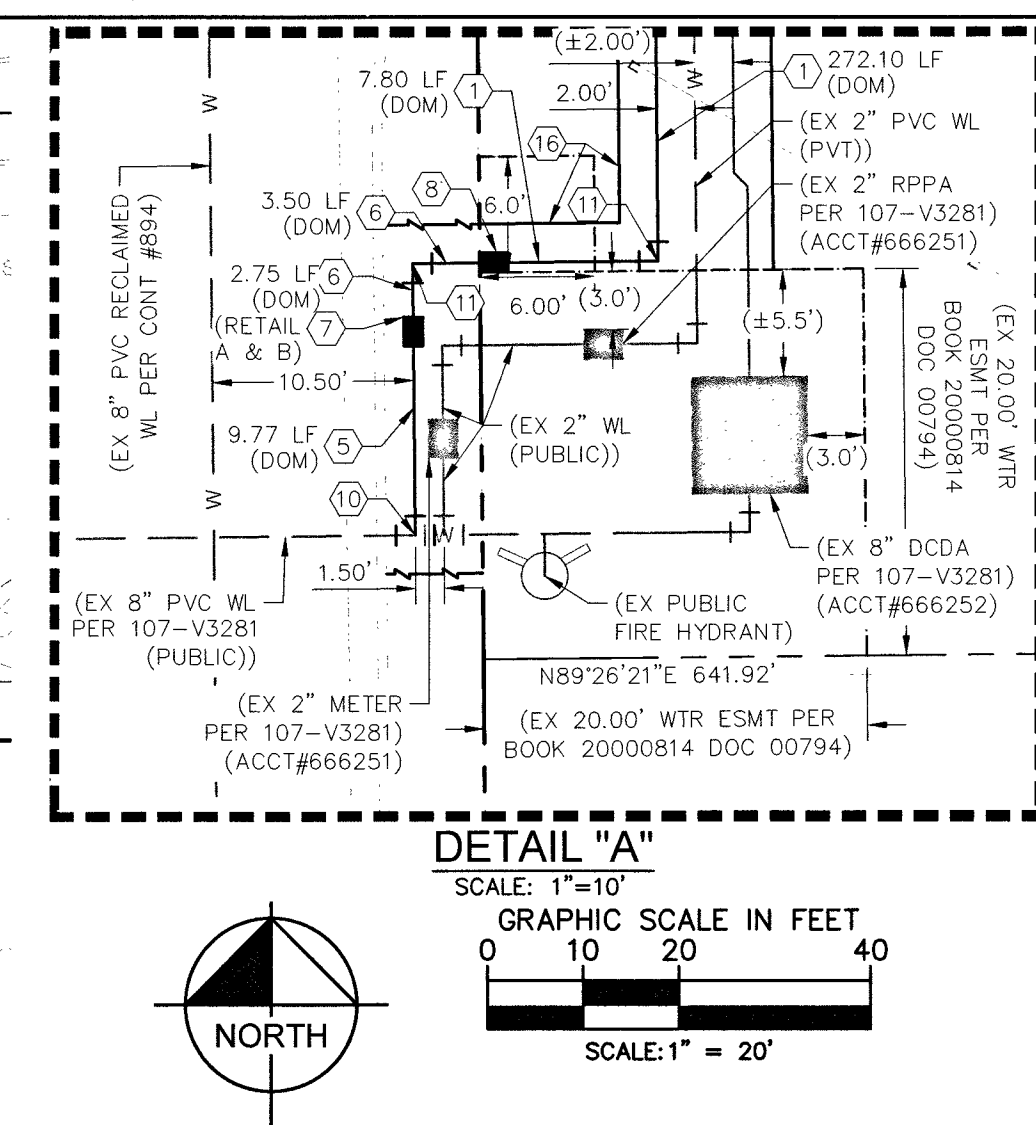
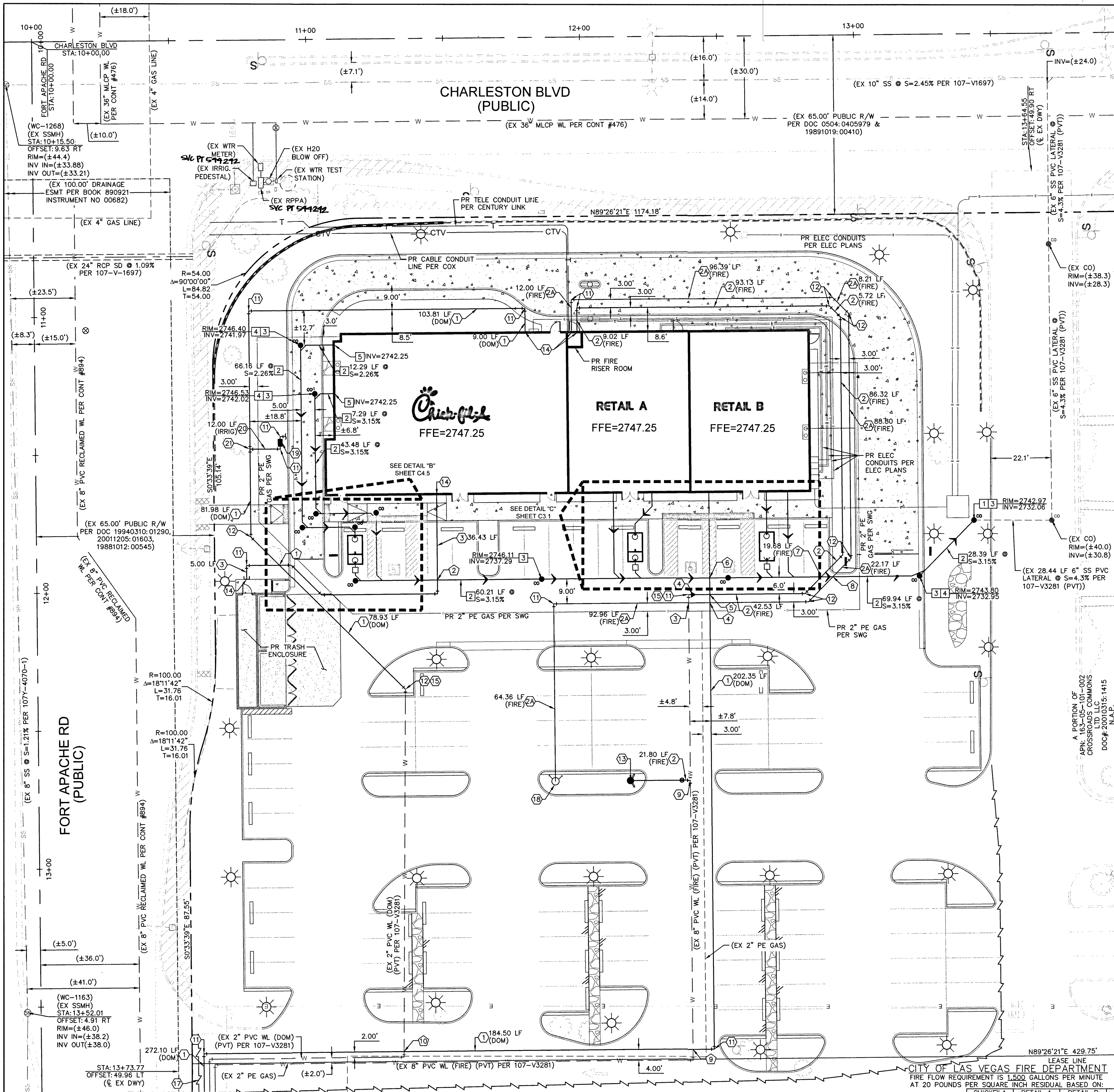
39 C4.4 UDACS PLATE NO. 30 NOT TO SCALE



