

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN, OR THE SEWER IS LESS THAN EIGHTEEN 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 REFERRED 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.

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

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY BE DISCHARGED TO COMMUNAL DRAINAGE SYSTEMS OR TO 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.
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 ACCURATELY REPRESENT ACTUAL PERFORMANCE STANDARDS OF THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL (MOST CURRENT EDITION).
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 IS COMPLETED. TEMPORARILY STABILIZED AREAS WILL BE MAINTAINED AND APPLIED; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, 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 ARE BMP'S WEEKLY, AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY TO AREAS OF EROSION CONTROL AND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMP'S 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.

NONE

CITY OF LAS VEGAS VERTICAL CONTROL v.2005-2007
BENCHMARK NAME: 7LV0130SWS

RIVET AND ROUND ALUMINUM PATE IN TOP OF CURB,
NORTHEAST CORNER OF DECATUR BLVD. AND THE OVERPASS
FOR US 95.
NAVD 88 DATUM 673.630 METERS (2210.07 FEET)

NORTH 00°47'01" WEST BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN BY MAP THEREOF IN FILE 35 OF SURVEYS, PAGE 43, CLARK COUNTY, NEVADA, OFFICIAL RECORDS.

LOTS 15 THROUGH 26, INCLUSIVE IN BLOCK 19 OF LAS VEGAS
SQUARE AS SHOWN BY MAP THEREOF ON FILE IN BOOK 1 OF
PLATS, PAGE 96, IN THE OFFICE OF THE COUNTY RECORDER
OF CLARK COUNTY, NEVADA.

EXCEPTING THEREFROM THAT PORTION OF LOTS 19 AND 20 AS
CONVEYED TO THE CITY OF LAS VEGAS BY THAT CERTAIN
QUITCLAIM DEED RECORDED APRIL 5, 1956 IN BOOK 89 AS
INSTRUMENT NO. 74591 OF OFFICIAL RECORDS.

FURTHER EXCEPTING THEREFROM THAT PORTION OF LOTS 15 THROUGH 18 AND 21 THROUGH 26, AS CONVEYED TO THE CITY OF LAS VEGAS BY THAT CERTAIN QUITCLAIM DEED RECORDED DECEMBER 20, 1956 IN BOOK 116 AS INSTRUMENT NO. 95974 OF OFFICIAL RECORDS.

FURTHER EXCEPTING THEREFROM THAT PORTION OF LOTS 20 AND 21 AS CONVEYED TO THE CITY OF LAS VEGAS BY THAT CERTAIN GRANT DEED RECORDED JANUARY 22, 1981 IN BOOK 1345 AS INSTRUMENT NO. 1304898 OF OFFICIAL RECORDS.



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

- the STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
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 CONSTRUCTION ZONES. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A GUARANTEED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH A CONSTRUCTION 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 OBSTRUCTION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE REMOVED OR RELOCATED IN A MANNER LIKE MATERIAL TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGN SHOWING THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIF CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT TRAFFIC LIGHTS AND ROADWAY AND TRAVEL SIGNAGE, SHALL BE SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM TO THE CURRENTLY IN EFFECT SIGN STANDARD. 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 CURRENT CITY STANDARD STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC INTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOPS 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 ABOUT THE WORK ZONE. CHICA, 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, UNLESS BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR IF THE ANY OTHER PUBLIC TRANSPORTATION 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 SPECIALLY 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.

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. THE 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 FOR EARTHWORK WATER 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. THE CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCE AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:
- | | HORIZONTAL | VERTICAL | COMPACTION |
|---------------------------|------------|----------------|------------------|
| A. PAVEMENT AREA SUBGRADE | 0.1" ± | +0.0" TO -0.1" | SEE SOILS REPORT |
| B. ENGINEERED FILL | 0.5" ± | +0.1" TO -0.1" | SEE SOILS REPORT |
7. COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
 8. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
 9. 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.
 10. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A SAFE AND USABLE CONDITION. ANY SPILL 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.
 11. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE PRIOR WRITTEN REQUEST OF THE CONTRACTOR. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6323 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS. 6631

- ALL FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S ~~APPROVED PRODUCTS LIST~~ ARE ALLOWED TO BE INSTALLED.
- A PERMIT IS REQUIRED FOR LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS SHALL OBTAIN A CERTIFICATE OF UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. [CFC 105.6.15]
- 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 FLOW. [CFC 3310, 3312]
- TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A SIGN AT THE INTERSECTION OF THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. [CFC 507.5.7.3]
- 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. [CFC 106.3]
- ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED A.W.M.A. APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. [CFC 507.2.1, NFPA 24]
- PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. [CFC 507]
- PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED. [CFC 507.5.7.1]
- PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. [CFC 507]
- FIRE HYDRANTS SPACING SHALL BE AS FOLLOWS: [CFC 1012]
RESIDENTIAL - 300 FEET UNSPRINKLERED; 600 FEET SPRINKLERED.
COMMERCIAL - 500 FEET UNSPRINKLERED; 400 FEET SPRINKLERED.
- WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 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. [CFC 1012.6]
- NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. [CFC 1012.10]
- A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FEET, AS MEASURED BY AN APPROVED ROUTE. [CFC 1012.4]
- THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FEET, AS MEASURED BY AN APPROVED ROUTE. [CFC 1012.7]
- THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. [CFC 1012.6]
- 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, SECTION 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 ONE 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. [CFC 1010.4]
- 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. [CFC 503.2.3]
- THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR THE TURNING RADIUS OF THE PARKING LOT. SIGNAGE SHALL BE INSTALLED TO THE STRUCTURES. GRADIENT SHALL NOT EXCEED 6%. [CFC 503.2.7, 503.2.8]
- THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FEET OUTSIDE AND 28 FEET INSIDE TURNING RADIUS. [CFC 503.2.4]
- VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL BE NOT BE LESS THAN 13 FT 6 INS. [CFC 503.2.1]
- FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 10 FT NOT LESS THAN 33 FT, WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB. SIGNAGE SHALL BE INSTALLED TO THE PARKING LOT. SIGNAGE SHALL BE MEASURED TO FACE OF CURB, NOT LESS THAN 24 FT WIDE WITH NO PARKING ON EITHER SIDE MEASURED TO FACE OF CURB, FIRE LINES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. [CFC 503.2.1.1]
- A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. [CFC 503.1.1]
- APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, CLV REGULATION AND MOUNT.
- ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND HAVING A MINIMUM DIAMETER OF 81 FT. CLV REGULATION
- 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 LANE. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF REQUIRED TO BE LOCATED ON EITHER SIDE OF THE ROADWAY SHALL 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. [CFC 503.3]
- ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM.
- 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 DEVELOPMENT SHALL BE LOCATED ON THE OTHER SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CLV REGULATION.

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFICE IMPROVEMENTS, CLARK COUNTY AREA NEVADA; LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA; LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE NOT NEARLY APPROPRIATE 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 THESE 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 SATISFACTORILY 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 DESIGN 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 (½) ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUNT TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXISTENCE 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 AVOID THE PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOLIS REPORT AS PREPARED BY THE
ENGINEER: GEOTEK, INC.
JOB NUMBER: 1653-LV
DATE: JANUARY 7, 2019
- APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
4. EXISTENCE 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 DRIVEWAY CURBS. ANY NECESSARY RELOCATION IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

14. 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 RESPECTIVE BUREAU OF TRANSPORTATION.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE THE FOLLOWING DOCUMENTATION TO THE 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 SUBMIT TO THE 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 CHAMBERS, 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 ALIGNMENT, INCLUDING DEFLECTION POINTS.
22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020.
2. THERE SHALL BE A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12-INCHES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND FACILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS AND ELECTRIC.
3. FOR VALVE ADJUSTMENT CONTACT 702-668-6107 FORTY EIGHT (48) HOURS PRIOR TO CONSTRUCTION.
4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-665-0999.
5. CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION.

 7.18.19
SOUTHWEST GAS CORPORATION DATE

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES
LVVWD PROJECT No. 136166

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE COMMUNICATIONS REPORT CENTER (258-5171) 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 LVVMD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
 2. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND THE LVVMD 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 LVVMD.
 5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
 6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
 7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
 8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
 9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
 10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD 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 3.10 AND APPROVED BY THE LVVMD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
 12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD APPROVED PRODUCTS LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
 13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
 14. THE INSTALLATION OF LVVMD MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVMD 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 ASSOCIATION EXISTS. ANY DECORATIVE PAVING SURFACES WITHIN THE JURISDICTION OF THE LVVMD WILL BE REPLACED BY LVVMD WITH A DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ADJUTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVMD DURING ANY WATER OR STORM DRAIN OR SANITARY SEWER CONSTRUCTION. ANY REPAIR WORK DONE BY THE LVVMD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVMD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACES WITHIN THE STREET. THE LVVMD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

