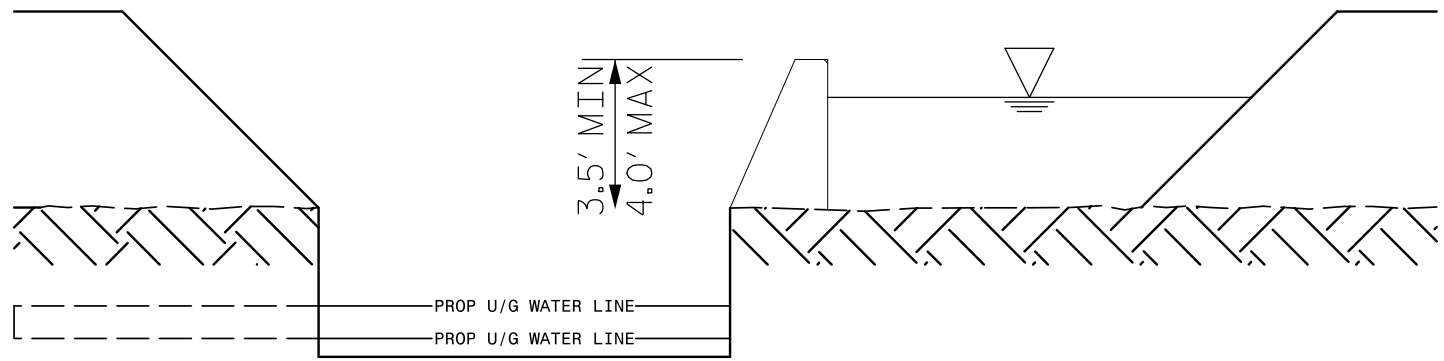
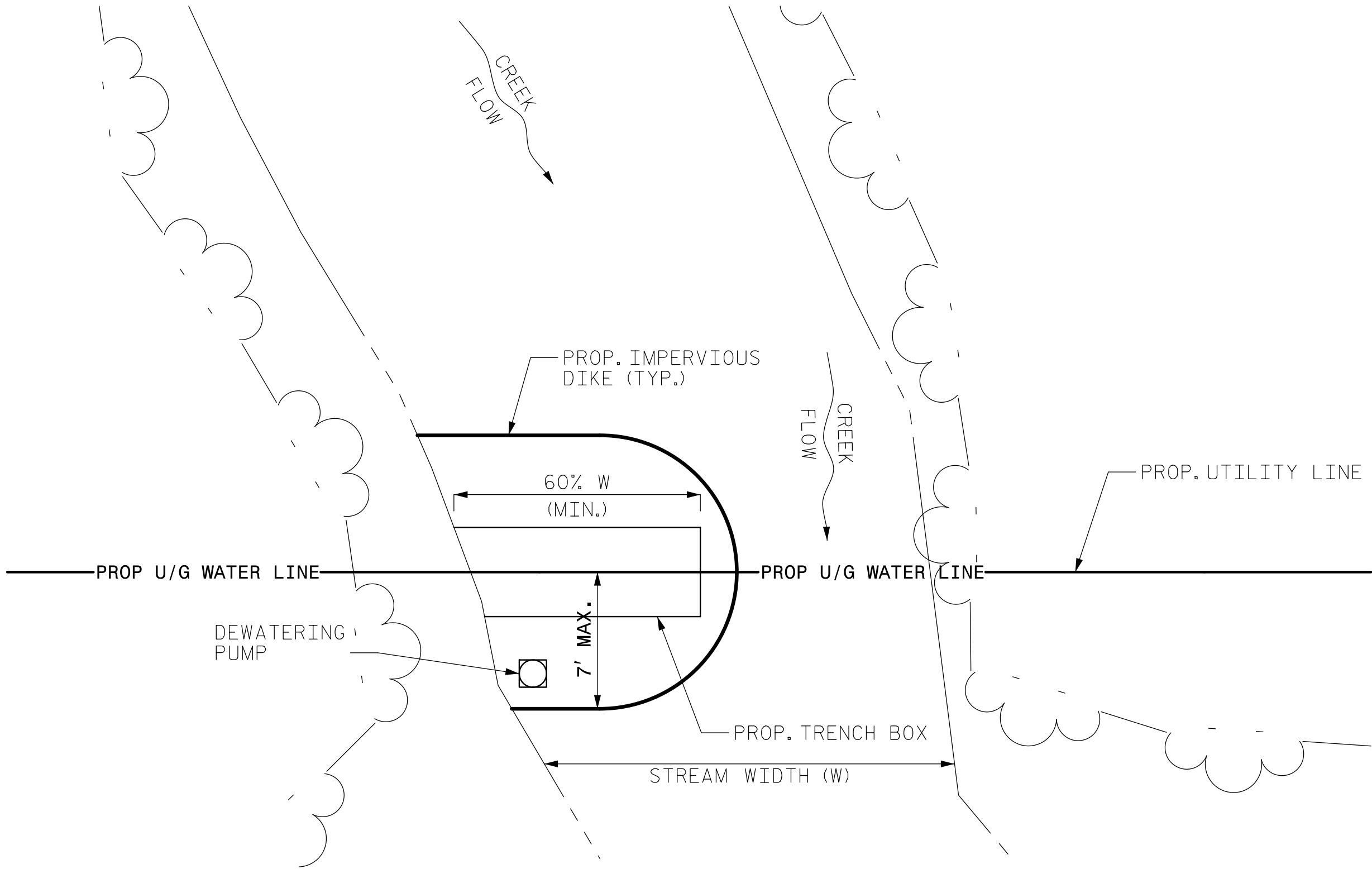


