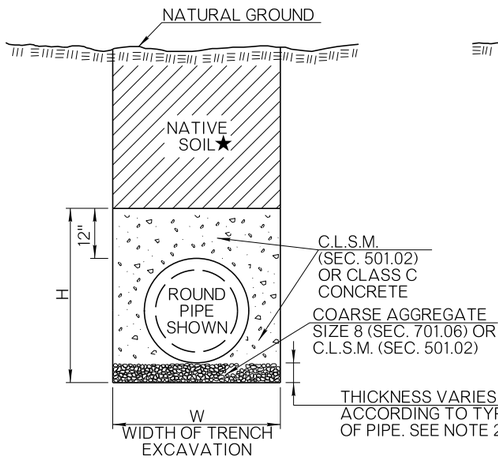
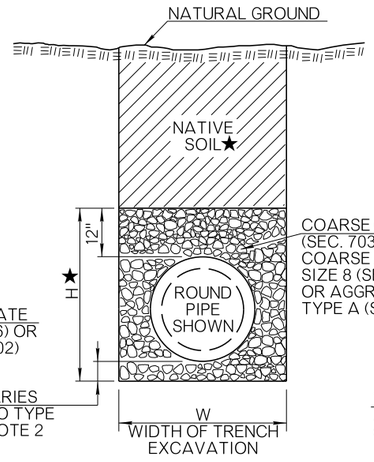
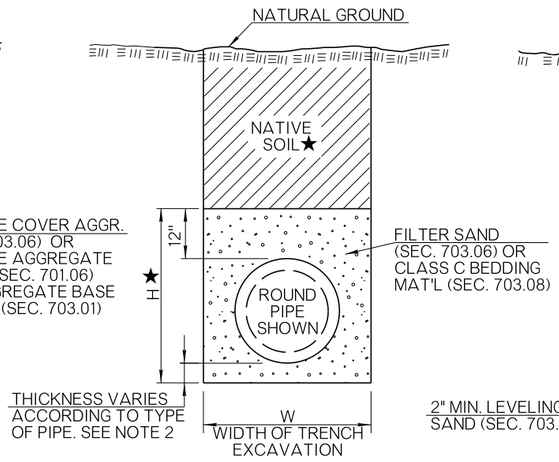


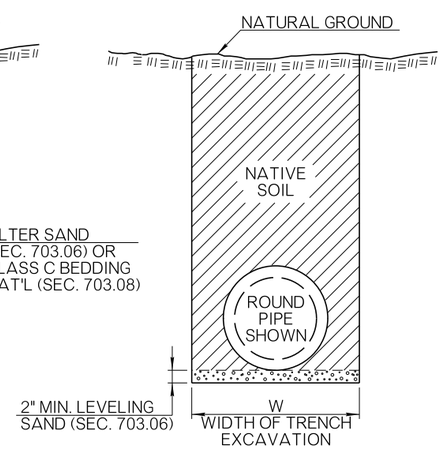
CLASS A BEDDING



CLASS B BEDDING



CLASS C BEDDING



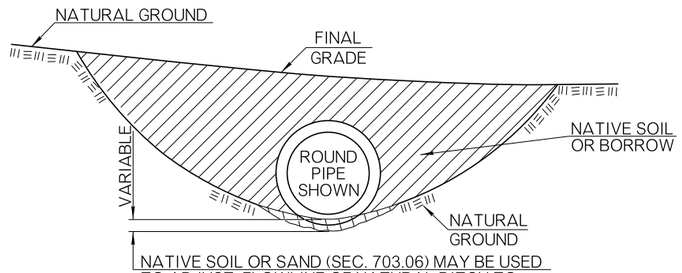
CLASS D BEDDING
ALTERNATE 1

PIPE BEDDING CLASS/DESIGN TABLE

TYPE OF PIPE	■ UNDER PAVING				OUTSIDE PAVING		
	CROSS DRAIN (NHS OR ADT > 6000 VPD)	CROSS DRAIN (OTHER)	STORM SEWER (NHS OR ADT > 6000 VPD)	STORM SEWER (OTHER)	CROSS DRAIN	SIDE DRAIN	STORM SEWER
REINFORCED CONCRETE PIPE	B	C	B	C	C	D	C
CORRUGATED GALV. STEEL PIPE (CGSP)	NA	B	NA	B	C	D	C
MILL (POLYMER) PRECOATED CGSP	NA	B	NA	B	C	D	C
CORRUGATED GALV. STRUCT. PLATE	NA	B	NA	B	C	D	C
ALUMINIZED (ALUMINUM COATED) TYPE II CSP	NA	B	NA	B	C	D	C
CORRUGATED HIGH DENSITY POLYETHYLENE / PVC	NA	A	NA	A	B	B	B
POLYVINYL CHLORIDE (SC 40/80 PVC)	NA	NA	NA	NA	NA	NA	NA
CORRUGATED POLYPROPYLENE PIPE (PP) ▲	B	B	B	B	C	D	C

■ WHEN THERE IS ANY POSSIBILITY OF THE PAVEMENT BEING WIDENED DURING THE LIFE OF THE DRAINAGE STRUCTURE, THE BEDDING SHALL MEET THE 'UNDER PAVING SECTION' CRITERIA FOR THE FULL EXTENT OF ANY ANTICIPATED EXPANSION TO THE FACILITY.