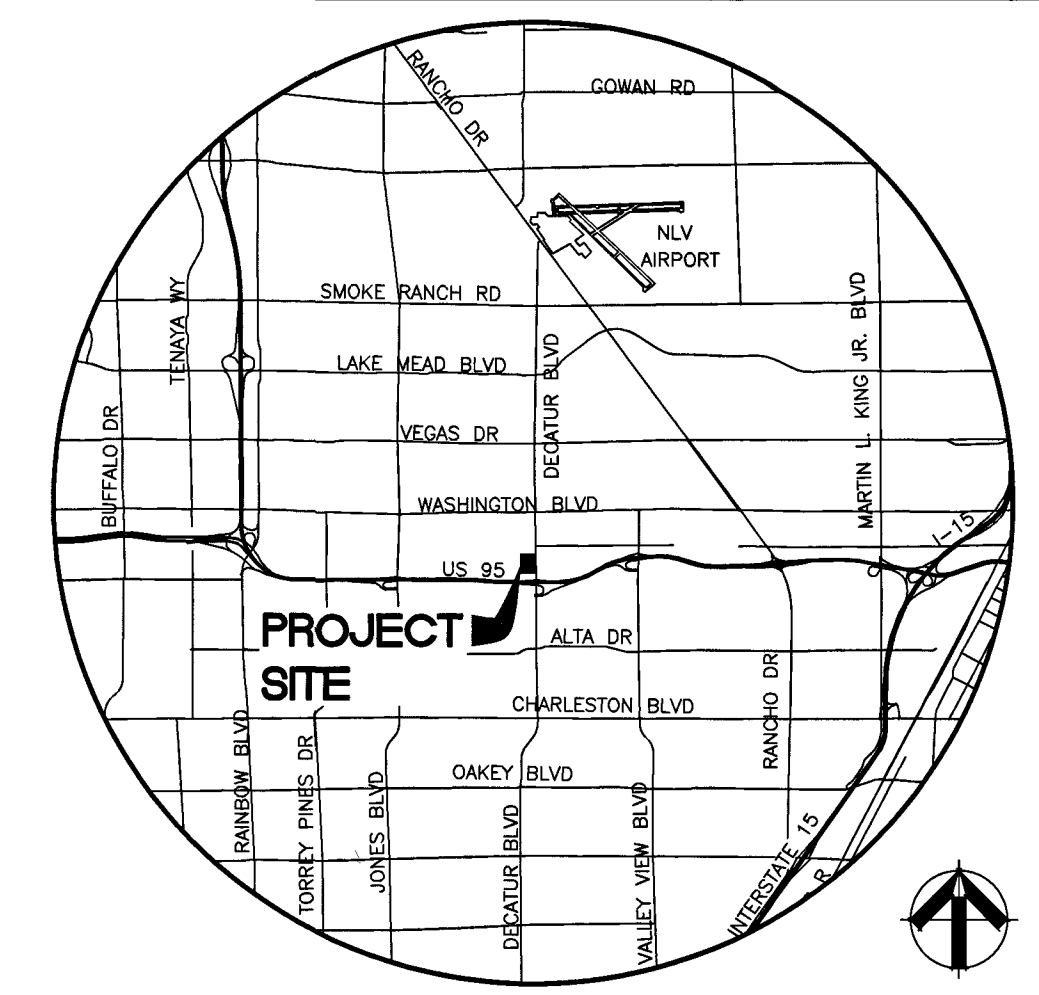
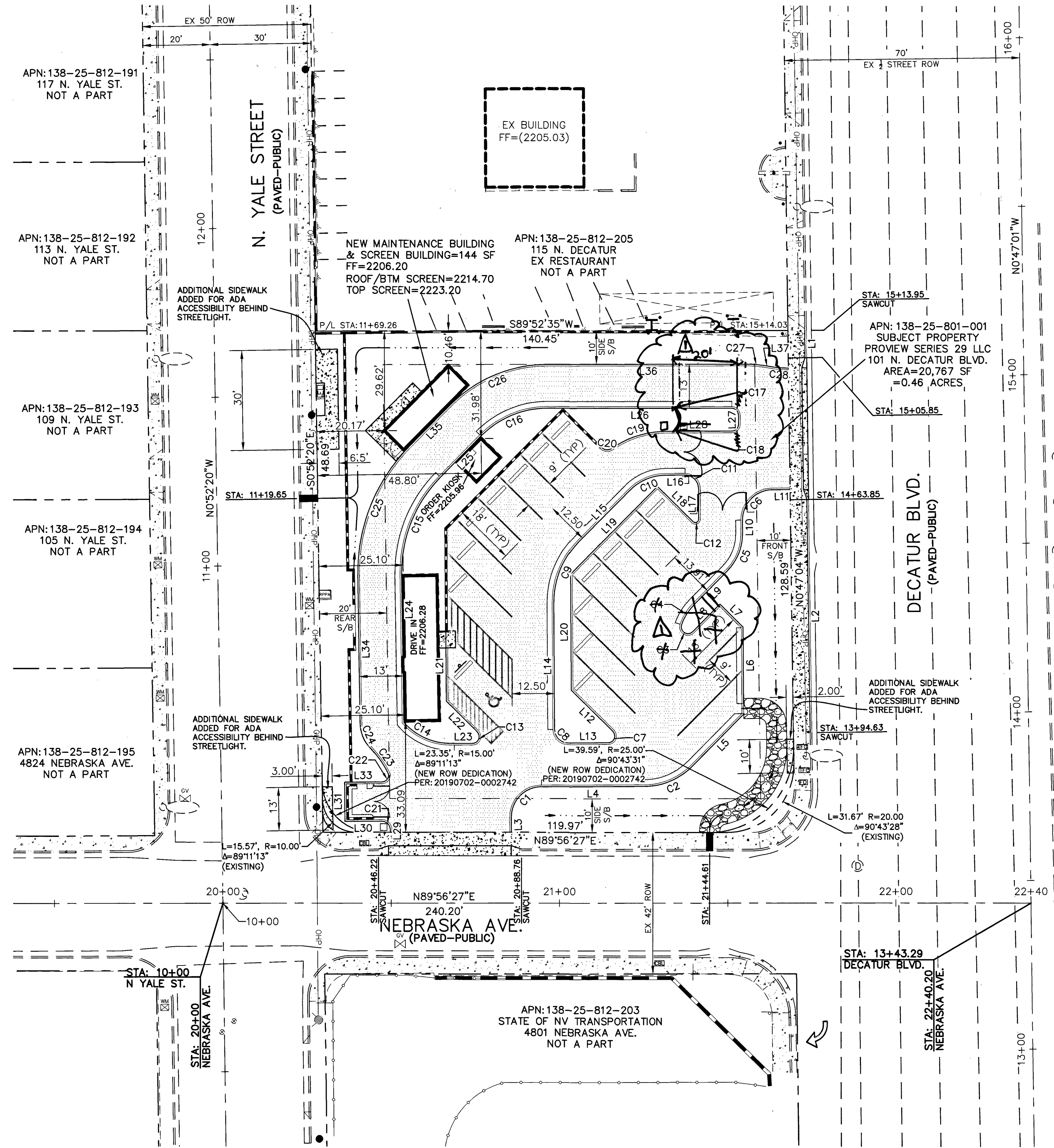
15. NO LEAD COMPLIANCE NOTE

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION AND ANY ADOPTED SPECIAL AREA STANDARDS.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC ENGINEERING AND THE CITY ENGINEER.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL STREET LIGHTING CONDUITS MUST HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #1 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH USD NO. 320A.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEF0 PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.
8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

REUSE OF DOCUMENTS THIS DOCUMENT AND THE SEALS AND SIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF DWYER ENGINEERING, INC. AND IS NOT TO BE USED, IN THE WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF DWYER ENGINEERING, INC.	
FILE No.	
Job No.	
APPROVED	
REVISIONS	
DESCRIPTION	
NO.	
DATE	
	
STAMP	
	
DWYER ENGINEERING INC. WATER RIGHTS LAND USE PLANNING LAND SURVEYING CIVIL ENGINEERS 1000 S. LAS VEGAS BLVD., SUITE E LAS VEGAS, NEVADA 89128 TEL: (702) 254-2500 FAX: (702) 254-2500	
GENERAL NOTES SHEET BURGER 51 101 N. DECATUR CITY OF LAS VEGAS, NEVADA A.P.N.: 138-25-801-001	
JOB No.	18340
DATE:	07/12/19
VERT. SCALE:	N/A
HORIZ. SCALE:	N/A
DRAWN BY:	CJL
CHECKED BY:	DAD
SHEET 2 of 7	



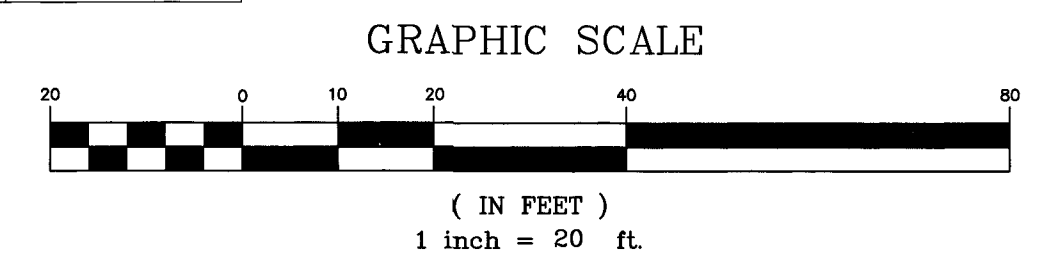


SEE SHEET #1 FOR LEGEND AND ABBREVIATIONS

LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	8.12'	S0° 47' 01.00"E
L2	69.22'	S0° 47' 01.00"E
L3	4.44'	S0° 19' 42.05"E
L4	30.66'	S89° 40' 17.95"W
L5	22.05'	S44° 40' 17.95"W
L6	22.86'	S0° 19' 42.05"E
L7	11.48'	S45° 19' 42.05"E
L8	11.48'	N44° 40' 17.95"E
L9	4.24'	S0° 19' 42.05"E
L10	5.18'	S89° 40' 17.95"W
L11	17.33'	N45° 19' 42.05"W
L12	11.84'	N89° 40' 17.95"E
L13	37.74'	S0° 19' 42.05"E
L14	21.89'	S44° 40' 17.95"W
L15	5.78'	S89° 40' 17.95"W
L16	9.12'	N0° 19' 42.05"W
L17	14.88'	S45° 19' 42.05"E
L18	36.71'	N44° 40' 17.95"E
L19	34.36'	N0° 19' 42.05"W
L20	20.76'	N0° 19' 42.05"W
L21	12.88'	N45° 19' 42.05"W
L22	5.44'	N89° 40' 17.95"E
L23	44.00'	S0° 52' 19.70"E
L24	17.12'	S44° 40' 17.95"W
L25	39.25'	S89° 40' 17.95"W
L26	2.77'	N0° 47' 01.00"W
L27	16.32'	N89° 40' 17.95"E
L28	0.78'	S0° 19' 42.05"E
L29	11.01'	N89° 39' 54.09"E
L30	11.67'	S0° 19' 42.05"E
L31	11.10'	S89° 40' 17.95"E
L32	43.99'	S0° 52' 19.70"E
L33	17.13'	S44° 39' 32.10"W
L34	59.78'	S89° 52' 34.60"W
L35	2.19'	N80° 19' 42.05"W

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	14.14'	9.00'	90°00'00"	9.00
C2	15.71'	20.00'	45°00'00"	8.28
C3	5.37'	2.00'	153°52'20"	8.62
C4	6.84'	15.00'	26°07'40"	3.48
C5	11.78'	15.00'	45°00'00"	6.21
C6	14.14'	9.00'	90°00'00"	9.00
C7	4.71'	2.00'	135°00'00"	4.83
C8	6.28'	4.00'	90°00'00"	4.00
C9	19.63'	25.00'	45°00'00"	10.36
C10	11.78'	15.00'	45°00'00"	6.21
C11	6.28'	4.00'	90°00'00"	4.00
C12	2.36'	1.00'	135°00'00"	2.41
C13	4.71'	2.00'	135°00'00"	4.83
C14	16.75'	18.56'	51°42'32"	8.99
C15	31.80'	40.00'	45°32'38"	16.79
C16	22.09'	28.00'	45°12'17"	11.66
C17	3.12'	2.00'	89°20'24"	1.98
C18	3.16'	2.00'	90°27'19"	2.02
C19	16.84'	28.00'	34°27'37"	8.68
C20	3.47'	2.50'	79°27'37"	2.08
C21	3.93'	2.50'	90°00'24"	2.50
C22	3.65'	2.00'	104°28'32"	2.58
C23	8.65'	26.59'	18°38'13"	4.36
C24	8.85'	10.73'	47°15'05"	4.69
C25	42.12'	53.00'	45°31'52"	22.24
C26	32.36'	41.00'	45°13'03"	17.07
C27	4.27'	25.00'	94°47'43"	2.14
C28	5.32'	30.00'	10°10'11"	2.67

NOTE: CURVE AND LINE DATA APPLIES TO BACK OF CURB.



BASIS OF BEARING
NORTH 00°47'01" WEST BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN BY MAP THEREOF IN FILE 35 OF SURVEYS, PAGE 43, CLARK COUNTY, NEVADA, OFFICIAL RECORDS.

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL v.2005-2007
BENCHMARK NAME: 7LV01305WS
RIVET AND ROUND ALUMINUM PATE IN TOP OF CURB, NORTHEAST CORNER OF DECATUR BLVD. AND THE OVERPASS FOR US 95
NAVD 88 DATUM 673.630 METERS (2210.07 FEET)

FAST
Call before you dig
UnderGround
1-702-432-5300
SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DIG
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU OVERHEAD
1-702-227-2929

L19-00188
107V 7959

Job No. 18340

DATE: 07/12/19

VERT. SCALE: N/A

HORIZ. SCALE: 1"=20'

DRAWN BY: CJL

CHECKED BY: DAD

SHEET 4 of 7

REUSE OF DOCUMENTS

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APPROVED

REVISIONS

NO. DATE DESCRIPTION

1 11/19 REVISE ON SITE CURB

STATE OF NEVADA

CIVIL ENGINEER

EX-12/22

7010 SMOKE RANCH RD., SUITE 8 LAS VEGAS, NEVADA 89148

DWYER ENGINEERING INC.

