

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 CONTRACTOR'S 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.

LVWD NOTE:

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

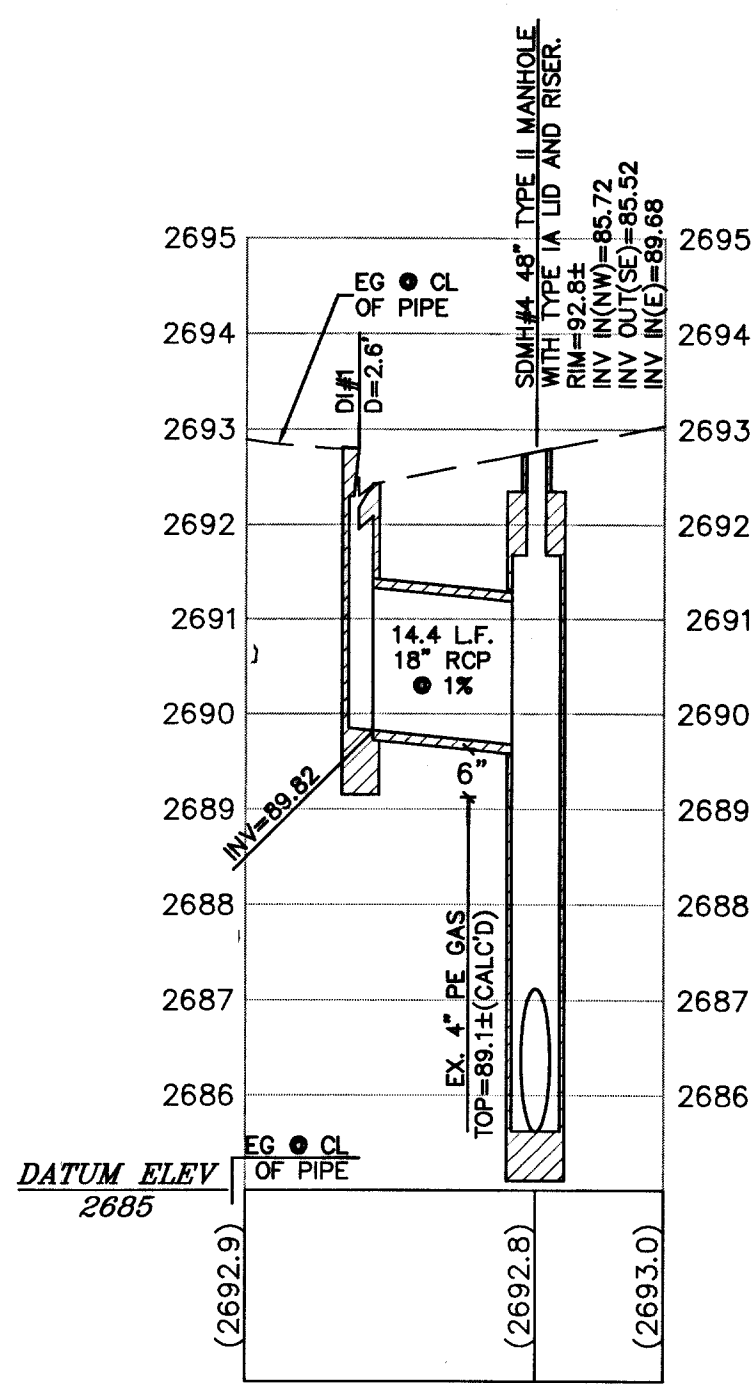
1) A REASONABLE EFFORT MUST BE MADE TO PLACE WATER MAINS AND STORM DRAIN LINES IN THE FORM OF A COMBINED SLURRY ENCASUREMENT WHICH WILL EXTEND UPWARD FROM THE EXISTING STORM DRAIN LINE TO THE SPRINGLINE OF THE WATER MAIN.

