

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" OF THE STATE OF CALIFORNIA, LATEST EDITION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED ISSUE, AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY. THE ABOVE BUILDING CODES AND SPECIFICATIONS ARE THE LOCAL ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITIES, LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLY PLANS LIBRARY ARE APPROXIMATE AND NOT FOR CONSTRUCTION PURPOSES. EXISTING UTILITIES ARE LOCATED 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 UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL LOCATE 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 COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET CLOSURES. ANY DAMAGE TO UTILITIES WHICH ARE NOT TO BE REMOVED, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORILY TO THE CITY ENGINEER OR 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. THE MINIMUM CURB CANT SHALL BE 12" MINIMUM 6" CONC. MIX TO BE 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.
5. PROVIDED FOR THE CITY ENGINEER'S REVIEW AND APPROVAL OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
6. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
7. C&P PAVEMENT TO BE ONE-HALF (1/2") ABOVE PL'Y OF ALL GUTTERS AFTER COMPACTATION EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
8. CURB & GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY & LAS VEGAS SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH SPEC. 216. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY VARY IN THE FIELD BY THE CITY ENGINEER.
9. THE 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 EXISTING SURFACES SHALL BE SHOWN ON THE PLANS. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER, AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
10. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES REPAIR.
11. THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH STANDARD DRAWING 225.
12. 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.
13. 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, NEEDED WALLS REQUIRE A SEPARATE PERMIT AND CONSTRUCTION BY BUILDING DEPARTMENT.
14. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
15. THE CONTRACTOR SHALL ADJUST THE GRADING TO THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR CEMENT-CONCRETE COLLECTOR PIPES AND MANHOLES. REWARD 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 LATEST EDITION OF THE 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 PLANNING ENGINEER.
3. CHISEL "S" OR "O" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE, SHALL MEET ASTM D-3034, SDR 35 SPECIFICATIONS, AND 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 STRONGER THAN EIGHTY (80') FOOT COLLARS. COLLARS IN DRIVEWAYS OR 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 MAIN LINES TWELVE INCH (12") AND LARGER SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED TWELVE INCH (12") OR ABOVE. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVMD STANDARDS. WHENEVER SEWER MAINS CROSS UNDER WATER MAINS, THE SEWER MAIN SHALL BE DEEPER THAN EIGHTEEN INCH (18") UNDER THE WATER MAIN.
7. 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.
8. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE, REPAIR OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY PLANNING ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
9. INSTALLATION OF CURVED SEWER REQUIRES SPECIAL CONSTRUCTION PROCEDURES AND INSPECTIONS. CONTACT CITY OF LAS VEGAS CONSTRUCTION SERVICES 24 HOURS PRIOR TO INSTALLATION.

