

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED ISSUE, 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 FROM A RESEARCH OF THE AVAILABLE RECORDS, EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR; EXISTING UTILITY SERVICES GENERALS MAY NOT BE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE REASONABLE CARE TO PROTECT ALL 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 IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE PUBLIC SATISFACTION BY THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL UTILITIES SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL BE MADE AT 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 REQUIRED FOR THE PUBLIC USE OF THE ROADWAY, IF REQUIRED, 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 (1/2") ABOVE UP OF ALL GUTTERS AFTER CONSTRUCTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB & GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND RECONSTRUCTED TO MEET STANDARD 518.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. THE CONTRACTOR SHALL PROVIDE 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 CONDITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADEWORK SHALL CONFORM TO THE CITY REPORT PREPARED BY THE SOILS ENGINEER, AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR PLANNED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND REPERMANENTED IN THE AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
14. ALL UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAYS, CROOKS, FLOWLINES, AND CROSS GUTTERS UNLESS OTHERWISE APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
15. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSES OF RECORDING GRADE ELEVATIONS. THE CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
16. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO PAVING. THE CONTRACTOR SHALL MAINTAIN THE CURB OF WAY. THE CONTRACTOR SHALL ADJUST ALL NEW & 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.
17. ALL CONCRETE MANHOLE LIDS, VALVE COVERS, AND 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.

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER AND CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OTHER PARTY.
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 SHOWN ON THE PLANS.
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 GAVING.
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 COMPLETION BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GOING 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 ALL AREAS AND SLOPES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF ROTATABLE WATER WHEELS OR 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 ALL 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 THE CONTRACTOR WITH AN ITEM AND A PLAN EXPOSE AND AT THE DIRECTION OF THE ENGINEER. THE TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

Call
before you
OVERHEAD
1-702-593-6111

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR CULVERTS, WATER COLLECTION AND SEWERAGE, AND THE 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 LATEST EDITIONS OF THE STANDARDS.
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 1 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 SHALL HAVE CONCRETE 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 OF TWELVE INCH AND LARGER SHALL REQUIRE SPECIAL CONNECTION PROCEDURES. IN LINE "Y" S SHALL BE USED TWELVE INCH (12") OR ABOVE. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWDG STANDARDS. WHENEVER FEEDER LATERALS CROSS UNDER WATER MAINS, THE SEWER MAINS 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. CONTRACTORS WITH LAS VEGAS CITY CONTRACTS WHOSE MAINS HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION, SEWER MAINS ARE SUBJECT TO EXPOSURE TO TOLERANCE. EXPOSED MAINS SHALL BE REPAIRED OR REMOVED/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, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA," LATEST EDITION, AND THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA," LATEST EDITION.
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. ANY DEVIATION FROM AN APPROVED LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623.0LO.03 (E) OF THE SPECIFICATIONS.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL EXISTING STREET LIGHTING SHALL BE REMOVED AND REPLACED PRIOR 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 WHERE THE POLE IS LOCATED 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 SERVICE POINT. SERVICE POINTS SHALL BE SHOWN ON THE PLANS.
8. ALL EXISTING STREET LIGHTING BASES, AND ALL EXISTING STREET LIGHTING BASES, SHALL BE REMOVED. ALL INSTALLATIONS SHALL REQUIRE A NEW STREET LIGHTING BASE TO BE GIVEN.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING, THE UTILITY SHALL BE REMOVED PRIOR TO THE INSTALLATION OF THE STREET LIGHTING BASES AND 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.