2) THE CROSSING SHALL BE CONSTRUCTED USING ONE OF THE FOLLOWING OPTIONS:

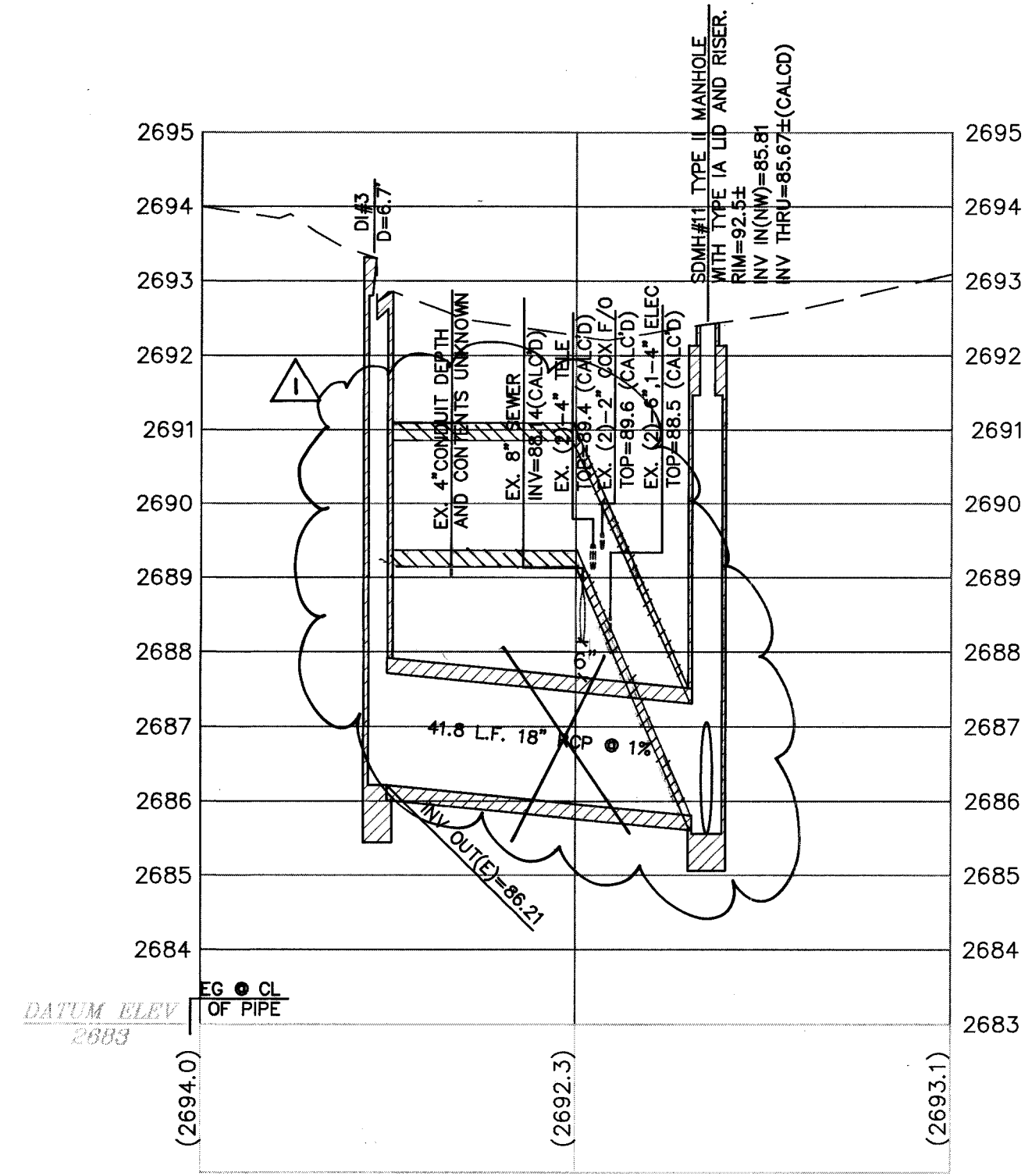
a) THE WATER MAIN MUST BE CONSTRUCTED OF WATER SUPPLY QUALITY MATERIAL MEETING APWA STANDARDS.

b) THE WATER MAIN SHALL BE TOTALLY ENCASED BY A MINIMUM FOUR (4) INCH THICK, 300 PSI COMBUSTIBLE SLURRY, A DISTANCE OF TEN FEET ON EACH SIDE OF THE CROSSING POINT. THIS OPTION IS NOT AVAILABLE FOR ACP.

