ISSUE	REMARKS/DATE
1	INITIAL SUBMITTAL
2	20201001 Rev per City/Duckett/PWSD#2
3	20201020 Rev per City Comments
4	20201102 Rev Per DCSD Comments
5	20201106 Rev Per City Comments

SANITITE® HP TRENCH INSTALLATION DETAIL

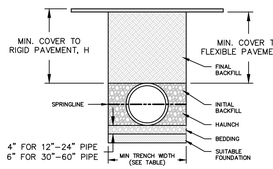


TABLE 1; RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
12" (300mm)	28" (760mm)
15" (375mm)	32" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	47" (1216mm)
30" (750mm)	55" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
60" (1500mm)	96" (2438mm)

TABLE 2; MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H–25	HEAVY CONSTRUCTION* (75T AXLE LAOD) *
12" – 48" (300mm – 1200mm)	12" (305mm)	48" (1219mm)
60" (1500mm)	24" (610mm)	60" (1524mm)

* LIVE LOAD ACCESS OR HEAVY EQUIPMENT REQUIRE ADDITIONAL COVER

TABLE 3, MAXIMUM COVER FOR ADS SANITITE HP PIPE, ft (m)

PIPE DIAM.	CLASS I COMPACTED 95%	CLASS II 95%	CLASS II 90%
12" (300mm)	40 (12.2m)	28 (8.5m)	20 (6.1m)
15" (375mm)	41 (12.5m)	29 (8.8m)	20 (6.1m)
18" (450mm)	43 (13.1m)	29 (8.8m)	21 (6.4m)
24" (600mm)	46 (14.0m)	25 (7.6m)	16 (4.9m)
30" (750mm)	49 (14.9m)	24 (7.3m)	15 (4.6m)
36" (900mm)	52 (15.8m)	21 (6.4m)	15 (4.6m)
42" (1050mm)	52 (15.8m)	22 (6.7m)	16 (4.9m)
48" (1200mm)	52 (15.8m)	22 (6.7m)	16 (4.9m)
60" (1500mm)	52 (15.8m)	22 (6.7m)	16 (4.9m)

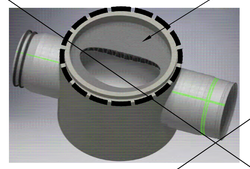
FILL MATERIAL ASSUMPTIONS: SOIL PROPERTIES BASED ON ASTM D2321 LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE, UNIT WEIGHT OF SOIL (γ_s) = 120 PCF

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12"-24" DIAMETER PIPE (300mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm) DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED.
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING TO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS: CLASS I OR II MATERIAL COMPACTED TO 90% SPD IS REQUIRED. MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) DIAMETER PIPE AND 24" (600mm) OF COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

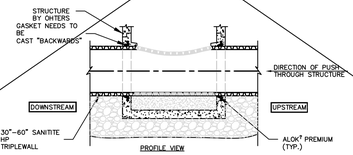
STD–101F

ALTERNATE PRECAST MANHOLE CONNECTION WITH SANITITE HP PIPE



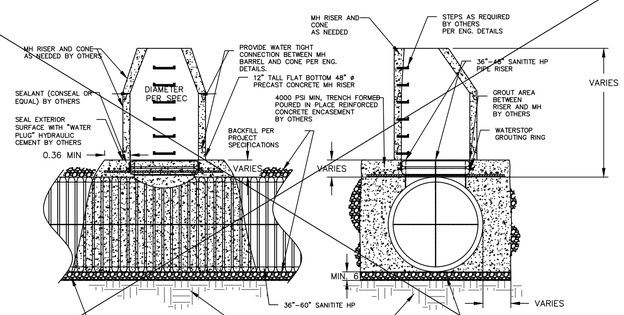
NOTES:

1. AFTER PIPE IS INSERTED THROUGH MANHOLE, POUR CONCRETE AROUND PIPE IN MANHOLE.
2. CUT SECTION FROM TOP OF PIPE AND REMOVE IN FIELD FOR PIPE ACCESS.
3. FILL ALL OPEN CORRUGATION VOIDS WITH NON-SHRINK GROUT, ENSURING GROUT FILLS THE VOID SPACE ALL THE WAY AROUND CIRCUMFERENCE.
4. STRUCTURE DIAMETER & WALL THICKNESS BY ENGINEER.
5. REFER TO ALOK® RECOMMENDATION FOR PROPER GASKET & MANDREL SIZING.
6. PIPE TO BE INSERTED INTO STRUCTURE ABOVE GRADE AND LOWERED IN THE TRENCH AS ONE UNIT.



