

LAS VEGAS VALLEY WATER DISTRICT NOTES

- NO WORK SHALL BEGIN ON THE WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING APPROVAL OF THE PLANS, NOTICE SHALL BE GIVEN TO THE LVVWD CUSTOMER SERVICE DEPARTMENT (870-4194) 48 HOURS PRIOR TO ACTUAL CONSTRUCTION, AND 24 HOURS PRIOR TO AN INSPECTION.
- CALL BEFORE YOUR DIG 1-800-227-2600.
- ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT LATEST STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS.
- ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE NO. 3, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
- DISTRICT APPROVED SERVICE SADDLES OR TAPPED COLLARS SHALL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY SHALL BE PERMITTED ON 1-1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
- COLLAR SERVICE LATERALS: ALL 3/4" TO 2" SERVICE LATERALS SHALL BE OF COPPER TUBING IN ACCORDANCE WITH THE DISTRICT'S SPECIFICATION TITLED "3502 - COPPER WATER TUBING".
- THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR ACP AND DUCTILE FROM PIPE SHALL BE AS FOLLOWS:

PIPE SIZES	ACP	DUCTILE IRON SLIP JOINT	DUCTILE IRON MECHANICAL JOINT
6 INCH	2.5 DEGREES	2.5 DEGREES	3.5 DEGREES
8-12 INCH	2.5 DEGREES	2.5 DEGREES	2.5 DEGREES
14-16 INCH	2.0 DEGREES	1.5 DEGREES	1.5 DEGREES
18-24 INCH	N/A	1.5 DEGREES	1.5 DEGREES

ON PVC PIPE, THE MAXIMUM OFFSET FOR A 20' LENGTH OF FACTORY BELLED PIPE SHALL BE 16 INCHES FOR 6" PIPE, 12 INCHES FOR 8" PIPE, AND 9 INCHES FOR 10" AND 12" PIPE.

IF THESE OFFSETS CONFLICT WITH THE PIPE MANUFACTURERS RECOMMENDATION, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS AND VALLEY GUTTERS.
- DETECTOR TAPE SHALL BE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED, AND AS FOLLOWS:
 - (a) OVER ALL MAINS NOT INSTALLED 6 FEET FROM BACK OF CURB.
 - (b) OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
- ALL WATER MAINS SHALL BE PRESSURE TESTED AT 200 PSI FOR A CONTINUOUS TWO HOUR PERIOD, IN ACCORDANCE WITH DISTRICT STANDARDS.
- ALL WATER MAINS SHALL BE DISINFECTED, FLUSHED, AND AN ACCEPTABLE HEALTH SAMPLE OBTAINED, PRIOR TO THE CONNECTION OF THE WATER MAIN(S) AND/OR LATERAL(S) TO THE DISTRICTS' SYSTEM.
- CONTRACTOR TO OBTAIN ALL METERS 2" AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 - 48 HOURS PRIOR TO PICKUP.
- EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM EXISTING WATER MAIN SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, THE LATERAL CUT 6" DOWNSTREAM FROM THE CORPORATION STOP AND AGAIN CUT 6" DOWNSTREAM FROM THE FIRST CUT SO THAT A 6" PIECE OF THE EXISTING SERVICE LATERAL IS REMOVED. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD CUSTOMER SERVICE (PHONE 870-4194) FOR FURTHER DIRECTION.
- ALL SERVICE LATERALS 2" AND SMALLER MAY BE EXTENDED PROVIDED THE FOLLOWING CRITERIA IS MET:
 - A. LATERAL CAN ONLY BE EXTENDED IF CONNECTED TO COPPER
 - B. LATERAL MUST BE INSTALLED AT 90 DEGREES TO MAIN
 - C. USE ONLY DISTRICT APPROVED CONNECTIONS

IF NOT CONNECTING TO COPPER, ABANDON SERVICE (SEE NOTE 14 ABOVE) AND INSTALL COMPLETE NEW SERVICE.

LAS VEGAS STREET LIGHTING NOTES AND SPECIFICATIONS

240 VOLT SINGLE PHASE TWO WIRE SYSTEMS - UNDERGROUND

ALL STREET LIGHT INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.

STREET LIGHTING STANDARDS SHALL BE AS SHOWN BY DRAWING NO. 309, PAGE 68 OF UNIFORM STANDARD DRAWINGS AND MUST CONFORM TO ANY OTHER APPLICABLE SECTIONS OF THE UNIFORM STANDARD SPECIFICATIONS.

ON 80' RIGHT-OF-WAY STREETS THERE SHALL BE 2 POLES ON DIAGONAL CORNERS.

ON 100' RIGHT-OF-WAY STREETS THERE SHALL BE ONE POLE AT EACH CORNER.