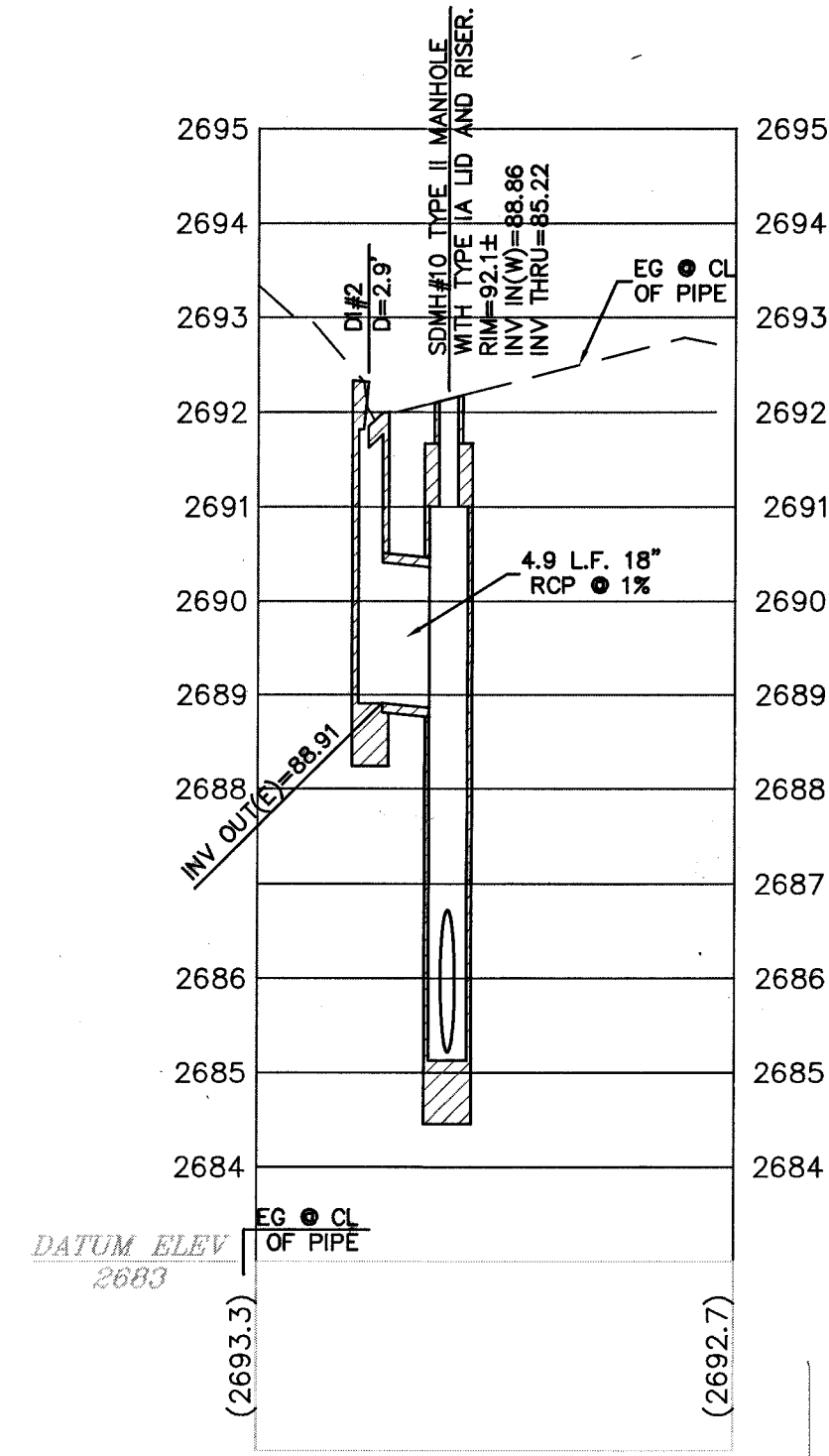
c) THE WATER MAIN SHALL BE INSTALLED IN A BLEND OF WATER QUALITY PIPE OR STANDARD CHAIN, WITHOUT JOINTS, TEN FEET ON EACH SIDE.



