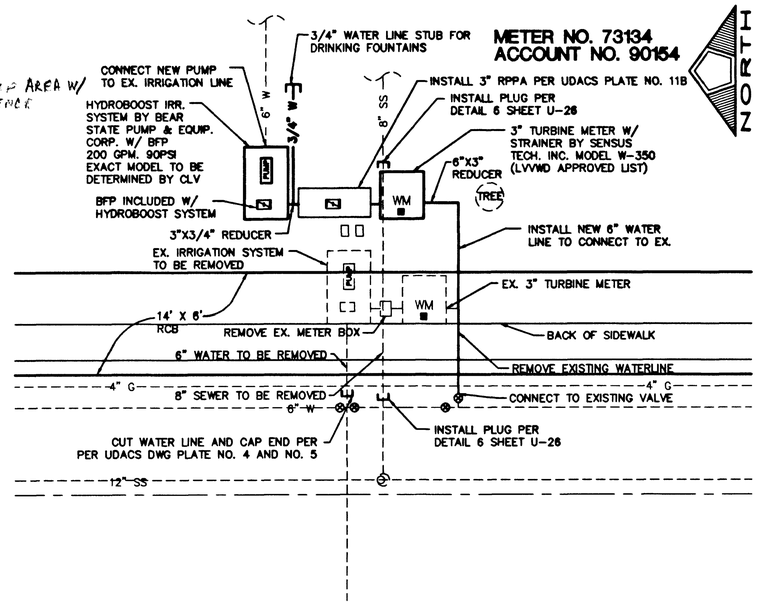


INSTALLATION OF METER AND VAULT

THE METER(S) AND VAULT(S) WITH NON-TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE NO. 18A AND WITH STANDARD VAULT DRAWING C-475, LATEST REVISION

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION

ABANDONMENT OF EXISTING SERVICE(S) - LARGER THAN 2"