38 C4.4 SMALL BACKFLOW INSTALLATION NOT TO SCALE



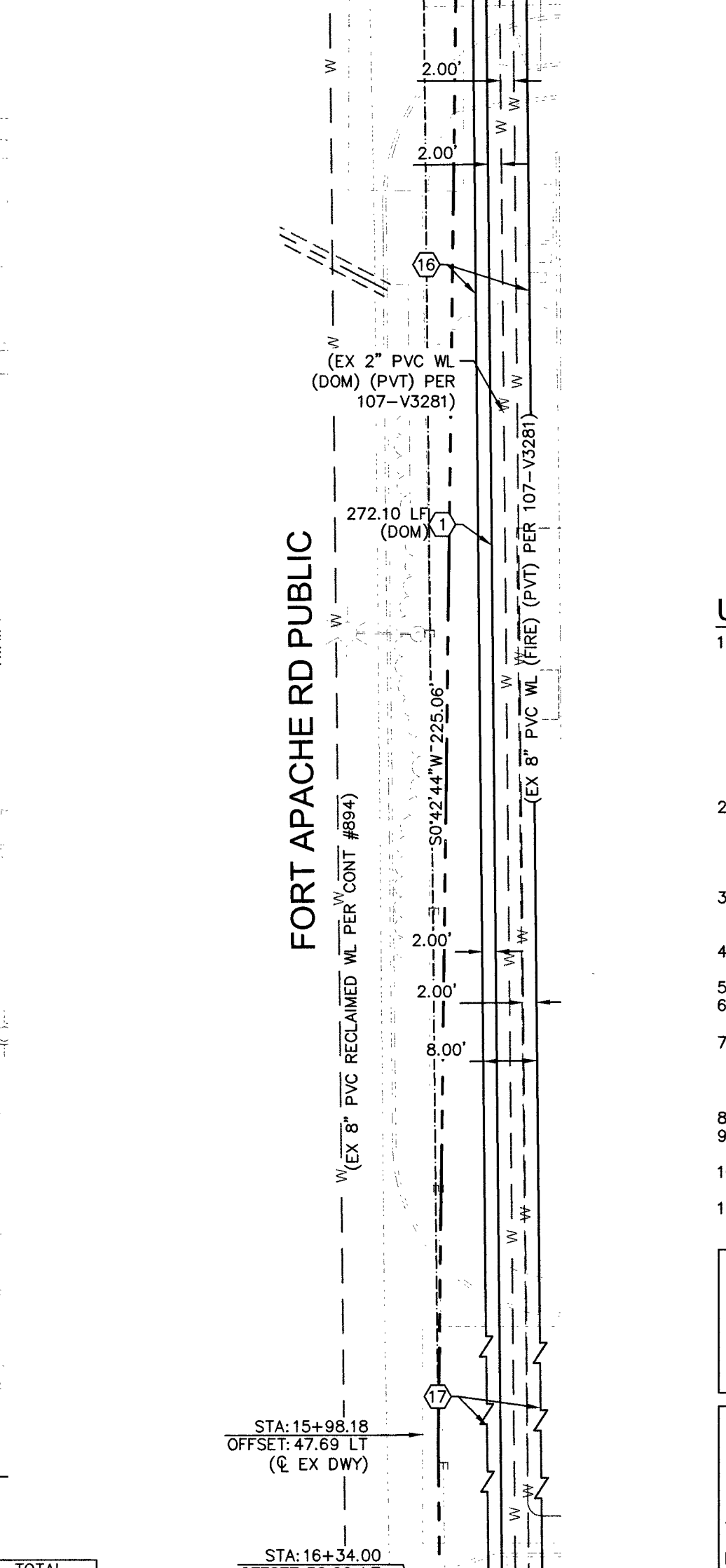
37 C4.4 UDACS PLATE NO. 4 NOT TO SCALE



CONSTRUCTION NOTES

30 REMOVE & REPLACE SIDEWALK

MATCHLINE - SEE BOTTOM LEFT



- WATER NOTES**
1. INSTALL 2" PVC WL (PRIVATE)
 2. INSTALL 6" PVC WL - C900, CLASS 150 (PRIVATE)
 3. INSTALL 6" PVC WL - CLASS 200 (PRIVATE)
 4. INSTALL 3/4" SH 80 PVC WL (PRIVATE)
 5. INSTALL 8"x6" REDUCER PER UDACS PLATE NO. 30-SEE DETAIL 39, SHEET C4.4
 6. INSTALL 2" COPPER WL
 7. INSTALL 2" BRASS WL
 8. INSTALL 2" METER FOR RETAIL A & B PER UDACS PLATE NO. 4-SEE DETAIL 37, SHEET C4.4
 9. INSTALL 2" RPPA FOR RETAIL A & B PER UDACS PLATE NO. 8-SEE DETAIL 38, SHEET C4.4
 10. INSTALL 8" X 6" TEE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4
 11. INSTALL CORP STOP PER UDACS PLATE NO. 4-SEE DETAIL 37, SHEET C4.4
 12. INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4
 13. INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO. 31-SEE DETAIL 40, SHEET C4.4
 14. INSTALL FIRE HYDRANT & 6" GATE VALVE PER UDACS PLATE NO. 40 & 41-SEE DETAIL 41 & 42, SHEET C4.5
 15. STUB & CAP-SEE PLUMBING PLANS FOR CONTINUATION
 16. REMOVE EX CAP AND CONNECT
 17. TRENCH AND BACKFILL UNIMPROVED AREAS PER UDACS PLATE NO. 16-SEE DETAIL 43, SHEET C4.5
 18. TRENCH AND BACKFILL IMPROVED AREAS PER UDACS PLATE NO. 17-SEE DETAIL 44, SHEET C4.5
 19. FIRE DEPARTMENT CONNECTION STAND ALONE - SEE DETAIL 46, SHEET C4.5
 20. INSTALL 1" RPPA PER UDACS PLATE NO. 8
 21. INSTALL 1" PVC WL (PRIVATE)
 22. INSTALL 2" X 1" TEE PER UDACS PLATE NO. 31

- SEWER NOTES**
1. CONNECT TO EXISTING 6" LATERAL (PRIVATE)-CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION
 2. INSTALL 6" PVC SDR-35 SEWER LATERAL PER DCSWGS SD-21 (PRIVATE)-SEE DETAIL 36, SHEET C4.4
 3. INSTALL 6" CLEAN OUT WITH TRAFFIC RATED LID PER DCSWGS SD-24 (PRIVATE)-SEE DETAIL 35, SHEET C4.4
 4. INSTALL WYE & 45° BEND PER DCSWGS SD-21 (PRIVATE)-SEE DETAIL 36, SHEET C4.4
 5. STUB AND CAP - SEE PLUMBING PLANS FOR CONTINUATION

- CROSSINGS**
1. 3/4" WL INV=2744.86 ; 2" WL TOP=2743.36
 2. 3/4" WL INV=2744.15 ; 6" SS TOP=2739.01
 3. EX 8" WL TOP=2742.95 ; 6" WL INV=2744.45
 4. 6" WL TOP=2743.08 ; 2" WL INV=2744.58
 5. 6" WL TOP=2743.21 ; 2" WL INV=2744.71
 6. 2" WL INV=2743.82 ; 6" SS TOP=2735.94
 7. 6" WL INV=2741.88 ; 6" SS TOP=2734.60
 8. 6" WL INV=2741.71 ; 6" SS TOP=2734.47
 9. EX 8" WL TOP=2740.68 ; 2" WL INV=2742.18
 10. EX 2" WL INV=2744.77 ; 2" WL TOP=2743.27

- UTILITY NOTES:**
1. EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.
 2. THE SAWCUT LINES AND LIMITS OF A.C. REMOVAL AND REPLACEMENT SHALL BE DETERMINED BY A CLV CONSTRUCTION SERVICES INSPECTOR. A.C. SHALL BE PLACED BY MECHANICAL MEANS. TRENCH BACKFILL MATERIAL SHALL BE SAMPLED, DESIGNED, TESTED AND CERTIFIED BY CLV TRENCH BACKFILL POLICY.
 3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 4. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
 5. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
 6. ALL SEWER LENGTHS SHOWN ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
 7. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
 8. SEE SHEET C2.0 FOR FIRE LANE LOCATION.
 9. SEE ARCHITECTURAL PLANS FOR ALL CONNECTION DETAILS AT THE BUILDING.
 10. SEE LANDSCAPE PLANS BY OTHERS FOR ALL IRRIGATION AND LANDSCAPING INFORMATION.
 11. SEE PLANS BY ELECTRICAL ENGINEER, NV ENERGY, COX, CENTURY LINK & SW GAS FOR ALL DRY UTILITY INFORMATION.

