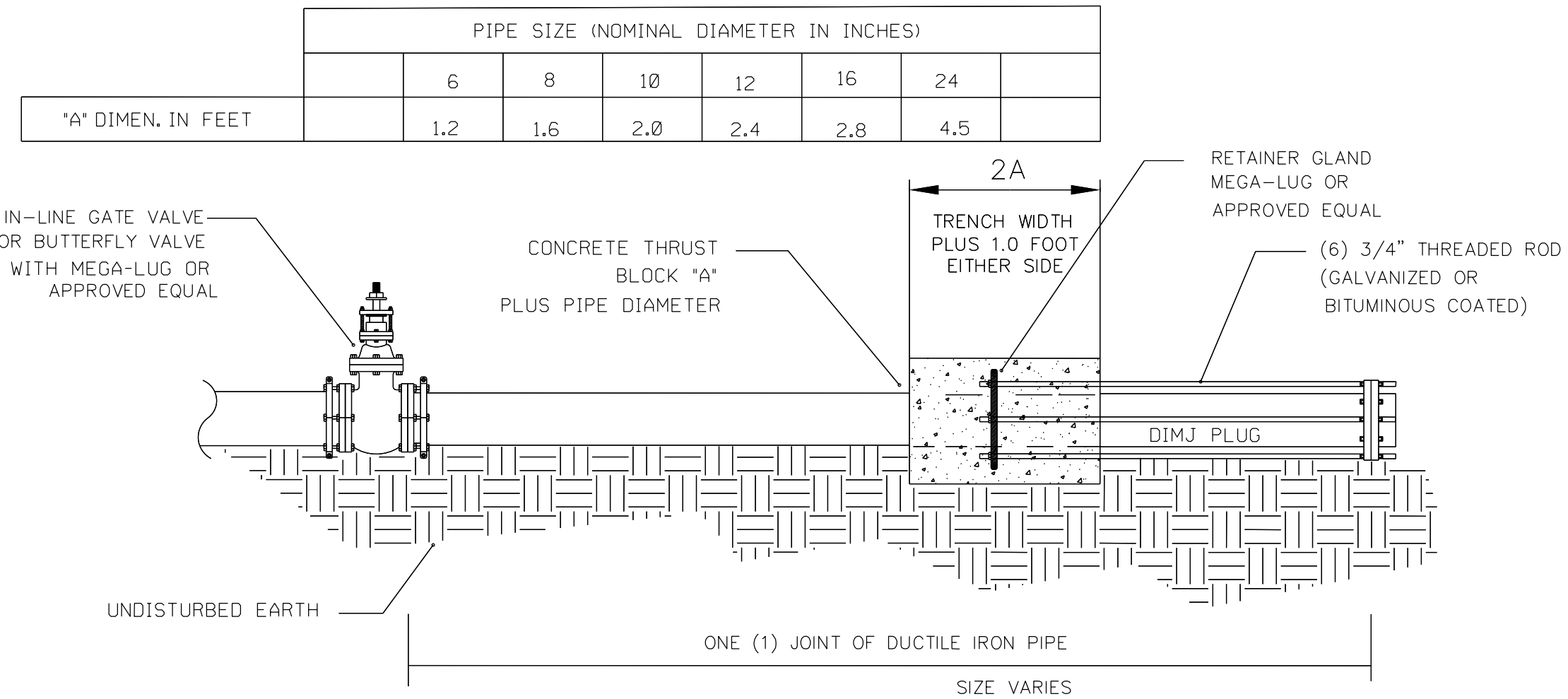


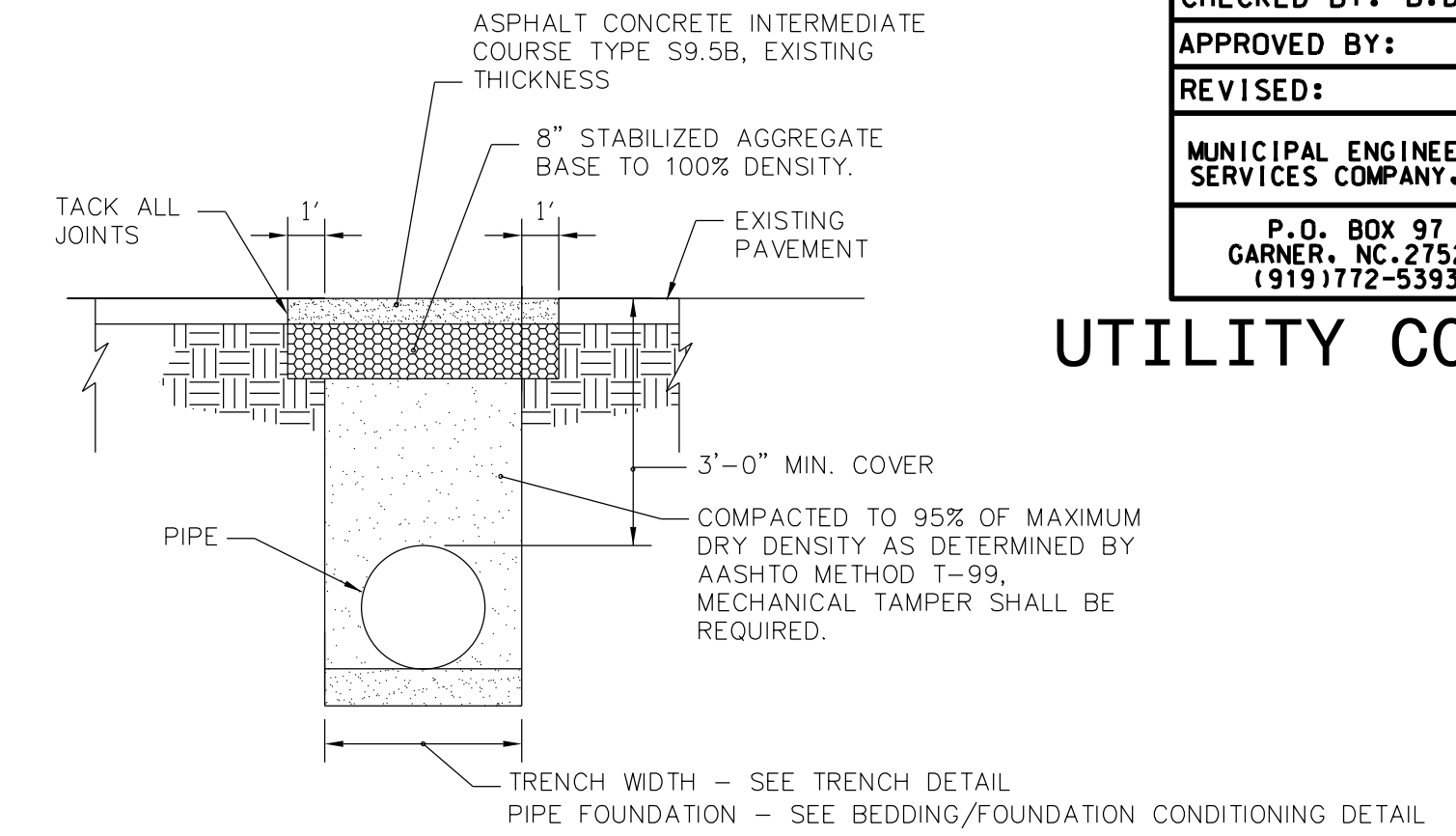
PROJECT TYPICAL DETAILS (WATER)

PROJECT REFERENCE NO.	SHEET NO.
R-2603	UC-3A
DESIGNED BY: B. DIXON	
DRAWN BY: R. MOSS	
CHECKED BY: B. DIXON	
APPROVED BY:	
REVISER:	04/13/2015
MUNICIPAL ENGINEERING SERVICES COMPANY, PA	UTILITY CONSTRUCTION PLANS ONLY
P.O. BOX 97 GARNER, NC 27529 (919) 772-5393	

