



TABLE 1: DIMENSIONS OF HP PIPE PRODUCTS AND CASING PIPE

	NOMINAL INSIDE DIAMETER	MAX OUTSIDE DIAMETER	*NOMINAL CASING SIZE
DUAL WALL	12" (300mm)	14.6" (371mm)	22" (559mm)
	15" (375mm)	17.8" (452mm)	24" (610mm)
	18" (450mm)	21.4" (544mm)	28" (711mm)
	21" (525mm)	24.9" (632mm)	32" (813mm)
	24" (600mm)	28.2" (716mm)	34" (864mm)
	30" (750mm)	35.6" (904mm)	42" (1067mm)
TRIPLE WALL	30" (750mm)	35.7" (907mm)	42" (1067mm)
	36" (900mm)	41.4" (1052mm)	48" (1219mm)
	42" (1050mm)	47.5" (1207mm)	54" (1372mm)
	48" (1200mm)	53.9" (1369mm)	60" (1524mm)
	60" (1500mm)	66.6" (1692mm)	78" (1981mm)

\* BASED ON LARGEST MANUFACTURED CASING SPACER RECOMMENDATION. SPECIFIC MANUFACTURERS MAY ALLOW FOR SMALLER CASING PIPE THAN SHOWN IN THE CHART.

TABLE 2: MAXIMUM UNSUPPORTED DISTANCES

PIPE DIAM.	RECOMMENDED MAXIMUM UNSUPPORTED DISTANCE *
12" - 24" (300mm - 600mm)	48" (1200mm)
30" - 60" (750mm - 1500mm)	84" (2100mm)

\* VALUES BASED ON THE PIPE GRADE VARYING NO MORE THAN 0.25-IN FROM TRUE GRADE ASSUMING THE PIPE IS FULL FOR THE DURATION OF ITS SERVICE LIFE. (SEE NOTE 2)

TABLE 3: PUSH LENGTHS FOR HP PRODUCTS

NOMINAL INSIDE DIAMETER	PUSH LENGTH *
12" (300mm)	400 ft (121m)
15" (375mm)	400 ft (121m)
18" (450mm)	400 ft (121m)
21" (525mm)	400 ft (121m)
24" (600mm)	400 ft (121m)
30" (750mm)	400 ft (121m)
36" (900mm)	300 ft (91m)
42" (1050mm)	300 ft (91m)
48" (1200mm)	300 ft (91m)
60" (1500mm)	300 ft (91m)

\* PUSH LENGTH IS PROVIDED AS GENERAL DESIGN GUIDANCE. CONTACT ADS IF ANTICIPATED LENGTHS EXCEED THE GIVEN VALUES.

NOTES:

1. THE CASING SPACER MANUFACTURER SHOULD BE CONTACTED FOR EXACT SIZING AVAILABILITIES, BUT IN GENERAL, MOLDED PLASTIC SPACERS PROVIDE SHORTER RUNNER HEIGHTS COMPARED TO STAINLESS STEEL CONFIGURATIONS. SOME CASING SPACER MANUFACTURERS ARE: RACI, CASCADE WATERWORKS MANUFACTURING, PIPELINE SEAL & INSULATOR, INC, AND ADVANCE PRODUCTS & SYSTEMS, INC.
2. OTHER METHODS TO SUPPORT THE PIPE INVERT MAY BE USED, INCLUDING THE USE OF SKIDS IN BETWEEN MANUFACTURED CASING SPACERS OR FILLING THE VOID SPACE WITH SOIL OR GROUT MATERIAL, AT THE DISCRETION OF THE DESIGN ENGINEER.
3. TABLE 3 PROVIDES PUSH LENGTH VALUES FOR REFERENCE. HOWEVER SPECIFIC INSTALLATION CONDITIONS, INCLUDING THE CASING PIPE AND SPACER/BLOCKING MATERIALS, WILL IMPACT THE ALLOWABLE PUSH LENGTH. USING MANUFACTURED CASING SPACERS WILL HELP MINIMIZE THE RESISTANCE BETWEEN THE TWO SURFACES AND ALLOW FOR LONGER INSTALLATIONS.
4. REFER TO ADS TECHNICAL NOTE 5.18 FOR MORE INFORMATION REGARDING LINING OF CASINGS WITH SANITITE HP PIPE

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1	REV. DRAWING NAME OR NUMBER	TJR	01/28/16	
REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D

LINING OF CASINGS  
DETAIL (SANITITE HP)

DRAWING NUMBER: STD-110



4640 TRUEMAN BLVD  
HILLIARD, OHIO 43026

ADVANCED DRAINAGE SYSTEMS, INC.

DRAWN BY	RJS
DATE	10/12/15
CHECKED BY	
SCALE	NTS
SHEET	1 OF 1