SOUTHWEST GAS APPROVAL

SOUTHWEST GAS CORPORATION DATE: _____

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT : ENGINEERING SERVICES
PROJECT NO. 136491 FIRST APPROVED DATE: 11-20-19
LVWD APPROVED FIRE FLOW: TOTAL 1,500 GPM/ONSITE 1,500 GPM

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: _____ DATE: 11-20-19
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL.

NOTES:

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED. OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSOBE DURING CONSTRUCTION.

BENCHMARK

7LV00 325SW6: A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RAMPART BOULEVARD AND CHARLESTON BOULEVARD = 837.425m = 2,747.45ft (NAVD88).

BASIS OF BEARING

NORTH 89°26'21" EAST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 32, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, STATE OF NEVADA, AS SHOWN BY THE MAP RECORDED IN FILE 36 OF SURVEYS, PAGE 89 IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

REQ'D FIRE FLOW*	CHICK-FIL-A	RETAIL A	RETAIL B	TOTAL
1,500	1,500	1,500	1,500	1,500
SQUARE FOOTAGE**	5,011	2,566	2,591	10,168
LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A	N/A	N/A	N/A
HEIGHT	21'-8"	21'-8"	21'-8"	21'-8"
TYPE OF CONSTRUCTION	V-B	V-B	V-B	V-B
SPRINKLER SYSTEM	YES	YES	YES	YES
OCCUPANCY	A2	M	M	A2 & M
NO. OF STORIES	1	1	1	1
HIGH PILED STORAGE	NO	NO	NO	NO
CHEMICAL ADDITIVES	NO	NO	NO	NO

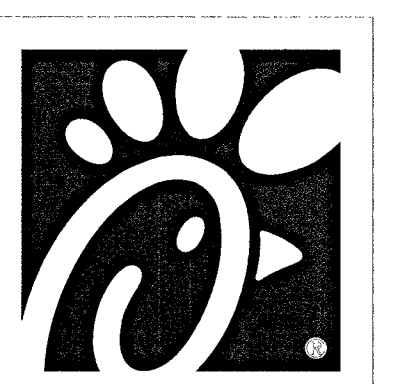
*BASED ON 50% REDUCTION FOR FIRE SPRINKLERS
**BASED ON MAXIMUM SQUARE FOOTAGE POSSIBLE

REVIEWED BY: _____ DATE: 11-20-19
LAS VEGAS FIRE AND RESCUE

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

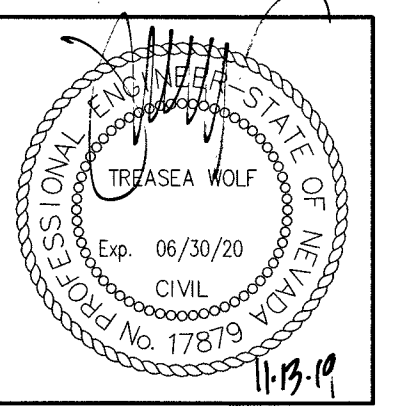
FAST
Call before you UnderGround
1-702-432-5300

CALL BEFORE YOU OVERHEAD
1-702-227-2929



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

Kimley»Horn
© 2018 KIMLEY-HORN AND ASSOCIATES, INC.
6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KH-HORN.COM



CHICK-FIL-A
CHARLESTON & FT. APACHE
8975 W CHARLESTON BLVD
LAS VEGAS, NV 89117

FSR# 4293

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1		

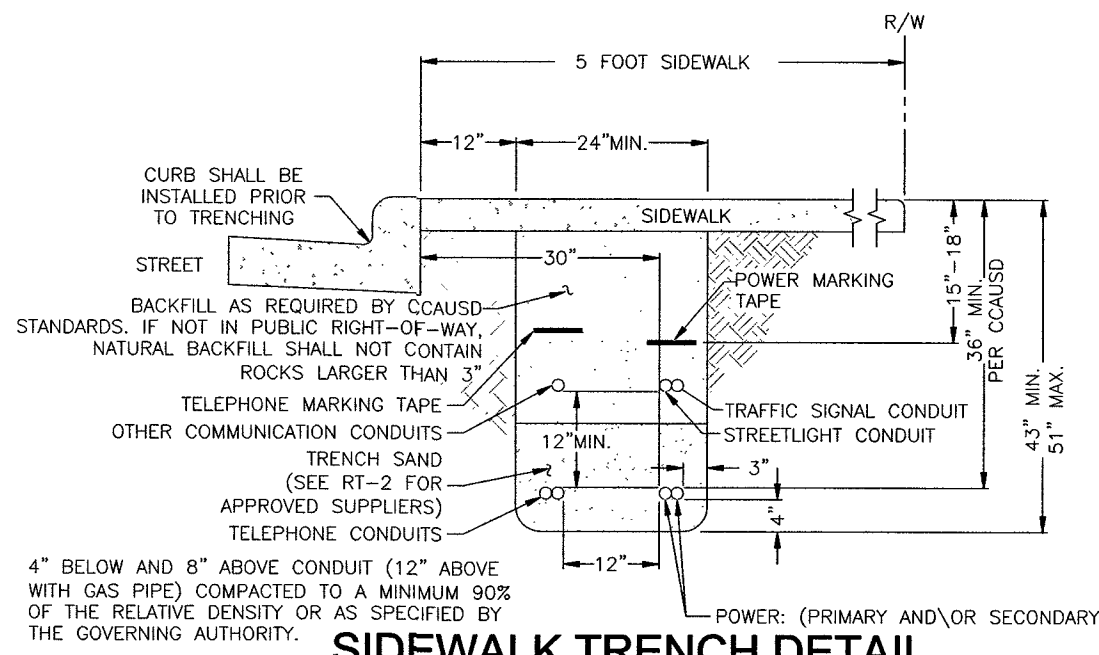
AGENCY # L19-00772
PROJECT # 092808012
PRINTED FOR PERMIT
DATE 11/12/19
DESIGN BY
DRAWN BY
SHEET
UTILITY PLAN
SHEET NUMBER