HIGH PRESSURE SODIUM LUMINARIES TO BE USED ON 51' AND 60' RIGHT-OF-WAY STREETS SHALL BE 100 WATT, 240 VOLT I.E.S. DISTRIBUTION TYPE 3, WITH INTEGRAL CONSTANT WATTAGE BALLAST, SIMILAR TO GENERAL ELECTRIC TYPE M-250A, CATALOGUE NO. 728G584 OR APPROVED EQUAL.

HIGH PRESSURE SODIUM LUMINARIES TO BE USED ON 80' RIGHT-OF-WAY STREETS AND OVER SHALL BE 250 WATT, 240 VOLT I.E.S. DISTRIBUTION TYPE 3, WITH INTEGRAL CONSTANT WATTAGE BALLAST, SIMILAR TO GENERAL ELECTRIC TYPE M-400A, CATALOGUE NO. 724G804 OR APPROVED EQUAL.

100 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE SYLVANIA LU100 OR APPROVED EQUAL.

250 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE SYLVANIA LU250 OR APPROVED EQUAL.

PHOTO CELL AND CONTROL TO BE 120 VOLTS; FISHER-PIERCE 6660 OR APPROVED QUAL.

SPACING OF STANDARDS SHALL BE 180 FEET MAXIMUM ON 51' AND 60' RIGHT-OF-WAY STREETS ON ONE SIDE.

SPACING OF STANDARDS SHALL BE 180 FEET MAXIMUM ON 80' RIGHT-OF-WAY STREETS ON EACH SIDE AND STAGGERED.

SPACING OF STANDARDS ON 100' RIGHT-OF-WAY STREETS OR MORE SHALL BE 120 FEET MAXIMUM ON EACH SIDE AND STAGGERED.

SCHEDULE 40 RIGID NON-METALLIC CONDUIT (PVC) OR APPROVED EQUAL COMPLYING WITH ARTICLE 347 OF THE NATIONAL ELECTRICAL CODE MAY BE USED FOR UNDERGROUND APPLICATIONS AND SHALL BE WITHIN 12" OF BACK OF CURB AND SHALL HAVE 24" COVER.

FUSE HOLDERS AND CONNECTORS SHALL BE INSTALLED IN THE BASES OF ALL LIGHTING STANDARDS. FUSE HOLDERS SHALL BE BUSS-TRON-HEX-AA, WITH RUBBER BOOTS.

BASE COVERS FOR LIGHTING STANDARDS ARE NOT TO BE INSTALLED BEFORE BREAKOUT CAPS ARE PLACED AND INSPECTED. ALL MATERIAL USED IN UNDERGROUND WIRING, IN BREAKOUT CAPS AND UNDER BASE COVERS IS TO BE INSPECTED BEFORE INSTALLATION.

FOUNDATIONS SHALL BE CONSTRUCTED AND LOCATED TO LINE AND GRADE AS DIRECTED BY THE FIELD ENGINEER.

LIGHTING STANDARD AND MAST ARM CABLE TO LUMINARIES SHALL BE 10/2 U.F. TYPE 600 VOLT COPPER CABLE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING DAMAGE TO PROPERTY, EITHER PUBLIC OR PRIVATE AND IN THE EVENT OF SUCH DAMAGE, SHALL MAKE SATISFACTORY REPAIRS AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS, IF REQUIRED.

THE SERVICE POINT STANDARD IS TO BE INSTALLED AT THE APPROVED LOCATION SHOWN ON PLANS AND SHALL CONFORM TO DRAWING NO. 325, PAGE 84, OF THE UNIFORM STANDARD DRAWINGS.

IN THE SELECTION OF 100 AND 250 WATT HIGH PRESSURE SODIUM LUMINARIES TO BE USED IN A PARTICULAR DEVELOPMENT, ONE APPROVED MANUFACTURER SHALL BE SPECIFIED.

THESE SPECIFICATIONS BECOME EFFECTIVE ON ALL CITY OF LAS VEGAS MULTIPLE STREET LIGHTING DESIGNS APPROVED ON OR AFTER JUNE 1, 1977.

THESE SPECIFICATIONS SHALL BE SUPERSEDED BY ANY REVISED SPECIFICATIONS IN EXISTENCE AT THE TIME OF INSTALLATION.

DATE	APPROVAL	BY	DESCRIPTION

SCALE (H)	SCALE (V)
NONE	
DES. R.A.M.	
DR. B.F.	
SECTION 28/291.20 S.	R. 61 E.

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WASHINGTON AVENUE
UTILITY NOTES AND DETAILS

JOB NO. 8403-01-07

SHEET 27 OF 27

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