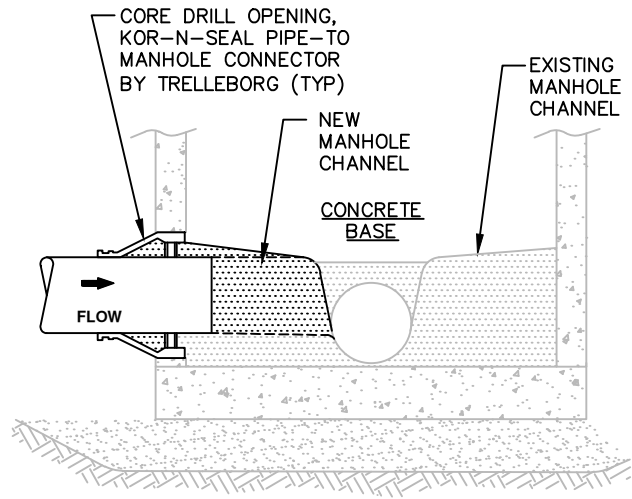
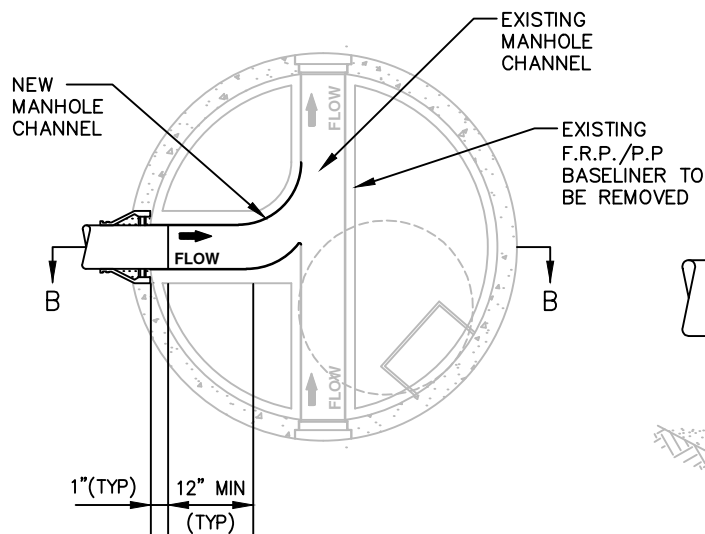


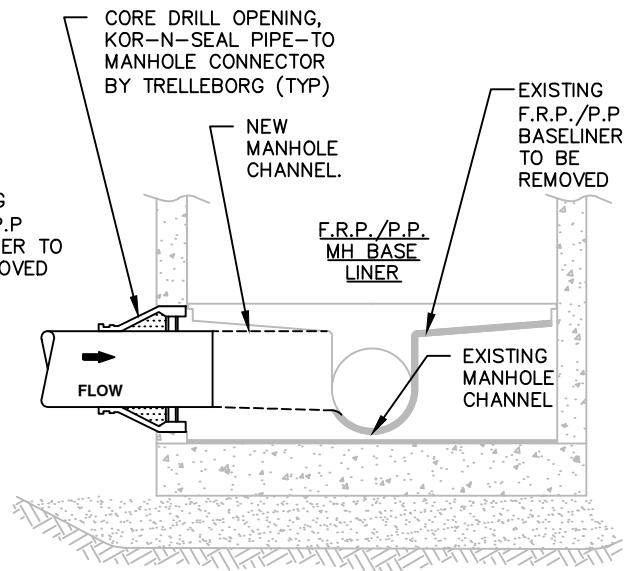
EXISTING CONCRETE BASE PLAN



SECTION A-A



EXISTING F.R.P./P.P. LINER PLAN



SECTION B-B

NOTES:

1. THE DISTRICT STANDARD MINIMUM SLOPE OF 0.1' ACROSS THE INVERT CHANNEL IS REQUIRED FOR ALL RE-CHANNELED MANHOLES.
2. THE NEW CHANNEL SHALL HAVE NO SHARP EDGES AND SHALL DIRECT FLOW TOWARDS EXISTING FLOW DIRECTION. NO 90° BENDS IN THE CHANNELING.
3. CONCRETE BASES SHALL BE RE-CHANNELED USING MINIMUM 3,000 PSI STRUCTURAL CONCRETE.
4. FIBER REINFORCED PLASTIC (F.R.P.) AND POLYPROPYLENE (P.P.) BASE LINERS SHALL BE REMOVED PER DISTRICT DIRECTION. PLEASE CONTACT NORTHSORE UTILITY DISTRICT FOR REMOVAL REQUIREMENTS. IF RE-CHANNELING IS REQUIRED AFTER REMOVAL, CHANNEL SHALL BE MINIMUM 3,000 PSI STRUCTURAL CONCRETE.
5. SEE NUD SEWER DETAIL #1 FOR PRECAST CONCRETE MANHOLE, TOP SECTION, LADDER, AND STEPS.
6. CROWN OF NEW PIPE CONNECTION SHALL MATCH EXISTING CHANNEL'S CROWN OR AS APPROVED BY DISTRICT.

## NEW CONNECTION TO EXISTING MANHOLE

NOT TO SCALE

DETAIL APPROVALS

ENGINEER TMC

ENG. DIR. CF

**NORTHSORE UTILITY DISTRICT**

2025 STANDARD SEWER DETAILS

**15**

LAST UPDATED  
MAY 2025