WATER RIGHTS LAND USE PLANNING

(702) 254-2500 FAX: (702) 254-2508

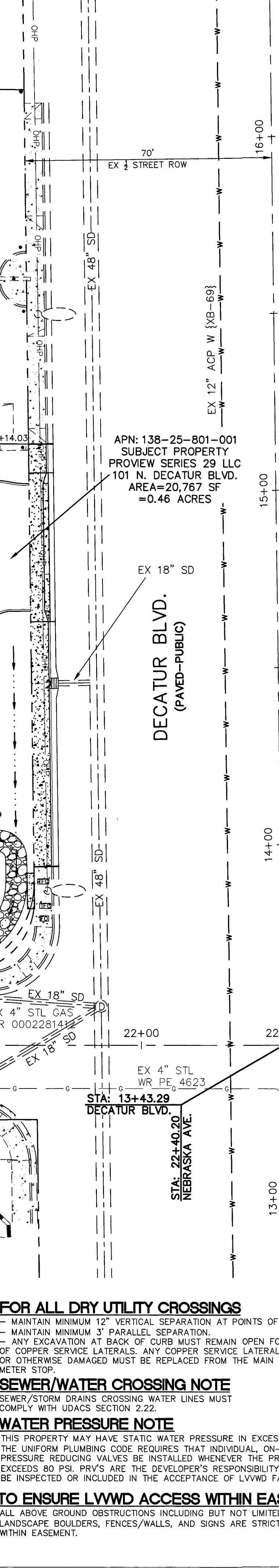
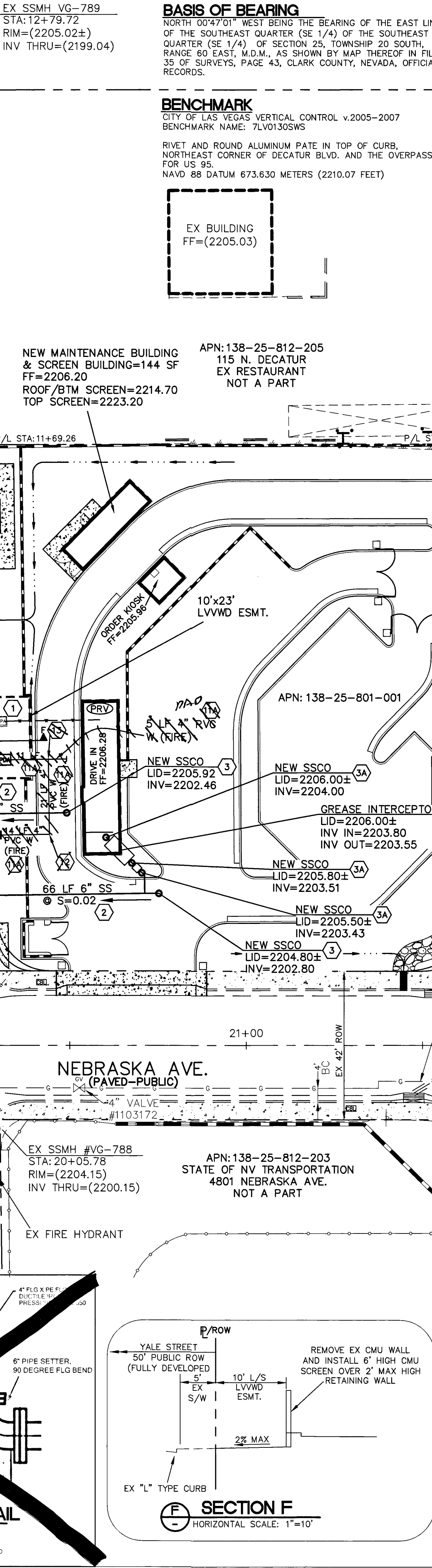
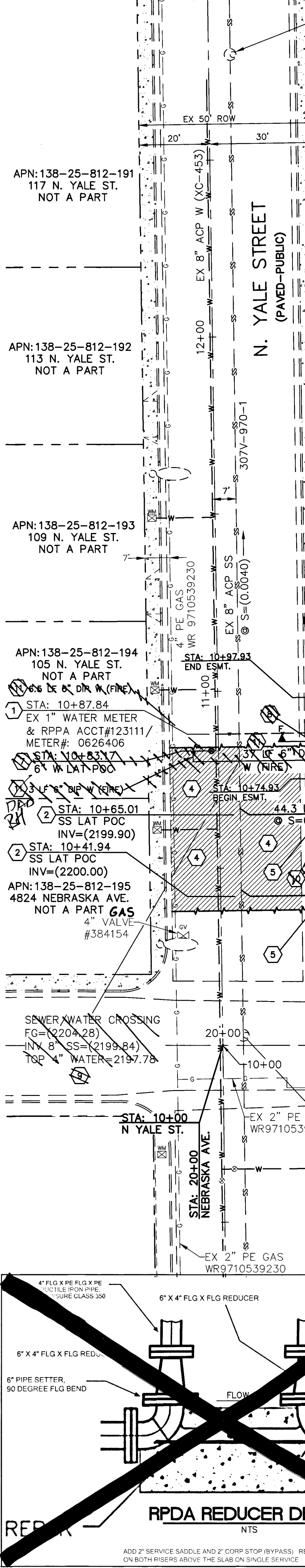
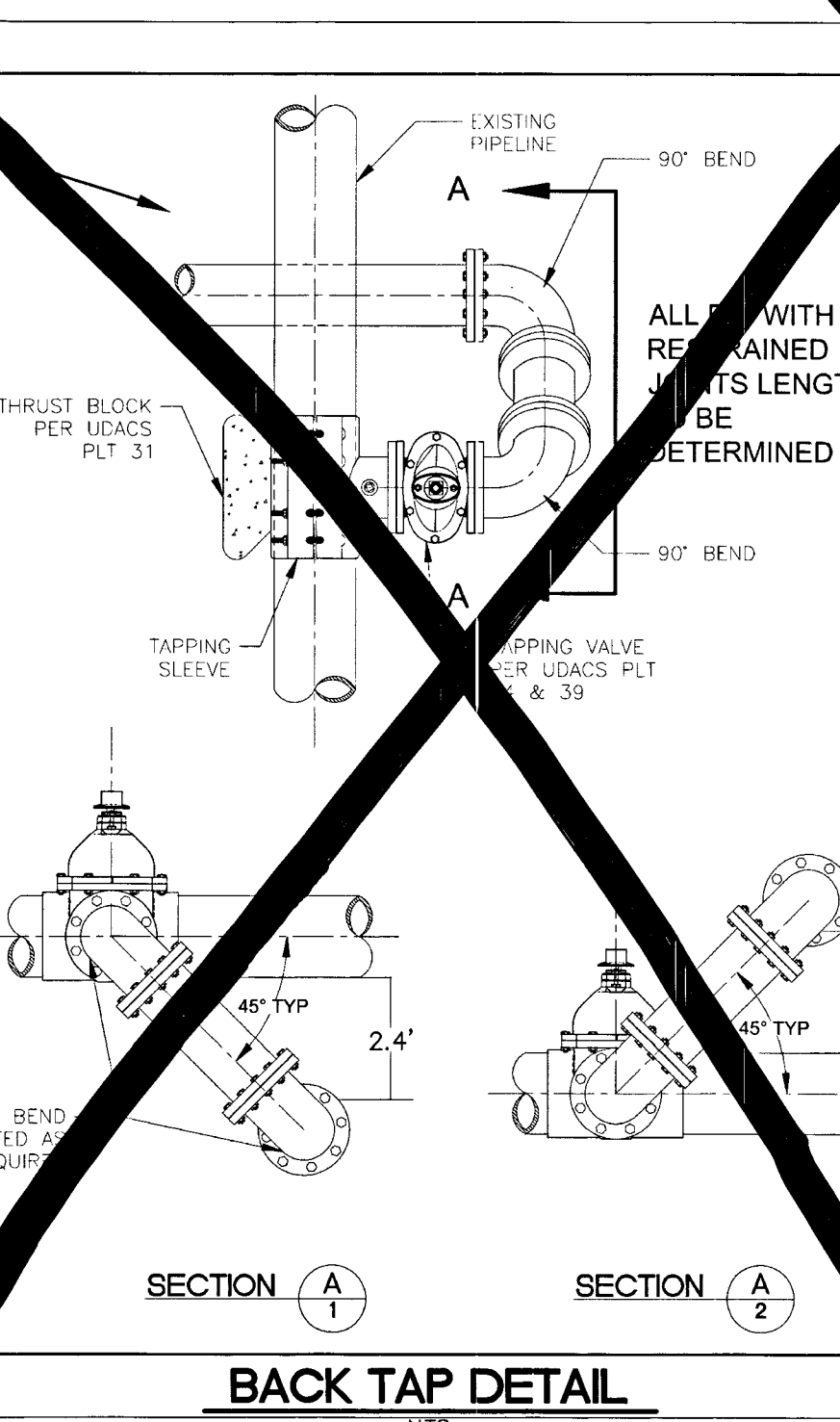
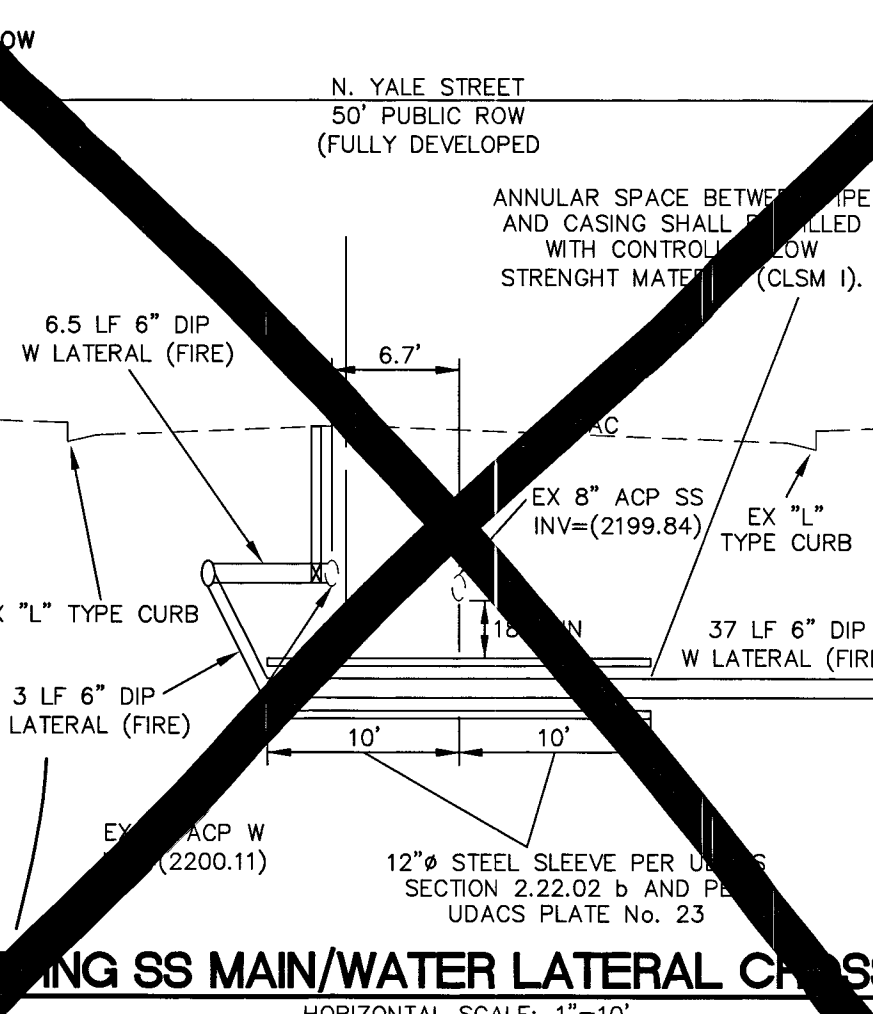
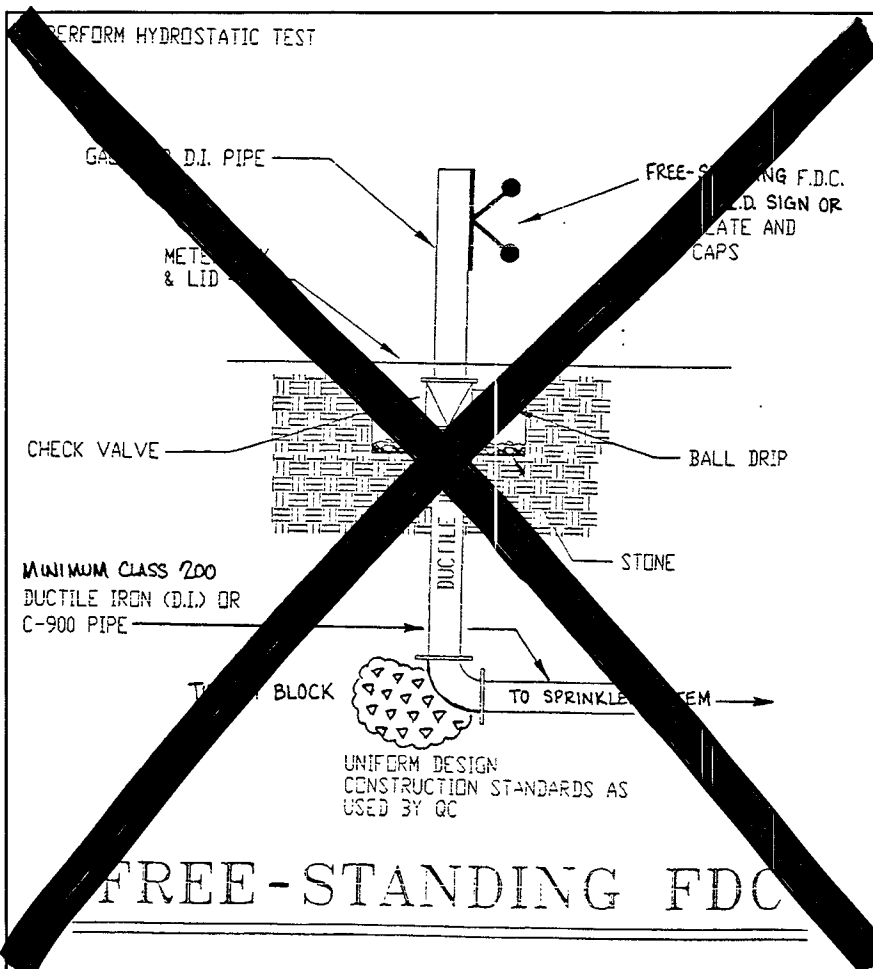
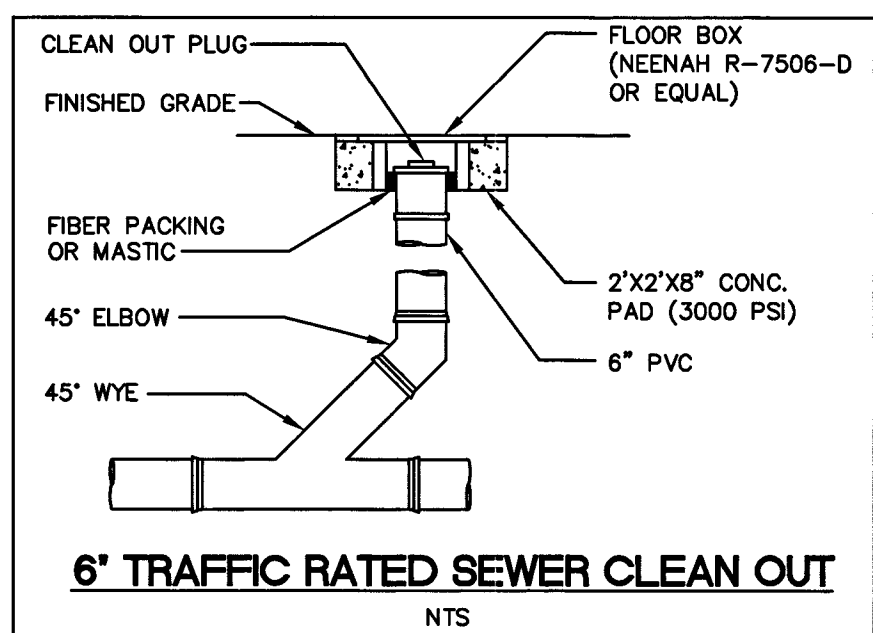
HORIZONTAL CONTROL PLAN

