

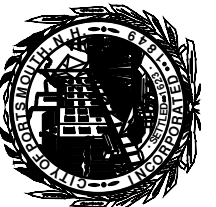
GENERAL UTILITY TRENCH
SCALE: N.T.S

NOTES:

- PIPE AND FITTING MATERIALS (UNLESS OTHERWISE INDICATED ON THE PLANS):
 WATER – CLASS 52 DUCTILE IRON
 SEWER – PVC SDR35
 DRAIN – HIGH DENSITY POLYETHYLENE (HDPE)
- BEDDING MATERIAL (FULL WIDTH OF TRENCH):
 WATER – SAND (NHDOT 304.1)
 SEWER – 3/4" WASHED CRUSHED STONE
 DRAIN – 3/4" WASHED CRUSHED STONE
- SAND SHALL NOT BE DIRECTLY PLACED ON CRUSHED STONE. IN THE EVENT FINELY GRADED BACKFILL OR SAND IS USED ABOVE STONE, GEOTEXTILE FABRIC SHALL BE PLACED TO SEPARATE.
- SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT OR CLAY, EXCAVATED LEDGE MATERIAL, AND ANY OTHER ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIALS DEEMED TO BE UNACCEPTABLE BY THE ENGINEER.
- DEPTH OF COVER SHALL BE:
 WATER – 5' MIN. & 7' MAX. (<5' REQ. RIGID INS.)
 SEWER – AS INDICATED ON PLANS (<6' REQ. RIGID INS.)
 DRAIN – AS INDICATED ON PLANS
 2" RIGID FOAM INSULATION SHALL BE PLACED ON TOP OF BEDDING MATERIAL. BEDDING MATERIAL SHALL BE MADE SMOOTH TO ALLOW FOAM BOARD TO SIT WITHOUT VOIDS BENEATH. FOAM SHALL BE INSTALLED THE FULL WIDTH OF THE TRENCH, NOT TO EXCEED 4' WIDE.
- DUCTILE IRON WATER MAIN SHALL BE POLY WRAPPED AND HAVE THREE BRASS WEDGES (FOR CONTINUITY AND TRACING) AT ALL NON MECHANICAL CONNECTIONS.
- ALL PIPES GREATER THAN 12" DIA. WITH STONE BEDDING, BEDDING SHALL BE WRAPPED IN GEOTEXTILE FABRIC. GEOTEXTILE FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUAL. FABRIC SHALL BE WRAPPED COMPLETELY AROUND STONE w/12" (MIN) OVERLAP AT SEAMS.

REFERENCES:
CITY OF PORTSMOUTH
STANDARD
TECHNICAL
SPECIFICATIONS

DEPARTMENT OF
PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530



DATE:	05/09/2025
SCALE:	NONE
PROJ. NO.:	N/A
APVD BY:	PHR

PROJECT:
CITY OF PORTSMOUTH
STANDARD DETAILS

TITLE:
GENERAL UTILITY TRENCH

SHEET:
GU-001