C5.0

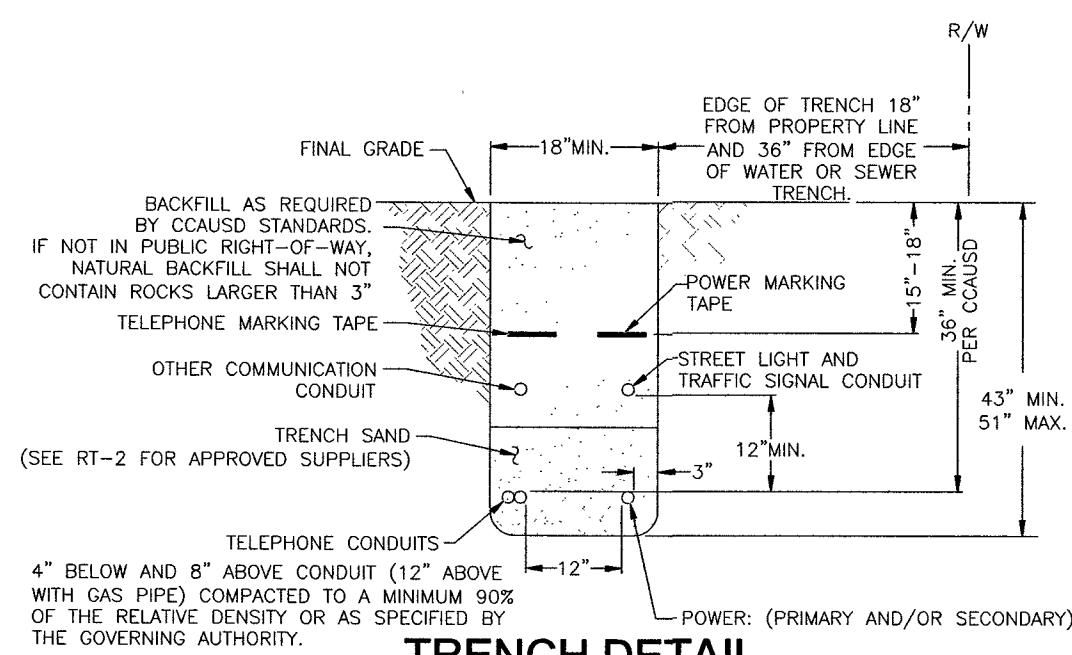
CLV #: L19-00772 H #: 1071064

CIVIL LINETYPE LEGEND

CENTERLINE	---
PROPERTY LINE/ROW	---
CURB	---
EDGE OF PAVEMENT	---
EDGE OF SIDEWALK	---
SEWER LINE	---
WATER LINE	---
COHW WATER LINE	---
LVWD WATER LINE	---
SNWA WATER LINE	---
GAS LINE	---
TELEPHONE LINE	---
CABLE TV LINE	---
STORM DRAIN LINE	---
FIRE HYDRANT	---
SIGNAL LIGHT	---
SERVICE INDICATOR	---
STREET LIGHT	---



SIDEWALK TRENCH DETAIL
NVE U.G. STD. RT-7 (REV. 10/27/2014)
(RESIDENTIAL OR COMMERCIAL)



TRENCH DETAIL
NVE U.G. STD. RT-12 (REV. 10/27/2014)
(RESIDENTIAL AND COMMERCIAL)

STREETLIGHT CLEARANCE:

NPC FACILITIES (SUBSTRUCTURES) ARE NOT TO BE WITHIN 5' OF STREET LIGHT BASES, AND NPC CONDUITS ARE NOT TO CONFLICT WITH STREET LIGHT BASES

NVEnergy REQUIRES 24 HOUR ACCESS TO EQUIPMENT

NVE WILL NOT VERIFY THE EXISTING CONDUIT.
CUSTOMER TO ENSURE ITS INTEGRITY AND
REPAIR IF NECESSARY.

CONSTRUCTION / INSPECTION REQUIREMENTS

WORK MUST CONFORM TO NVE ELECTRIC SERVICE STANDARDS, AVAILABLE AT:
www.nvenergy.com/business/newconstruction/newconstruction5/servicesstandards.cfm

NVE INSPECTOR MUST BE PRESENT TO INSPECT TRENCHING (SCHEDULE AT LEAST 72 HOURS IN ADVANCE) AT EACH OF THE FOLLOWING STAGES:

1. BOTTOM SAND AND CONDUIT INSTALLED
2. TOP SAND INSTALLED
3. BACKFILL INSTALLED

CONDUIT MUST BE MANDRILLED PRIOR TO RELEASE (COORDINATE WITH INSPECTOR).