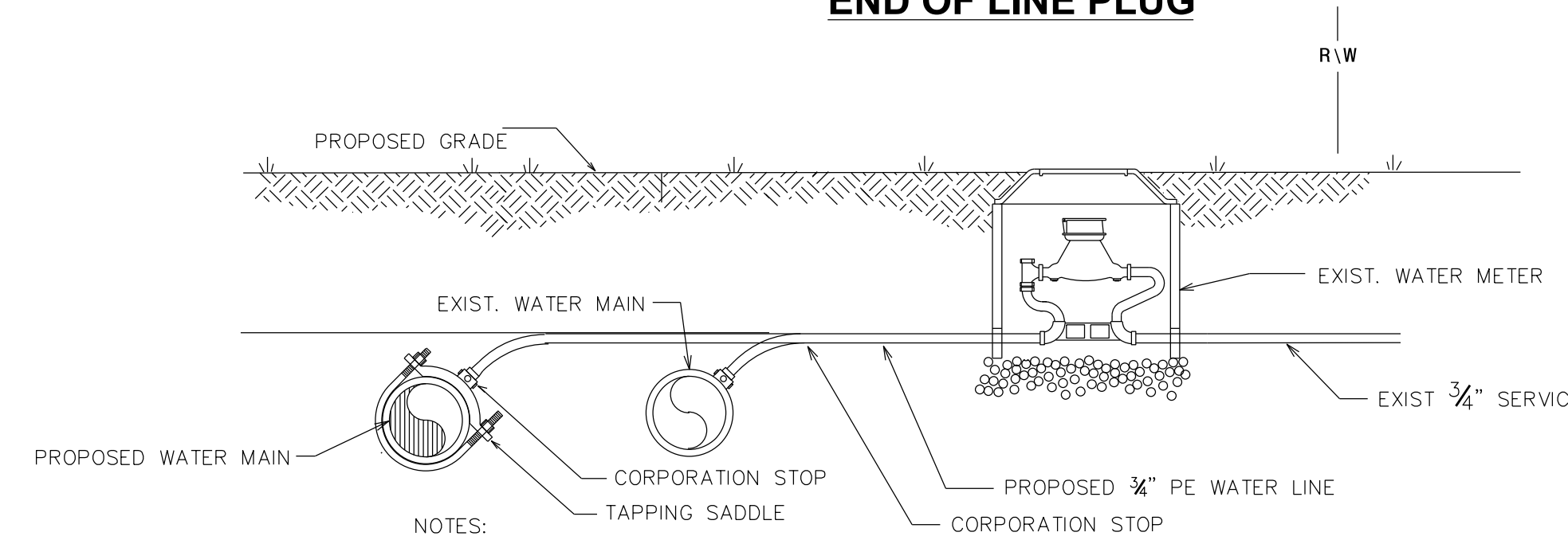


- ALL FITTINGS MUST BE RESTRAINED WITH RETAINER GLAND, MEGA-LUG THRUST BLOCKS OR AN APPROVED EQUAL.
- DIMENSION TABLE GIVEN IS A GUIDE ONLY. ENGINEER SHALL BE RESPONSIBLE TO CALCULATE THRUST BLOCK DIMENSIONS BASED ON ACTUAL SOIL AND OPERATING
- FITTING JOINTS SHALL BE KEPT FREE OF CONCRETE. A LAYER OF POLYETHYLENE PLASTIC SHALL BE PLACED BETWEEN THE FITTING AND THE CONCRETE.

