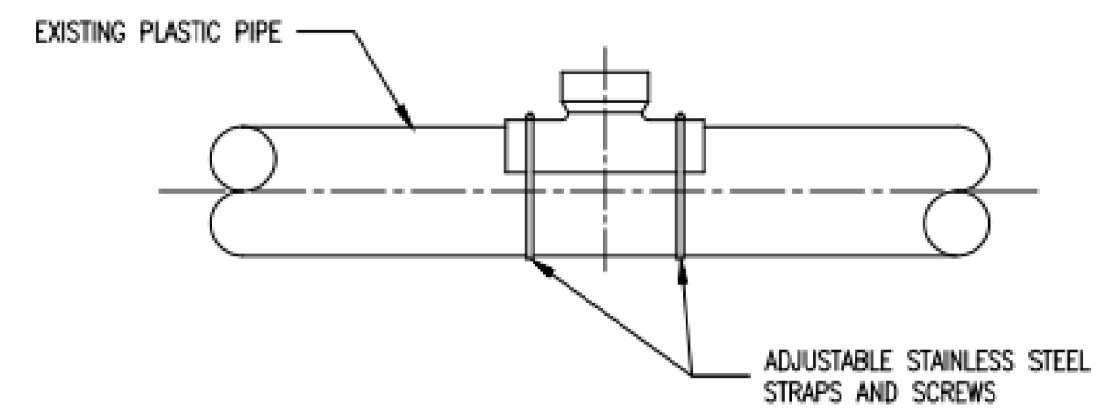


Duckett Creek Sanitary District

PIPE BEDDING CLASS "C" (FOR ALL EXCEPT REINFORCED CONCRETE PIPE)

Drawn By: BSM	App By: KA	Detail No. 3
Check By: MDOB	Date: JULY 2016	

PLASTIC SADDLE TEE OR WYE FITTING (SOLVENT WELD)