STD–205G

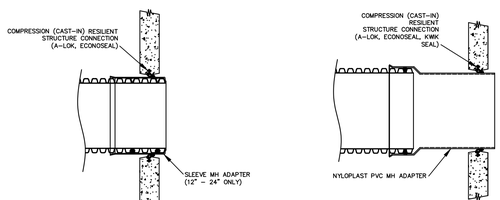
ACCESS MH DETAIL WITH SANITITE® HP PIPE



NOTES:

1. REFERENCES TO "DESIGN ENGINEER" OR "ENG DETAILS" REFER TO THE ENGINEER OF RECORD AND PROJECT PLANS FOR THE SPECIFIC SANITARY SEWER PROJECT.
2. STEEL REINFORCING AND CONCRETE ENCASEMENT SHALL BE DESIGNED BY OHTERS (ENGINEER OF RECORD, CONTRACT ENGINEER, ETC.) FOR THE SPECIFIC PROJECT AND SITE CONDITIONS
3. SANITITE HP PIPE RISER (36", 42", OR 48") WILL BE SHIPPED 12' TALL.

COMPRESSION (CAST–IN) RESILIENT STRUCTURE CONNECTION 12"– 30" DUAL WALL SANITITE HP W/ SLEEVE OR NYLOPLAST PVC MH ADAPTER



PIPE SIZE	SANITITE HP SLEEVE MANHOLE ADAPTER: ADS PRODUCT CODES	A–LOK® PREMIUM*	PRESS SEAL® SYSTEMS: ECONOSEAL
12" (300mm)	1222AAPP	490	1250
15 (375mm)	1522AAPP	580	18300.48500
18" (450mm)	1822AAPP	710	22000.48500
24" (600mm)	2422AAPP	915	29000.48500
30" (750mm)	3057AGHPU	1040	32000.48500

PIPE SIZE	NYLOPLAST PVC MANHOLE ADAPTER: NYLOPLAST PRODUCT CODES	A–LOK® *	PRESS SEAL® SYSTEMS: ECONOSEAL	KWIK SEAL
12" (300mm)	1257AGHPU2	410	1250	KS750
15 (375mm)	1557AGHPU2	490	1530	KS750
18" (450mm)	1857AGHPU2	610	18701.48500	KS800
24" (600mm)	2457AGHPU2	800	24803.48500	KS800
30" (600mm)	3057AGHPU	1040	32000.48500	N/A

* THIRD PARTY – CODES AS SUPPLIED BY MANUFACTURER
A–LOK is a registered trademark of A–LOK Products, Inc. (www.a–lok.com)

NOTES:

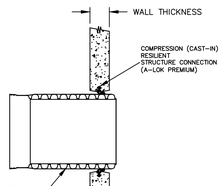
PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

SEE STANDARD DETAIL STD–201 AND TECHNICAL NOTE: 5.04 CONNECTIONS TO MANHOLES AND STRUCTURES FOR INSTALLATION RECOMMENDATIONS.

NYLOPLAST PVC ADAPTER OD EQUIVALENT TO SDR 35

STD–205A

COMPRESSION (CAST–IN) RESILIENT STRUCTURE CONNECTION 30"–60" TRIPLE WALL SANITITE² HP



PIPE SIZE	A–LOK® PREMIUM** CONNECTOR **	*** MIN. MH DIAMETER
30" (750mm)	1130	60
36" (900mm)	1330	60*
42" (1050mm)	1510	72
48" (1200mm)	1707	72
60" (1500mm)	2080	96

*In order for 36" Sanitite HP to work in a 60" manhole, the wall thickness will need to be 8"
* THIRD PARTY – CODES AS SUPPLIED BY MANUFACTURER
A–LOK is a registered trademark of A–LOK Products, Inc. (www.a–lok.com)
**Angledeflection for 145–200 degree angles. For any other angle contact an ADS representative
***The minimum product codes are applicable to either round or flatwall structures

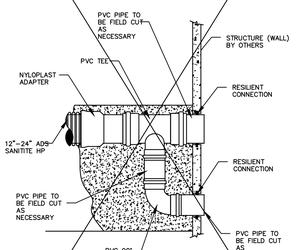
NOTES:

PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE CONNECTOR IS UNIFORMLY SEATED AROUND PIPE. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

SEE STANDARD DETAIL STD–201 AND TECHNICAL NOTE: 5.04 CONNECTIONS TO MANHOLES AND STRUCTURES FOR INSTALLATION RECOMMENDATIONS.

