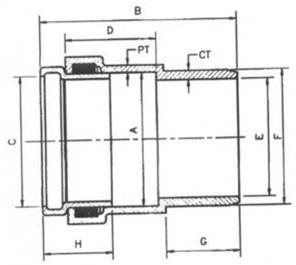
SDR-35 x C900 BELL x SPIGOT ADAPERS

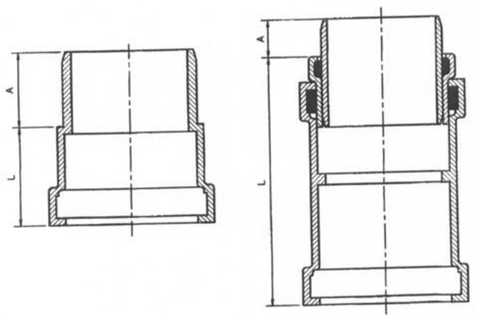


SIZE	CATALOG NO.	A	B	C	D	E	F	G	H	CT	PT
4"	334-040	4.56	8.23	4.25	4.10	3.94	4.80	2.72	2.7	.32	.25
6"	334-060	6.68	9.93	6.31	4.57	5.88	6.90	3.72	3.5	.45	.36

DUCKETT CREEK SANITARY DISTRICT

	Dwn By: BSM	App By: KLA	Detail No.
SDR-35 x C900 BELL AND SPIGOT ADAPTERS	Chd By: MDOB	Date: 1-3-01	19A

SDR-35 x C900 BELL x SPIGOT ADAPERS



HARCO STYLE

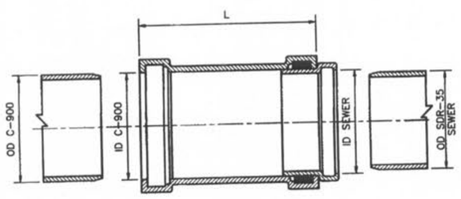
FABRICATED STYLE

SIZE	CATALOG NO.	A	L	STYLE
4"	335-040	3.2	10.0	FABRICATED
6"	335-060	2.9	3.5	HARCO
8"	335-080	4.0	12.5	FABRICATED

DUCKETT CREEK SANITARY DISTRICT

	Dwn By: BSM	App By: KLA	Detail No.
SDR-35 x C900 BELL AND SPIGOT SPECIAL 4",6" & 8" ADAPTERS	Chd By: MDOB	Date: 1-3-01	19B

SDR-35 x C900 BELL x BELL ADAPERS

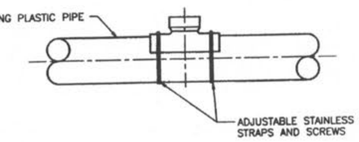


SIZE	CATALOG NO.	OD C900	OD SEWER	ID C900	ID SEWER	L	CTN QTY	CTN WT
4x4	337-040	4.80	4.215	4.86	4.25	10.0	1	4
6x6	337-060	6.90	6.275	6.96	6.32	11.13	1	8
8x8	337-080	9.05	8.400	9.13	8.45	12.50	1	15

DUCKETT CREEK SANITARY DISTRICT

	Dwn By: BSM	App By: KLA	Detail No.
SDR-35 x C900 BELL AND BELL 4",6" & 8" ADAPTERS	Chd By: MDOB	Date: 1-3-01	19C

PLASTIC SADDLE TEE OR WYE FITTING (SOLVENT WELD)



WHEN CONNECTION TO A PLASTIC PIPE IS ALLOWED AND A CONNECTION IS LARGER THAN 6" IN DIAMETER. A SOLVENT WELD WYE OR TEE FITTING OF A SIMILAR MATERIAL MUST BE USED. (EXAMPLE: 10" x 8")

THIS IS ACCOMPLISHED BY CAREFULLY CUTTING A HOLE WITH A SAW IN THE MAIN AT THE REQUIRED LOCATION AFTER CUTTING AND SHAPING THE HOLE TO THE SIZE OF THE FITTING. THE FOLLOWING STEPS SHOULD BE TAKEN.

