Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE ALERT (USA)

SAFETY ALERT

Call before you Overhead

593-6111

OVERHEAD SERVICE ALERT

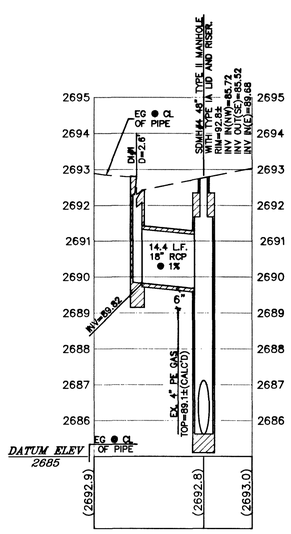
UTILITY NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

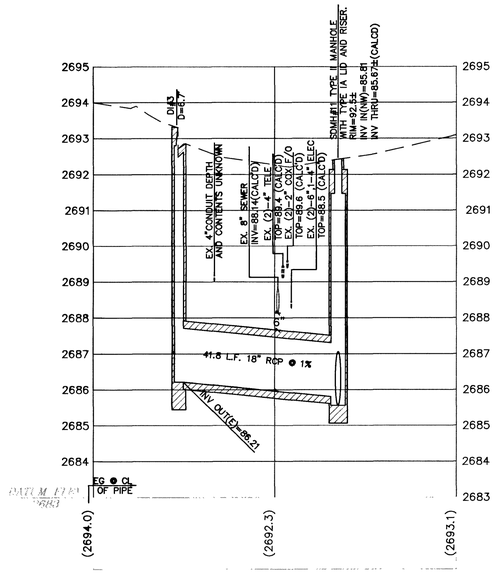
LVVWD NOTE

WHEN A WATER LINE IS LESS THAN EIGHTEEN (18) INCHES ABOVE A SEWER OR STORM DRAIN LINE OR ANYTIME A WATER LINE IS BELOW A SEWER OR STORM DRAIN LINE THE FOLLOWING PROVISIONS SHALL APPLY:

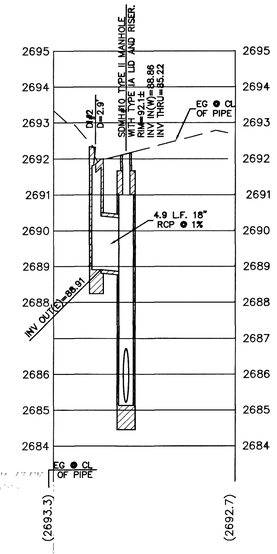
1) A REASONABLE EFFORT MUST BE MADE TO PLACE WATER AND SEWER PIPELINE JOINTS AN EQUAL DISTANCE FROM THE CROSSING. NOTE: THIS REQUIREMENT DOES NOT APPLY TO DOUBLE JOINTS.
2) A MINIMUM VERTICAL SEPARATION OF SIX (6) INCHES MUST BE MAINTAINED AND STRUCTURAL SUPPORT IN THE FORM OF A CEMENT SLURRY ENCASEMENT WHICH WILL EXTEND UPWARD FROM THE SEWER/STORM DRAIN LINE TO THE SPRINGLINE OF THE WATER LINE.
3) THE SEWER OR WATER LINE SHALL BE CONSTRUCTED USING ONE OF THE FOLLOWING OPTIONS:
   a) THE SEWER LINE MUST BE CONSTRUCTED OF WATER SUPPLY QUALITY MATERIALS MEETING AWWA STANDARDS
   b) THE SEWER OR WATER LINE SHALL BE TOTALLY ENCASED BY A MINIMUM FOUR (4) INCH THICK, 300 PSI CONSET SLURRY, A DISTANCE OF TEN FEET ON EACH SIDE OF THE CROSSING MIDPOINT. THIS OPTION IS NOT AVAILABLE FOR ACP.
   c) THE SEWER OR WATER LINE SHALL BE INSTALLED IN A SLEEVE OF WATER QUALITY PIPE OR STANDARD CASING WITHOUT JOINTS, TEN FEET ON EACH SIDE.



LATERAL 'A'



LATERAL 'B'



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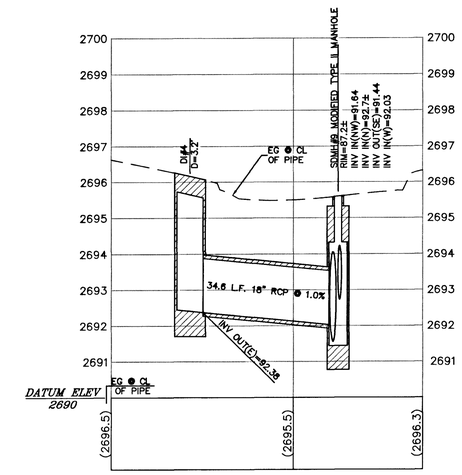