BURGER 51

101 N. DECATUR

CITY OF LAS VEGAS, NEVADA

A.P.N.: 138-25-801-001



UTILITY NOTE
THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NONEXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

WARNING FIRE LINE (NON-POTABLE WATER)
ALL EXISTING, RELOCATED OR PROPOSED UDACS/RPDA INSTALLATIONS.

TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, THE FIRE LINE, OR ANY OF ITS COMPONENTS, SHALL NOT BE USED FOR POTABLE DRINKING WATER AT ANY TIME.

CONSTRUCTION NOTES

- CONNECT NEW DRIVE-IN BUILDING TO EXISTING WATER SERVICE. REPLACE EXISTING WATER LINE FROM EXISTING RPPA TO NEW BUILDING AS NEEDED.
- INSTALL NEW 6" PVC SEWER LATERAL PER DCSWCS SD-22 & SD-17.
- INSTALL TRAFFIC RATED 6" SEWER CLEANOUT PER DCSWCS SD-26 & PER DETAIL THIS SHEET.
- INSTALL STANDARD NON-TRAFFIC RATED 6" SEWER CLEANOUT PER DCSWCS SD-26.
- UTILITY PATCH PER CCAUSD NO. 503.1, 500.1 AND 500.5. EXACT LIMITS OF PAVEMENT PATCH TO BE DETERMINED BY A QLV INSPECTOR.
- REPAIR/REPLACE ANY CURB GUTTER AND SIDEWALK DISTURBED BY INSTALLATION OF NEW SEWER/WATER LATERALS PER CCAUSD NO. 216 & 234.
- INSTALL 750 GALLON GREASE INTERCEPTOR. SEE PLUMBING PLANS.
- INSTALL 6" DIA. TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS PLATE NO. 34 & 35 (UDACS 2.24.01). SEE BACK TAP DETAIL THIS SHEET.
- INSTALL 4" RPDA PER UDACS PLATE NO. 50. SEE RPDA REDUCER DETAIL THIS SHEET.
- EXISTING SEWER MAIN/PROPOSED WATER LATERAL (FIRE) CROSSING. INSTALL 12" STEEL SLEEVE AROUND 4" LATERAL PER UDACS SECTION 2.22.02 b AND PER UDACS PLATE NO. 23.
- INSTALL 6" REMOTE, FREE-STANDING FIRE DEPARTMENT CONNECTION (FDC). SEE "FREE-STANDING FDC" DETAIL THIS SHEET. WATER LINE CONNECTING TO FDC IS 15'-4".
- INSTALL 6" DIP FIRE LINE PER UDACS PLATE(S) NO. 16, 17 & 19.
- INSTALL 4" CLASS 305 C-900 PVC FIRE LINE PER UDACS PLATE(S) NO. 16, 17 & 19.
- INSTALL 4" 90° ELBOW PER UDACS PLATE NO. 31.
- INSTALL 4" TEE PER UDACS PLATE NO. 31.

FIRE DEPARTMENT DATA DRIVE-IN BUILDING
FIRE REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL
BASED ON:
TOTAL SQUARE FOOTAGE 320 SQ. FT.
LARGEST AREA BETWEEN 4 HOUR SEPARATION WALLS: 320 SQ. FT.
BUILDING HEIGHT: 3 FEET
NUMBER OF STORIES: 1
TYPE OF CONSTRUCTION: TYPE II (STEEL)
EXPOSURES: YES-NO
SPRINKLER SYSTEM: YES-NO
OCCUPANCY: GROUP B
HIGH PILE STORAGE: NO
ROOF CONSTRUCTION: STEEL

FIRE DEPARTMENT APPROVAL
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

FOR ALL DRY UTILITY CROSSINGS
- MAINTAIN MINIMUM 12" VERTICAL SEPARATION AT POINTS OF CROSSING.
- MAINTAIN MINIMUM 3" PARALLEL SEPARATION.
- ANY EXCAVATION AT BACK OF CURB MUST REMAIN OPEN FOR INSPECTION OF COPPER SERVICE LATERALS. ANY COPPER SERVICE LATERAL KINKED, BENT OR OTHERWISE DAMAGED MUST BE REPLACED FROM THE MAIN TO ANGLE METER STOP.

SEWER/WATER CROSSING NOTE
SEWER/STORM DRAINS CROSSING WATER LINES MUST COMPLY WITH UDACS SECTION 2.22.