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U:\Utilities\Engineering\UC\Proj\Sheet\R138_ut.dtl_UC03A_psh.dgn
tokr-bj

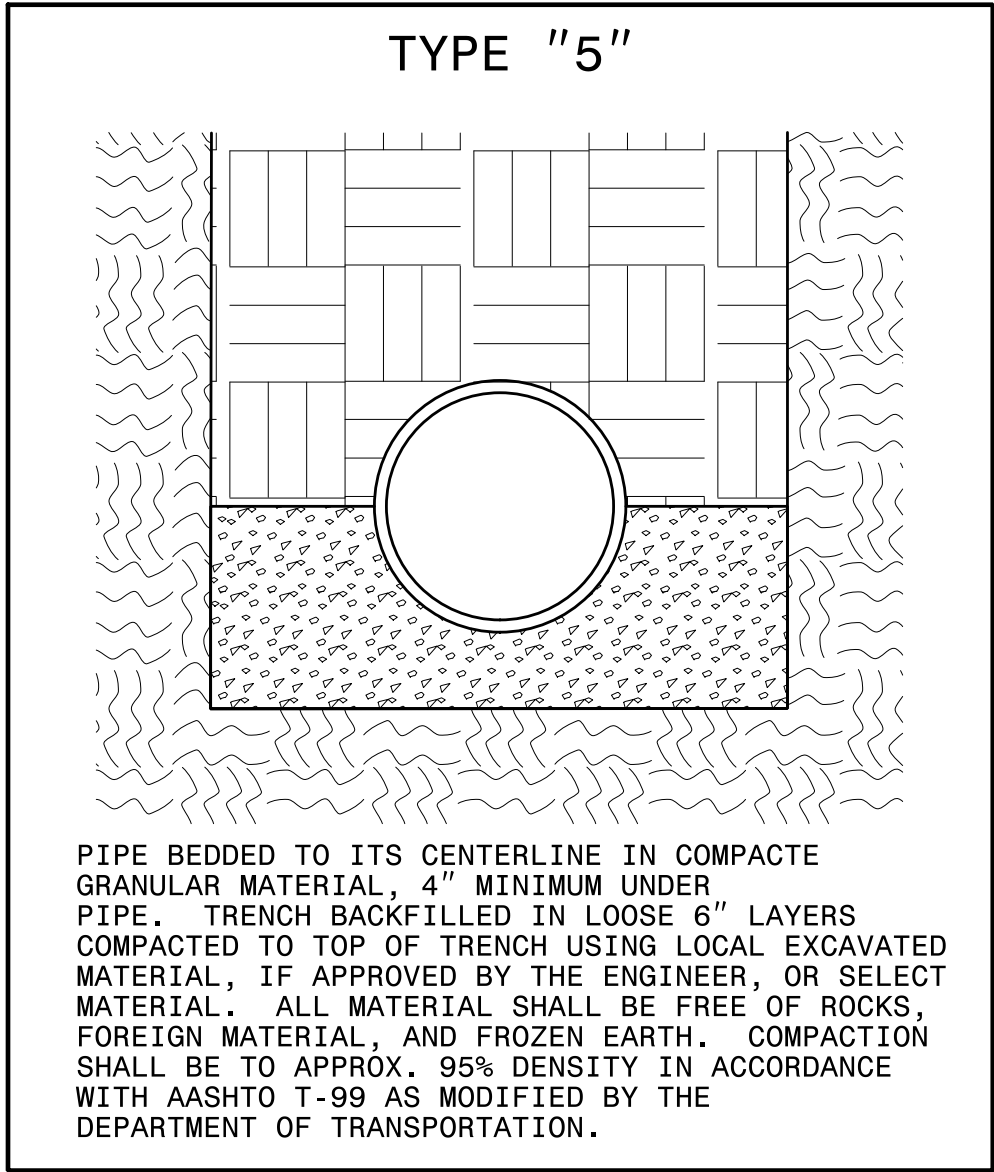
PROJECT TYPICAL DETAILS



IMPERVIOUS DIKE SECTION

OPEN CUT CONSTRUCTION

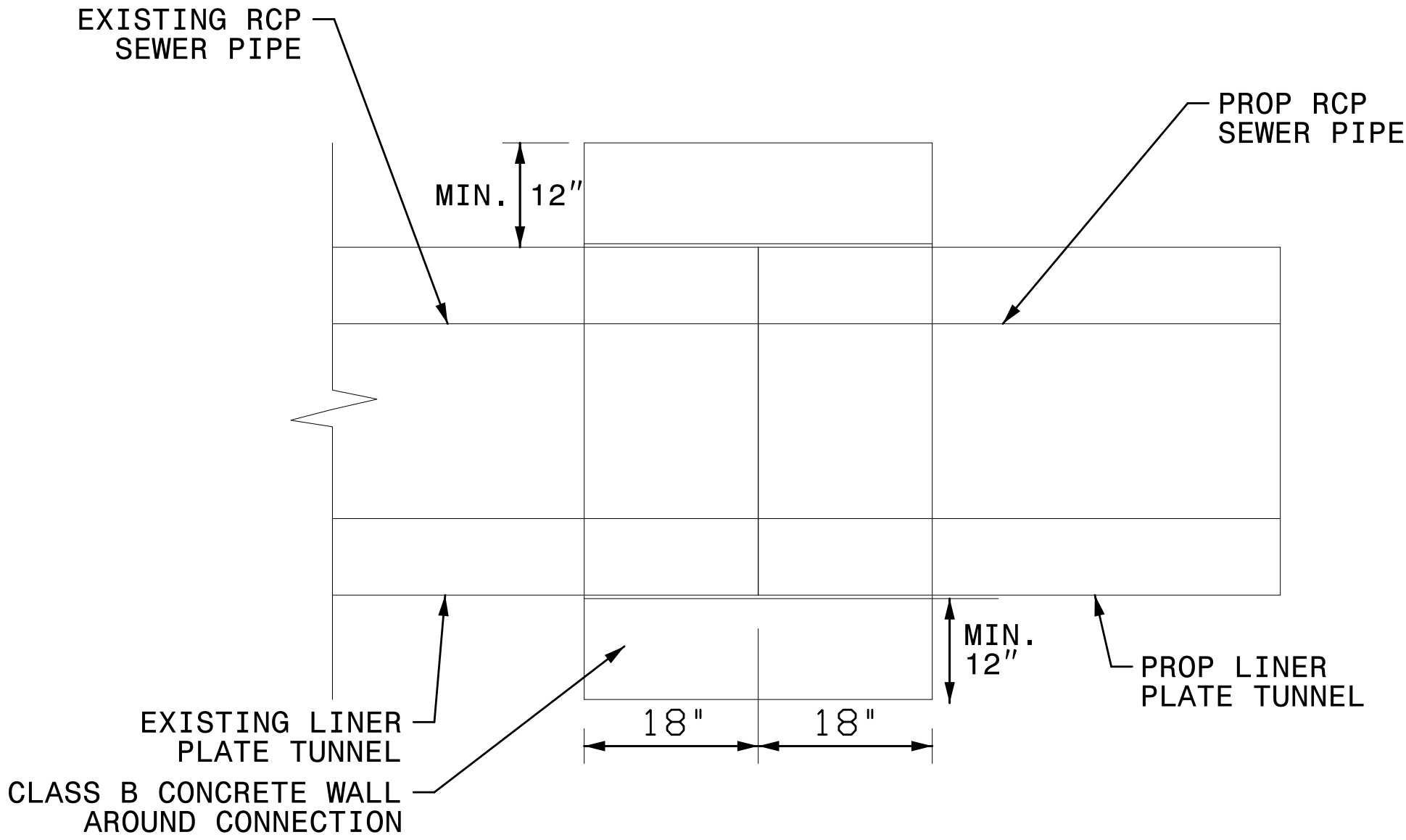