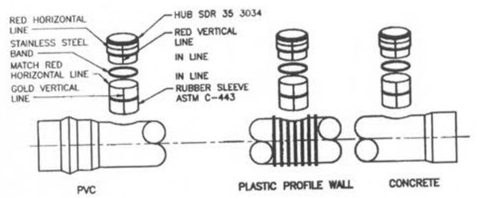
1. CLEAN AND DRY BOTH INSIDE THE SADDLE WYE SURFACE AND PIPE SURFACE TO BE SOLVENT CEMENTED.
2. IMPORTANT: APPLY A LIBERAL, HEAVY COAT OF ONE-STEP SOLVENT CEMENT TO THE INSIDE SURFACE OF THE SADDLE WYE AND TO THE EXTERIOR WELDING SURFACE TO THE PIPE.
3. WITHOUT DELAY, MATE THE SURFACES AND STRAP DOWN TIGHTLY. A BEAD OF SOLVENT SHOULD APPEAR AFTER THE SADDLE HAS BEEN STRAPPED DOWN TIGHTLY.
4. USING A RAG OR PAPER TOWEL, WIPE BEAD AND ANY EXCESS SOLVENT CEMENT OFF PIPE AND SADDLE.
5. ALLOW 30-60 MINUTES FOR SET-UP TIME BEFORE BACKFILLING. CURE TIME DEPENDS ON SIZE FIT OF MATERIALS BEING INSTALLED AND VARIOUS COLD DAMP CONDITIONS.
6. DISCARD OLD SOLVENT IF IT BECOME JELLED OR LUMPY.
7. A CLEAN, DRY BEDDING MATERIAL IS REQUIRED AROUND THE COMPLETED CONNECTION BEFORE BACKFILLING. THE BEDDING MATERIAL SHOULD BE ONE OF THE FOLLOWING.
   A. 1 TO 3 CEMENT TO SAND MIX
   B. "PRE-MIX" CONCRETE.
   C. DCSD APPROVED BEDDING FOR SANITARY SEWERS.

DUCKETT CREEK SANITARY DISTRICT

	Dwn By: BSM	App By: KLA	Detail No.
8" & LARGER CONNECTION TO PLASTIC MAIN	Chd By: MDOB	Date: 1-4-01	20A

INSERTA TEE

THE USE OF AN INSERTA TEE REQUIRES DISTRICT APPROVAL.



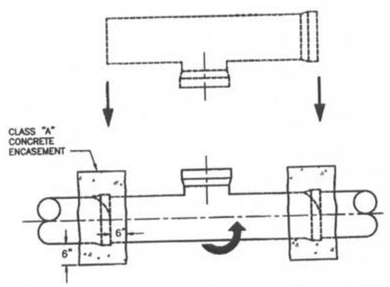
INSTALLATION PROCEDURE:

	TEE SIZE:	4"	6"	8"	10"	12"	15"
1. CORE THE PROPER SIZE HOLE.	BIT SIZE:	4½"	6¾"	8⅝"	10⅝"	12¾"	15⅝"

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. CAUTION – DO NOT USE AN OIL BASED LUBRICANT.
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 SANITARY DISTRICT

	Dwn By: BSM	App By: KLA	Detail No.
INSERTA TEE DETAILS AND SPECIFICATIONS	Chd By: MDOB	Date: 1-4-01	20B

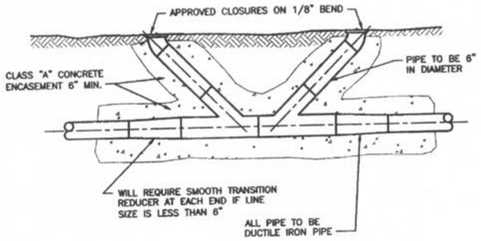


NOTES:

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 TEE MUST BE "ROLLED IN". (EXAMPLE: 15" x 8")
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 ADJOINING PIPE MAKE IT POSSIBLE FOR THE REPLACEMENT SECTION TO FIT INTO THE SEWER LINE WITHOUT DISTURBING THE ADJOINING PIPE SECTIONS. THE REPLACEMENT SECTION IS THEN ROTATED TO THE DESIRED POSITION AND THE 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.