WATER PRESSURE NOTE
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRIVATE ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

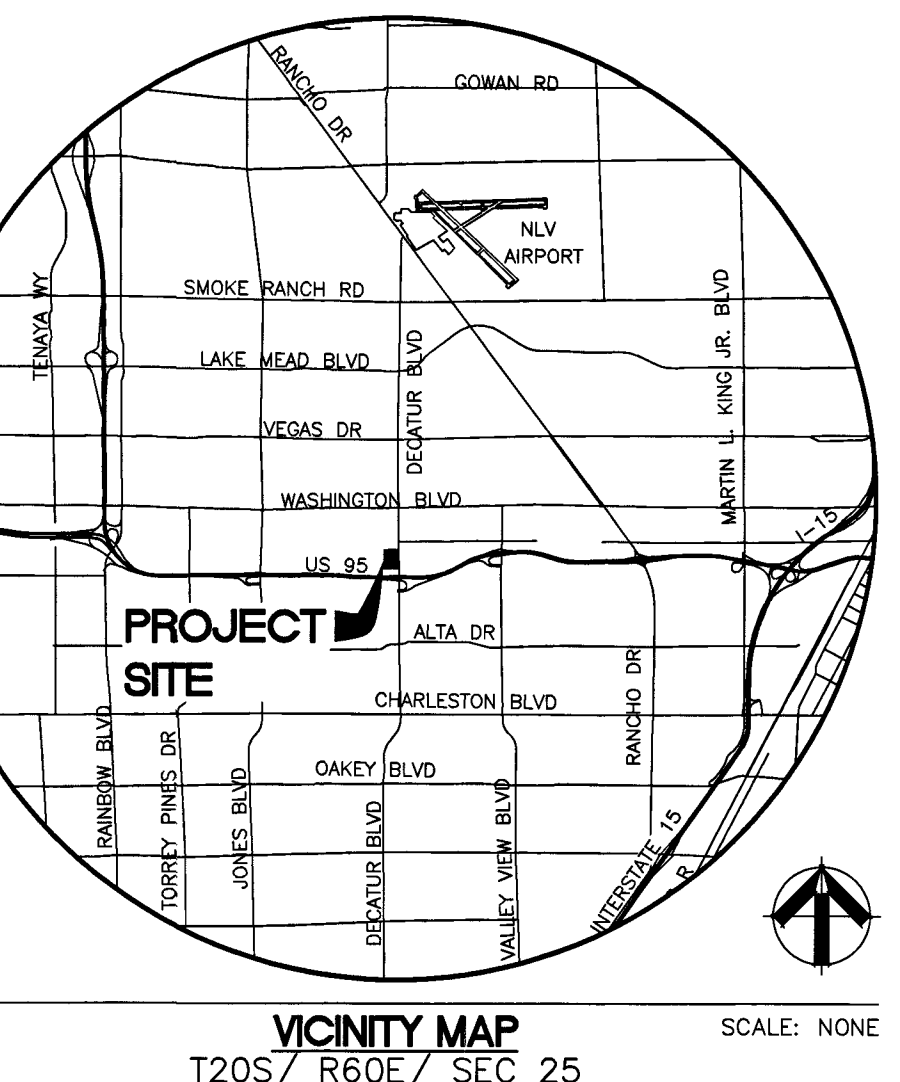
TO ENSURE LVVWD ACCESS WITHIN EASEMENT
ALL ABOVE GROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO, LANDSCAPE BOULDERS, FENCES/WALLS, AND SIGNS ARE STRICTLY PROHIBITED WITHIN EASEMENT.

ADDITIONAL LVVWD NOTES
LVVWD CAN NOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO THE FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE REMAINING WATER. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.

CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

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

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



SEE SHEET #1 FOR LEGEND AND ABBREVIATIONS
ESTIMATED QUANTITIES

120 LF [PRIVATE]	2 EA [PRIVATE]	3 EA [PRIVATE]	567 SY [PUBLIC]	1 EA [PRIVATE]	1 EA [PUBLIC]	1 EA [PUBLIC]	1 EA [PRIVATE]	47 LF [PUBLIC]	51 LF [PRIVATE]	1 EA [PRIVATE]	1 EA [PRIVATE]
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FIRE DEPARTMENT DATA DRIVE-IN BUILDING
FIRE REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL
BASED ON:
TOTAL SQUARE FOOTAGE 320 SQ. FT.
LARGEST AREA BETWEEN 4 HOUR SEPARATION WALLS: 320 SQ. FT.
BUILDING HEIGHT: 3 FEET
NUMBER OF STORIES: 1
TYPE OF CONSTRUCTION: TYPE II (STEEL)
EXPOSURES: YES-NO
SPRINKLER SYSTEM: YES-NO
OCCUPANCY: GROUP B
HIGH PILE STORAGE: NO
ROOF CONSTRUCTION: STEEL

FIRE DEPARTMENT APPROVAL
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

FAST
CALL BEFORE YOU DIG
AVOID CUTTING UTILITIES. IT'S COSTLY.
CALL 811
1-702-432-5300
1-800-227-2600
1-702-227-2929

UNDERGROUND
CALL BEFORE YOU DIG
AVOID CUTTING UTILITIES. IT'S COSTLY.
CALL 811
1-702-432-5300
1-800-227-2600
1-702-227-2929

UTILITY PLAN
BURGER 51
101 N. DECATUR
A.P.N.: 138-25-801-001
CITY OF LAS VEGAS, NEVADA

DATE 07/12/19
VERT. SCALE N/A
HORIZ. SCALE 1"=20'
DRAWN BY CJL
CHECKED BY DAD
SHEET 5 of 7

Job No. 18340
DATE 07/12/19
VERT. SCALE N/A
HORIZ. SCALE 1"=20'
DRAWN BY CJL
CHECKED BY DAD
SHEET 5 of 7

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APPROVED
DATE 07/12/19
BY [Signature]
TITLE [Title]

REVISIONS
NO. DATE DESCRIPTION

STATE OF NEVADA
DWYER ENGINEERING, INC.
CIVIL ENGINEER
LAND SURVEYOR
7310 SMOKE RANCH RD., SUITE 200
LAS VEGAS, NEVADA 89113
(702) 854-2500
FAX: (702) 854-2506

PROJECT
BURGER 51
101 N. DECATUR
A.P.N.: 138-25-801-001
CITY OF LAS VEGAS, NEVADA

CLV GRADING NOTES

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCE 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 AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- 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.
- 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.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

FLOOD ZONE NOTE:

THE SITE IS LOCATED ON FEMA ZONE "X" - PANEL NUMBER 32003CINDOC (2165), MAP REVISED NOVEMBER 16, 2011. ZONE "X" IS AN AREA DETERMINED TO BE WITHIN THE AREAS OF 0.2% ANNUAL CHANCE FLOOD. AREAS 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH OF LESS THAN 1 FEET OR WITH DRAINAGE AREAS PROTECTED FROM 1% ANNUAL CHANCE FLOOD.

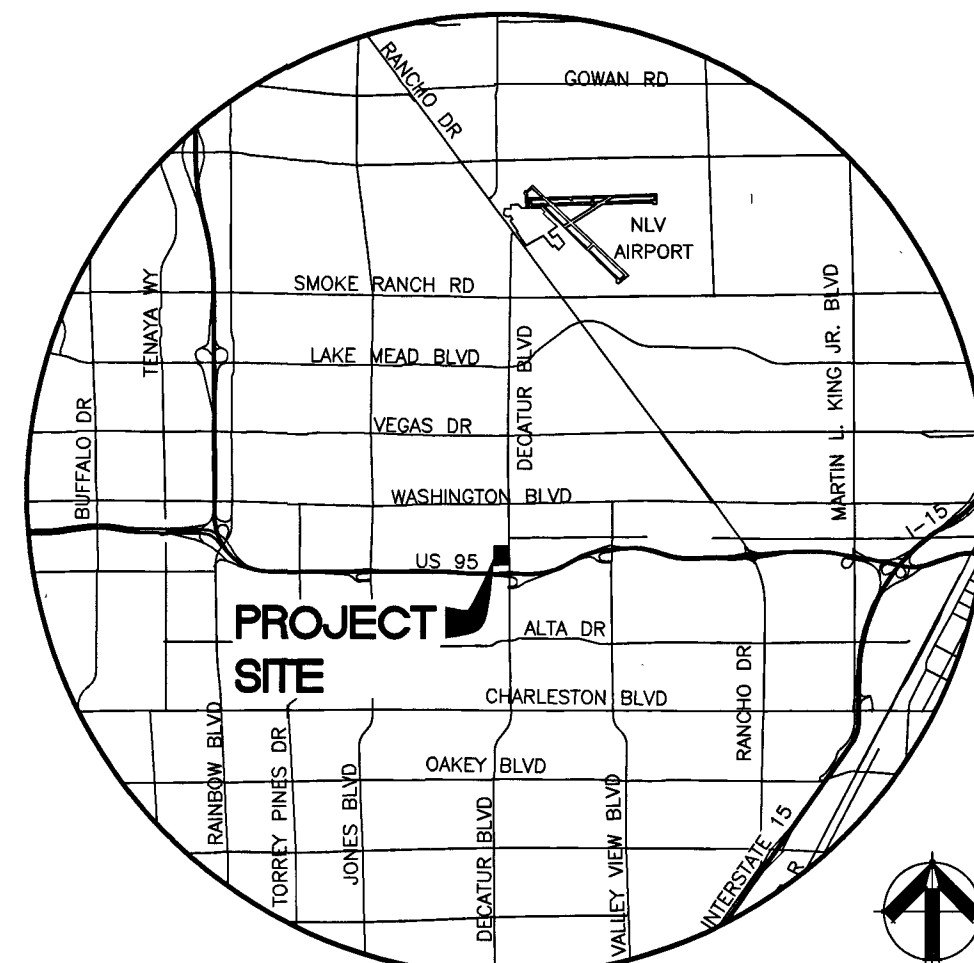
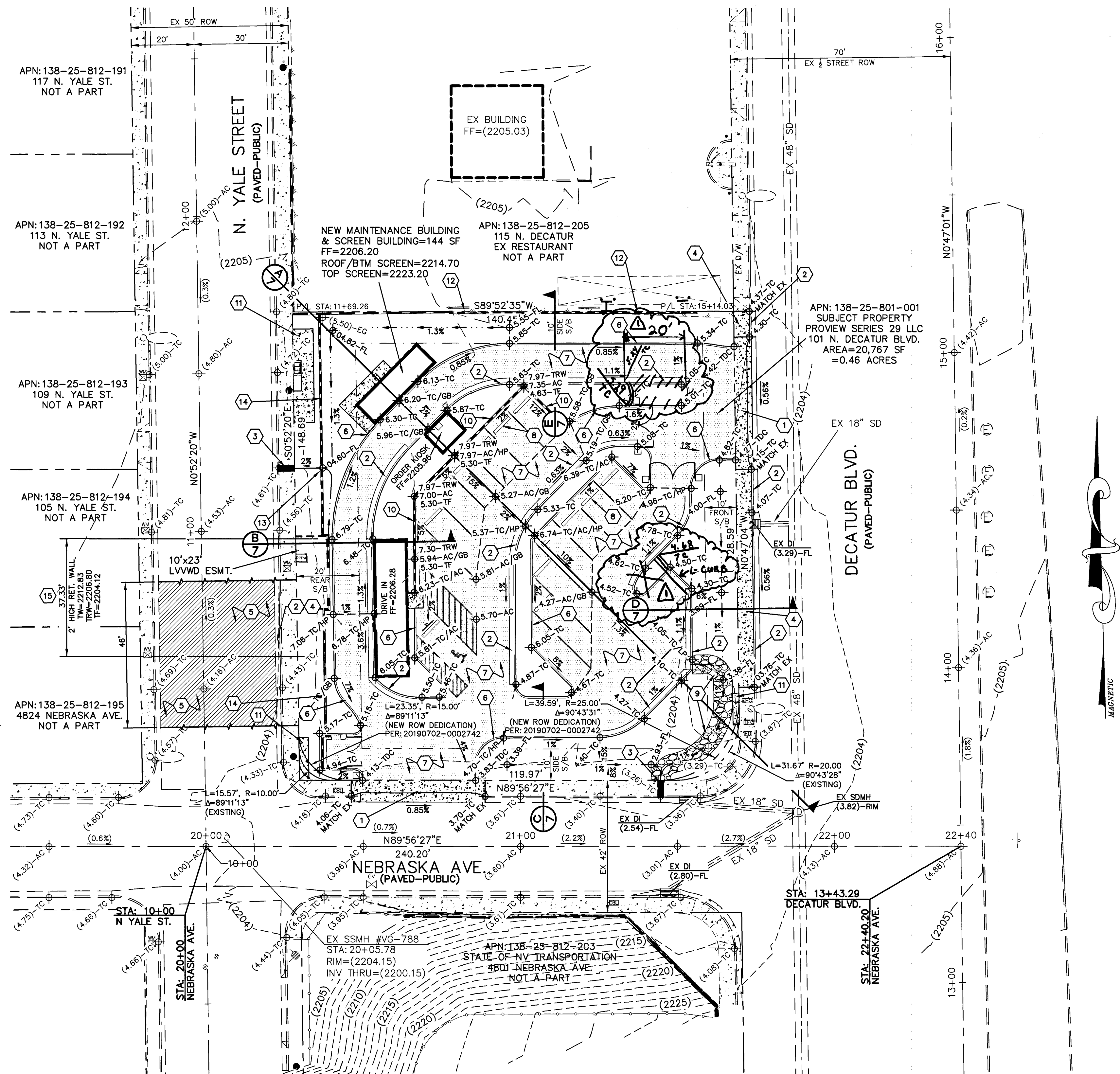
BASIS OF BEARING