NOT TO SCALE



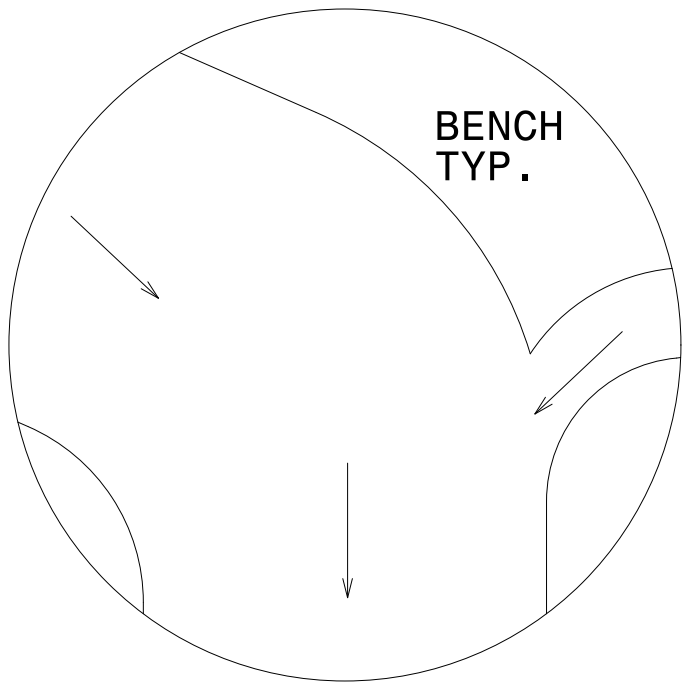
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		

NOTES:

