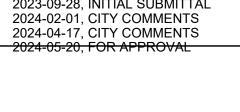
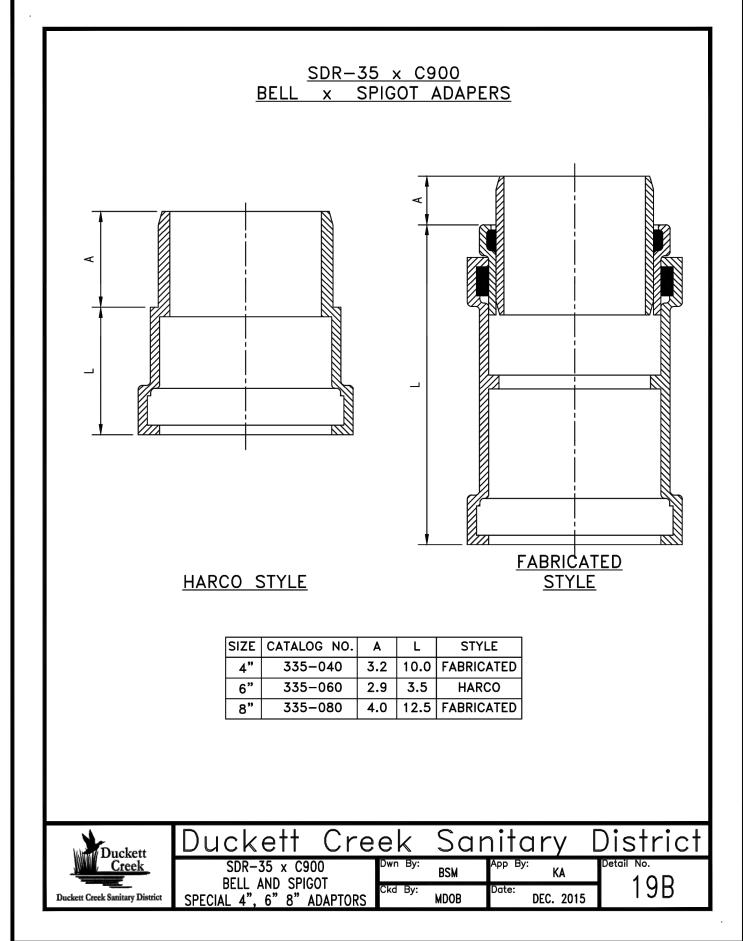
2023-09-28, INITIAL SUBMITTAL 2024-02-01, CITY COMMENTS 2024-04-17, CITY COMMENTS





1. WHEN A CONNECTION IS ALLOWED LARGER THAN 6" DIAMETER A SADDLE MAY BE USED IF THE I.D. OF THE

CONNECTION PIPE IS NOT GREATER THAN ONE HALF (1/2) OF THE I.D. OF THE MAIN SEWER. (EXAMPLE: 24" x 10")

2. IF THE I.D. OF THE CONNECTION PIPE IS GREATER THAN ONE HALF (1/2) THE I.D. OF THE MAIN SEWER THE WYE OR

3. THIS IS ACCOMPLISHED BY BREAKING AWAY AND REMOVING ONE SECTION OF PIPE. THE TOP HALF OF THE BELL ON

THE PIPE LYING ADJACENT TO THE GAP IS CAREFULLY BROKEN OFF. THE TOP HALF OF THE BELL ON THE MAIN REPLACEMENT SECTION (WITH A "TEE" "WYE") FITTING IS ALSO BROKEN OFF. THE REPLACEMENT PIPE IS THEN PLACED IN

