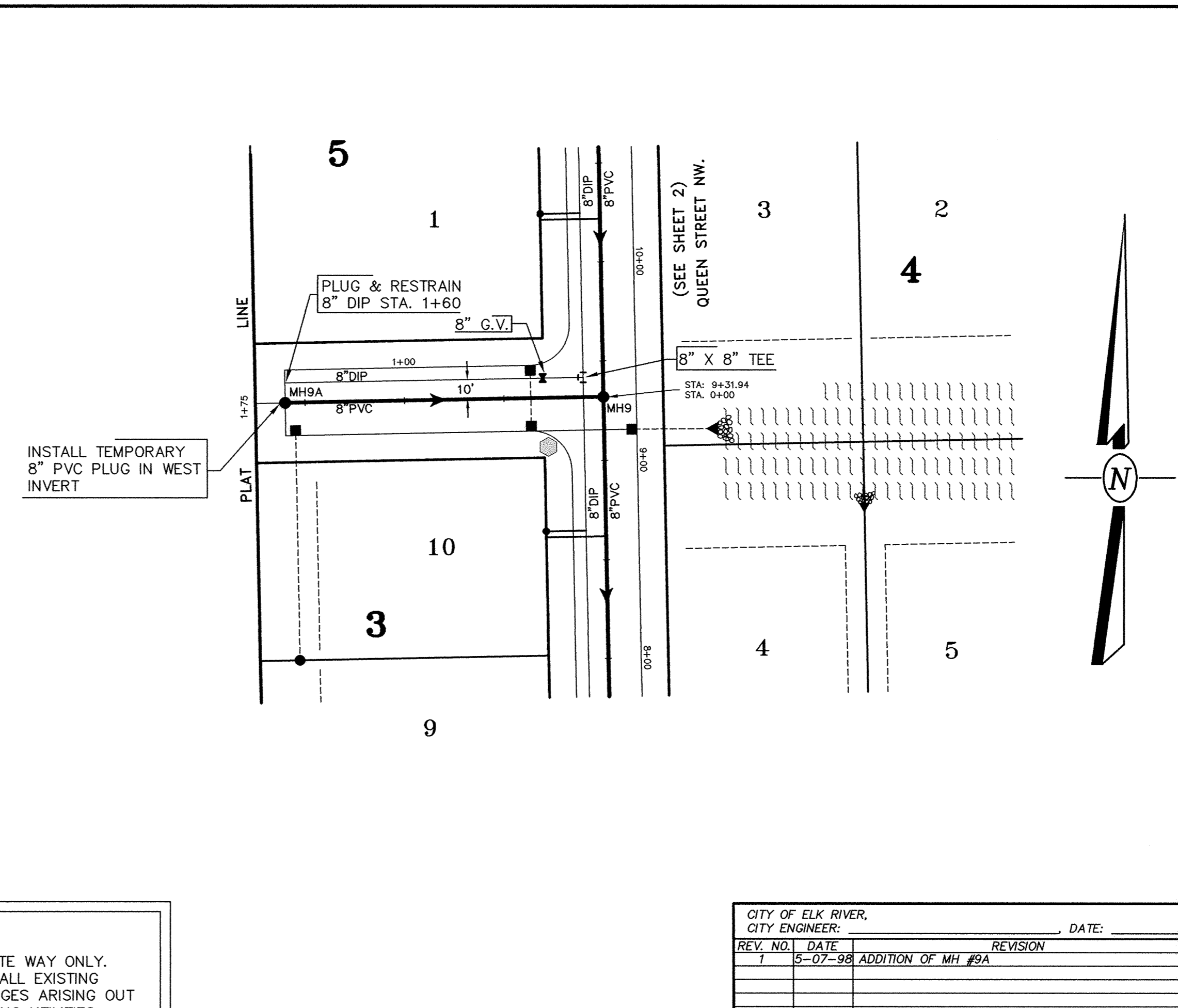


WATERMAIN

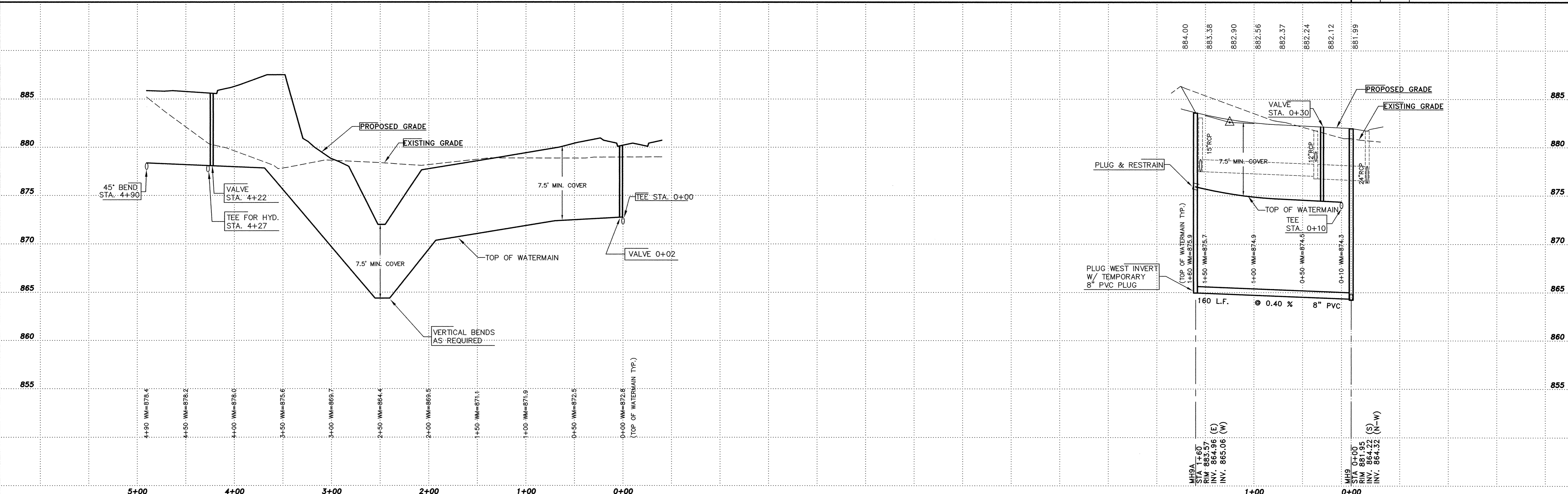
- NOTES**
- SERVICE NOTE:**
 - S & W 0+62 - Denotes sanitary sewer wye station from downstream manhole, water service shall be located 3 feet upstream from sewer service.
 - SER. EL. 927.2 - Denotes proposed sanitary service elevation for end of service at the R/W line
 - T/C - Denotes top of curb elevation at curb box. Set curb box 0.3 feet higher.
 - RISE - Denotes length of riser at main. Length measured from main invert to service bend for 2% slope
 - MATERIALS:**
 - Sanitary sewer - PVC (SDR 35)
 - Sanitary service - 4" PVC (SCH 40)
 - Watermain - DIP
 - Water service - 1" copper
 - Storm sewer - RCP
 - Contractor shall verify that existing stub pipes are in working order prior to connecting new pipes
 - Contractor is responsible for locating all existing utilities through Gopher State One Call and for their protection
 - BENCH MARK: T1H SE CORNER LOT 1, BLOCK 1 RIVERPLACE & SOUTH SIDE OF 185 TH AVE NW ELEV.=891.47
 - ★ Denotes Street Light
 - ⊙ Denotes Combination Stop/Street Sign

WARNING:
 THE LOCATION OF EXISTING UTILITIES SHOWN ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES ARISING OUT OF HIS FAILURE TO PROPERLY LOCATE AND/OR PRESERVE THEM. ALL EXISTING UTILITIES MAY NOT BE SHOWN



186TH AVENUE NW.

CITY OF ELK RIVER,		DATE:	
CITY ENGINEER:			
REV. NO.	DATE	REVISION	
1	5-07-98	ADDITION OF MH #9A	



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Reg. No. 167393 Date 3-31-98

SANITARY SEWER & WATERMAIN PROFILE
186TH AVENUE NW. & E. PROPERTY LINE
RIVERPLACE
ELK RIVER, MINNESOTA

MIDWEST
 Lead Surveyors & Civil Engineers, Inc.
 199 Coon Bend Blvd., Elk River, MN 55433
 Tel. 612-709-9999 Fax 612-709-9998

Job No. 144-895
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