NVE STAND BY CREW IS REQUIRED WHEN WORKING AT AN ENERGIZED VAULT OR TRANSFORMER. CALL STAND BY NUMBER (SEE TITLE BLOCK) TO SCHEDULE.

NVE ELECTRICAL INSTALLATION WILL NOT BE SCHEDULED UNTIL AFTER THE NVE INSPECTOR HAS COMPLETED THE OFFICIAL RELEASE.

METER(S) WILL NOT BE SET UNTIL ALL OF THE FOLLOWING ARE COMPLETE:

- (INSTRUMENT-RATED ONLY) METERING EQUIPMENT HAS BEEN SUBMITTED TO NVE METERING ENGINEER AND APPROVED. (submit@nve.southernnvenergy.com)
- APPLICATION FOR METER SET HAS BEEN SUBMITTED TO NVE'S NEW DEVELOPMENT CENTER. FORM AVAILABLE AT:
www.nvenergy.com/brochures_arch/new_construction/meter_set.pdf
- THE LOCAL BUILDING AUTHORITY HAS INSPECTED AND APPROVED THE METERING EQUIPMENT.
- METERING EQUIPMENT IS ACCESSIBLE AND CLEARLY IDENTIFIED WITH PERMANENT MARKINGS, ADDRESSES, SUITE NUMBERS, AND STREET SIGNS ARE POSTED IN PERMANENT LOCATIONS (SEE RPI-G).

TRACK PROJECT STATUS ONLINE WITH NVE'S DEVELOPER DASHBOARD:

www.nvenergy.com/business/newconstruction/newconstruction5/developerdashboard.cfm

METER LOCATION & ACCESS REQUIREMENTS

(NVE ENERGY STANDARDS RPI-15 & RPI-G)

THIS STANDARD SPECIFIES THE REQUIREMENTS FOR THE LOCATION OF ALL NVEnergy (NVE) METERS AND SERVICE EQUIPMENT WITH THE EXCEPTION OF SINGLE-FAMILY RESIDENTIAL METERS (SEE RPI-2 FOR RESIDENTIAL METERS). REQUIREMENTS IN THIS STANDARD FACILITATE ACCESS TO SERVICE EQUIPMENT BY NVE PERSONNEL, FOR PERFORMING OPERATIONS AND MAINTENANCE FUNCTIONS AS WELL AS FOR FIRE AND POLICE AGENCIES IN EMERGENCY SITUATIONS.

METER AND SERVICE ENTRANCE INSTALLATIONS MUST CONFORM TO THE LATEST REVISIONS OF RPI-G AND, SPECIFICALLY, THE "METER ACCESS" AND "METER LOCATIONS" SECTIONS OF RPI-G. THE STANDARD SERVICE POINT WILL BE LOCATED AT THE CORNER OF THE BUILDING NEAREST THE NVE ENERGY SUPPLY. ALTERNATE SERVICE POINTS AND METER ROOMS, ALTHOUGH NOT PREFERRED, MAY, AT THE DISCRETION OF NVEnergy, BE ALLOWED PROVIDED THAT THEY MEET THE REQUIREMENTS OF SECTION 6 "ACCESS TO SERVICE EQUIPMENT" AND SECTION 8 "METER ROOMS".

ELECTRIC METER AND SERVICE EQUIPMENT INSTALLATIONS MUST BE READILY ACCESSIBLE TO AUTHORIZED REPRESENTATIVES OF NVE FOR READING, TESTING, AND INSPECTION AT ALL TIMES. CUSTOMER CONTACT WILL NOT BE REQUIRED FOR METER READING. PERMANENT VEHICLE ACCESS TO THE SERVICE EQUIPMENT IS REQUIRED FOR THE INSTALLATION AND MAINTENANCE OF SERVICE CABLES AND METERING EQUIPMENT.

THE SERVICE EQUIPMENT MUST BE ACCESSIBLE 24 HOURS/7 DAYS WITHOUT REQUIRING PASSAGE THROUGH RESTRICTED AREAS OR REQUIRING CUSTOMER CONTACT.

SERVICES 600V AND LESS, THE VEHICLE ACCESS WILL BE A MINIMUM 12' WIDE, 20' HIGH DIRECT PATH TO THE METERING EQUIPMENT.

ALL SERVICES GREATER THAN 600V (PRIMARY SERVICE) OR WHERE THE SERVICES INCLUDE THE INSTALLATION OF THREE-PHASE TRANSFORMERS, SWITCH OR FUSE CABINETS, CAPACITOR BANKS, OR OTHER LARGE EQUIPMENT, THE VEHICLE ACCESS WILL BE A MINIMUM 23' WIDE, WITH NO OVERHEAD OBSTRUCTION.

CONDUIT SEALING REQUIREMENT:

CONDUIT SEALING PER NESC AND OR NEC LATEST VERSION;
ALL ELECTRIC CONDUITS ENTERING BUILDING THROUGH OR
PENETRATING CONCRETE SLAB SHALL BE SEALED AT BOTH ENDS
WITH EXPANDING PLUG(S) AFTER CONDUIT IS MANDRILLED.
NVE WILL INSTALL A PERMANENT SEAL,
AFTER CONDUCTORS ARE INSTALLED.

NOTICE:

THIS EXHIBIT IS THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF NV ENERGY AND MAY NOT BE USED, REPRODUCED OR DISTRIBUTED WITHOUT THE EXPRESSED, WRITTEN APPROVAL OF NV ENERGY.