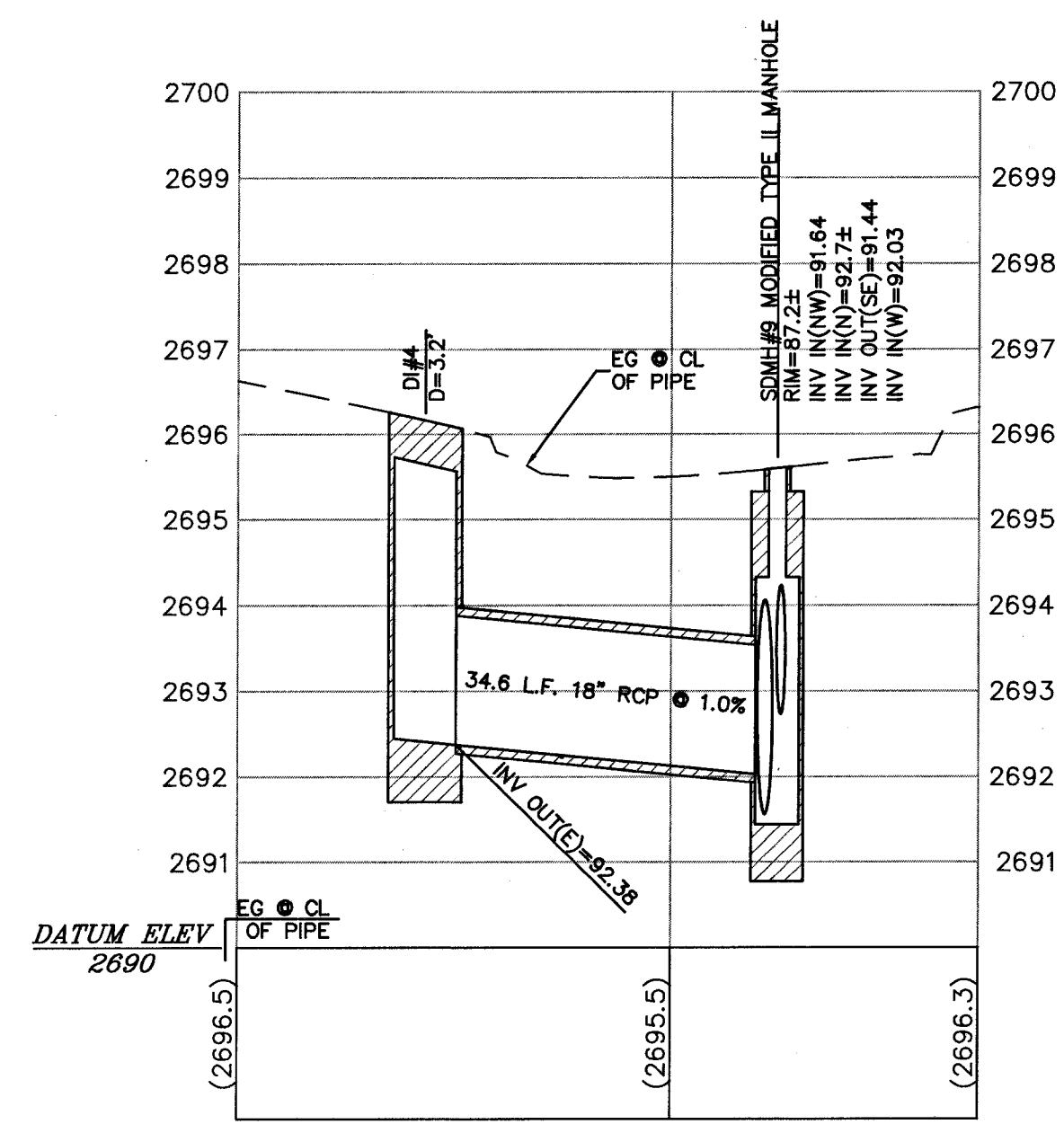
LATERAL 'A'