NORTH 00°47'01" WEST BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN BY MAP THEREOF IN FILE 35 OF SURVEYS, PAGE 43, CLARK COUNTY, NEVADA, OFFICIAL RECORDS.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL v.2005-2007
BENCHMARK NAME: 7LV01305WS

RIVET AND ROUND ALUMINUM PATE IN TOP OF CURB, NORTHEAST CORNER OF DECATUR BLVD. AND THE OVERPASS FOR US 95
NAVD 88 DATUM 673.630 METERS (2210.07 FEET)



VICINITY MAP
T20S/R60E/ SEC 25

SEE SHEET #1 FOR LEGEND AND ABBREVIATIONS

CURB GRADE NOTE:

CURB FLOWLINES LESS THAN 0.80% GRADE SHALL BE WATER TESTED. ANY CURB THAT DOES NOT FLOW SHALL BE REMOVED AND REPLACED AT NO COST TO THE CITY.

CONSTRUCTION NOTES

- INSTALL COMMERCIAL DRIVEWAY OPTION "A" PER CCAUSD No. 224.
- INSTALL "L" TYPE CURB & GUTTER PER CCAUSD DWG No. 216. SEE CURB GRADE NOTE THIS SHEET.
- INSTALL SIDEWALK DRAIN PER CCAUSD DWG No. 236.
- INSTALL 5" WIDE CONCRETE SIDEWALK PER CCAUSD DWG No. 234.
- UTILITY PATCH PER CCAUSD No. 503.1, 500.1 AND 500.5. EXACT LIMITS OF PAVEMENT PATCH TO BE DETERMINED BY A CLV INSPECTOR.
- INSTALL "A" TYPE CURB PER CCAUSD DWG No. 219.
- INSTALL ON-SITE 3" AC PAVEMENT PER THIS DETAIL:
TYPICAL ON-SITE PAVEMENT SECTION
 ENGINEER: GEOTEK, INC.
 JOB NUMBER: 14533-LV
 DATE: JANUARY 7, 2019
 N.T.S.

3" ASPHALT CONCRETE
5" TYPE II A.B. AT 95% MAX. DENSITY

NOTE: GEOTECHNICAL REPORT OUTLINES SPECIAL CONSIDERATIONS FOR OVEREXCAVATION, PAD DESIGN AND RETAINING WALL DESIGN DUE TO POOR SOIL CONDITIONS. REFER TO GEOTECHNICAL REPORT FOR ALL EARTHWORK ACTIVITIES.

- INSTALL CONCRETE BUMPER BLOCK PER CCAUSD No. 238.
- INSTALL 6" WIDE RIP-RAP LANDSCAPE SWALE PER DETAIL SHEET #7.
- INSTALL 2' MAX HIGH RETAINING WALL.
- INSTALL NEW SIDEWALK PER CCAUSD No. 234. BEHIND THE STREETLIGHTS FOR ADA ACCESSIBILITY. SEE SHEET #4 FOR SIDEWALK DIMENSIONS.
- EXTEND EXISTING CMU SCREEN WALL ALONG PROPERTY LINE. SEE WALL CONSTRUCTION NOTES THIS SHEET.
- BLOCK WALL OPENING PER DETAIL SHEET #7.
- REMOVE (DEMO) EXISTING CMU WALL ALONG YALE STREET AND REPLACE WITH 6" HIGH SCREEN WALL PER CCAUSD B-100-2 OR EQUIVALENT. SEE WALL CONSTRUCTION NOTES THIS SHEET. NOTE: WALL HAS JOG AROUND LVVWD ESMT.
- REMOVE (DEMO) EXISTING CMU WALL ALONG YALE STREET AND REPLACE WITH 2' MAX RETAINING WALL UNDER 6" HIGH SCREEN WALL. SEE WALL CONSTRUCTION NOTES THIS SHEET.

EARTHWORK QUANTITIES

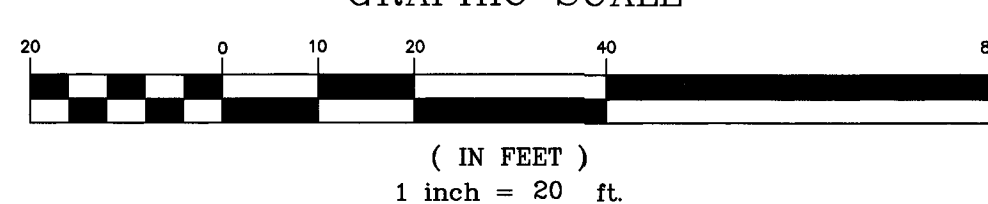
IMPORT (FILL)	425 CY
EXPORT (CUT)	19 CY
IMPORT (FILL)	406 CY

EARTHWORK QUANTITIES ARE TO FINISHED GRADE.

GEOTECHNICAL NOTE:

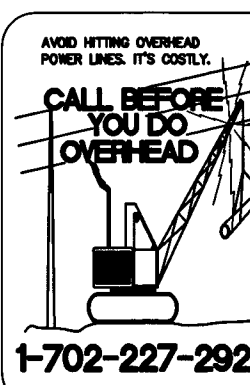
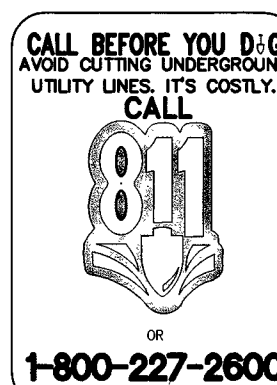
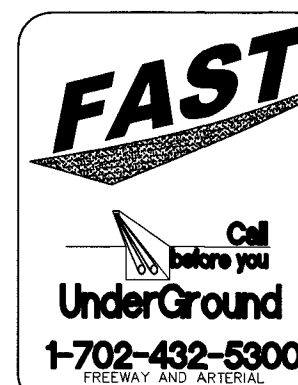
ALL GRADING SHALL CONFORM TO THE SOIL REPORT.
ENGINEER: GEOTEK, INC.
JOB NUMBER: 14533-LV
DATE: JANUARY 7, 2019
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GRAPHIC SCALE



WALL CONSTRUCTION NOTES:

- SEE GEOTECHNICAL REPORT AND STRUCTURAL PLANS FOR WALL AND FOOTING DESIGN.
- SEE GEOTECHNICAL REPORT FOR TOP OF FOOTING COVER. THESE PLANS ASSUME A MINIMUM 0.67' ± OF COVER OVER TOP OF FOOTER.
- SEE STRUCTURAL PLANS FOR SOLID GROUTING AND WATERPROOFING DESIGN.
- TOP OF RETAINING WALL (TRW) AND TOP OF FOOTER (TF) ELEVATIONS SHOWN ON THE GRADING PLAN ARE APPROXIMATE AND NEED TO BE VERIFIED BY MASON BEFORE CONSTRUCTION.
- ALL WALLS SHALL CONFORM TO CITY OF LAS VEGAS STANDARDS.



L19-00188
107V 7959

Job No.

FILE No.