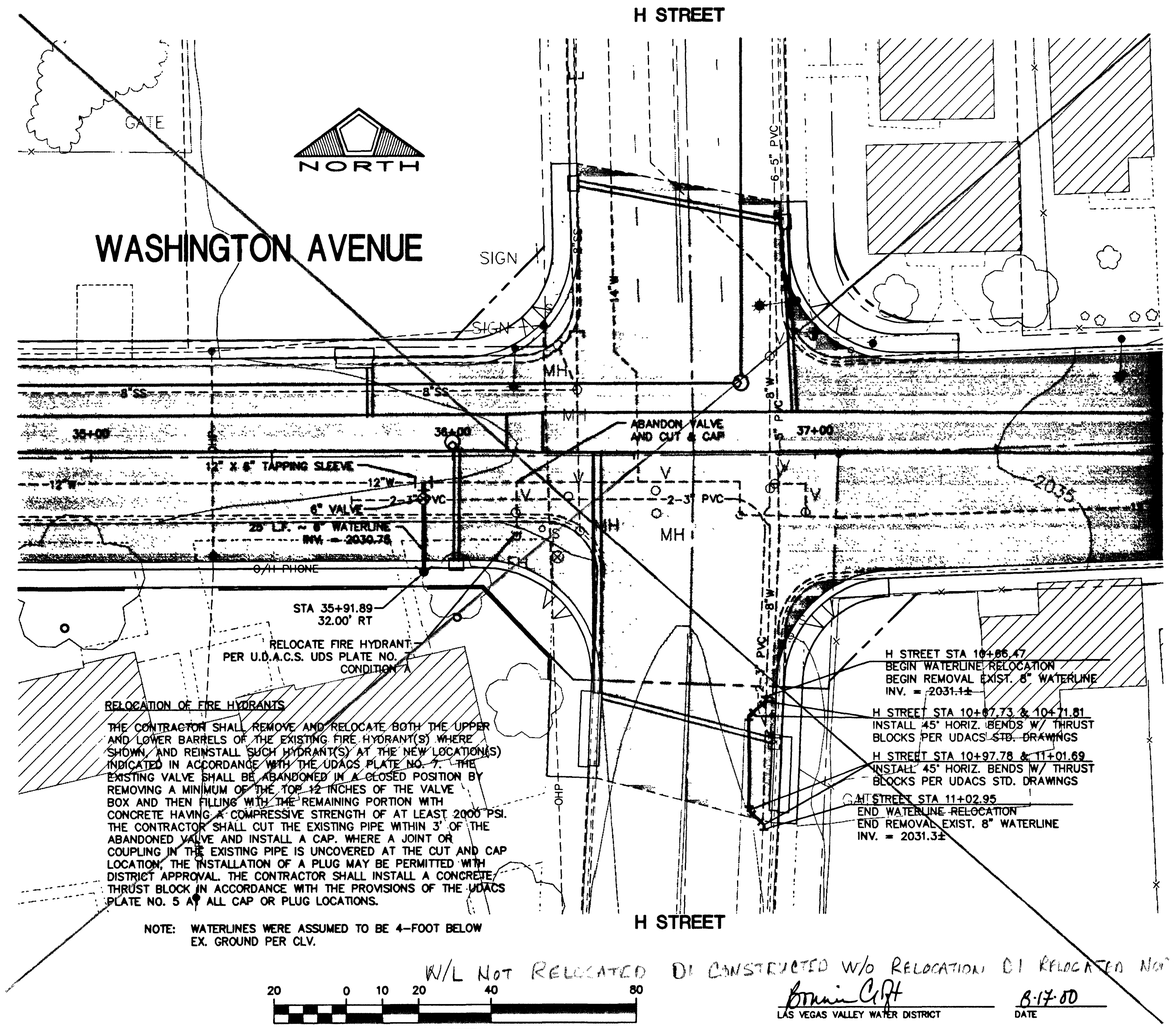
THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER. AFTER THE FINAL READING, THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICES AS FOLLOWS: ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF 12 INCHES OF THE VALVE BOX AND FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2000 PSI. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WITHIN 3' OF THE ABANDONED VALVE OR WHERE SHOWN ON PLANS AND INSTALL A CAP. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL THEN REMOVE AND/OR BACKFILL THE ABANDONED VAULT.

NOTES:

1. FINAL LOCATION AND CONFIGURATION TO BE DETERMINED BY CLV & LVVWD. LOCATION SHALL BE ADEQUATE TO CLEAR RCB
2. 8" SS TO BE PLUGGED AND REMOVED AT LOCATION DETERMINED BY CONTRACTOR TO ALLOW VAULT INSTALLATION
3. METER AND RPPA TO BE PROVIDED BY LVVWD, CONTACT LVVWD INSPECTION 48 HOURS PRIOR TO WORK BEING PERFORMED (702)258-3824

B STREET PARK IRRIGATION SYSTEM REPLACEMENT DETAIL (2)

NOT TO SCALE



RELOCATION OF FIRE HYDRANTS

THE CONTRACTOR SHALL REMOVE AND RELOCATE BOTH THE UPPER AND LOWER BARRELS OF THE EXISTING FIRE HYDRANT(S) WHERE SHOWN, AND REINSTALL SUCH HYDRANT(S) AT THE NEW LOCATION(S) INDICATED IN ACCORDANCE WITH THE UDACS PLATE NO. 7. THE EXISTING VALVE SHALL BE ABANDONED IN A CLOSED POSITION BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING WITH THE REMAINING PORTION WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2000 PSI. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WITHIN 3' OF THE ABANDONED VALVE AND INSTALL A CAP. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS.

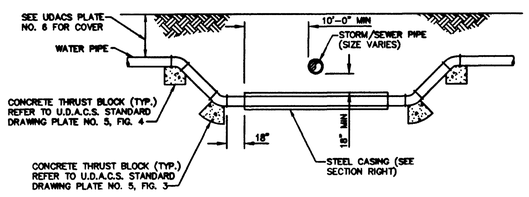
NOTE: WATERLINES WERE ASSUMED TO BE 4-FOOT BELOW EX. GROUND PER CLV.

