

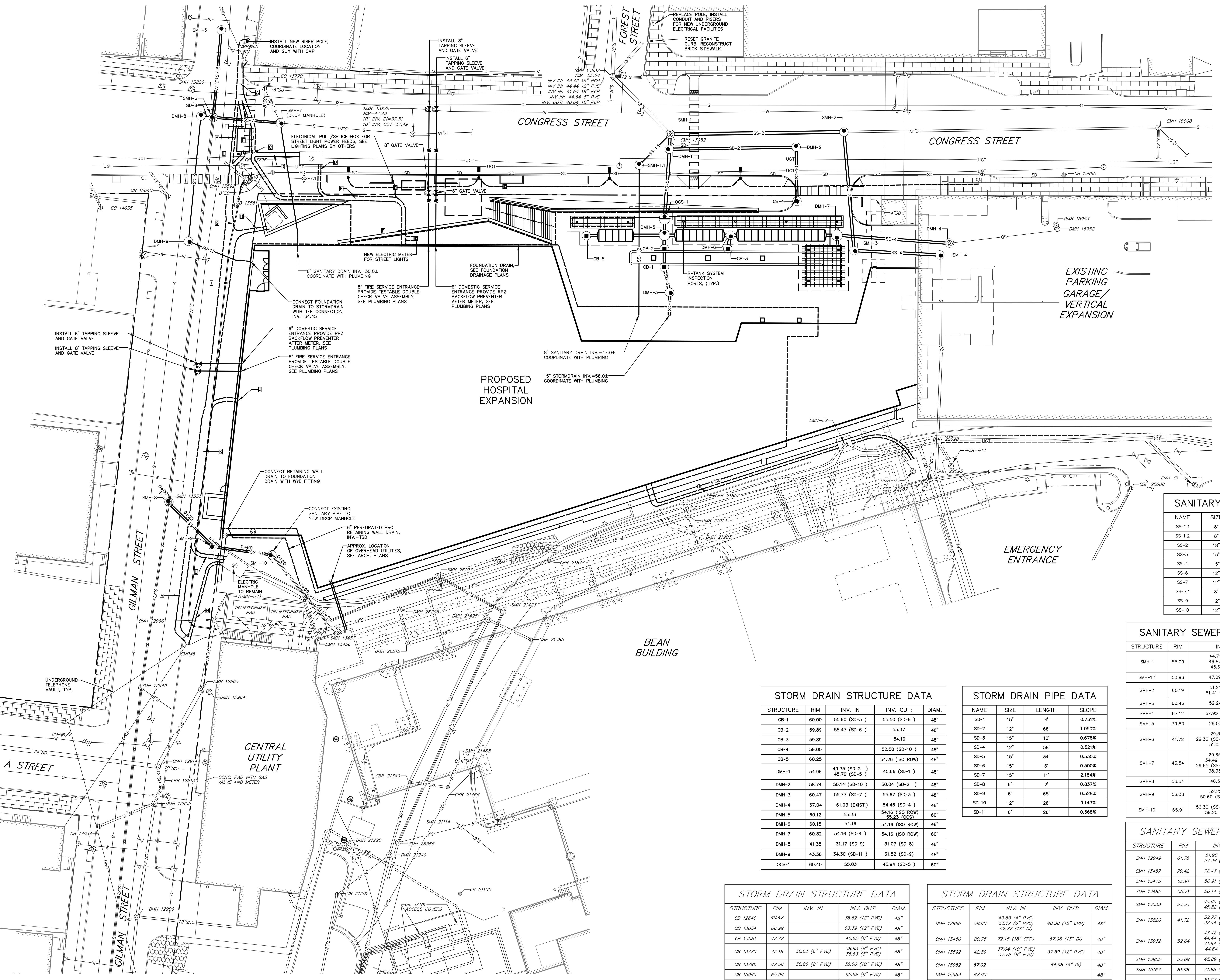
NO	CITY SUBMISSION	ISSUE	DATE
1	CITY SUBMISSION	9/25/2018	
Job Number	152189.000		
Drawn	MALAMAM		
Checked	DLR		
Approved	DLR		