THE IMAGES HEREON ARE NOT ORTHOPHOTOGRAPHIC. ANY LOCATIONS DEPICTED HEREON ARE APPROXIMATE ONLY. THIS EXHIBIT WAS CREATED FOR GENERAL PRESENTATION AND DISCUSSION PURPOSES ONLY AND IS NOT PURPORTED TO REPRESENT ANY MEASURE OF ACCURACY. THIS EXHIBIT IS NOT TO BE UTILIZED IN ANY MANNER NOT CONSISTENT WITH THE INTENT OF ITS CREATION AS STATED ABOVE.

RTC NOTES:

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

(1) 500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
(2) 500.2	0 TO 5 YEARS PAVEMENT RESTORATION TRANSVERSE CUT
(3) 500.3	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
(4) 500.4	OVER 5 YRS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
(5) 500.5	OVER 5 YRS PAVEMENT RESTORATION TRANSVERSE ALL R.O.W WIDTHS
(6) 501	TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W.
(7) 501.1	TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W.
(8) 503	METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
(9) 503.1	METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
(10) 503.1	METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
(11) 234	SIDEWALK
(12) 506	UTILITY POTHOLE REPAIR
(13) 216	"L" TYPE CURB AND GUTTER

NV ENERGY SCHEDULING NOTE: DAY (LANE BLOCKS)

THIS PROJECT WAS ESTIMATED WITH THE ASSUMPTION THAT ALL THE WORK BEING PERFORMED ON THIS PROJECT BY NV ENERGY CREWS CAN BE DONE DURING THE DAYTIME AND WILL REQUIRE TRAFFIC CONTROL.

GOVERNMENT APPROVAL OF THESE DRAWINGS DOES NOT INDICATE APPROVAL OF TRAFFIC CONTROL. PLEASE REFER TO THE BARRICADE PLAN FOR APPROVED TRAFFIC CONTROL REQUIREMENTS.

FIRE HYDRANT CLEARANCE:

6' RADIUS FROM CENTER OF HYDRANT TO ALL ABOVE GROUND PADS AND/OR EQUIPMENT AND ALL MANHOLES AND SWITCHBOXES.

6' RADIUS FROM CENTER OF HYDRANT TO ALL UNDERGROUND HANDHOLES, PULLBOXES AND SPLICEBOXES. ALL PER NVEnergy STD. RS-5

SOURCE	PH.	EX.	KVA	ADDED KVA	TOTAL KVA	LOOP
FC OR RISER						FC OR RISER
U10160	A	983.33	66.67	1050		RADIAL
UGM7009	B	983.33	66.67	1050		---
WE1207	C	983.33	66.67	1050		---

NOTE: ALL THE ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF CLV UNIFIED DEVELOPMENT CODE TITLE 19.06 AND 19.08

APPROVED FOR CONSTRUCTION

THIS APPROVAL IS FOR WORK IN CLV R/W & EASEMENT ONLY. OBTAINING PERMISSIONS OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

APPROVAL BY:

DATE



T,R,S: 21-60-05

APN: 16305101002

GENERAL NOTES:

ANY NOTES LOCATED IN DRAWING AREA TAKE PRECEDENCE OVER STANDARD NOTES.

REFER TO A CURRENT NVEnergy ELECTRIC SERVICE REQUIREMENTS HANDBOOK FOR FURTHER CLARIFICATION OF NVEnergy STANDARDS.

THE APPLICANT SHALL INFORM THE INSPECTOR AT LEAST 48 HOURS BEFORE COMMENCING ANY ITEM OF CONSTRUCTION OR INSTALLATION OF MATERIAL TO ENABLE PROPER INSPECTION OF MATERIALS AND WORKMANSHIP. MAIN TRENCH WIRE PULLS TO BE SCHEDULED 72 HOURS IN ADVANCE OF INSTALLATION. APPLICANT'S PROJECT WILL NOT BE SCHEDULED UNTIL FINAL APPROVAL FROM NVEnergy UNDERGROUND & ELECTRICAL INSPECTORS.

ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE ELECTRIC SERVICE REQUIREMENTS HANDBOOK, AS CURRENTLY ADOPTED BY NVEnergy. THE CONTRACTOR SHALL SECURE COPIES OF THE AFOREMENTIONED CONSTRUCTION SPECIFICATIONS ON HIS OR HER OWN BEHALF.

SYMBOLS ARE NOT TO SCALE AND DO NOT NECESSARILY REPRESENT ACTUAL LOCATIONS OF FACILITIES.

THIS DRAWING ILLUSTRATES DATA COLLECTED FROM VARIOUS SOURCES AND MAY NOT REPRESENT A SURVEY OF THE PREMISES.

APPLICANT SHALL FIELD DETERMINE POSITION AND DEPTH OF EXISTING UTILITY EQUIPMENT PRIOR TO COMMENCING CONSTRUCTION.

USE CAUTION PRIOR TO EXCAVATION. CHECK TO ENSURE ADDITIONAL DEPTH IS NOT REQUIRED TO ACCOMMODATE GAS AND/OR WATER FACILITIES AND DRAINAGE CHANNELS.

CALL NVEnergy UNDERGROUND INSPECTORS 48 HOURS PRIOR TO START OF CONSTRUCTION FOR TRENCH INSPECTION BEFORE COVERING TRENCH.

ALL NVEnergy CABLE TO BE INSTALLED BEHIND CURB, UNLESS OTHERWISE STATED.

APPLICANT IS RESPONSIBLE FOR STAKING OF PROPERTY CORNERS & ELEVATIONS.

