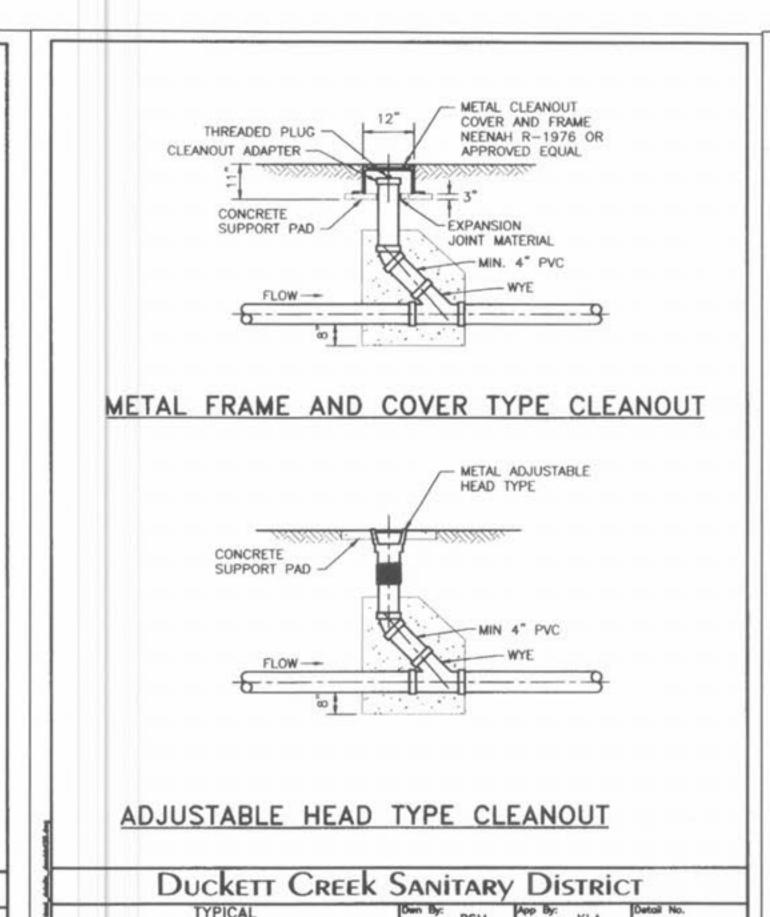


1. GROUTED RIP-RAP IS REQUIRED AT ALL CREEK CROSSINGS WHERE THE EMBANKMENTS CROSSED ARE STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL RATIO SLOPE; AND ALSO WHERE THERE IS 3 FEET OR LESS COVER OVER THE TOP OF THE SEWER MAIN.

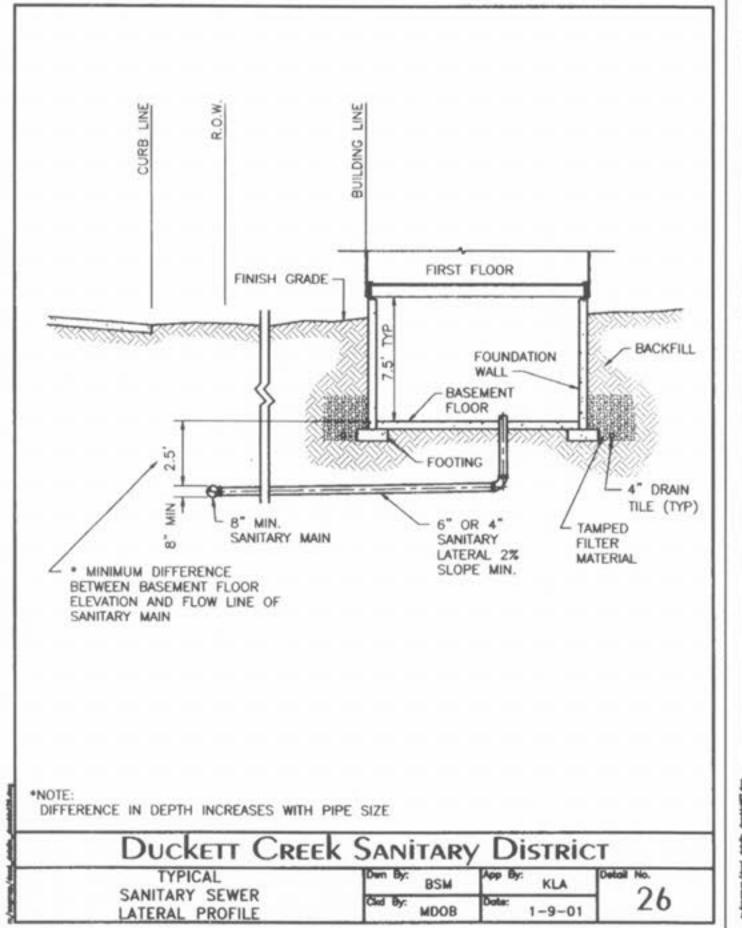
- 2. PLACE RIP-RAP ON LOWER 3/4 OF SLOPE, GRADE UPPER 1/4 OF SLOPE AT 1 VERTICAL TO 2 HORIZONTAL SLOPE FOR SOD OR 1 VERTICAL TO 2.5 HORIZONTAL SLOPE FOR SEED AND STRAW.
- 3. RIP-RAP TO BE 'MSD 5' GRADATION, MINIMUM 12" THICK, GROUTED WITH 8 SACK MIX, SAND-CEMENT SLURRY, BROOM FINISH.
- 4. INCORPORATE A 3 FEET DEEP TOE WALL ON EMBANKMENT'S UPPER EDGE OF RIP-RAP.
- 5. TOP SURFACE OF RIP-RAP SHOULD NOT BE HIGHER THAN ADJACENT GROUND SURFACE.
- 6. IF PIPE HAS LESS THAN 12" COVER, A PAVED CHANNEL MAY BE REQUIRED.
- 7. DUCTILE IRON PIPE IS REQUIRED WITHIN THE CREEK LIMITS.