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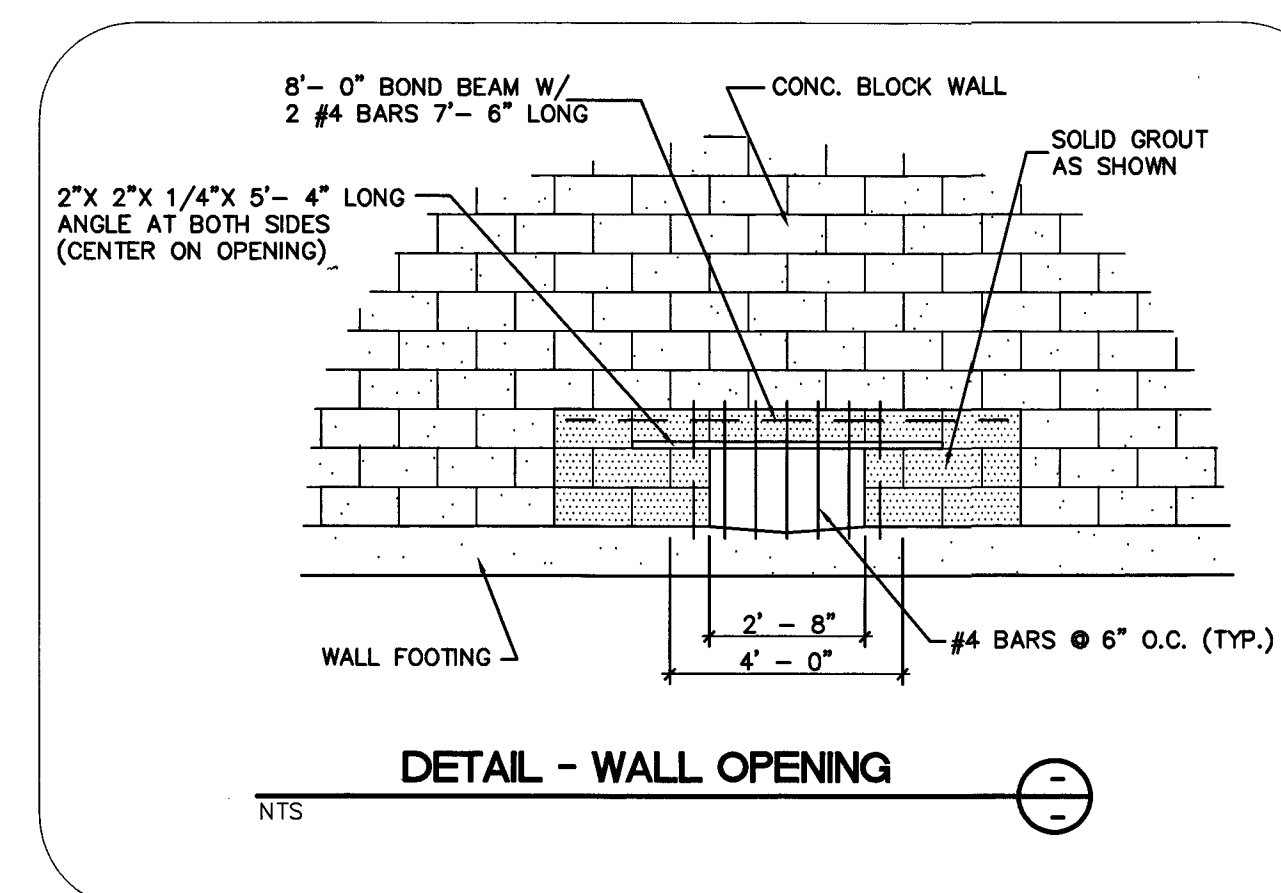
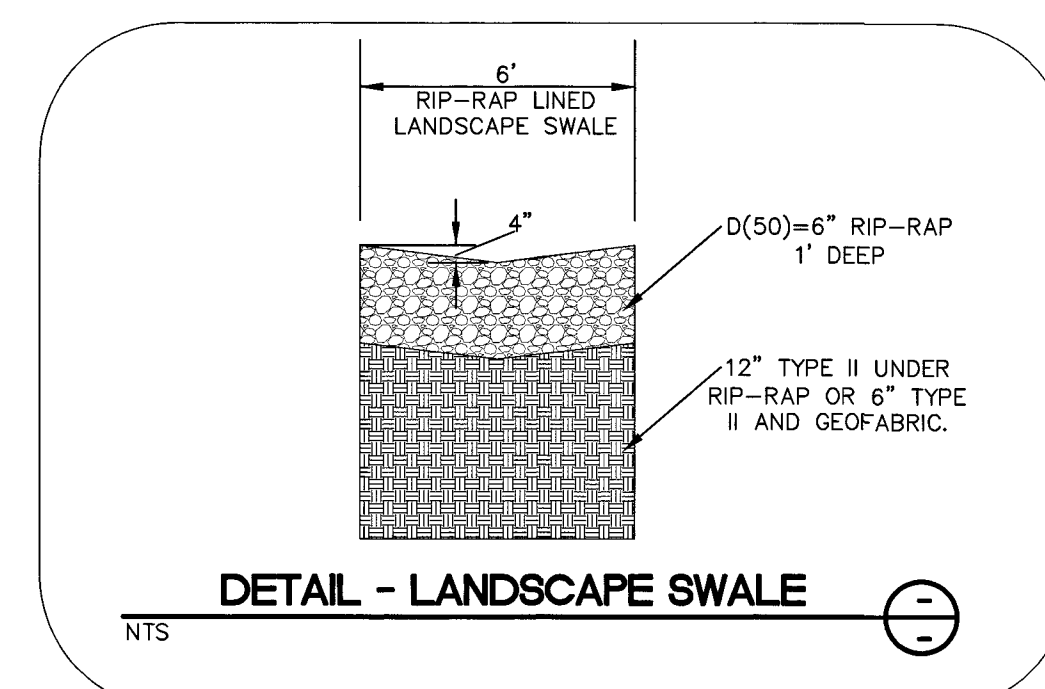
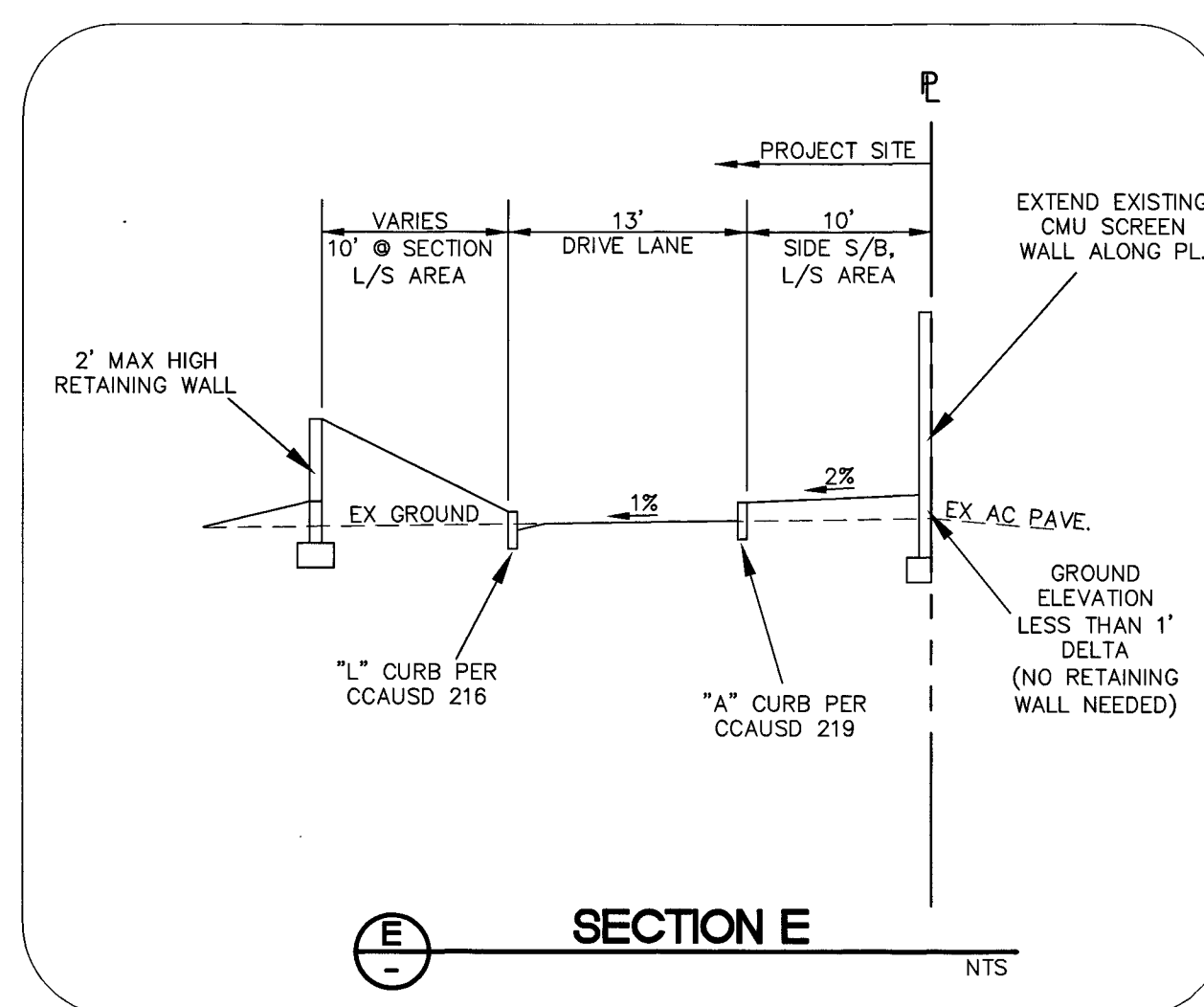
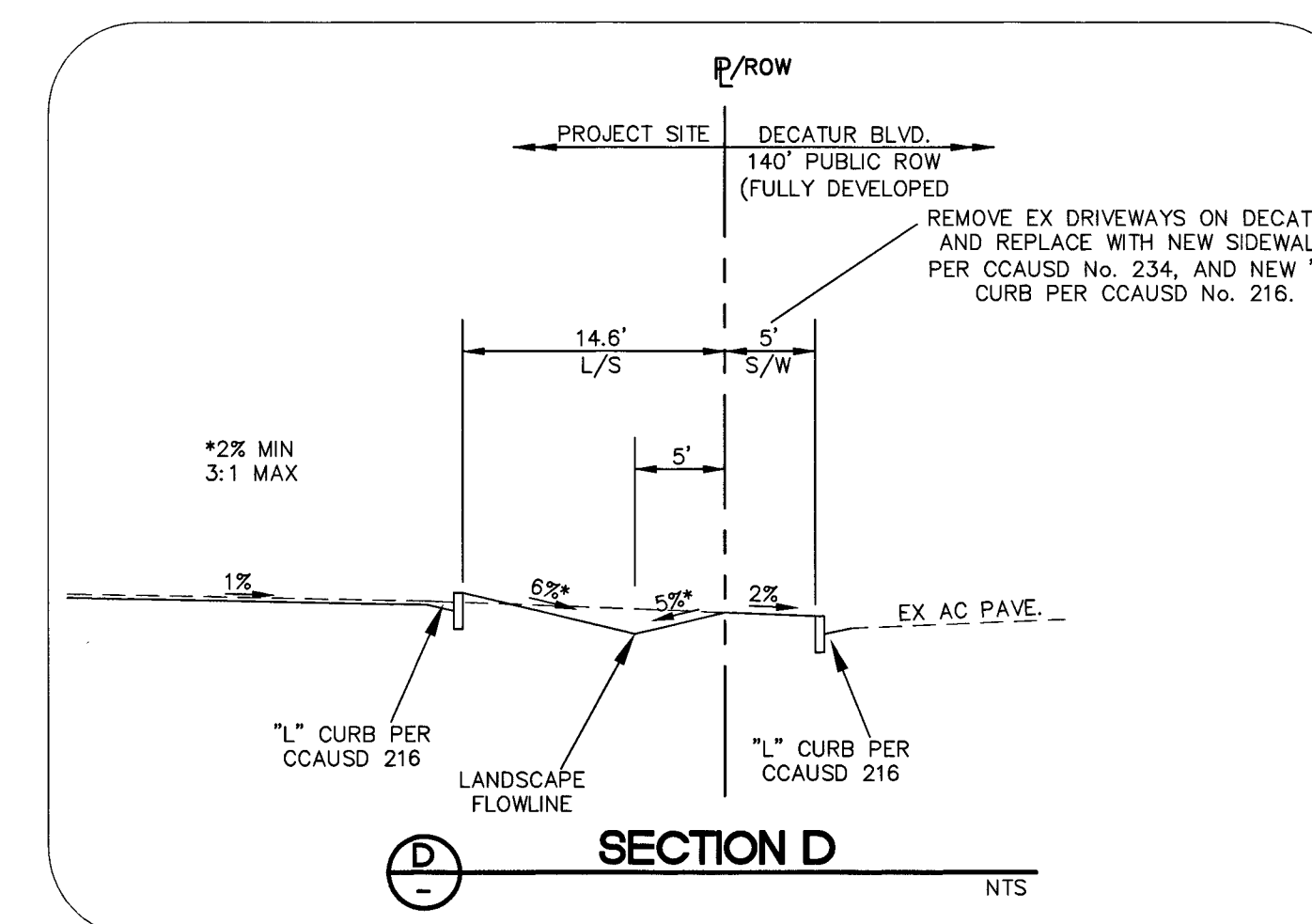
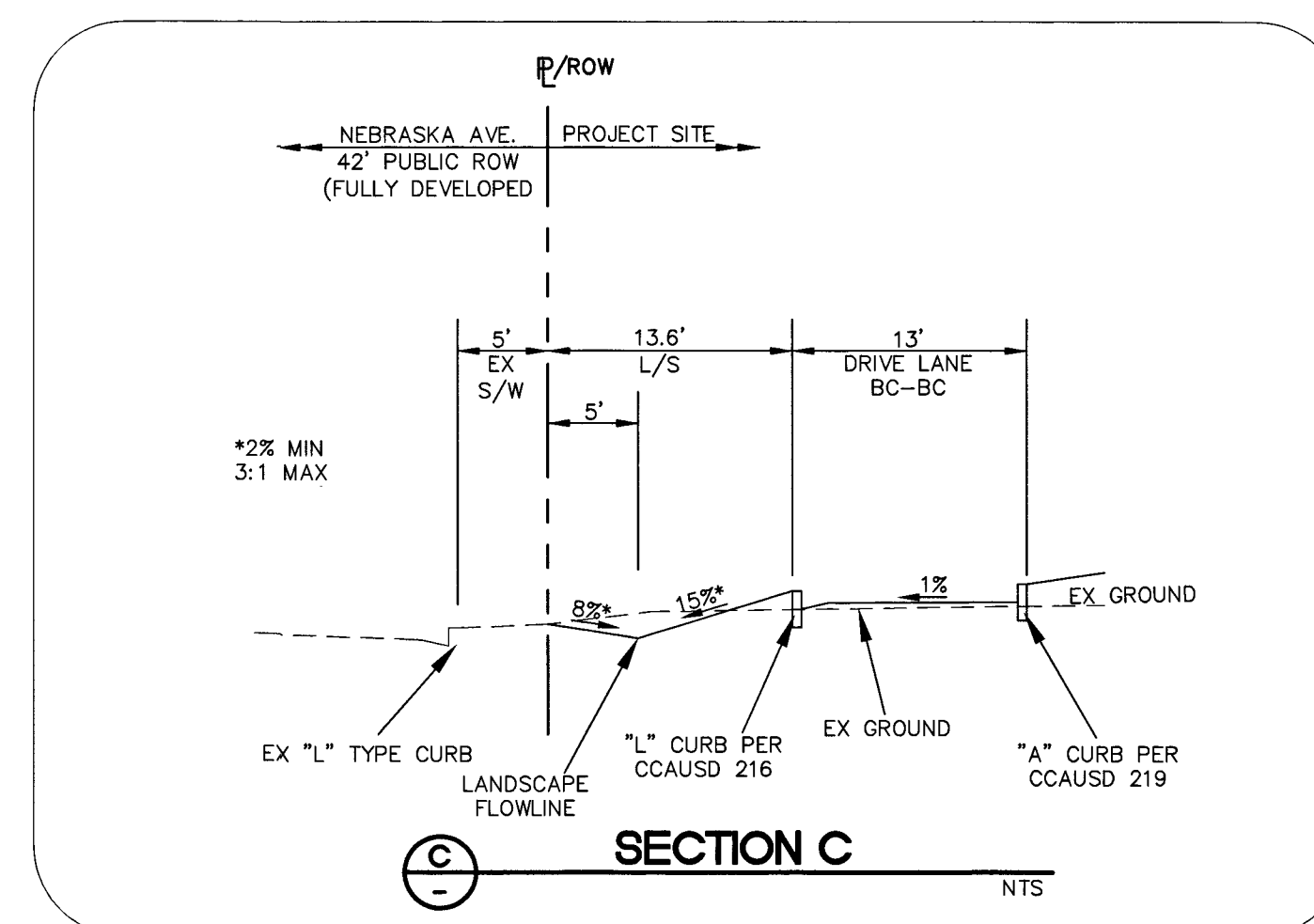
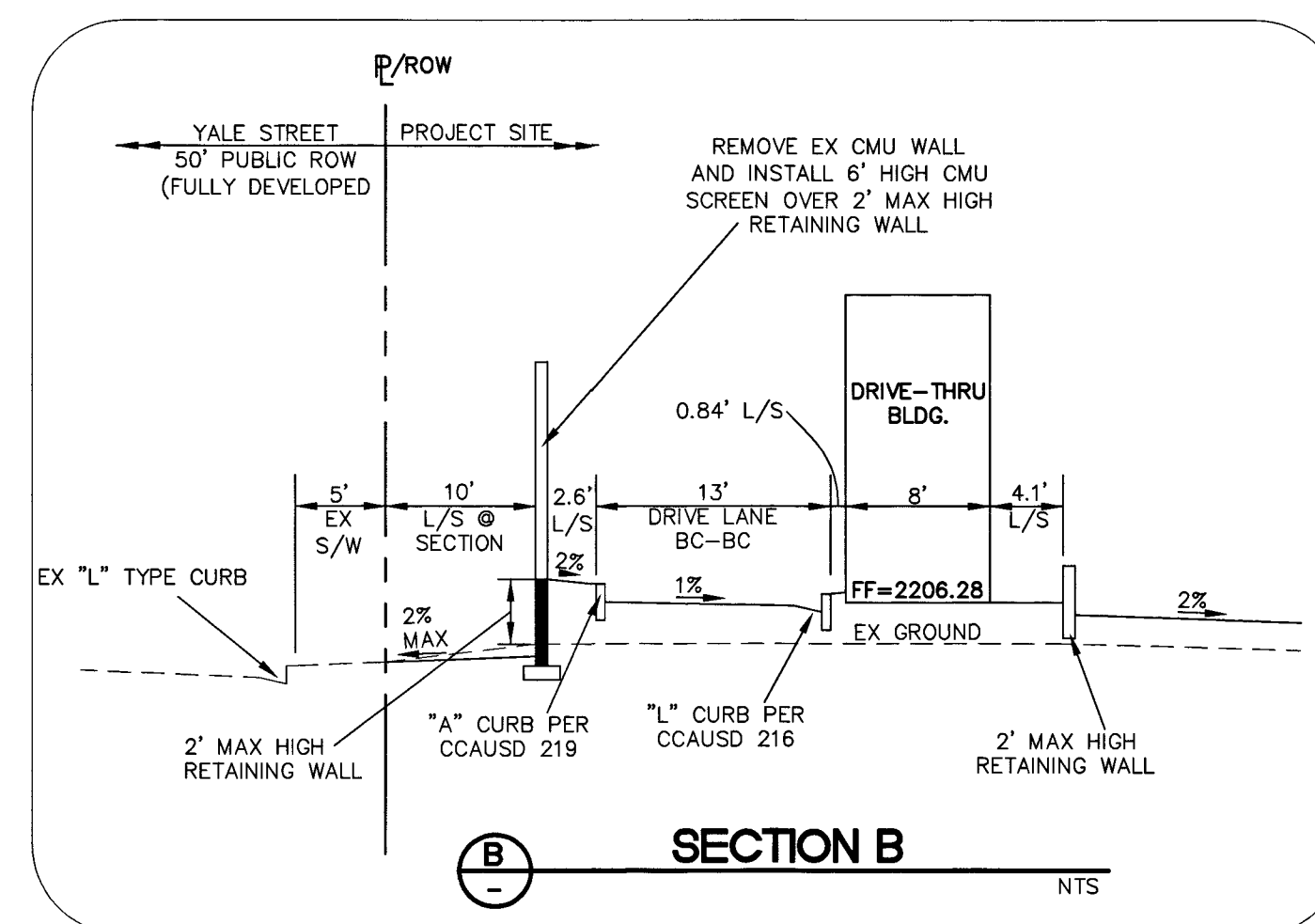
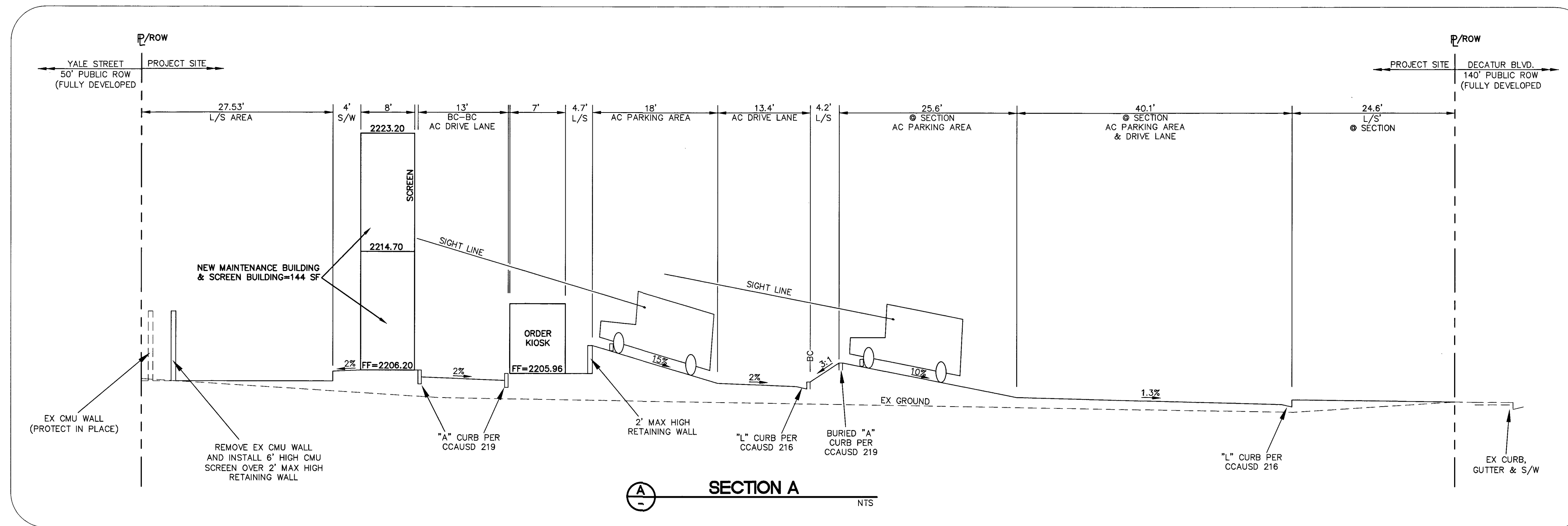
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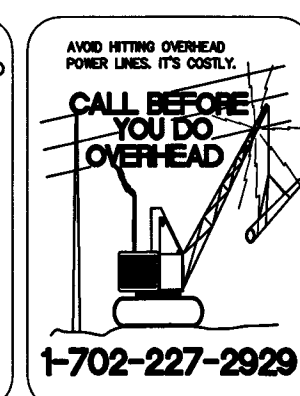
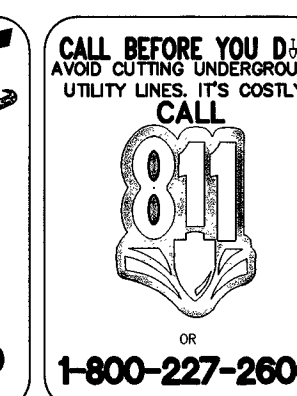
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- WALL CONSTRUCTION NOTES:**
- 1.) SEE GEOTECHNICAL REPORT AND STRUCTURAL PLANS FOR WALL AND FOOTING DESIGN.
 - 2.) SEE GEOTECHNICAL REPORT FOR TOP OF FOOTING COVER. THESE PLANS ASSUME A MINIMUM 0.67'± OF COVER OVER TOP OF FOOTER.
 - 3.) SEE STRUCTURAL PLANS FOR SOLID GROUTING AND WATERPROOFING DESIGN.
 - 4.) TOP OF RETAINING WALL (TRW) AND TOP OF FOOTER (TF) ELEVATIONS SHOWN ON THE GRADING PLAN ARE APPROXIMATE AND NEED TO BE VERIFIED BY MASON BEFORE CONSTRUCTION.
 - 5.) ALL WALLS SHALL CONFORM TO CITY OF LAS VEGAS STANDARDS.

GEOTECHNICAL NOTE:
ALL GRADING SHALL CONFORM TO THE SOIL REPORT.
ENGINEER: GEOTEK, INC.
JOB NUMBER: 14533-LV
DATE: JANUARY 7, 2019
NOTE: GEOTECHNICAL REPORT OUTLINES SPECIAL CONSIDERATIONS FOR OVEREXCAVATION, PAD DESIGN AND RETAINING WALL DESIGN DUE TO POOR SOIL CONDITIONS. REFER TO GEOTECHNICAL REPORT FOR ALL EARTHWORK ACTIVITIES.



119-00188
107V7959

Job No. 18340	
FILE No.	
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APPROVED	
REVISIONS	
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