DUCKETT CREEK SANITARY DISTRICT

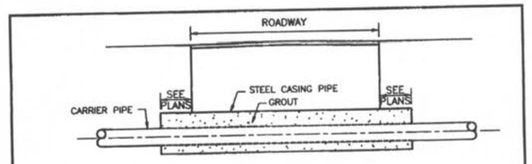
	Dwn By: BSM	App By: KLA	Detail No.
"ROLL-IN" (FOR EXISTING CLAY OR CONCRETE PIPE)	Chd By: MDOB	Date: 1-5-01	21



1800' MAXIMUM SPACING

DUCKETT CREEK SANITARY DISTRICT

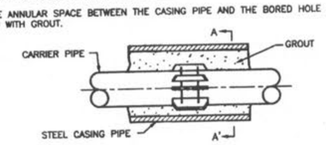
	Dwn By: BSM	App By: KLA	Detail No.
FORCE MAIN CLEANOUT (6" DIA. & SMALLER)	Chd By: MDOB	Date: 1-5-01	22



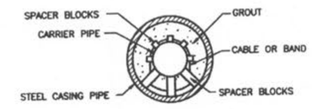
BORING DETAIL

NOTES:

1. INSIDE DIAMETER OF CASING PIPE TO BE MINIMUM OF 4" GREATER THAN COUPLING DIAMETER OF CARRIER PIPE.
2. ENCASEMNTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING IT THROUGH, OR BY DRY BORING A HOLE THAT WILL RECEIVE THE CASSING WITH A SNUG FIT.
3. THE OUTSIDE DIAMETER OF THE CASING SHALL NOT BE LESS THAN, NOR MORE THAN ONE INCH GREATER THAN THE BORED HOLE.
4. THE ANNULAR SPACE BETWEEN THE CASING PIPE AND THE BORED HOLE SHALL BE FILLED WITH GROUT.



SUPPORT OF CARRIER PIPE OR FORCE MAIN IN CASING



SECTION A-A'

DUCKETT CREEK SANITARY DISTRICT

	Dwn By: BSM	App By: KLA	Detail No.
ROADWAY BORING DETAIL	Chd By: MDOB	Date: 1-5-01	23

REVISIONS			
DESC:	CITY OF O'FALLON/PWD #2 COMMENTS	CITY OF O'FALLON/PWD #2 COMMENTS	CITY OF O'FALLON COMMENTS	CITY OF O'FALLON/PWD #2 COMMENTS
DATE	02/13/2008	04/11/2008	04/11/2008	04/17/2008
	A	A	A	A

DEVELOPER/OWNER:
THE VILLAGE AT PARK PLACE, LLC.
1001 BOARDWALK SPRINGS PL
O'FALLON, MO 63366
PHONE: (636) 561-9323

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SEAL: MATTHEW S. KOESTERER, NUMBER PE-2004018863, PROFESSIONAL ENGINEER, STATE OF MISSOURI — 4/25/08

PLANNING AND DEVELOPMENT DEPARTMENT FILE #9831.57 (AREA PLAN-APPROVED MAY 24TH, ORDINANCE #5178) - 9831.57.01 (FINAL PLAN)

PARK AVENUE VILLAGE IMPROVEMENT PLANS

PHOENIX PARKWAY
O'FALLON, MO

SANITARY SEWER DETAILS

planning • engineering • surveying • landscape architecture
Cole and ASSOCIATES INCORPORATED
10777 sunset office drive
saint louis, missouri 63127
p: 314 984 9887 f: 314 984 0587

DESIGNED BY	CJB
DRAWN BY	KDK
CHECKED BY	JFH
DATE	11/6/07
Job Number	07-075
Sheet Number	C10.3

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DATE: Apr 25, 2008 - 11:08am
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