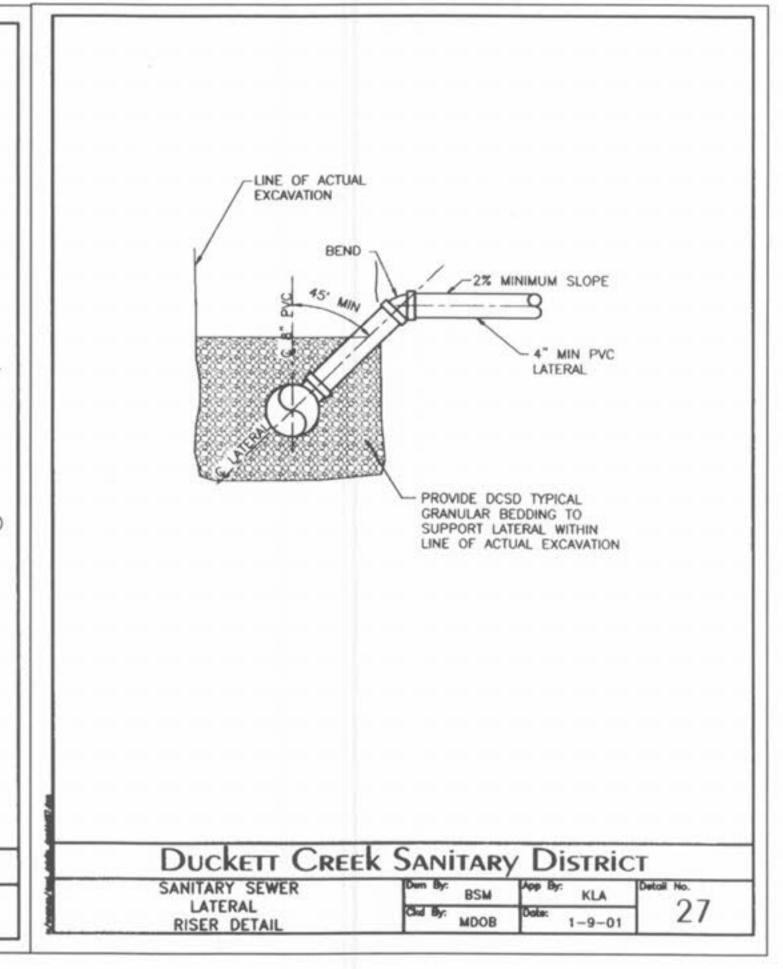
Duckett Creek	SANITARY	Distric	T
TYPICAL	Dwn By: BSM	App By: KLA	Detail No.
CREEK CROSSING	Clied By: MDOB	Date: 1-8-01	7 24