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

W/L NOT RELOCATED OR CONSTRUCTED W/O RELOCATION OR RELOCATED NORTH

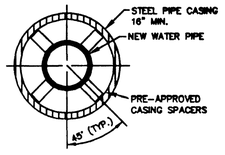
LAS VEGAS VALLEY WATER DISTRICT — DATE 8-17-00



WHERE THE WATER LINE IS LESS THAN 18 INCHES OVER THE STORM/SEWER LINE, WHERE THE WATER LINE IS UNDER THE SEWER LINE, AND WHERE THE HORIZONTAL SEPARATION, AS REQUIRED BY THE WATER SUPPLY REGULATIONS, CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS, THE WATER LINE SHALL BE PROTECTED BY CONSTRUCTION OF THE STORM/SEWER LINE AS FOLLOWS:

1. EXTRA HEAVY CAST IRON PIPE;
2. WATER SUPPLY QUALITY MATERIALS; OR
3. SLEEVING WITH WATER SUPPLY QUALITY PIPE.

EACH OF THESE PROVISIONS SHALL ALSO BE EXTENDED FOR OTHER THAN 90 DEGREE CROSSINGS TO THE POINT AT WHICH THE TEN FOOT SEPARATION BETWEEN THE WATER AND SEWER LINES IS ACHIEVED (10/SINE OF CROSSING ANGLE.)



NOTE:
8" WATER IN 18" CASING
18" WATER IN 30" CASING

1. STEEL PIPE CASING SYMMETRICAL ABOUT WATER MAIN CENTERLINE.
2. PRE-APPROVED CASING SPACERS AND PRE-APPROVED END SEALS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (REDWOOD SKIDS NOT ALLOWED. UDACS SECTION 3.26 NOT APPLICABLE). USE A "CENTERED" CONFIGURATION AND PROVIDE THE MANUFACTURER WITH THE FOLLOWING:
   - PIPE OD
   - CASING ID
   - CASING LENGTH

1. STEEL PIPE CASING SHALL BE FABRICATED FROM MIN. OF 1/4" THICK STEEL PLATES, CONFORMING TO THE REQUIREMENTS OF ASTM A283, GRADE B, C, OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE GROUND TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C201, "AWWA STANDARD FOR FABRICATED ELECTRICALLY WELDED STEEL WATER PIPE". COATINGS FOR STEEL CASING ARE NOT REQUIRED.
2. PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH OF THE CASING.
3. THE PIPE SHALL BE SUPPORTED AT EACH END OF EACH JOINT WITH SPACERS. AFTER INSTALLATION OF THE PIPE, THE CASING SHALL BE SEALED AT BOTH ENDS WITH CASING END SEALS. DUCTILE IRON PIPE JOINTS INSIDE CASING ARE TO BE RESTRAINED.

~~WATERLINE RELOCATION &~~ STEEL CASING (1)

NOT TO SCALE

RECORD

NO.	DESCRIPTION	DATE	APP

DATE : 02/10/00
PM : MW/BT
DRAWN BY : JR/JK/TA
DESIGNED BY : OV/JR/BT
CHECKED BY : JL/BT
ADA CHECKED :
JOB NO. : 0133.0141
SCALE : AS SHOWN

PENTACORE
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
CONSTRUCTION MANAGEMENT • ADA CONSULTING
5795 W. TROPICANA AVE., SUITE 100
LAS VEGAS, NEVADA 89146 (702)258-0115

CITY OF LAS VEGAS
WASHINGTON AVENUE
WATERLINE RELOCATION DETAILS

PROFESSIONAL ENGINEER - STATE OF NEVADA
MYRON R. WELSH
CIVIL
NO. 2646
8/16/00

SHEET 43
U-17
OF 59

DWG. NO. 107-V2110

Q:\0133\0140\NEWDWGS\UTILITY\WATER-1.DWG

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