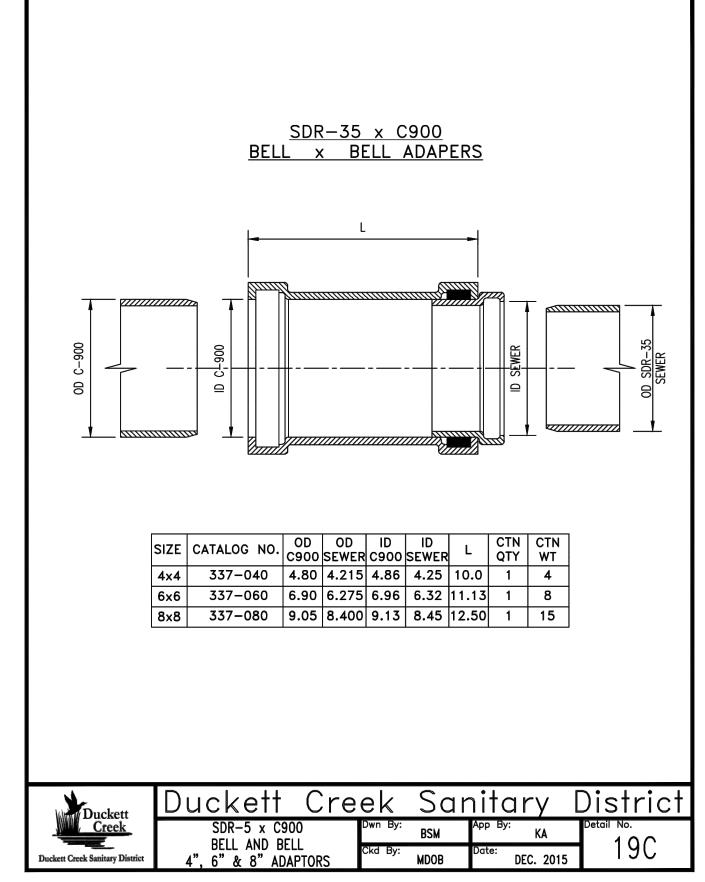
THE LINE GAP WITH THE STUB POINTED IN THE WRONG DIRECTION. THE BROKEN BELLS ON THE REPLACEMENT AND

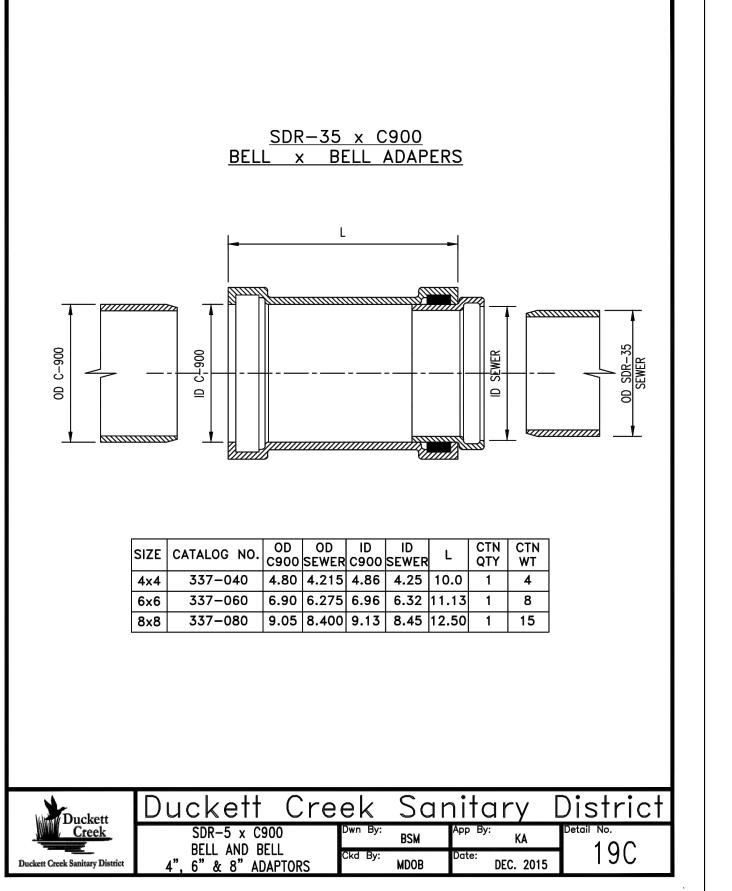
THE ADJOINING PIPE SECTIONS. THE REPLACEMENT SECTION IS THEN ROTATED TO THE DESIRED POSITION AND THE