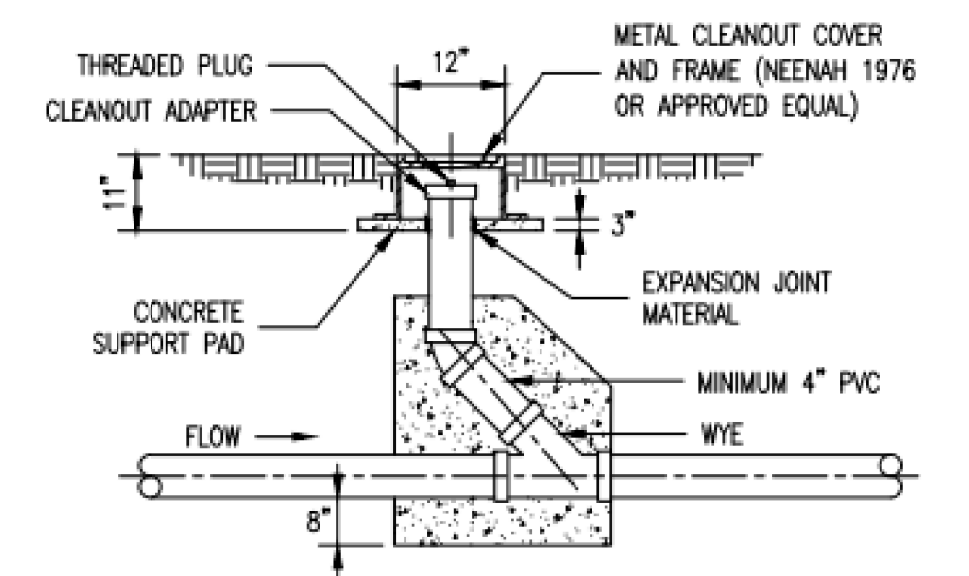


- WHEN CONNECTION TO A PLASTIC PIPE IS ALLOWED AND A CONNECTION IS LARGER THAN 6" IN DIAMETER, A SOLVENT WELD WYE OR TEE FITTING OF A SIMILAR MATERIAL MUST BE USED. (EXAMPLE: 10" x 8")
- THIS IS ACCOMPLISHED BY CAREFULLY CUTTING A HOLE WITH A SAW IN THE MAIN AT THE REQUIRED LOCATION AFTER CUTTING AND SHAPING THE HOLE TO THE SIZE OF THE FITTING. THE FOLLOWING STEPS SHOULD BE TAKEN:
- CLEAN AND DRY BOTH INSIDE THE SADDLE WYE SURFACE AND PIPE SURFACE TO BE SOLVENT CEMENTED.
 - 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.
 - WITHOUT DELAY, MATE THE SURFACES AND STRAP DOWN TIGHTLY. A BEAD OF SOLVENT SHOULD APPEAR AFTER THE SADDLE HAS BEEN STRAPPED DOWN TIGHTLY.
 - USING A RAG OR PAPER TOWEL, WIPE BEAD AND ANY EXCESS SOLVENT CEMENT OFF PIPE AND SADDLE.
 - 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.
 - DISCARD OLD SOLVENT IF IT BECOMES JELLED OR LUMPY.
 - A CLEAN, DRY BEDDING MATERIAL IS REQUIRED AROUND THE COMPLETED CONNECTION BEFORE BACKFILLING. THE BEDDING MATERIAL SHOULD BE ONE OF THE FOLLOWING:
 - 1 TO 3 CEMENT TO SAND MIX
 - "PRE-MIX" CONCRETE
 - DCSD APPROVED BEDDING FOR SANITARY SEWERS.

