

LEGEND

DESCRIPTION	SYMBOL	
	PROPOSED	EXISTING
12" WATER PIPELINE		
66" WATER PIPELINE		
IN-LINE VALVE VAULT		
ACCESS MANHOLE (TO PIPELINE)		
BLOWOFF		
COMBINATION AIR VALVE		
TEST STATION (CATHODIC)		
REDUCER		
END CAP FOR WATER PIPELINE		
WATER VALVE		
FIRE HYDRANT ASSEMBLY		
WATER METER		
WATER METER SIZE		
IDENTIFICATION HEXAGON		
EDGE OF PAVEMENT		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE		
POWER POLE W/GUY WIRE		
STREET LIGHT (GENERIC SYMBOL NOT RELATED TO WATTAGE)		
SURVEY MONUMENT		
POLYGON FOR TRANSMISSION POLE		
ELECTRICAL BOX		
ELECTRICAL PANEL BOX		
CABLE TV		
FENCE		
GAS LINE		
CONTOURS		
DITCH		
SANITARY SEWER		
STORM DRAIN		
UNDERGROUND POWER		
UNDERGROUND TELEPHONE		
CURB, GUTTER AND SIDEWALK		
PROPERTY LINE		
CENTER LINE		
BLOCK WALL		
RIGHT-OF-WAY LINE		
PATENT RESERVATION OR EASEMENT LINE		
SECTION LINE		
ANGLE (HORIZONTAL OR VERTICAL)		
ANGLE OF CURVE		
FIELD WELD		

LAS VEGAS VALLEY WATER DISTRICT GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES FOR PROPER DRAINAGE, AND FOR INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED IN THE FIELD BY THE LVVWD ENGINEER.
- ENCASE OR WELD JOINTS (MLCP) OF NEW WATER LINE TEN (10) FEET BEYOND EACH SIDE OF ALL SEWER MAINS AND LATERALS OR STORM DRAINS WHEN REQUIRED CLEARANCES CAN NOT BE MET OR REPLACE ENTIRE SEWER MAIN FROM MANHOLE TO MANHOLE WITH APPROVED PLANS BY CCWRD. CONSTRUCTION SHALL BE PERFORMED IN THE PRESENCE OR APPROVAL OF CCWRD INSPECTOR AND CONFORM TO DESIGN AND CONSTRUCTION STANDARDS.
- SOME WATER SERVICE LATERALS ARE NOT SHOWN. ALL WATER SERVICE LATERALS SHALL BE PROTECTED IN PLACE OR REPLACED WITH COPPER TUBING AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH THE UDS.
- DURING ALL PHASES OF CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN A 10 FOOT MINIMUM CLEARANCE IN ALL DIRECTIONS OF ALL OVERHEAD POWER LINES AND EQUIPMENT.
- REMOVAL OR RELOCATION OF POWER POLES, TELEPHONE POLES, CABLE POLES OR JOINTLY-OWNED POLES AND APPURTENANCES WHICH INTERFERE WITH THE IMPROVEMENTS REQUIRED TO BE CONSTRUCTED UNDER THIS CONTRACT, SHALL BE COORDINATED BY THE CONTRACTOR WITH THE RESPECTIVE UTILITY COMPANY.
- ALL AGENCY/UTILITY INSPECTORS SHALL BE CALLED WHENEVER WORK IS TO BE PERFORMED NEAR OR ON ANY OF THEIR FACILITIES.
- SEWER LATERALS ARE NOT SHOWN. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS SEWER SERVICE TO CUSTOMERS. SEWER LATERALS CUT DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE PER DESIGN AND CONSTRUCTION STANDARDS OF AGENCY HAVING JURISDICTION AND IN PRESENCE OF CCWRD INSPECTOR. SEWER LATERALS SHALL BE PROTECTED IN PLACE AND A SEWER SUPPORT PLAN SHALL BE PROVIDED TO CCWRD INSPECTOR. CCWRD SHALL BE CONTACTED IMMEDIATELY UPON EXPOSURE AT 702-622-2867 (CELL) OR 702-668-8204.
- SANITARY SEWER MANHOLES SHALL BE PROTECTED FROM DAMAGE WHEN EXCAVATING IN THEIR VICINITY.