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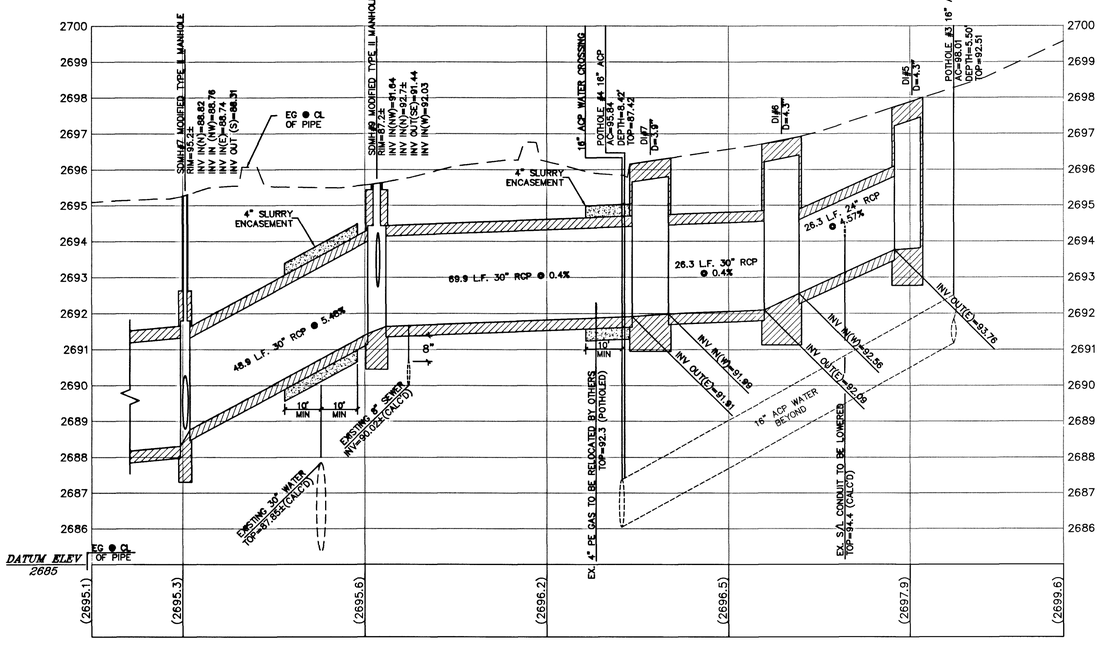

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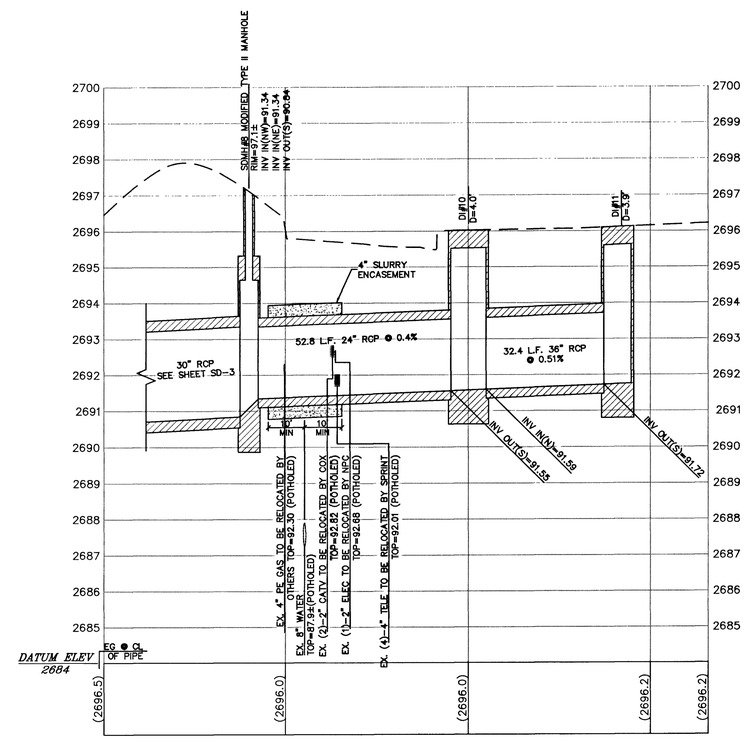

LATERAL 'F'

LVVWD 4/21/03 DATE

52055

NO.	DATE:	DESCRIPTION	APP'D

REVISIONS

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION

CITY ENGINEER: CHARLES KAJKOWSKI JR, P.E.
PROJECT MANAGER: TOM HAYES, P.E.

DESIGNED BY: MAS
DRAWN BY: MAS
CHECKED BY: ECN

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'
DATE: 04-04-03

CITY OF LAS VEGAS NEVADA

TITLE: CRYSTAL WATER WAY NOMINAL STORM DRAIN

SHEET: LATERAL DETAILS

PROFESSIONAL ENGINEER-STATE OF NEVADA EDWARD C. SETTER CIVIL 6/30/03

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DRAWING NO. 327-V119