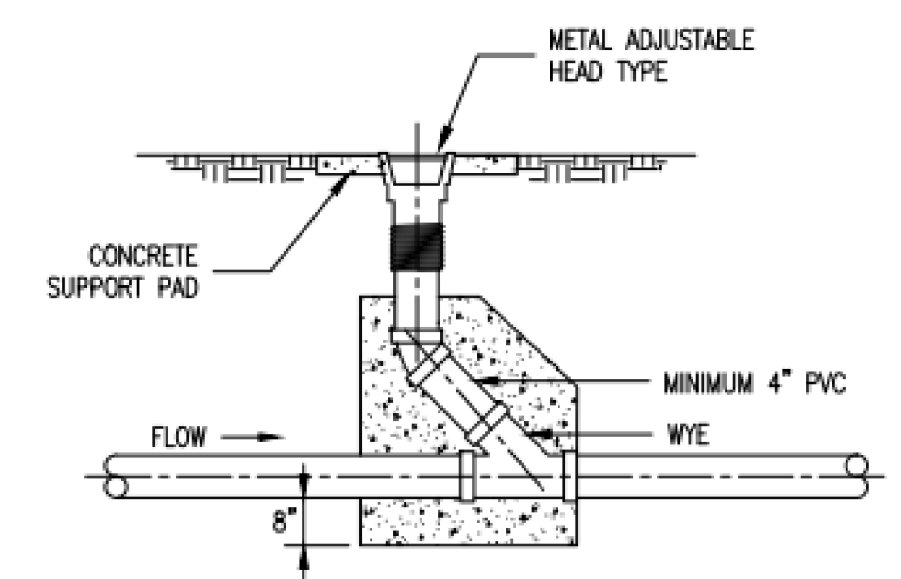
Duckett Creek Sanitary District

8" AND LARGER CONNECTION TO PLASTIC MAIN

Drawn By: BSM	App By: KA	Detail No. 20A
Check By: MDOB	Date: DEC. 2015	



METAL FRAME AND COVER TYPE CLEANOUT



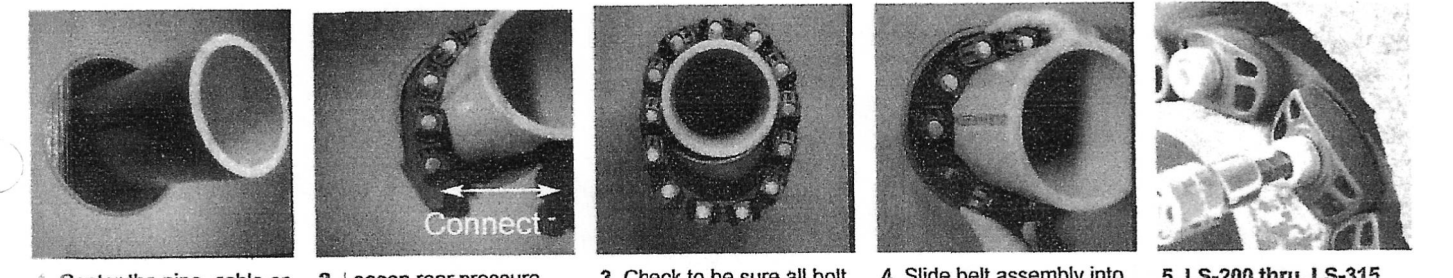
ADJUSTABLE HEAD TYPE CLEANOUT

Duckett Creek Sanitary District

TYPICAL SEWER LATERAL CLEANOUT DETAIL

Drawn By: BSM	App By: KLA	Detail No. 25
Check By: MDOB	Date: DEC. 2015	

Installation Techniques - Link-Seal® Modular Seals



- Center the pipe, cable or conduit in wall opening or casing. Make sure the pipe will be adequately supported on both ends. Link-Seal® modular seals are not intended to support the weight of the pipe.
- Loosen rear pressure plate with nut just enough so links move freely. Connect both ends of seal around the pipe.
- Check to be sure all bolt heads are facing the installer. Extra slack or sag is normal. Do not remove links if extra slack exists. Note: On smaller diameter pipe, links may need to be stretched.
- Slide belt assembly into annular space. For larger size bolts, start inserting Link-Seal modular seal assembly at the 6 O'Clock position and work both sides up toward the 12 O'Clock position in the annular space.
- Use LS-200 thru LS-315 using a hand socket allen head or offset wrench ONLY, start at 12 O'Clock. Do not tighten any bolt more than 4 turns at a time. Continue in a clockwise manner until links have been uniformly compressed. (Approx. 2 or 3 rotations)

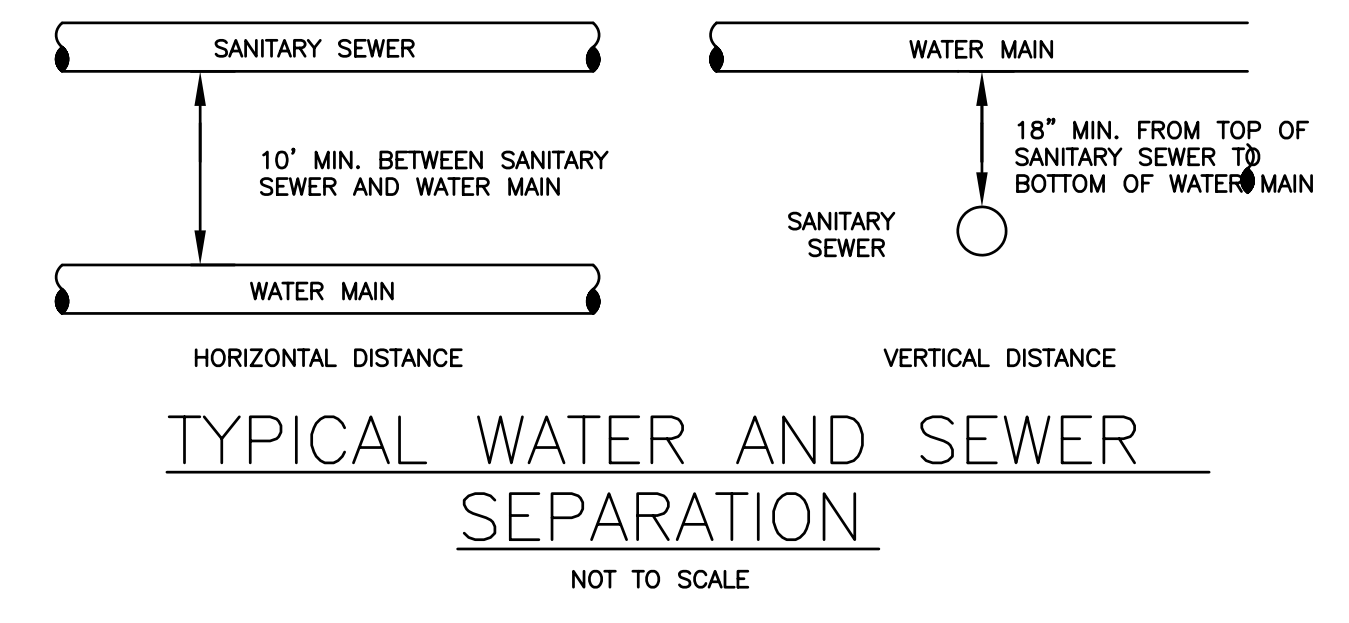
Link-Seal® Model	Tool Size/Type Req.
LS-200, LS-275	4mm, Allen
LS-300, LS-315	6mm, Allen
LS-325, LS-340, LS-360	13mm, Hex
LS-400, LS-410, LS-425, LS-475	17mm, Hex
LS-500, LS-525, LS-575	19mm, Hex
LS-600	30mm, Hex
LS-650	19mm, Hex