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, TUNICAMUNDO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY COURT ORDER FOR LATEST REVISION, AND TUNICAMUNDO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA. LATEST REVISION, AND THE TUNICAMUNDO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC/ELECTRICAL FIELD OPERATIONS DIVISION AND THE CITY ENGINEER. IF A DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623.10.03 (E) OF THE SPECIFICATIONS.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL EXISTING STREET LIGHTS SHALL HAVE LATEST REVISIONS TO BE SUBJECT TO FIELD INSPECTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE OF EIGHTEEN INCHES (18") TO THE FACE OF STREET LIGHTING POLE ON ALL SIDES OF THE STREET AND BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE ELECTRICAL SERVICES SECTION PRIOR TO ANY PRE-FIELD INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NEVADA POWER COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE PLANS.
8. IF THE SHIELD OF THE EXPOSED SERVICE POINT IS NOT SHOWN ON THE PLANS, 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, THE CITY ENGINEER SHALL BE NOTIFIED PRIOR TO ANY CONSTRUCTION. ATTACH TO THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED AT NO EXPENSE TO THE CITY OF LAS VEGAS.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT ORDINANCE # 5115, FOR SPECIFICATIONS AND HYDRANT LAYOUT SPECIFICATION.
- AUTHORIZED FIRE HYDRANTS FOR THIS PROJECT ARE:
A. KENNEDY - GUARDIAN
B. MUELLER - SUPER CENTURION 250 MODEL A-423
C. GLOUCESTER - MEDICAL
- ON AN RESIDENTIAL OR COMMERCIAL INSTALLATIONS FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE ANY CONSTRUCTION OF THE BUILDING IS STARTED. CONSTRUCTION, ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FLOW.
- TO IDENTIFY THE FIRE HYDRANT LOCATIONS, CONTRACTOR SHALL PLACE A SIGN AT EACH END OF THE FIRE HYDRANT STREET ADJACENT TO THE FIRE HYDRANTS AS REQUIRED BY ORDINANCE # 5115.
- ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES SHALL BE COMPLETED BEFORE ANY CONSTRUCTION OF THE TYPE OF STRAY VESSES INSPECTION HOT LINE AT 726-5971. TO REQUEST AN INSPECTION OF THE FIRE HYDRANT SYSTEMS, CALL THE CITY OF LAS VEGAS FIRE DEPARTMENT.
- PAINTING OF THE CURBS AND FIRE HYDRANTS AND ALL OTHER WORK NECESSARY AS REQUIRED BY ORDINANCE # 5115, FOR THE FIRE HYDRANT LOCATION IDENTIFICATION, SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
- A PERMIT IS REQUIRED FROM THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR THE ON-SITE WATER LINES AND FIRE HYDRANTS. CONTRACTORS MUST CONTACT THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR UNDERGROUND PIPING FORM AND MUST OBTAIN IT FROM THE FIRE DEPARTMENT ENGINEERING DIVISION BEFORE ANY WORK.
- PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
- PRIOR TO THE FINAL OCCUPANCY, FLOW TEST MUST BE WITNESSED BY THE CITY OF LAS VEGAS FIRE DEPARTMENT TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW.
- ALL UNDEGROUND JOINTS AND MATERIALS SHALL BE UL LISTED, A.W.W.A. APPROVED, AND SHALL BE RATED FOR THE APPROVED WORKING PRESSURE.
- FIRE HYDRANTS SHALL BE 8" DIAMETER UNSPRINKLERED, 600 FEET RESIDENTIAL, 500 FEET UNSPRINKLERED, 1,000 FEET INDUSTRIAL SPRINKLERED, 600 FEET COMMERCIAL.
- WHERE FIRE WATER MAINS ARE EXTENDED ALONG STREETS WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FOOT SPACING FOR PROVIDING FIRE PROTECTION.
- NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF CUL-DE-SACS WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB OR OBSTRUCTION.
- THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FEET.
- THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTURE POINT SHALL NOT EXCEED 100 FEET.
- MEASURED BY AN APPROVED ROUTE.
- TWO SQUARE FEET OF LEAD SHALL BE INSTALLED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS/SPRINKLER LEADS INTERSECT ON A SINGLE SYSTEM.
- SECTION 2. CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.
- ALL FIRE APPARATUS ACCESS ROADS SHALL HAVE AN OBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET (UP TO THE GUTTER) TO THE OTHER SIDE OF THE GUTTER), 22 FEET (UP TO THE GUTTER) TO THE OTHER SIDE OF THE GUTTER), 28 FEET (UP TO THE GUTTER TO THE UP OF THE GUTTER), 30 FEET (UP TO THE PARKING LOT TO THE OTHER SIDE OF THE GUTTER), IF PARALLEL PARKING IS ALLOWED BOTH SIDES. VERTICAL CLEARANCE SHALL BE MAINTAINED AT 10 FEET.
- ALL FIRE APPARATUS ACCESS ROADS SHALL B-PAVED TO PROVIDE REINFORCED CONCRETE DRIVEWAYS TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS.
- THE GRADE/FOR A FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6%.
- THE TURNING RADIUS OF A FIRE APPARATUS ACCESS ROAD SHALL BE THE TURNING RADIUS OF 45 FEET OUTSIDE AND 22 FEET INSIDE TURNING RADIUS.
- APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED ABOVE THE LEVEL OF THE DRIVEWAY.
- PUBLIC EXCEPTION IN LOS II SECTION 402.
- AT DEAD-END FIRE APPARATUS ACCESS ROADS AND OR FIRE LANES PUBLIC AREA HIGHER THAN 81 FEET (BACK OF THE CURB TO THE BACK OF THE CURB).
- 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNING RADIUS HIGHER THAN 81 FEET (BACK OF THE CURB).
- ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED YELLOW SIGNS AT 150 FEET INTERVALS.
- SIGN AT THE END OF THE FIRE LINE AND WITH SIGNS AT INTERVALS OF 150 FEET OR SHORTER.
- ON BOTH SIDES OF AN ACCESS/ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 6 FEET TO THE TOP OF THE SIGN.
- ALONG OR ON THE PAVEMENT OR GEMENT IF CURB IS NOT PROVIDED ANGLE TO THE CENTER WITH RED WEATHER RESISTANT PAINT.
- ADDITION TO THE SIGNS.
- ELECTRICALLY CONTROLLED CROSSINGS SHALL BE PROVIDED WITH REMOTELY OPERATED TRAFFIC SIGNALS OR REMOTELY OPERATED TRAFFIC SIGNALS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS.

(A) CONSTRUCT "L" CURB & GUTTER PER STD. # 216

(B) CONSTRUCT SIDEWALK PER STD. # 234

(C) CONSTRUCT CROSS GUTTER PER STD. # 228

(D) CONSTRUCT SIDEWALK RAMP PER STD. # 235

(E) CONSTRUCT SIDEWALK DRAIN PER STD. # 236

(F) CUT & MATCH 2' BEYOND EXIST. A.C.

THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, (2701), DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 802, 803, 804, AND 805 AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

PROJECT DATUM NAVD88

CLARK COUNTY BENCHMARK USC&GS V-169
ELEVATION: 791.316 METERS (2596.17 FEET)

USC&GS BRASS CAP 400 FT. SOUTH OF LAG CABIN WAY AND 100 FT. EAST
EL CAPITAN WAY JUST EAST OF A BARBED WIRE FENCE

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, 48 HOURS NOTICE SHALL BE GIVEN TO THE WATER PLANS SUPPORT CENTER (258-7177) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVMD INSPECTION.
2. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDCAS), LATEST EDITION.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, 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 COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL CURB GUTTERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND A SANITARY OR STORM SEWER LINE CROSS:
 - A. WHEN OTHER THAN POTABLE WATER SUPPLY MATERIAL (MINIMUM 4" DIAMETER) IS INSTALLED OUTSIDE TO OUTSIDE (OUTSIDE TO OUTSIDE), THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE WATER LINE SHALL BE UNDER THE SEWER LINE. MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
 - A. POTABLE WATER SUPPLY QUALITY MATERIAL.
 - B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM).
 - C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE CROSSING, MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CREDITED STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO RUSH PURCHASE.
12. CONSTRUCTION OF ANY INTERRUPT SERVICE, WITH LVVMD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY, CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE RESTRICTIONS TO WATER MAINS. ANY SUCH REQUIREMENT, ANY TEMPORARY SERVICE FEEED MUST HAVE PRIOR LVVMD APPROVAL.
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR WATER MAINS, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

FF	FINISH FLOOR	C/L	CENTER LINE
FG	FINISH GRADE	O/C	OFFSET CROWN
FL	FLOW LINE	BC	BACK OF CURB
TC	TOP OF CURB	BCL	BEGIN CURB RETURN
TRC	TOP OF ROLL CURB	BC	BACK OF CURB LENGTH
EP	EDGE OF PAVEMENT	TP	TOP OF PAVING
FUT	FUTURE	GB	GRADE BENCH
EX	EXISTING	PC	POINT OF CURVATURE
VG	VALLEY GUTTER	PT	POINT OF TANGENCY
NG	NATURAL GROUND	PRC	POINT OF REVERSE CURVATURE
N.P.	NORTH POINT	PCC	POINT COMPOUND CURVATURE
LP.	LOW POINT	BVC	BEGIN VERTICAL CURVE
SMH	SEWER MANHOLE	MVC	MID-POINT OF VERTICAL CURVE
W	WATER LINE	ENC	END VERTICAL CURVE
SD	STORM DRAIN	PVC	POINT OF REVERSE VERTICAL CURVE
R	REINFORCED CONCRETE PIPE		

DESCRIPTION	PROPOSED	EXISTING
EX. CONTOUR (5' INTERVAL)		
EX. CONTOUR (1' INTERVAL)		
PROPOSED PAD GRADE		
EDGE OF PAVEMENT		
LOT NUMBER	27	27
BLOCK NUMBER		
SIDEWALK RAMP		
PAD SLOPES		
SLOPE AND FLOW DIRECTION		
RETAINING WALL		
CONC. BLOCK WALL		
R/W OR P/L		
CENTER LINE		
BACK OF CURB		
UP OF GUTTER		
SIDEWALK		
SETBACK LINE		
UNIT BNDRY. LINE		
PRESSURE ZONE BOUNDARY LINE		
SCARP AREA		
SEWER LINE		
WATER LINE		
STORM DRAIN		
FIRE HYDRANT		
STREET LIGHT		
STREET LIGHT CLOUD		

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS, NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR NOTIFICATION.
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 SURFACE FINISH GRADES AND SLOPES.
3. CONTRACTOR SHALL TAKE 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 EXISTING MATERIALS.
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.
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:

1. ALL CONSTRUCTION SIGNING, BARRICADING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK" LATEST EDITION, AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY SIGN IS INSTALLED, THE RIGHT-OF-WAY, THE EXISTING TRAFFIC SIGNAL, AND THE EXISTING SIGNAGE SHALL BE IN THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENROACHMENTS INTO EXISTING CITY STREETS.
4. WHEN THE CONSTRUCTION IS COMPLETED, THE FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
5. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENROACHED UPON BY THE CONSTRUCTION, THE CONTRACTOR SHALL TAKE PRECAUTIONS TO 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.
6. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC CONTROL DEVICES, THE CONTRACTOR SHALL BE REQUIRED TO RESTORE OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL PERMANENT SIGNS SHOWN ON PLANS. ALL 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 12" IN DIAMETER AND 12' IN HEIGHT.
8. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT POST STANDARD AND THE SIGN SHALL BE 12' IN HEIGHT.
9. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO THE COMPLETION OF ANY PAVING OR OTHER PORTIONS OF THE ROAD(S) BEING IMPROVED. HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
10. ALL STOP SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATION FOR PLACEMENT OF STREET NAMES SIGNS.
11. THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORK AND VEHICLES.
12. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETE SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT(C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
14. ALL WORK SHALL BE COMPLETED BY THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO. IS 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL, FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

Call
before you
Dig
1-800-227-2600

Call
before you
OVERHEAD
1-702-593-6111