ALL HANDHOLES AND PULLBOXES SHALL BE INSTALLED TO FINISHED GRADE OR 6" ABOVE IF GRADE IS NOT ESTABLISHED.

ANY SUBSTRUCTURE VAULT INSTALLED IN GRAVEL, GRASS, OR BARE GROUND WILL REQUIRE A CONCRETE 8" WIDE AND 6" DEEP COLLAR AROUND BOX IN ACCORDANCE TO RS-G6.

2" PLASTIC CONDUIT BENDS (90°, 45°) WITH 36" MIN. RADIUS. (USE FIBERGLASS IF CONDUIT LENGTH IS OVER 500')

3" & 4" PLASTIC CONDUIT BENDS (90°, 45°) WITH 36" MIN. RADIUS. (USE RGS IF CONDUIT LENGTH IS OVER 100')

6" PLASTIC CONDUIT BENDS (90°, 45°) WITH 48" MIN. RADIUS. (USE RGS IF CONDUIT LENGTH IS OVER 100')

WHEN INSTALLING CONDUIT IN FIELD, USE APPROPRIATE BENDS TO COMPLETE THE INSTALLATION.

DEFLECTION OF CONDUIT BENDS AND CONDUIT NOT TO EXCEED NVEnergy STANDARDS.

EXISTING STUB-OUT/CONDUIT INSTALLED BY PREVIOUS CONTRACTOR / DEVELOPER. NVEnergy DOES NOT GUARANTEE LOCATION, LENGTH, OR ACCESSIBILITY OF EXISTING STUB-OUT/CONDUIT. IF UTILIZING ANY PORTION OF EXISTING CONDUIT, IT MUST BE MANDRELED PRIOR TO FINAL RELEASE.

PREVIOUSLY MANDRELED CONDUIT WHICH HAS BEEN IN THE GROUND FOR OVER 6 MONTHS MUST BE RE-MANDRILLED PRIOR TO FINAL RELEASE.

WHEN NVEnergy FACILITIES ARE TO BE REMOVED, NVEnergy WILL REMOVE ALL WIRES AND EQUIPMENT. NVEnergy IS NOT RESPONSIBLE FOR THE REMOVAL OF CONDUIT RUNS OR SUBSTRUCTURES FROM THE PROPERTY.

NO COVERED PARKING IN FRONT OF EQUIPMENT.

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 ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.

VICINITY MAP

(NOT TO SCALE)

EVERY EFFORT HAS BEEN MADE TO IDENTIFY ALL NVE FACILITIES. THE CUSTOMER SHALL CONFIRM THE EXISTENCE AND LOCATION OF THESE FACILITIES.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

CALL 1-702-402-2929

Call before you Dig
Avoid cutting underground utility lines. It's costly.

CALL 811

OR

1-800-227-2600

AND CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-6000

REVISIONS

NO.	DESCRIPTION	DATE	REV BY
1			
2			
3			
4			
5			
6			
7			
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STANDARD

PROJECT PURPOSE:

- 1) 1200 AMP FOR A NEW COMMERCIAL BUILDING &
- 2) 400 AMP PANEL FOR TWO NEW RETAIL BUILDINGS & (1) 100 AMP PANEL

EXHIBIT 'A'

NVEnergy INFORMATION:

COORDINATOR: BROWN, JAMES

PHONE: (775) 813-5771 D.F. KL

DESIGNER: SANTANA, RAPHAEL

DCA: N/A

INSPECTOR: 702-402-3008 OR UG@NVEENERGY.COM

STAND BY: (702) 402-4450, 4150, 4114, 4117, 4118

DISTRICT: LAS VEGAS NORTH DISTRICT

JPA INFORMATION:

JPA ADMIN PHONE: N/A JPA#: N/A

CUSTOMER INFORMATION:

APPLICANT: CHICK-FIL-A, INC.

APPLICANT CONTACT: SCHWARTZ, STEVE

CONTACT: ESCAMILLA, STEF ** 619-654-4431

APPROVAL DATE: 10/24/2019

GOVERNMENT INFORMATION:

AGENCY(S): CLV

APPROVAL DATE(S):

FOR EACH SERVICE POINT (POINT OF DELIVERY), ENERGY FOR TENANT SPACE WILL BE MEASURED THROUGH ONE METER. ENERGY FOR ALL NON-TENANT SPACE WILL BE MEASURED THROUGH ONE WATTHOUR METER. CONTACT NVE FOR MULTIPLE RATE CLASS INSTALLATIONS.

CITY OF LAS VEGAS PERMIT REQUIRED

CONTACT CLV LAND DEVELOPMENT (229-6377)
CLV CONSTRUCTION SERVICES MUST BE NOTIFIED 24 HOURS PRIOR TO COMMENCING CONSTRUCTION (229-6337)

HANSEN

DATE

*NVE INSPECTOR MUST BE NOTIFIED BY FAX 48 HOURS PRIOR TO COMMENCING CONSTRUCTION & WILL VERIFY CITY PERMIT FOR WORK DONE IN STREETS OR SIDEWALK.
FAX PERMIT TO:
LAS VEGAS NORTH (RYAN CENTER): 402-4354
LAS VEGAS SOUTH (BELTWAY CENTER): 402-6864

CHICK-FIL-A CHARLESTON & FORT APACHE

W CHARLESTON BLVD AND S FORT
APACHE RD

PROJ #3004485112 SCALE: 1"=30'

SHEET # 1 OF 2 DATE: 9/19/2019

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	