Installation Notes: The Link-Seal® modular seal bolt heads are usually recessed below the wall opening or the edge of casing pipe and therefore a socket or offset wrench must be used. Hand Tools: Review provided chart above. (Tools not provided.) Tools can be purchased from hardware stores, auto parts store, or home improvement store.

Always Wear Safety Equipment When Using Link-Seal® Modular Seals!

- | | |
|---|--|
| <p>Link-Seal® Modular Seal - Do's</p> <ol style="list-style-type: none"> 1. Make sure pipe is centered. 2. Install the belt with the pressure plates evenly spaced. 3. Install the exact number of links indicated in sizing charts. 4. Check to make sure pipe is supported properly during backfill operations. Note: Link-Seal modular seals are not intended to support the weight of the pipe. 5. Make sure seal assembly and pipe surfaces are free from dirt. 6. For tight fits, use non-polluting liquid detergent to assist installation. | <p>Link-Seal® Modular Seal - Don'ts</p> <ol style="list-style-type: none"> 1. Don't install the belt with the pressure plates aimed in irregular directions. (Staggered) 2. Don't install Link-Seal® modular seals where weld-beds or other irregular surfaces exist without consideration of the sealing requirements. 3. Don't torque each bolt completely before moving on to the next. 4. Don't use high speed power tools (450 rpm or more) 5. Do not use power tools on Link-Seal modular seal 316 stainless steel bolts. 6. Don't use grease installing Link-Seal modular seals. |
|---|--|

If the seal doesn't appear to be correct using the techniques provided, call PSI at 713-747-6943 or 800-423-2410.



Ductile Iron Pipe installation shall follow the Ductile Iron Research Association (DIPRA) guide line.

The Installation of PVC Pipe shall follow the Uni-Bell PVC Pipe Association Handbook of PVC Design and Construction.

USER: Alison Gauth TAB: C6.2
 DATE: June 14, 2021 - 4:19:20 PM
 DRAWING: S:\JOB\2021\21-0036-000A\000A\CADD\C-Plan\Sanitary\DETAILS\21-0036.dwg

NO	REVISION DESCRIPTION	DATE

DEVELOPER/OWNER:
BARRON SWIM SCHOOL
 1158 LINDBERGH BUSINESS CT.
 ST. LOUIS, MO 63123

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON HAS PREPARED THIS DRAWING AND IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON HAS REVIEWED THIS DRAWING AND IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON HAS REVIEWED THIS DRAWING AND IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS.

CIVIL ENGINEERS
 CORPORATE
 CERTIFICATE
 #00185

ALISON MARIE GAUCH
 NUMBER
 2010028831
 EXPIRES
 06/14/2021

BARRON SWIM SCHOOL
 CALEDONIA CENTER, LOT 9A
 O'FALLON, MO 63388

UTILITY DETAILS

+ ST. CHARLES
 1520 S. Fifth Street
 Suite 307
 St. Charles, MO 63303
 636.979.4444 (per
 contract)

COLE
 CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE
 Cole & Associates, Inc. is an Equal Opportunity Employer. Minorities & Women are encouraged to apply.

DESIGN/CALC BY: CAW

DRAWN BY: CAW

CHECKED BY: AMG

DRAWING SCALE: AS SHOWN

DATE: 06/14/21

Job Number: 21-0036-000A

Sheet Number: C6.2