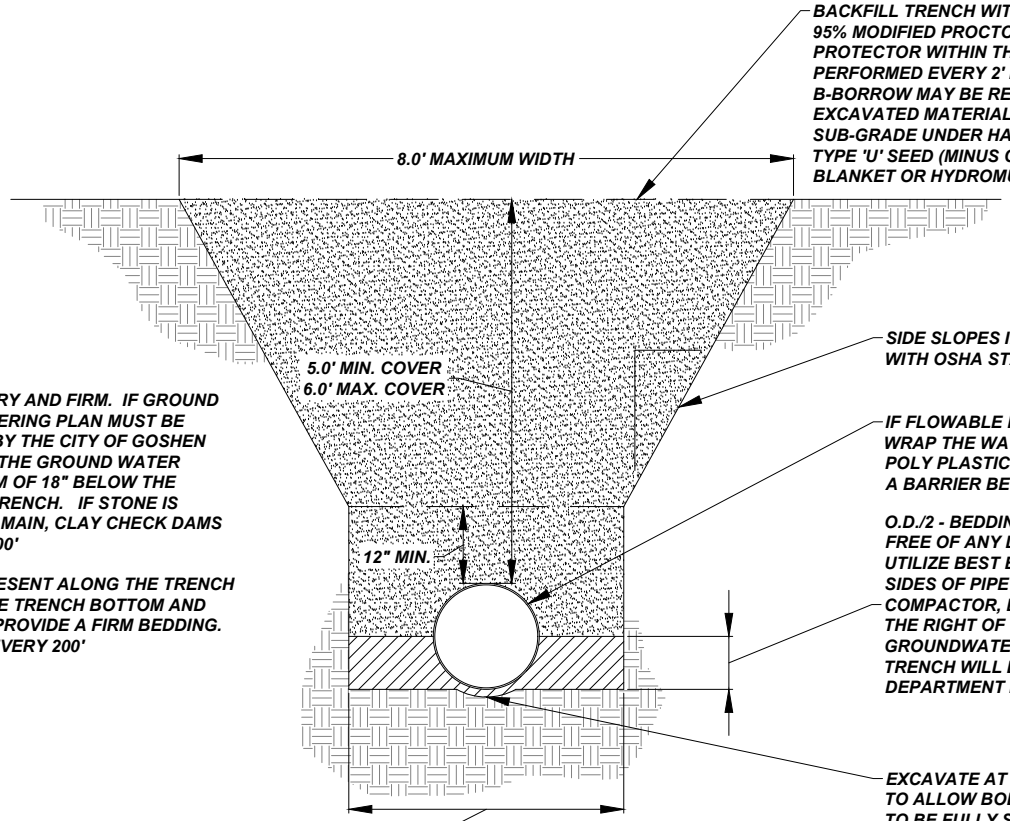

BACKFILL TRENCH WITH APPROVED EXCAVATED MATERIAL COMPACTED TO 95% MODIFIED PROCTOR OUTSIDE THE RIGHT OF WAY AND 98% MODIFIED PROTECTOR WITHIN THE RIGHT OF WAY. COMPACTION TEST TO BE PERFORMED EVERY 2' IN DEPTH AT A MAX. 500' SPACING ALONG TRENCH. B-BORROW MAY BE REQUIRED FOR WORK WITHIN THE RIGHT OF WAY IF EXCAVATED MATERIAL IS UNSUITABLE. BACKFILL TO THE PROPOSED SUB-GRADE UNDER HARD SURFACE AREAS AND PLACE 4" OF TOPSOIL WITH TYPE 'U' SEED (MINUS CLOVER) WITH STRAW & TACKIFIER, EROSION CONTROL BLANKET OR HYDROMULCH OUTSIDE HARD SURFACE AREAS

SIDE SLOPES IN ACCORDANCE WITH OSHA STANDARDS OR TRENCH BOX

IF FLOWABLE FILL IS PLACED AROUND THE WATER MAIN, WRAP THE WATER MAIN, FITTINGS AND VALVES IN 6 MIL. POLY PLASTIC OR POLYETHYLENE ENCASEMENT TO PROVIDE A BARRIER BETWEEN MATERIALS

O.D./2 - BEDDING MATERIAL SHALL BE CLEAN MATERIAL FREE OF ANY LARGE STONE, ORGANIC MATERIAL OR DEBRIS, UTILIZE BEST EXCAVATED MATERIAL. COMPACT MATERIAL ALONG SIDES OF PIPE BY MECHANICAL MEANS, JUMPING JACK, PLATE COMPACTOR, ETC. B-BORROW MAY BE REQUIRED FOR WORK WITHIN THE RIGHT OF WAY IF EXCAVATED MATERIAL IS UNSUITABLE. IF GROUNDWATER IS LOCATED IN THE TRENCH, DEWATERING OF THE TRENCH WILL BE REQUIRED. THE CITY OF GOSHEN ENGINEERING DEPARTMENT MUST APPROVE THE METHOD OF DEWATERING

EXCAVATE AT BELLS, FITTINGS AND VALVES TO ALLOW BODY OF DUCTILE IRON WATER MAIN TO BE FULLY SUPPORTED BY TRENCH BOTTOM

MAXIMUM TRENCH BOTTOM WIDTH, 24" WIDER THAN O.D. OF DUCTILE IRON WATER MAIN

NOTES:

1. TRENCH BOTTOM SHALL BE DRY AND FIRM. IF GROUND WATER IS PRESENT, A DEWATERING PLAN MUST BE PRESENTED AND APPROVED BY THE CITY OF GOSHEN ENGINEERING DEPARTMENT. THE GROUND WATER MUST BE LOWERED A MINIMUM OF 18" BELOW THE BOTTOM OF THE PROPOSED TRENCH. IF STONE IS PLACED AROUND THE WATER MAIN, CLAY CHECK DAMS MUST BE INSTALLED EVERY 200'

2. IF UNSUITABLE SOILS ARE PRESENT ALONG THE TRENCH BOTTOM, OVER EXCAVATE THE TRENCH BOTTOM AND PLACE No. 8 AGGREGATE TO PROVIDE A FIRM BEDDING. INSTALL CLAY CHECK DAMS EVERY 200'

WATER MAIN TRENCH

NOT TO SCALE

The City Of Goshen
Department of Public Works & Safety
Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528
Phone: 574-534-2201 Fax: 574-533-8626
Web: goshenindiana.org

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions					
03/27/2025					

CITY OF GOSHEN, INDIANA
STANDARD DETAIL

Drafted By:	Approved By:
J. Hoffman	D. Sailor, P.E.

Drawing Number:
WA-101