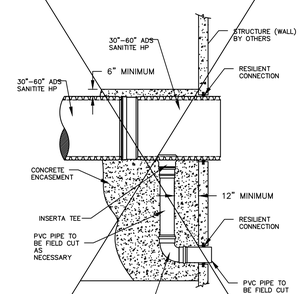
STD–205B

12" - 24" SANITITE® HP OUTSIDE DROP MANHOLE

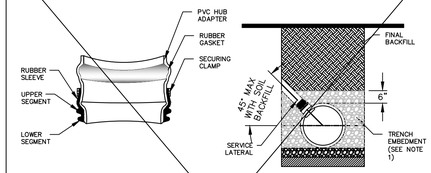


STD–208

30" - 60" SANITITE® HP OUTSIDE DROP MANHOLE



INSERTA TEE® INSTALLATION



NOTES:

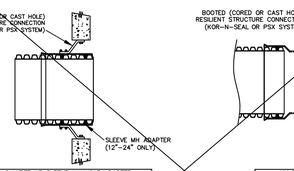
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION. REFERENCE ADS STD. DETAIL STD-101 FOR TRENCH CONSTRUCTION RECOMMENDATIONS.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. THE INSERTA TEE CONNECTION SHOULD NOT BE PLACED AT AN ANGLE EXCEEDING 45° FROM THE SPRINGLINE. GREATER ANGLES ARE SUBJECT TO DESIGN ENGINEER APPROVAL AND MAY REQUIRE ALTERNATE BACKFILL.
4. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
5. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
6. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS. MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

8. CONTACT INSERTA TEE FOR PART ASSEMBLY AND INSTALLATION INTO MAINLINE PIPE, INCLUDING SIZING CONFIGURATIONS AND WHOLE SAW SIZING REQUIREMENTS.

STD–209

BOOTED (CORED OR CAST HOLE) RESILIENT STRUCTURE CONNECTION 12"– 30" DUAL WALL SANITITE² HP W/ SLEEVE OR NYLOPLAST PVC MH ADAPTER



PIPE SIZE	SANITITE HP SLEEVE MANHOLE ADAPTER: ADS ADAPTER PRODUCT CODES	PRESS SEAL² SYSTEMS: PSX: DIRECT DRIVE *	TRELLEBORG: KOR–N–SEAL* SERIES I OR II	TRELLEBORG: KOR–N–SEAL* SERIES 306
12" (300mm)	1222AAPP	18Y OR 20Y	S106–206W 5	N/A
15" (375mm)	1522AAPP	22M	S206–22	S306–22
18" (450mm)	1822AAPP	26L	S206–26	S306–26
24" (600mm)	2422AAPP	32L	S206–32	S306–32

PIPE SIZE	NYLOPLAST PVC MANHOLE ADAPTER: NYLOPLAST PRODUCT CODES	PRESS SEAL² SYSTEMS *: PSX: DIRECT DRIVE *	TRELLEBORG: KOR–N–SEAL* SERIES I OR II	TRELLEBORG: KOR–N–SEAL* SERIES 306
12" (300mm)	1257AGHPU2	16M	S106–16AW	N/A
15" (375mm)	1557AGHPU2	18M OR 20Y	S106–20BW 5	N/A
18" (450mm)	1857AGHPU2	22M	S206–22	S306–22L
24" (600mm)	2457AGHPU2	28A	S206–28	S306–28A
30" (600mm)	3057AGHPU	32A	S206–36	S306–36A

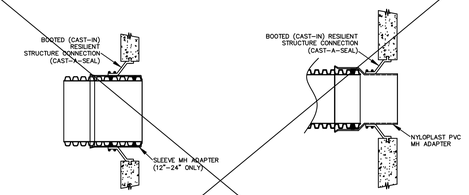
* THIRD PARTY – CODES AS SUPPLIED BY MANUFACTURER
KOR–N–SEAL is a registered trademark of NPC, Inc. (www.npc-pipe.com)
PSX Systems are a product of PRESS–SEAL GASKET CORPORATION. (www.press–seal.com)

NOTES:

- PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.
- SEE STANDARD DETAIL STD–201 AND TECHNICAL NOTE: 5.04 CONNECTIONS TO MANHOLES AND STRUCTURES FOR INSTALLATION RECOMMENDATIONS.
- NYLOPLAST PVC ADAPTOR OD EQUIVALENT TO SDR 35.