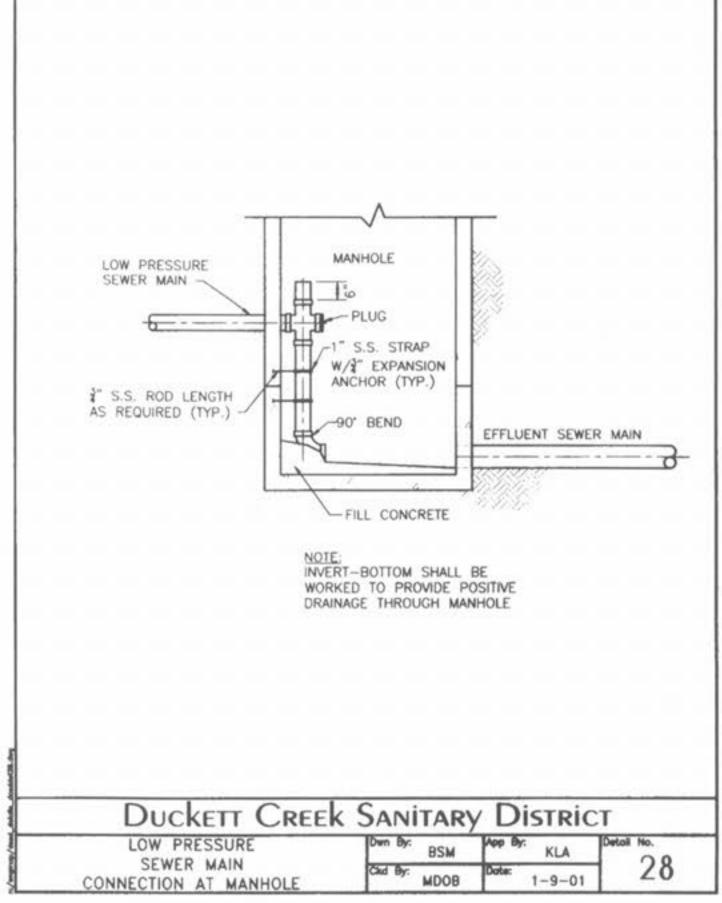


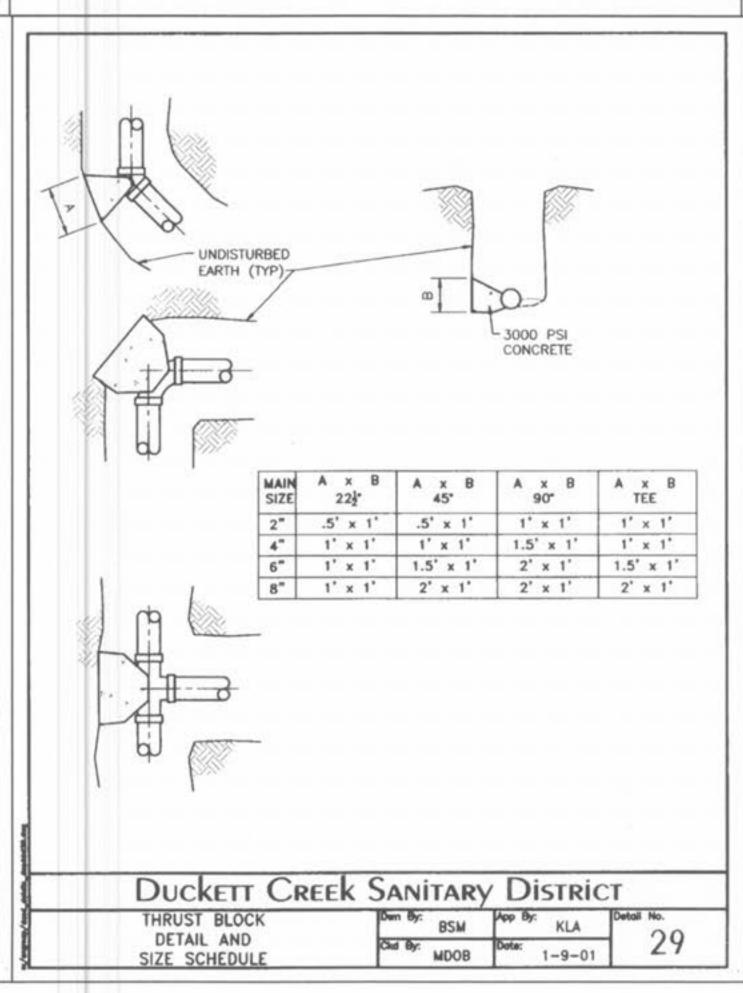
SEWER LATERAL

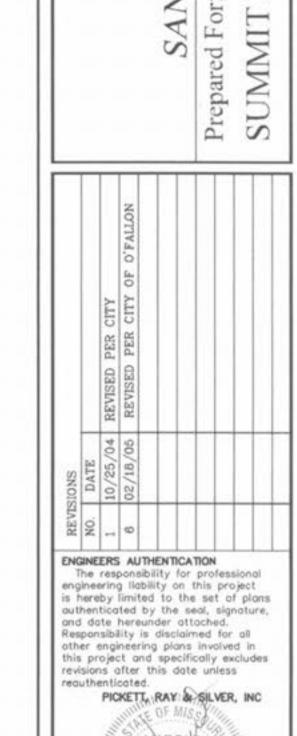
CLEANOUT DETAILS











SILVE

PICKET

333 Mid Rivers Mall Dri St. Peters, MO 63376 Phone (636) 397-1211 Fax (636) 397-1104

DRAWN

J.E.E.

CHECKED

DATE

D.W.D.

6-29-04

PROJECT # 01267.SUPO.02R

TASK # 2 FIELD

BOOK

WYNDGATE

DUCKETT CREEK

DUCKETT CREEK
SANITARY SEWER DETAILS
SHEET 168 OF 174
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