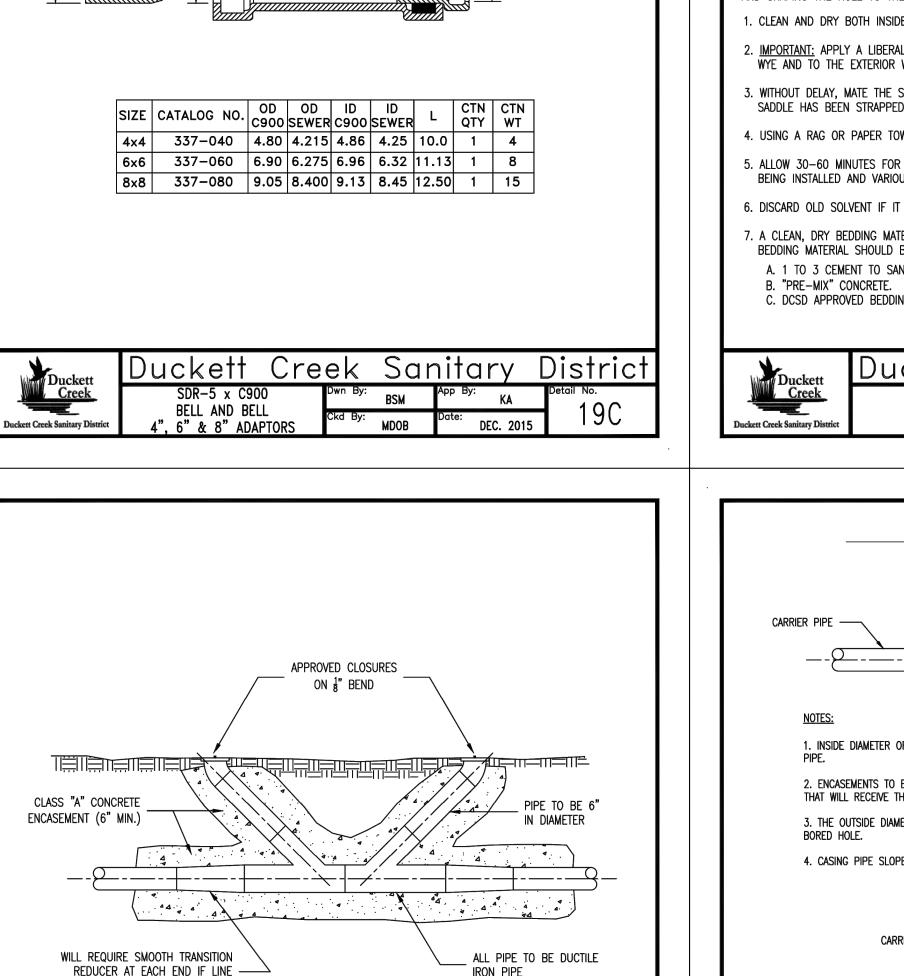
Creek

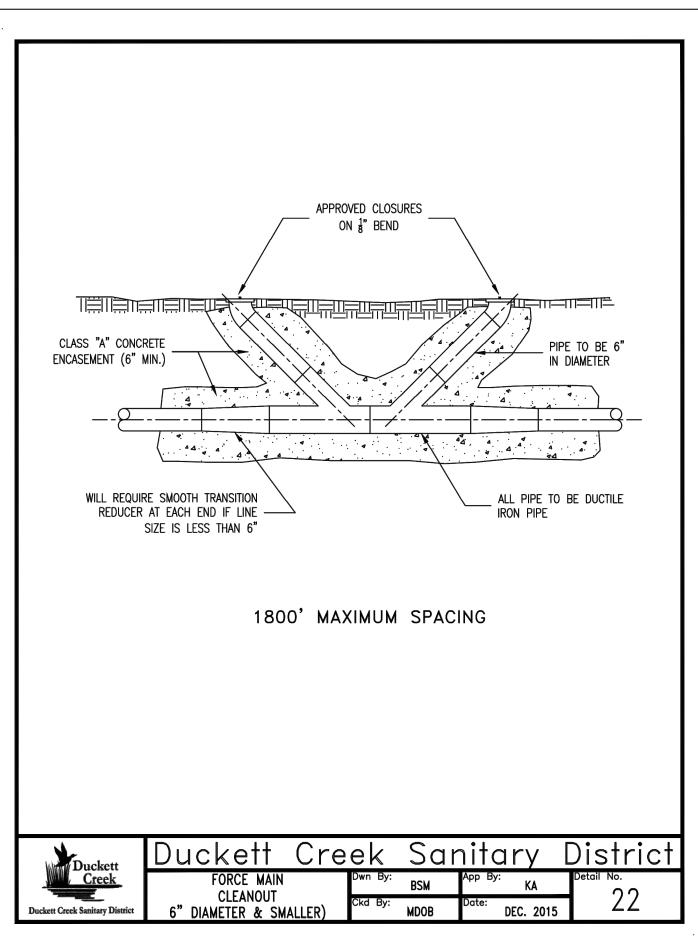
MDOB

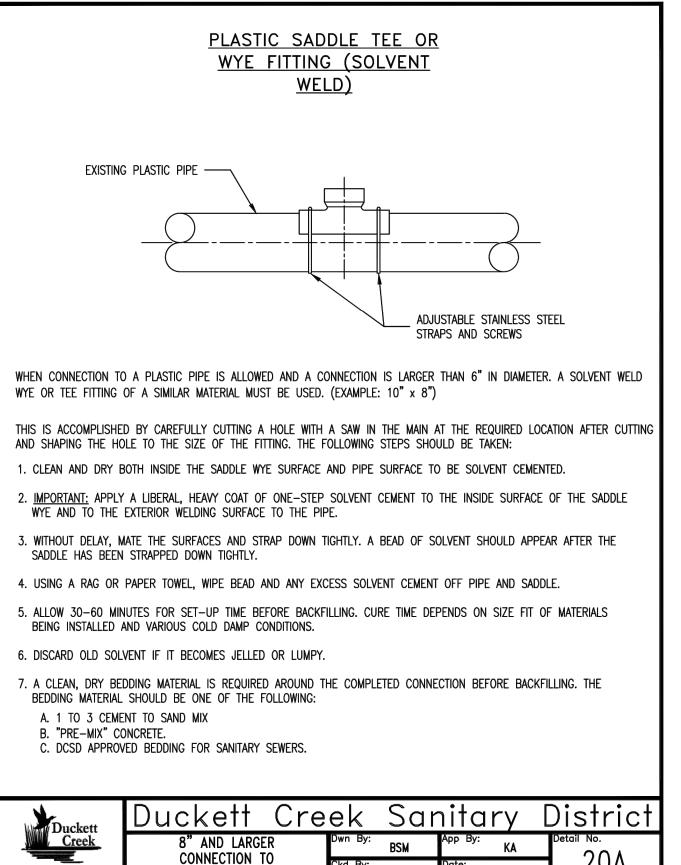
ADJOINING PIPE MAKE IT POSSIBLE FOR THE REPLACEMENT SECTION TO FIT INTO THE SEWER LINE WITHOUT DISTURBING