STD–205D

BOOTED (CAST– IN) RESILIENT STRUCTURE CONNECTION 12"– 30" DUAL WALL SANITITE² HP W/ SLEEVE OR NYLOPLAST PVC MH ADAPTER



PIPE SIZE	SANITITE HP SLEEVE MANHOLE ADAPTER: ADS ADAPTER PRODUCT CODES	PRESS SEAL² SYSTEMS * CAST–A–SEA
12" (300mm)	1222AAPP	CAS 603 OR 802
15" (375mm)	1522AAPP	CAS 603 OR 802
18" (450mm)	1822AAPP	CAS 603 OR 802
24" (600mm)	2422AAPP	CAS 802
30" (750mm)	3057AGHPU	CAS 802

PIPE SIZE	NYLOPLAST PVC MANHOLE ADAPTER: NYLOPLAST PRODUCT CODES	PRESS SEAL² SYSTEMS *: CAST–A–SEAL
12" (300mm)	1257AGHPU2	CAS 603 OR 802
15" (375mm)	1557AGHPU2	CAS603 OR 802
18" (450mm)	1857AGHPU2	CAS 603 OR 802
24" (600mm)	2457AGHPU2	CAS 802
30" (750mm)	3057AGHPU	CAS 802

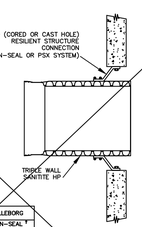
* THIRD PARTY – CODES AS SUPPLIED BY MANUFACTURER
KOR–N–SEAL is a registered trademark of NPC, Inc. (www.npc-pipe.com)
PSX Systems are a product of PRESS–SEAL GASKET CORPORATION. (www.press–seal.com)

NOTES:

- PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.
- SEE STANDARD DETAIL STD–201 AND TECHNICAL NOTE: 5.04 CONNECTIONS TO MANHOLES AND STRUCTURES FOR INSTALLATION RECOMMENDATIONS.
- NYLOPLAST PVC ADAPTOR OD EQUIVALENT TO SDR 35

STD–205E

BOOTED (CORED OR CAST HOLE) RESILIENT STRUCTURE CONNECTION 30"–60" TRIPLE WALL SANITITE² HP



PIPE SIZE	PRESS SEAL² SYSTEMS *	TRELLEBORG: KOR–N–SEAL* SERIES 306 *
30" (750mm)	40L	S306–38L–40
36" (900mm)	46L	S306–44L–46
42" (1050mm)	CONTACT PRESS SEAL	CONTACT TRELLEBORG
48" (1200mm)		
60" (1500mm)		

* THIRD PARTY – CODES AS SUPPLIED BY MANUFACTURER
KOR–N–SEAL is a registered trademark of NPC, Inc. (www.npc-pipe.com)
PSX DIRECT DRIVE is registered trademarks of PRESS–SEAL GASKET CORPORATION. (www.press–seal.com)

NOTES:

PERFORMANCE HIGHLY DEPENDENT ON INSTALLATION. CONTRACTOR MUST ENSURE MANHOLE GASKET IS UNIFORMLY SEATED AROUND STRUCTURE ADAPTER. EXTRA PRECAUTIONS MUST BE TAKEN TO PREVENT DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE.

SEE STANDARD DETAIL STD–201 AND TECHNICAL NOTE: 5.04 CONNECTIONS TO MANHOLES AND STRUCTURES FOR INSTALLATION RECOMMENDATIONS.

STD–205F

POST INSTALLATION TESTING

DEFLECTION TESTING: WHEN TESTING FOR ALLOWABLE DEFLECTION LIMITS, THE MINIMUM SPECIFIED INSIDE DIAMETER SHOULD BE USED WHEN ESTABLISHING MANDREL SIZING. TABLE 1 LISTS THE INSIDE DIAMETERS THAT RESULT FROM 5% DEFLECTION BASED UPON THE MINIMUM INSIDE DIAMETER. MANDRELS MAY BE OBTAINED FROM A VARIETY OF COMMERCIAL SUPPLIERS.

