



THE FOLLOWING GRADED BEDDING MATERIAL MAY BE USED IN WET TRENCHES:

U.S. STANDARD SIEVE SIZE	PERCENT BY WEIGHT PASSING
1.5"	100%
1"	50-90%
3/4"	30-70%
3/8"	10-40%
#4	5-25%
#200	0-10%

CLASS A BACKFILL PER ORANGE BOOK 200.03.02 USED AS BEDDING MATERIAL MUST BE USED IN DRY TRENCHES ONLY, SEE NOTE 6.

SEE NOTES ON PAGE 2

PAGE 1 OF 2

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION: DOUGLAS COUNTY
			<h1>TYPICAL SEWER TRENCH</h1>	DATE: DEC 2018
				DWG: C01

NOTES:

1. ALL REQUIREMENTS OF THE SEWER UTILITY ORDINANCE, APPENDIX D SEWER FACILITIES ORDINANCE FROM TITLE 20, MUST BE MET.
2. ANY VARIATION IN BEDDING GRADATIONS SHALL ONLY BE ALLOWED IF GRADATION OF ALTERNATIVE MATERIAL IS SUBMITTED TO AND APPROVED BY THE COUNTY ENGINEER OR SEWER UTILITY PRIOR TO CONSTRUCTION.
3. CLASS A AND CLASS E BACKFILL AND BEDDING MATERIAL SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. BEDDING AND BACKFILL SHALL BE MECHANICALLY COMPACTED OR CONSOLIDATED IN CONFORMANCE WITH SECTION 305 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. PLACE WARNING TAPE 1-FOOT ABOVE SEWER PIPE. WARNING TAPE SHALL READ "CAUTION SEWER MAIN".
5. SEWER PIPE COLOR SHALL BE GREEN FOR GRAVITY SEWER AND PURPLE FOR RECLAIMED WATER.
6. BEDDING MATERIAL SHALL BE PER ORANGE BOOK 200 COMPACT OR CONSOLIDATE TO PROVIDE PROPER SUPPORT OF PIPE.
7. FOR STRUCTURAL (PAVEMENT) SECTION, SEE "STREET CUT REPAIR" DETAIL A14.

FORCE MAIN NOTES:

1. FORCE MAIN BEDDING MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE ORANGE BOOK. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION.
2. BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE ORANGE BOOK. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305 OF THE ORANGE BOOK AND DENSIFIED TO 90% RELATIVE COMPACTION.
3. PLACE WARNING TAPE 1-FOOT ABOVE THE FORCE MAIN. WARNING TAPE SHALL READ "CAUTION FORCE MAIN".
4. FORCE MAIN SHALL HAVE A MINIMUM OF 4 FEET OF COVER MEASURED FROM FINISHED GRADE TO TOP OF PIPE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION:
			TYPICAL SEWER TRENCH	DOUGLAS COUNTY
				DATE: DEC 2018
				DWG: C01