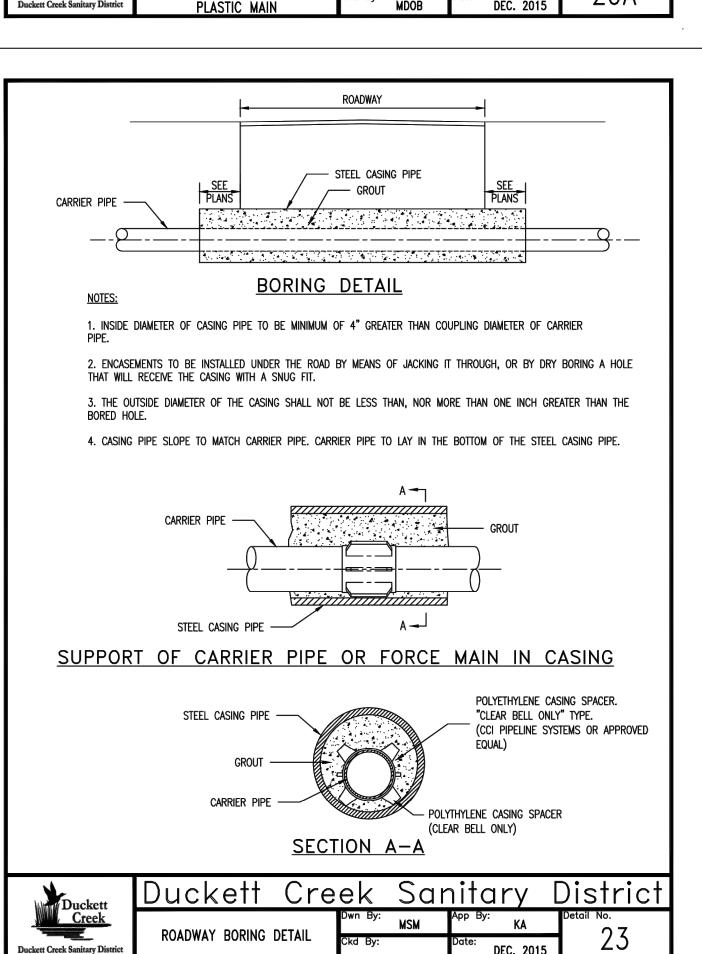


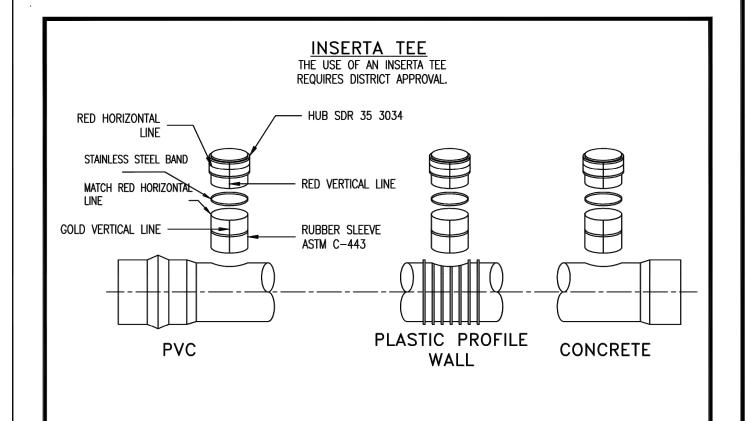












INSTALLATION PROCEDURE:

TEE SIZE: 4" 6" 8" 10" 12" 15" BIT SIZE: $4\frac{1}{2}$ " $6\frac{1}{2}$ " $8\frac{3}{4}$ " $10\frac{7}{8}$ " $12\frac{7}{8}$ " $15\frac{1}{6}$ " 1. CORE THE PROPER SIZE HOLE.

2. INSERT THE RUBBER SLEEVE ① IN THE CORED HOLE WITH THE GOLD VERTICAL LINE ON THE RUBBER SLEEVE ② FACING TO THE SIDE OF THE MAIN LINE. THE UPPER SEGMENT SHOULD BE ON TOP OF THE WALL OR RIB AND THE LOWER SEGMENT (PVC, PROFILE WALL, AND POLYETHYLENE PIPE ONLY) SHOULD BE ON THE INSIDE OF THE PIPE

3. APPLY THE INSERTA TEE SOLUTION SUPPLIED TO THE INSIDE OF THE RUBBER SLEEVE AND TO THE OUTSIDE OF THE PVC HUB ADAPTER. <u>CAUTION - DO NOT USE AN OIL BASED LUBRICANT.</u>