END OF LINE PLUG

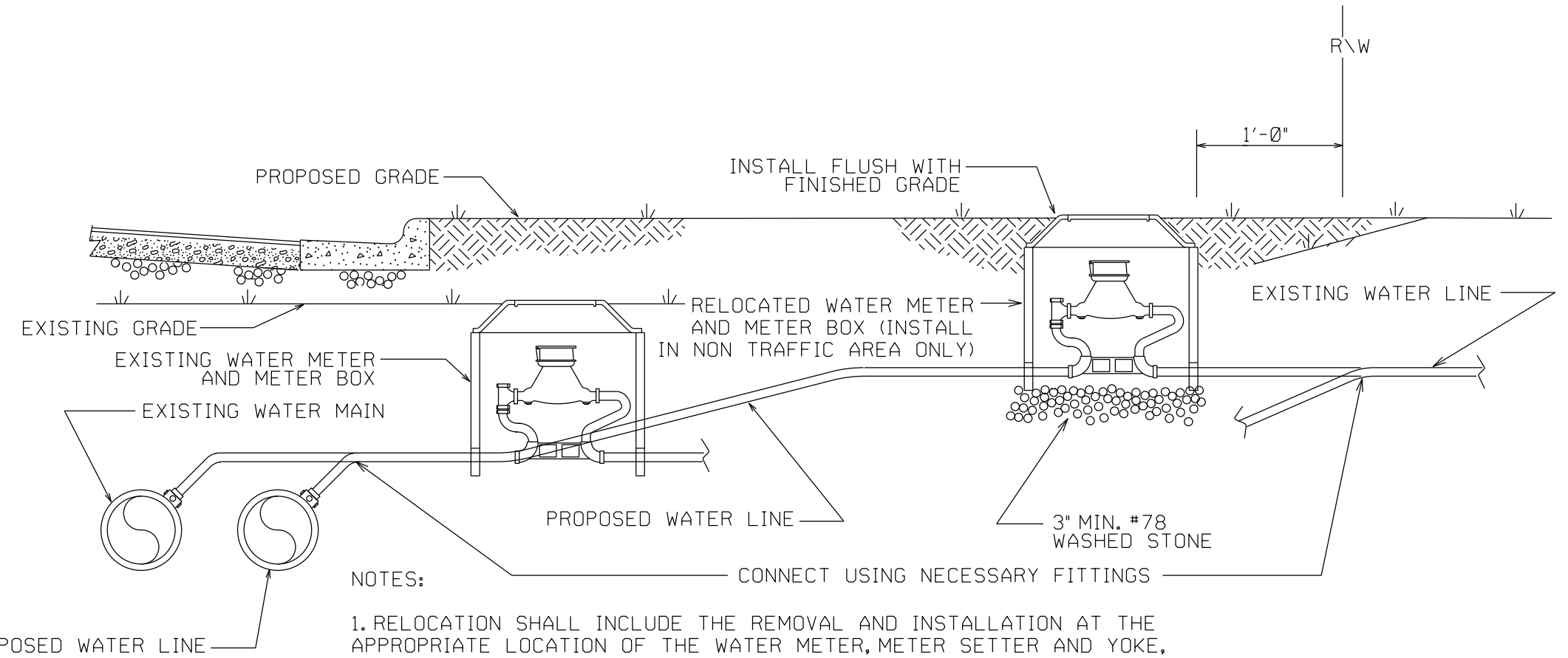


TYPICAL OPEN CUT ROADWAY CROSSING DETAIL



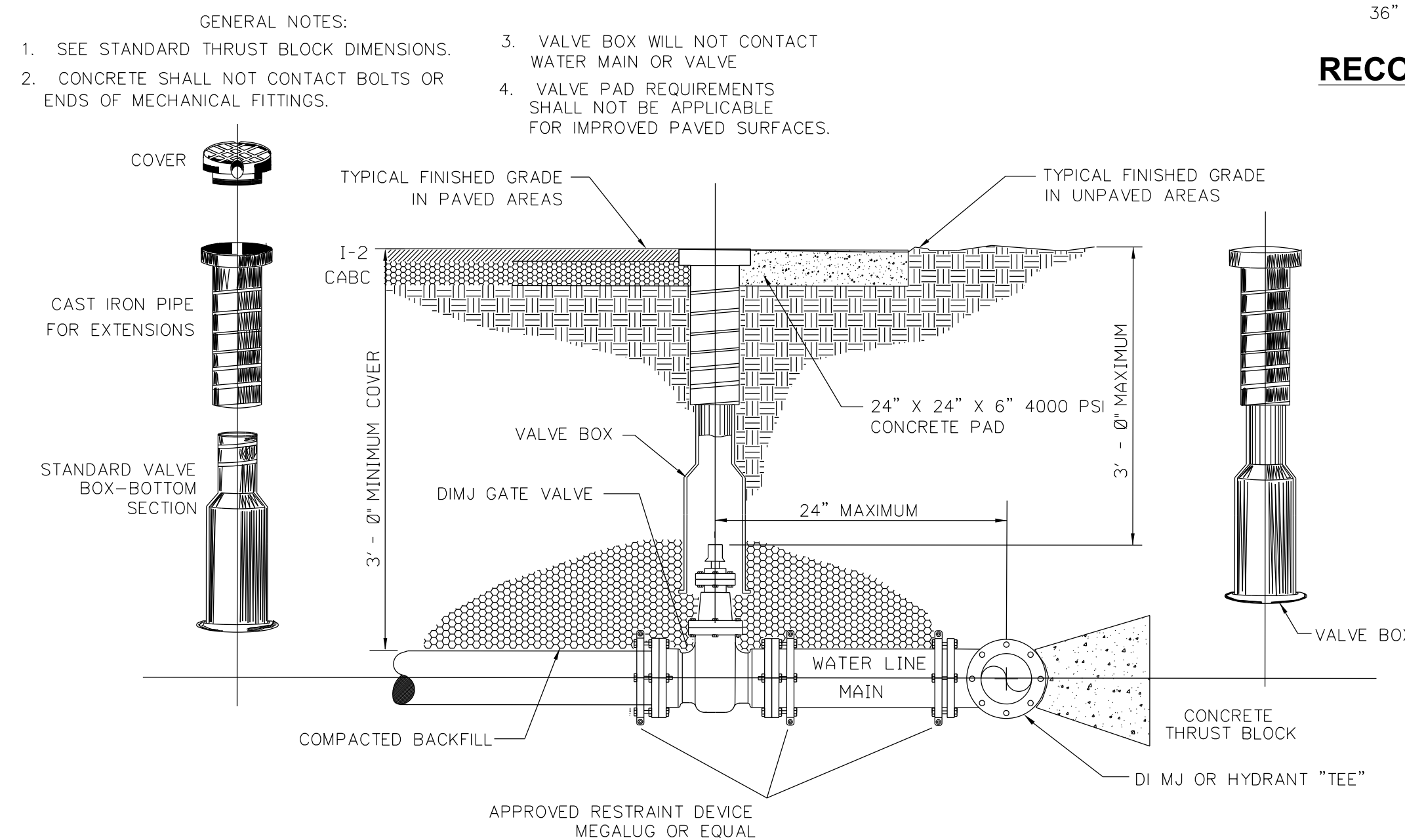
- NOTES:
- INSTALLATION SHALL INCLUDE THE APPROPRIATE LOCATION OF THE WATER METER, METER SETTER AND YOKE, METER VALVES, AND METER BOX WITH LID.
 - THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 36\"/>