▲ BACKFILL WITH A MINIMUM OF TWO (2) FEET OF APPROVED BACKFILL MATERIAL FOR DIAMETERS GREATER THAN 42 INCHES.
SEE ROADWAY STANDARD "THERMOPLASTIC CULVERT INSTALLATION"



CLASS D BEDDING
ALTERNATE 2

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. THE THICKNESS OF BEDDING MATERIAL BELOW PIPE CONDUIT VARIES ACCORDING TO THE TYPE OF PIPE BEING INSTALLED. SEE ROADWAY STANDARDS CCI-1, TCI-1 AND MCI-1.
3. NATIVE SOIL FOR BACKFILL, TO BE COMPACTED IN ACCORDANCE WITH SECTION 202.04 OF THE STANDARD SPECIFICATIONS.
4. A BETTER CLASS OF BEDDING MAY BY SUBSTITUTED FOR THE NEXT LOWER CLASS. EXAMPLE: CLASS A STANDARD BEDDING CAN BE USED IN LIEU OF CLASS B STANDARD BEDDING.
5. FOR TRENCH WIDTH (W), BEDDING HEIGHT (H), PIPE DATA, MULTIPLE PIPE SPACING & BEDDING DATA, SEE ROADWAY STANDARDS CCI-1, TCI-1, MCI-1, AND MCI-3.
6. DESIGN TABLE WILL DISPLAY 'NA' WHEN THE TYPE OF PIPE IS NOT ALLOWED.
7. STANDARD BEDDING CLASS D MATERIAL(S) (ALTERNATE 1) WILL BE CONSIDERED AS INCIDENTAL AND NOT BE PAID FOR SEPARATELY. COST FOR BORROW OR FILL MATERIAL, NEEDED FOR ALTERNATE 2, WILL BE INCLUDED IN THE PRICE OF THE PIPE.
8. PIPE MATERIAL(S)/PRODUCT(S) NOT SHOWN IN THE DESIGN TABLE WILL BE EVALUATED AND APPROVED ON A CASE BY CASE BASIS.
9. ALL TEMPORARY PIPES SHALL HAVE CLASS D BEDDING UNLESS OTHERWISE SHOWN IN THE PLANS.
10. BEDDING MATERIAL CLASSES B, C, AND D, SHALL BE PLACED IN 6" LAYERS. CLASSES C AND D BEDDING SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AND CLASS B SHALL BE COMPACTED TO 98% STANDARD DENSITY, ALL COMPACTION OF BEDDING MATERIAL SHALL BE DONE USING HAND-OPERATED EQUIPMENT ONLY.
11. ★ WHEN PIPE INSTALLATION IS UNDER PAVING, IN LIEU OF BACKFILLING WITH NATIVE SOIL, PLACE BEDDING MATERIAL ALL THE WAY TO THE PAVEMENT FOR ALL PIPES EXCEPT REINFORCED CONCRETE PIPE. THE STANDARD BEDDING HEIGHT FOR REINFORCED CONCRETE PIPE SHALL GO TO THE SPRINGLINE OF PIPE, NO MATTER IF PIPE IS UNDER PAVEMENT OR NOT, SEE ROADWAY STANDARD CCI-1 FOR DETAILS.
12. THE USE OF AN ALTERNATE PIPE AND ITS CORRESPONDING BEDDING MATERIAL WILL BE ACCEPTABLE PROVIDED THE CRITERIA IN THE DESIGN TABLE IS MET.
13. CORRUGATED POLYPROPYLENE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
613 (R)	STANDARD BEDDING MATERIAL, CLASS A	CY
613 (S)	STANDARD BEDDING MATERIAL, CLASS B	CY
613 (T)	STANDARD BEDDING MATERIAL, CLASS C	CY

ROADWAY DESIGN DIVISION STANDARD

PIPE BEDDING AND BACKFILL

OKLAHOMA Transportation

APPROVED BY ROADWAY DESIGN DIVISION
ON 01/07/2026

2019 SPECIFICATIONS

PBB-1 | 4

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