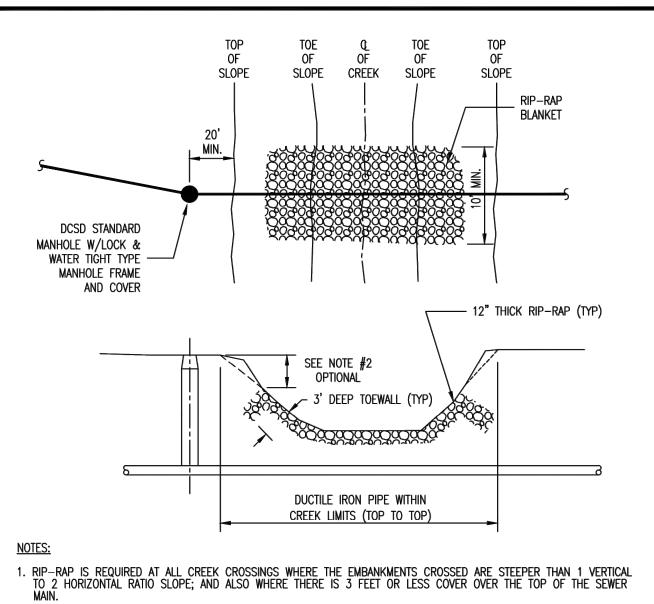
4. PLACE THE PVC HUB ADAPTER ③ INTO THE RUBBER SLEEVE. MAKE SURE THAT THE RED VERTICAL LINE ④ ON THE PVC HUB ADAPTER IS IN LINE WITH THE GOLD VERTICAL LINE ② ON THE RUBBER SLEEVE.

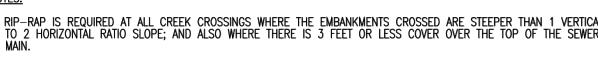
5. PLACE THE 2x4 BOARD ONTO THE TOP OF THE PVC HUB ADAPTER.

6. THE RED HORIZONTAL LINE (5) AT THE TOP OF THE HUB ADAPTER IS A DEPTH MARK. THIS TELLS THE INSTALLER HOW FAR TO DRIVE THE ADAPTER INTO THE RUBBER SLEEVE. DRIVE THE PVC HUB ADAPTER INTO THE RUBBER SLEEVE TO WHERE THE HORIZONTAL RED LINE (5) ON THE PVC HUB ADAPTER (3) MEETS THE TOP OF THE RUBBER SLEEVE (6)

7. PLACE THE STAILESS STEEL BAND ⑦ AROUND THE TOP OF THE RUBBER SLEEVE AND TIGHTEN DOWN. 8. INSTALL PIPE IN NORMAL MANNER.

Duckett Creek	Duckett Cre	ek Sar	nitary [District
	INSERTA TEE DETAILS AND	Dwn By: BSM	App By: KA	Detail No.
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- 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.
- 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	Duckett Cre	ek Sar	nitary [District
	TYPICAL CREEK CROSSING	BSM	· · · KA	Detail No.
Duckett Creek Sanitary District	TITICAL CREEK CROSSING	Ckd By: MDOB	Date: DEC. 2015	24

Date: 05-20-2024 Michael G. Boerding License No. MO E-28643 Professional Engineer

S SD

P+Z No. 21-004994 **City No.** 21-011444

Date: 05-20-2024 **Job No.** 20-09-327 Page No.

CLASS A CONCRETE

NOTES:

Duckett Creek

Duckett Creek Sanitary District

ENCASEMENT

TEE MUST BE "ROLLED IN". (EXAMPLE: 15" x 8")

BROKEN BELLS ARE ENCASED WITH A 6" CLASS "A" CONCRETE ENCASEMENT.

4. ID OF MAIN SEWER SHALL NOT BE DECREASED BY A ROLL—IN CONNECTION.

(FOR EXISTING CLAY

OR CONCRETE PIPE)

"FINAL PLAN" Approval Date: Dec. 16, 2021