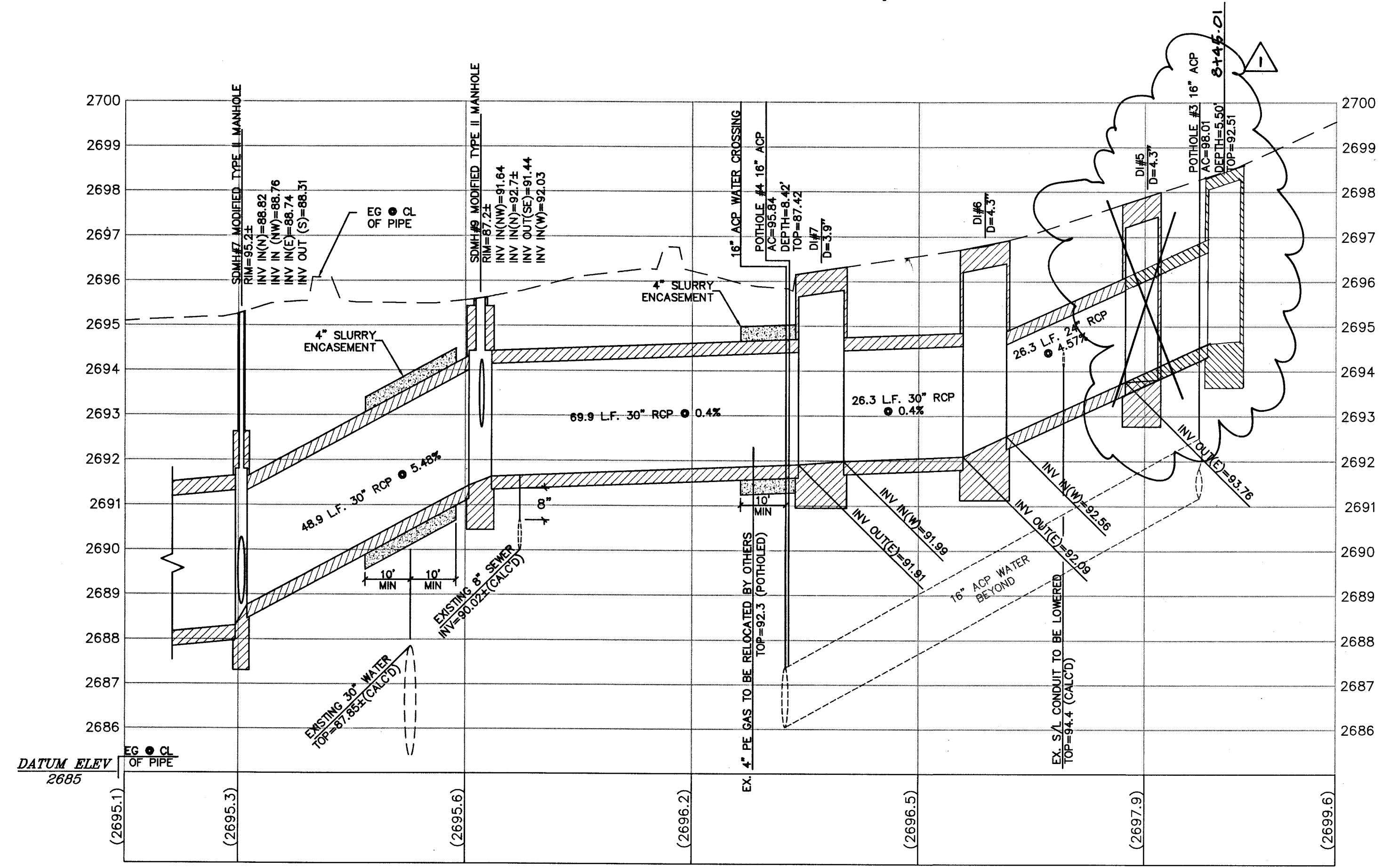
LATERAL 'B'