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

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00p.m. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT NUMBER IDENTIFIED.
- ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
- 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.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICES LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION OF THE LVVWD DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
- ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01 AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURE'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
- TELEPHONE USA NORTH 811 "CALL BEFORE YOU DIG" AT "811" OR 1-800-642-2444.
- THE INSTALLATION OF THE VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.
- NO LEAD COMPLIANCE NOTE: TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS WITH BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.
- PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS PLATES. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIME.
- DRY UTILITY NOTE: MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSINGS. MAINTAIN 3' PARALLEL SEPARATION.

NDEP BUREAU OF SAFE DRINKING WATER (BSDW) GENERAL NOTES

- ALL MATERIALS AND WATER SYSTEM COMPONENTS THAT COME IN CONTACT WITH POTABLE WATER ARE TO BE NSF CERTIFIED AS COMPATIBLE WITH DRINKING WATER. (NAC 445A.65825 (1)).
- WATER LINES MUST BE DISINFECTED BY THE CONTRACTOR AND COLIFORM TESTS TAKEN BY THE OWNER IN ACCORDANCE WITH SPECIFICATION SECTION 33 13 02 AND AWWA C651-14. COLIFORM RESULTS ARE TO BE SUBMITTED BY THE OWNER TO BSDW FOR REVIEW AND APPROVAL PRIOR TO PLACING THE WATER LINES INTO SERVICE. (NAC 445A.67145 (6)).
- WATER LINES ARE TO BE PRESSURE TESTED IN ACCORDANCE WITH SPECIFICATION SECTION 33 13 02 AND AWWA C600-17 OR AWWA C605-21. (NAC 445A.67145 (7)).
- RESERVOIRS MUST BE DISINFECTED BY THE CONTRACTOR IN ACCORDANCE WITH SPECIFICATION SECTION 33 13 01 AND COLIFORM TESTS TAKEN BY THE OWNER PER AWWA C652-19 AND SUBMITTED TO BSDW FOR REVIEW AND APPROVAL PRIOR TO PLACING THE RESERVOIR INTO SERVICE. (NAC 445A.67085 (3)).
- RESERVOIRS MUST NOT BE PLACED INTO SERVICE UNTIL THE OWNER HAS COLLECTED AND SUBMITTED VOLATILE ORGANIC CHEMICALS (VOC) TEST TO BSDW IN ACCORDANCE WITH AWWA C652-11. (NAC 445A.67085 (2)).
- PIPE AND APPURTENANCES MUST BE SEALED AT THE END OF EACH WORKDAY TO PREVENT ENTRY OF ANIMALS, DIRT, WATER, AND OTHER SOURCES OF CONTAMINATION OR POLLUTION. (NAC 445A.67145 (8)).

SOUTHWEST GAS CORPORATION GENERAL NOTES

- IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020.
- MINIMUM HORIZONTAL AND VERTICAL CLEARANCES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER AS DICTATED BY LOCAL CODES AND STANDARDS.

A. ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES.
- FOR VALVE ADJUSTMENT CONTACT 702-528-7855 14 DAYS PRIOR TO CONSTRUCTION.
- FOR ADJUSTMENT OF CATHODIC PROTECTION TEST POINTS, CONTACT 702-365-2388 14 DAYS PRIOR TO CONSTRUCTION.
- IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT 702-365-2099.
- FOR STANDBY WHEN EXCAVATING (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES CONTACT 702-278-8451 48 HOURS PRIOR TO CONSTRUCTION.

APPROVED BY:

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

CCWRD PIPES #: _____

SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. NO PUBLIC SEWER PROPOSED.

NV ENERGY DATE

CLARK COUNTY WATER RECLAMATION DISTRICT DATE

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

AT & T DATE

CENTRAL TELEPHONE COMPANY, D/B/A CENTURYLINK DATE

KERN RIVER GAS TRANSMISSION DATE

COX COMMUNICATIONS LAS VEGAS, INC. DATE

WATER FACILITIES ARE DESIGNED IN ACCORDANCE WITH UNIFORM DESIGN AND CONSTRUCTION STANDARDS (UDACS) FOR POTABLE WATER SYSTEMS, LATEST EDITION

SOUTHWEST GAS CORPORATION DATE

LAS VEGAS VALLEY WATER DISTRICT DATE