



**GENERAL NOTES:**

1. ANY SOFT OR SPONGY MATERIAL ENCOUNTERED BELOW THE ELEVATION OF THE PIPE SHALL BE REMOVED AND REPLACED WITH WELL COMPACTED MOIST FINE AGGREGATE.
2. ANY ROCK ENCOUNTERED IN THE TRENCH SHALL BE REMOVED TO A DEPTH OF AT LEAST 8 INCHES BELOW THE PIPE GRADE AND REPLACED WITH WELL COMPACTED MOIST FINE AGGREGATE.
3. THE SIDES OF THE TRENCH MAY BE SLOPED OR BENCHED ABOVE A 5 FT TRENCH DEPTH OR ABOVE THE ELEVATION OR THE TOP OF PIPE, WHICHEVER IS GREATER, IN LIEU OF COMPLETE SHORING OR SHEETING OF THE FULL TRENCH DEPTH.

**BACKFILL OPTIONS:**

- METHOD 1: UNIFORM LAYERS NOT EXCEEDING 12" THICK RAMMED OR TAMPED WITH APPROVED TOOLS  
 METHOD 2: UNIFORM LAYERS NOT EXCEEDING 12" THICK INUNDATED OR DEPOSITED IN WATER  
 METHOD 3: FILL TRENCH WITH LOOSE MATERIAL THEN JET WITH WATER, 6 FT SPACING OF HOLES.

561-4

## WATERMAIN INSTALLATION REQUIREMENTS

MODEL: d:\et\_3\_sct\hls  
 FILE NAME: p:\pub\caw.bentley.com\p\id\DOT\Documents\DOT Offices\Dirlet\_3\Projects\5-Darcy Details\03\_Detail Revisions 2023\500-599 STRUCTURES.dgn

USER NAME = anthony.grunstad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/23	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								CONTRACT NO.				
								ILLINOIS		FED. AID PROJECT		