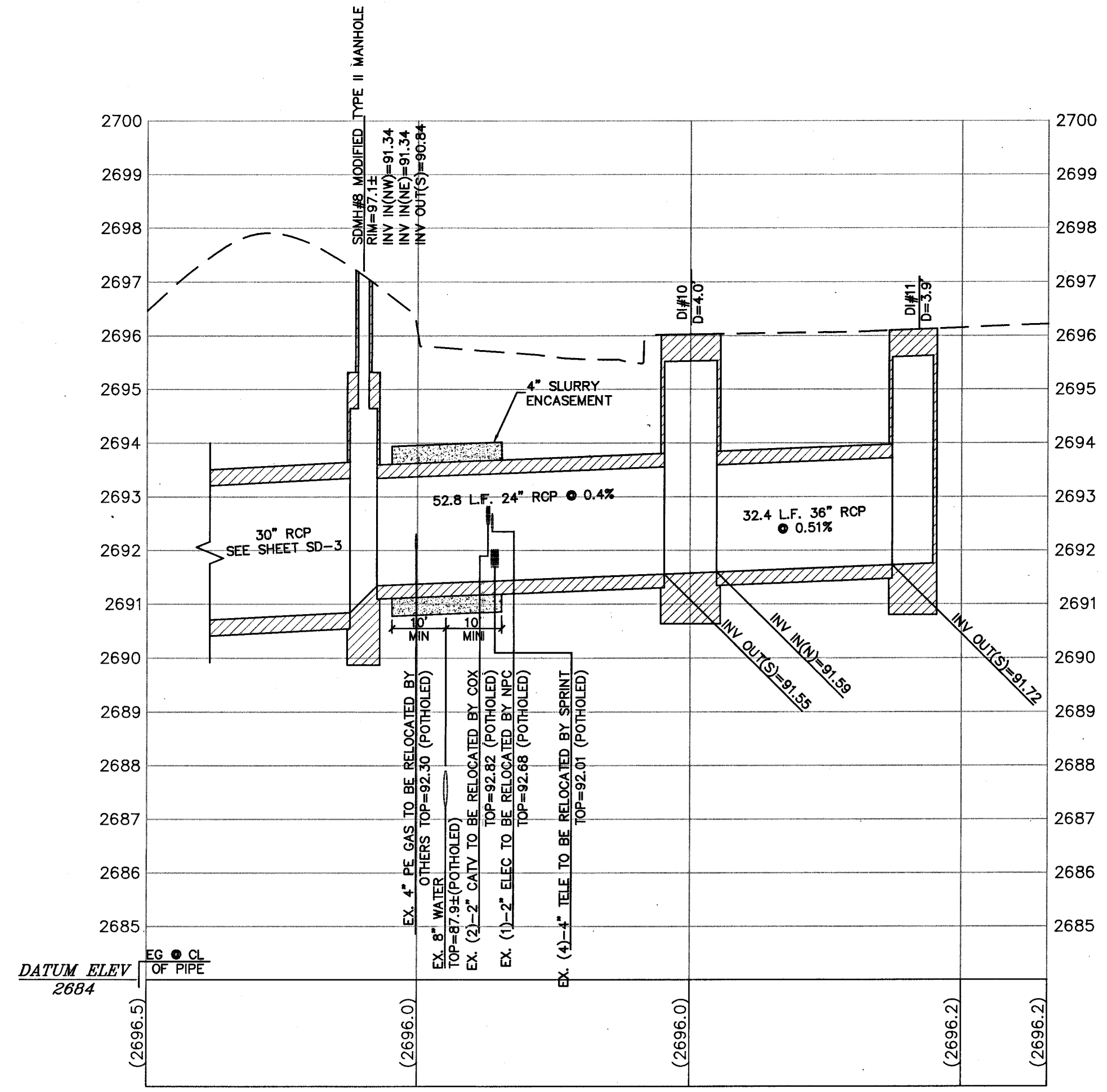
LATERAL 'C'



LATERAL 'D'



LATERAL 'E'



LATERAL 'F'

52055 73445

AS BUILT

LVWD
DATE: 4/21/03

REVISIONS	
NO.	DATE
1	9-23-04
DESCRIPTION	
AS-BUILT BY C.L.V.	
DATE: 04-04-03	
HORIZONTAL SCALE: 1"=20'	
VERTICAL SCALE: 1"=2'	
CHECKED BY: EGN	
DRAWN BY: MAS	
DESIGNED BY: MAS	
PROJECT MANAGER: TOM HAYES, P.E.	
CITY ENGINEER: CHARLES KALKOWSKI JR., P.E.	
ENGINEERING DESIGN SECTION	
DEPARTMENT OF PUBLIC WORKS	
CRYSTAL WATER WAY	
NOMINAL STORM DRAIN	
LATERAL DETAILS	
SHEET: 8 of 10	
DRAWING NO. 327-V119	
SD-4	
Sheet	
9/23/03	