RECONNECT EXISTING WATER METER DETAIL

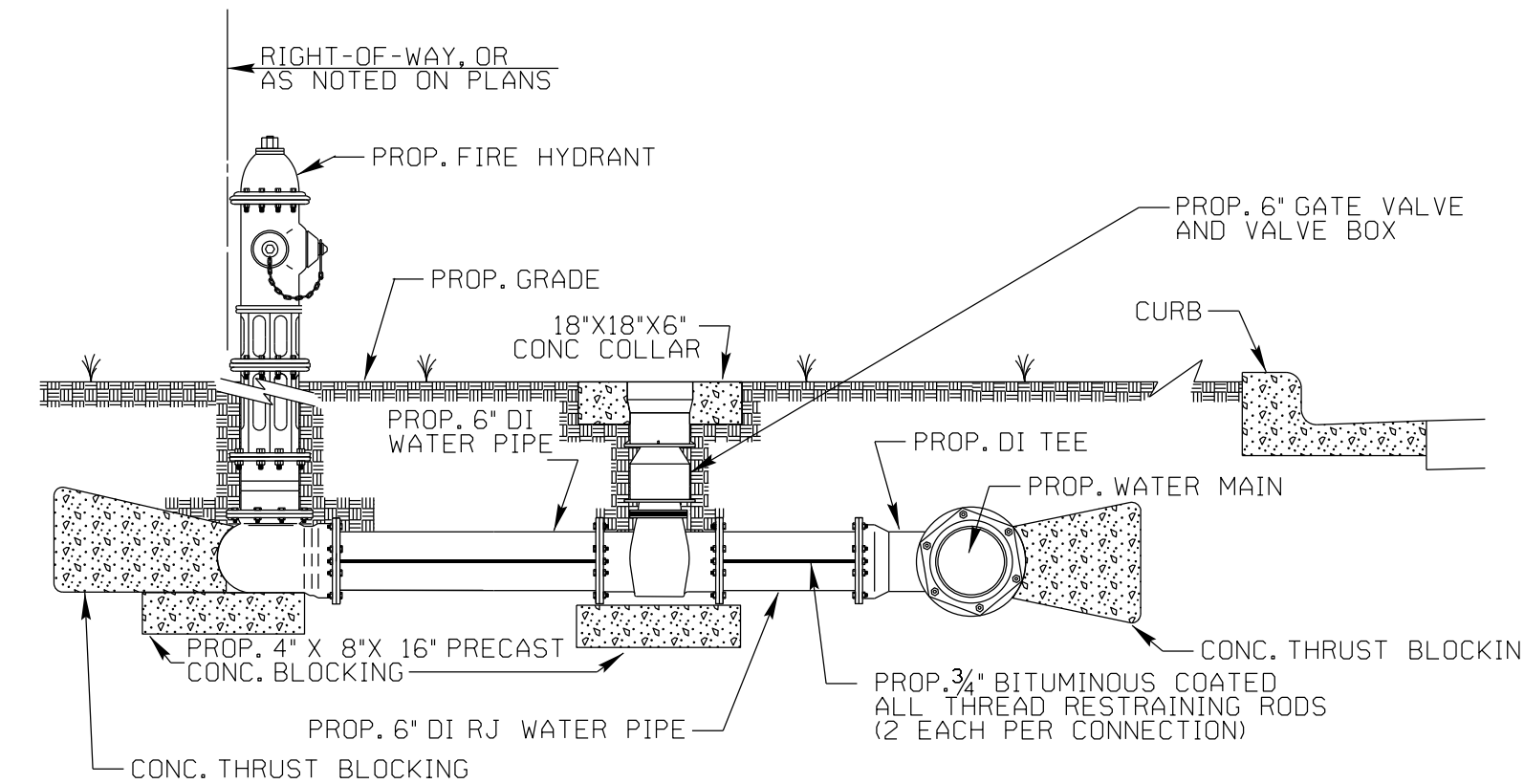


- NOTES:
- RELOCATION SHALL INCLUDE THE REMOVAL AND INSTALLATION AT THE APPROPRIATE LOCATION OF THE WATER METER, METER SETTER AND YOKE, METER VALVES, AND METER BOX WITH LID.
 - THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
 - THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 36\"/>

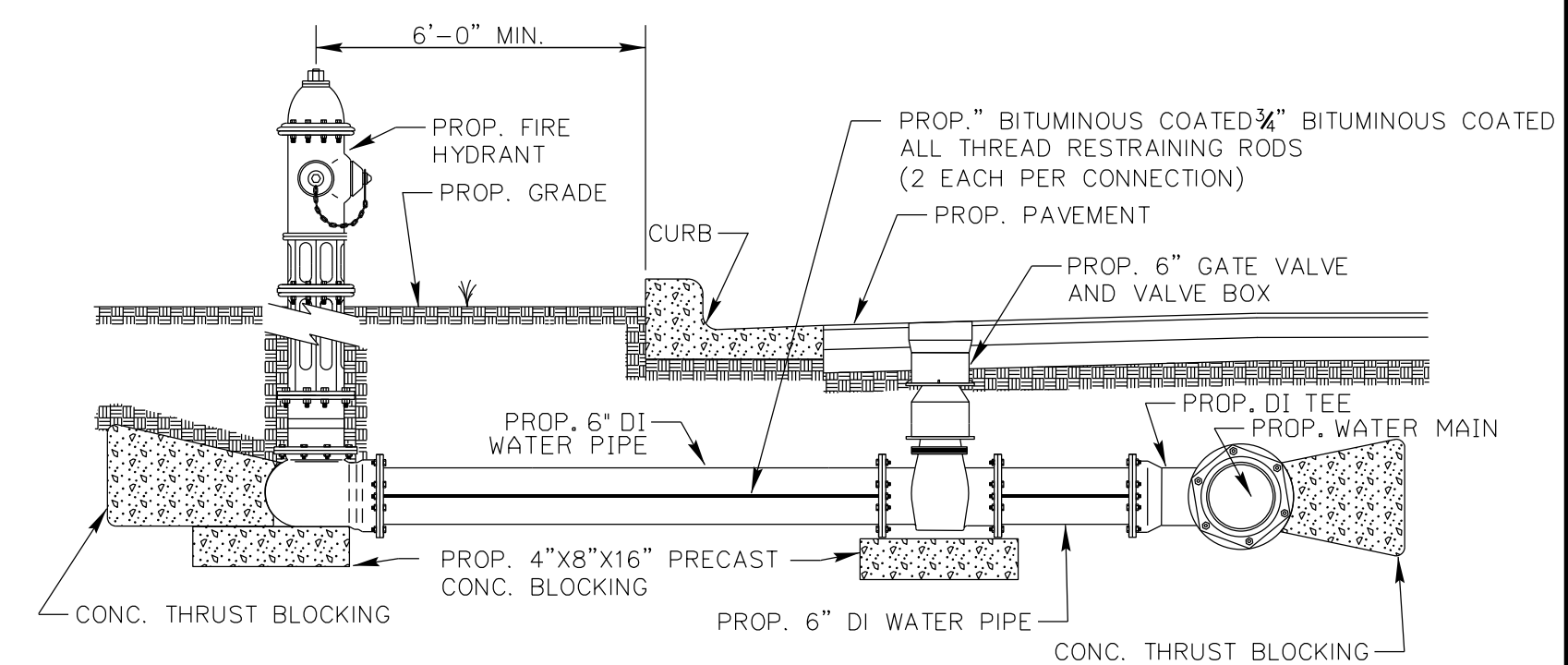
WATER METER RELOCATION DETAIL



TYPICAL VALVE & VALVE BOX INSTALLATION



FIRE HYDRANT INSTALLATION DETAIL (UNPAVED AREAS)



FIRE HYDRANT INSTALLATION DETAIL (PAVED AREAS)