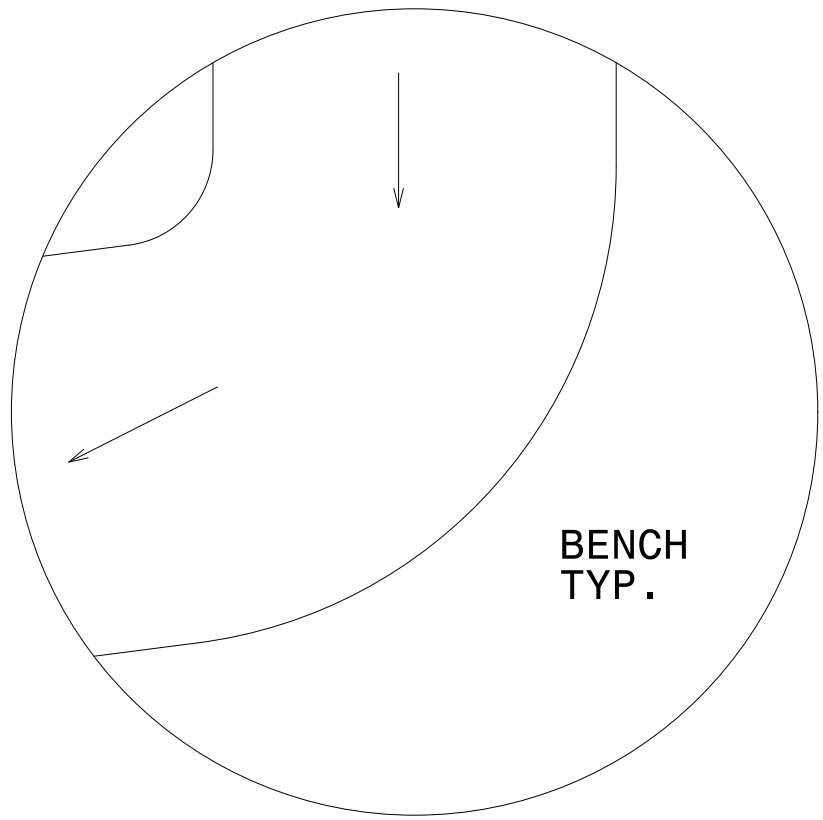
1. BASE FLOW OF STREAM WILL BE DIVERTED AROUND WORK AREA AND RELEASED BACK INTO EXISTING STREAM BELOW THE WORK AREA.
2. SANDBAG MATERIAL:
SANDBAG SHALL BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT FOUR OUNCES PER SQUARE YARD, MULLEN BURST STRENGTH EXCEEDING 300 PSI IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D4355. USE OF BURLAP IS NOT ACCEPTABLE.
3. SAND FOR SANDBAGS SHALL BE A MINIMUM 110LB/CU. FT MATERIAL.
4. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS NECESSARY TO PROTECT THE EXISTING WATERLINE FROM LEAKS OR DAMAGE DURING THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED WATERLINE.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO FOLLOW ALL OSHA AND STATE SAFETY REQUIREMENTS PERTAINING TO THIS EXCAVATION.
6. ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.
7. PERFORM CROSSING DURING ANTICIPATED DRY WEATHER ONLY. INSTALL PROPOSED UTILITY IN A DRY TRENCH.
8. IMPERVIOUS DIKE TO BE APPROX 60% OF STREAM WIDTH.
9. ONCE PIPE IS INSTALLED, INSTALL IMPERVIOUS DIKE ON OPPOSITE SIDE OF CREEK AND INSTALL REMAINDER OF PIPE CROSSING.



CONCRETE COLLAR FOR PROPOSED SEWER & TUNNEL CONNECTIONS



SSMH3 INVERT DETAIL



SSMH2 INVERT DETAIL

NOTE: FORM BENCH AND INVERTS TO CREATE SMOOTH TRANSITIONS



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PROJECT REFERENCE NO.		SHEET NO.	
BP10-R013		UC-3A	
DESIGNED BY: XMD		UTILITY CONSTRUCTION PLANS ONLY	
DRAWN BY: TK			
CHECKED BY: XMD			
APPROVED BY:			
REVISD:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		7/10/2025	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION



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