LEAKAGE TESTING: SANITITE HP MAY BE TESTED IN ACCORDANCE W/ASTM F1417 "STANDARD TEST METHOD FOR INSTALLATION ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR." TABLE 2 BELOW SUMMARIZES THE MINIMUM TIME THAT MUST BE REACHED FOR LESS THAN 0.5- OR 1- PSI OF PRESSURE DROP, DEPENDING ON THE DIAMETER AND LENGTH OF PIPE BEING TESTED. IN ACCORDANCE WITH ASTM F1417, WHEN THE PIPE IS LARGE ENOUGH TO BE PHYSICALLY ACCESSED, IT MAY BE DESIRABLE TO TEST INDIVIDUAL JOINTS FOR SAFETY REASONS. IN THESE CASES, CONSIDER JOINT TESTING IN ACCORDANCE WITH ASTM F3058.

TABLE 1
SANITITE® HP RECOMMENDED MANDREL SETTINGS

PIPE TYPE	PIPE DIAMETER	INSIDE DIAMETER WITH 5% DEFLECTION[1]
DUAL WALL	12	11.31
	15	14.11
	18	17.03
	21	19.71
	24	22.71
	30	28.30
	30	28.14
	36	33.63
	42	39.24
	48	44.94
	60	56.34
TRIPLE WALL		

NOTES:

1. BASED UPON MINIMUM INSIDE DIAMETER PER ASTM F2736 & F2764.

TABLE 2
TIME FOR PRESSURE DROP FOR SANITITE HP (PER ASTM F1417)[1]

PIPE DIAMETER	PRESSURE DROP (PSI)	MINIMUM TEST TIME (MIN:SEC)	LENGTH FOR MINIMUM TIME, (FT)	TIME FOR LONGER LENGTHS, (SEC)	TIME FOR LENGTH SHOWN, (MIN:SEC) 100 FT	150 FT	200 FT	250 FT	300 FT	350 FT	400 FT	450 FT
12	0.5	5:40	199	1.799	5:40	5:40	5:42	7:08	8:33	9:58	11:24	12:50
	1.0	11:20		3.418	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38
15	0.5	7:05	159	2.671	7:05	7:05	8:54	11:08	13:21	15:35	17:48	20:02
	1.0	14:10		5.342	14:10	14:10	17:48	22:15	26:42	31:09	35:36	40:04
18	0.5	8:30	133	3.846	8:30	8:37	12:49	16:01	19:14	22:26	25:38	28:51
	1.0	17:00		7.692	17:00	18:13	25:38	32:03	38:27	44:52	51:16	57:41
21	0.5	9:55	114	5.235	9:55	13:36	17:27	21:49	26:11	30:32	34:54	39:16
	1.0	19:50		10.470	19:50	26:10	34:54	43:37	52:21	61:00	69:48	78:31
24	0.5	11:20	99	6.837	11:24	17:57	22:48	28:30	34:11	39:53	45:35	51:17
	1.0	22:40		13.764	22:47	34:11	45:35	56:58	68:22	79:46	91:10	102:33
30	0.5	14:10	80	10.683	17:48	26:43	35:37	44:31	53:25	62:19	71:13	80:07
	1.0	28:20		21.366	35:37	53:25	71:13	89:02	106:50	124:38	142:26	160:15

NOTES:

1. DATA TAKEN FROM ASTM F1417 AND UNI–BELL, UNI–B–6–98.

SANITITE HP STANDARD DETAILS

SHEET 1 OF 1

PROJECT TITLE

AMBERLEIGH
O'FALLON, MISSOURI

Drawn: ALI | Date: 05/01/20
Revision: 4 | Dwg No: STD–1300

THE STERLING CO.
ENGINEERS & SURVEYORS
5055 New Baumgartner Road
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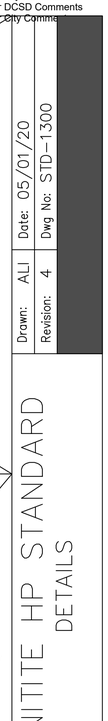

Date: 5-18-2021
Jason D Howell
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STORM SEWER DETAILS

P+Z No. 20-000028
City No. 20-003192
Date: May 18, 2021
Job No. 14-04-136

Page No.
8.9
IMP

"FINAL PLAN" Approval Date: March 27, 2020