1. ALL CONSTRUCTION SIGNING, BARRICADEING 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 WORK IS STARTED, THE CONTRACTOR SHALL OBTAIN THE CITY OF LAS VEGAS, NV, STREET SIGNING AND TRAFFIC CONTROL DEPARTMENT'S APPROVAL OF THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCRoACHMENTS INTO EXISTING CITY STREETS. THESE SIGNS MUST BE INSTALLED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED. THE CONTRACTOR SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCRoACHED UPON BY A CONSTRUCTION ZONE, THE CONTRACTOR SHALL PROVIDE A WARNING SIGN 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 AVAILABLE 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 CONTROL DEVICES, THE CONTRACTOR SHALL BE REQUIRED TO RESTORE OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL PERMANENT SIGNS SHOWN ON THE PLANS. 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 PROVIDED AND MAINTAINED IN ACCORDANCE WITH STANDARDS.
7. 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 STANDARD AND NOT THE SIGNPOST.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO (S) ALLOWING ANY PUBLIC TRAFFIC onto THE PORTIONS OF THE ROAD(S) BEING IMPROVED. ANY DELAY IN COMPLETION 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 STANDARDS PRIOR TO THE PLACEMENT OF STREET NAMES SIGNS.
10. THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORK AND VEHICLES.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETE AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIES 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.
13. GUARDS MUST BE SET UP BY THE CITY OF THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO: 725-229-3442) 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 THE SAME AS THE CONTRACTOR'S CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT'S ORDINANCE # 5115, HYDRANT SPECIFICATIONS AND THE CITY OF LAS VEGAS FIRE DEPARTMENT'S SPECIFICATIONS.
2. AUTHORIZED BY THE CITY OF LAS VEGAS FOR THIS PROJECT ARE:
A. MUELLER A-423 CENTURIAN
B. CLOW MODEL 2548 MEDALLION
3. ON ANY EXISTING OR COMING INSTALLATIONS FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE ANY CONSTRUCTION OF THE PROJECT OR ANY OTHER CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW.
4. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, CONTRACTOR SHALL PLACE RED PLYWOOD OR CONCRETE MARKERS AT THE END OF STREET ADJACENT TO THE FIRE HYDRANTS AS REQUIRED BY ORDINANCE # 5115.
5. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE COMPLETED BEFORE ANY MAJOR CONSTRUCTION. THE CITY OF LAS VEGAS INSPECTION HOT-LINE AT 226-2071 TO REQUEST AN INSPECTION.
6. PAINTING OF THE CURBS AND FIRE HYDRANTS AND ALL OTHER WORK NECESSARY AS REQUIRED BY ORDINANCE # 5115, FOR THE FIRE DEPARTMENT SHALL BE COMPLETED BEFORE ANY CONSTRUCTION SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. A PERMIT IS REQUIRED FROM THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR THE ON-SITE WATER LINES AND FIRE HYDRANTS. THE CITY OF LAS VEGAS FIRE DEPARTMENT SHALL BE NOTIFIED FOR UNDERGROUND PIPING WORK SHALL BE OBTAINED FROM THE FIRE DEPARTMENT ENGINEER. THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR UNDERGROUND PIPING WORK SHALL BE OBTAINED FROM THE FIRE DEPARTMENT ENGINEER.
8. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
9. PRIOR TO THE FINAL OCCUPANCY, A FLOW TEST MUST BE WITNESSED BY THE CITY OF LAS VEGAS FIRE DEPARTMENT TO VERIFY THE AVAILABILITY OF THE REQUIRED FIRE FLOW.
10. ALL FIRE HYDRANTS, INCLUDING THE LINES AND MATERIALS SHALL BE U.I. LISTED, A.W.W.A. APPROVED, AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE.
11. FIRE HYDRANTS SHALL BE:
RESIDENTIAL - 500 FEET UNSPRINKLERED, 1000 FEET SPRINKLERED, COMMERCIAL - 300 FEET UNSPRINKLERED, 600 FEET SPRINKLERED.
12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS WHERE FIRE HYDRANTS SHALL BE INSTALLED, THE CITY OF LAS VEGAS FIRE DEPARTMENT SHALL BE NOTIFIED. FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FEET FROM THE PROPERTY LINE TO PROVIDE FOR THE REQUIRED RADIUS OF CURB.
13. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF CURB OF THE SAC ON WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF CURB.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB OR SIDEWALK, OR WITHIN 6 FEET OF ANY OTHER OBSTRUCTION.
15. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE END OF A ROAD SHALL BE 200 FEET.
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT ACCESS ROAD (PARALLEL) SHALL BE 100 FEET.
17. MEASURED BY AN APPROVED ROUTE.
18. TWO SOLENOID VALVES SHALL BE INSTALLED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM.
19. SECONDARY 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.
20. ALL FIRE APPARATUS ACCESS ROADS SHALL HAVE AN OBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET (UP OF THE GUTTER TO THE UP OF THE GUTTER), 28 FEET (UP OF THE GUTTER TO THE UP OF THE GUTTER), 32 FEET (UP OF THE GUTTER TO THE UP OF THE GUTTER), 36 FEET (UP OF THE GUTTER TO THE UP OF THE GUTTER), IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES OF THE VERTICAL CLEARANCE SHALL BE MAINTAINED.
21. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE THE SAME STRENGTH FOR FIRE APPARATUS TO BE DESIGNED TO BE MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS.
22. THE TURNING RADIUS FOR A FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL BE MAINTAINED 8 FEET OR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE.
23. THE TURNING RADIUS OF A FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED 8 FEET OR 25 FEET INSIDE TURNING RADIUS.
24. FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 10 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS.
25. EXCEPT IONS IN FIRE DEPARTMENT VEHICLE ACCESS SHALL BE MAINTAINED 8 FEET OR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE.
26. ALL DEAD-END FIRE APPARATUS ACCESS ROADS AND OR FIRE LANES, 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN ARROUND OR A BREAK HAVING A MINIMUM DIAMETER OF 81 FEET (BACK OF CURB TO THE BACK OF CURB).
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING WHITE PAVEMENT MARKING WITH WHITE PAINT. THE MARKING SHALL BE A SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FEET. ALL SIGNS SHALL BE 18 INCHES IN HEIGHT. THE SIGNS SHALL BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 6 FEET ABOVE THE GROUND OR PAVEMENT OR CEMENT IF CURB IS NOT PROVIDED ALONG OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PROVIDED ALONG OR ON THE PAVEMENT WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED TURN ARROUND OR A BREAK HAVING A MINIMUM DIAMETER OF 81 FEET (BACK OF CURB TO THE BACK OF CURB).
29. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT'S SPECIFICATIONS FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

SEE INDIVIDUAL IMPROVEMENT PLANS

NONE

PROJECT DATUM: NAVD88

CITY OF LAS VEGAS BENCHMARK: OLVO0-32SSE6
NAVD88 ELEVATION: 821.347 METERS (2694.70 FEET)
RIVET AND PLATE IN TOP OF CURB, NORTHEAST RETURN OF
CHARLESTON BLVD. & MERIALDO LANE.

SOUTH 89°26'21" WEST, BEING THE BEARING OF 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, CLARK COUNTY,
NEVADA, AS SHOWN ON THAT CERTAIN PARCEL MAP ON FILE IN THE
OFFICE OF THE CLARK COUNTY RECORDER IN FILE 60 OF PARCEL MAPS,
AT PAGE 16.

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, 48 HOURS MUST ELAPSE BEFORE THE WATER PLANS ARE RELEASED TO THE CENTER (258-771) 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. THE WATER DISTRICTS SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2. SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION DATE IMPROVEMENTS - CLARK COUNTY AREA.
3. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD. DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
4. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
5. ALL WATER METER SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB CUTTERS.
6. THE SANITARY OR STORM SEWER MUST BE MET IN THE EVENT A WATER LINE IS SAID TO CROSS OR CROSS UNDER. THE MINIMUM SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION IS MAINTAINED, MATERIALS FOR THE WATER LINE MUST BE USED UNDER THE SANITARY OR STORM SEWER LINE. THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR

1. EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
2. WARNING TAP SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER LARGER SERVICE, LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLOT NO. 27.
3. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO THE BEGINNING OF THE DISTURBANCE.
4. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
5. CONSTRUCTION MAY INTERRUPT SERVICE WITH LVVMD APPROVAL AND PROPER NOTIFICATION. BETWEEN THE HOURS OF 7 AM AND 5 AM SUNDAY THROUGH THURSDAY, CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVMD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVMD APPROVAL.
6. ALL WATER FACILITY CONSTRUCTION MATERIALS USED SHALL BE AS LISTED ON THE PREVIOUSLY PREPARED WATER USE AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

IN THE EVENT THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS, INSTALLATIONS OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTIONS TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARD AND AT THE DEVELOPER'S EXPENSE.

WATER SEWER CROSSING:
WHEN PROTECTION OF THE WATER LINE IS CONSIDERED, THE MINIMUM VERTICAL DISTANCE OF EIGHTEEN INCHES (18") MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SEWER/LINE. IF THE DISTANCE CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTION OR THE WATER LINE MUST BE PLACED UNDER UNDER THE SEWER/STORM LINE THE SEWER/LINE MUST BE CONSTRUCTED WITH ANY ONE OF THE FOLLOWING:

A. EXTRA HEAVY CAST IRON OR DUCTILE IRON PIPE
B. WATER SUPPLY QUALITY
C. ENCASEMENT WITH 4 INCHES MINIMUM OF CONCRETE OR SLEEVING WITH WATER QUALITY PIPE.

EACH OF THESE PROVISIONS MUST BE EXTENDED FOR TEN FEET (10') ON EITHER SIDE OF THE WATER LINE AT 90 DEGREES TO THE CROSSING.

FF	FINISH FLOOR	RW	RIGHT OF WAY
FG	FINISH GRADE	PL	PROPERTY LINE
FL	FINISH LINE	CL	CENTER LINE
TC	TOP OF CURB	OC	OFFSET CROWN
TA	TOP OF ASPHALT	BC	BACK OF CURB
EOP	EDGE OF PAVEMENT	BR	BEGIN CURB RETURN
FUT,	FUTURE	BCL	BACK OF CURB LENGTH
EX	EXISTING	TF	TOP OF FOOTING
VG	VALLEY GUTTER	GB	GRADE BREAK
NC	NATURAL GROUND	PC	POINT OF CURVATURE
H	HIGH POINT	PT	POINT OF TANGENCY
L.P.	LOW POINT	PRC	POINT OF REVERSE CURVATURE
SSMH	SEWER MANHOLE	PRC	POINT OF COMPOUND CURVATURE
W	WATER LINE	BVC	BEGIN VERTICAL CURVE
SD	STORM DRAIN	MVC	MID-POINT OF VERTICAL CURVE
RC	REINFORCED CONCRETE PIPE	EVC	END VERTICAL CURVE

DESCRIPTION	PROPOSED	EXISTING
CONTOUR (5' INTERVAL)		
CONTOUR (1' INTERVAL)		

TYPE OF PAVEMENT

SIDEWALK RAM

RETAINING WALL

LONG. BLOCK WALL

CENTER LINE

TYPE "L" CURB

% RUNNING SLOPE
 % CROSS SLOPE

ARY SEWER LINE

WATER LINE

STREET LIGHT

LIGHT CONDUIT

TRIPLE FIVE NV DEV CP

GENERAL NOTES SHEET

**VONS STORE & RETAIL SHOPS
PECCOLE RANCH TOWN CENTER**

HEET

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BY:

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