**LEGEND**

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY LINE/R.O.W.	---
---	ADJUTER LINE/R.O.W.	---
---	BUILDING	---
---	EDGE PAVEMENT	---
---	PAVEMENT SAWCUT	---
---	EDGE CONCRETE	---
---	CURB LINE	---
---	CONTOURS	---
---	SPOT GRADE	---
---	RETAINING WALL	---
---	DECIDUOUS TREE	---
---	CONIFEROUS TREE	---
---	SIGN	---
---	GAS GATE VALVE	---
---	GAS METER	---
---	GAS MANHOLE	---
---	WATER	---
---	WATER GATE VALVE	---
---	WATER SHUT OFF	---
---	HYDRANT	---
---	WATER MANHOLE	---
---	SANITARY SEWER	---
---	SANITARY MANHOLE	---
---	STORM DRAIN	---
---	UNDER DRAIN	---
---	DRAINAGE MANHOLE	---
---	CATCH BASIN	---
---	OVERHEAD UTILITY	---
---	UNDERGROUND UTILITY	---
---	TRANSFORMER PAD	---
---	ELECTRICAL MANHOLE	---
---	TELEPHONE MANHOLE	---
---	LIGHT POLE	---
---	UTILITY POLE	---
---	GUY WIRE	---
---	RIPRAP	---
---	INLET PROTECTION	---
---	PAVEMENT RECONSTRUCTION	---

**DUCT BANK LEGEND**

<b>A</b>	DUCT BANK "A" (1) 3" CONDUIT (CMP) (2) 2" CONDUIT (CMP, CITY OF PORTLAND) STREET LIGHT GUY FEED
<b>B</b>	DUCT BANK "B" (1) 4" CONDUIT (SPECTRUM CATV)
<b>C</b>	DUCT BANK "C" (1) 2" CONDUIT (CMP) FOR STREET LIGHTING (2) 4" CONDUIT (MWC)
<b>D</b>	DUCT BANK "D" (1) 4" CONDUIT (FAIRPOINT)
<b>E</b>	DUCT BANK "E" (1) 2" CONDUIT (FAIRPOINT) (2) 2" CONDUIT (CMP, CITY OF PORTLAND) (4) 4" CONDUIT (MWC)
<b>F</b>	DUCT BANK "F" (1) 4" CONDUIT (FAIRPOINT) (2) 4" CONDUIT (MWC)
<b>G</b>	DUCT BANK "G" (1) 4" CONDUIT (SPECTRUM CATV) (3) 4" CONDUIT (CMP)
<b>H</b>	DUCT BANK "H" (1) 4" EXISTING CONDUIT (FAIRPOINT) TO POLE 7 EXTEND TO POLE 5 IN DUCT BANK I-H-M
<b>I</b>	DUCT BANK "I" (1) 4" CONDUIT (SPECTRUM CATV) (3) 5" CONDUIT (CMP)
<b>J</b>	DUCT BANK "J" (1) 4" CONDUIT (MWC) (2) 4" CONDUIT (FAIRPOINT) FROM CABINET TO POLE 5 (2) 4" CONDUIT (FAIRPOINT) FROM POLE 5 TO BUILDING (4) 4" CONDUIT (MWC)
<b>K</b>	DUCT BANK "K" (1) 4" CONDUIT (SPECTRUM CATV) (3) 5" CONDUIT (CMP) (4) 4" CONDUIT (MWC)
<b>L</b>	DUCT BANK "L" (1) 4" CONDUIT (FAIRPOINT) FROM CABINET TO POLE 5 (2) 4" CONDUIT (FAIRPOINT) FROM POLE 5 TO BUILDING (4) 4" CONDUIT (MWC)
<b>M</b>	DUCT BANK "M" (1) 4" CONDUIT (CMP)



**SANITARY SEWER PIPE DATA**

NAME	SIZE	LENGTH	SLOPE
SS-1.1	8"	20'	0.596%
SS-1.2	8"	81'	0.596%
SS-2	18"	82'	6.603%
SS-3	15"	62'	1.511%
SS-4	15"	43'	4.068%
SS-6	12"	44'	0.518%
SS-7	12"	33'	0.576%
SS-7.1	8"	60'	0.498%
SS-9	12"	31'	12.924%
SS-10	12"	29'	13.857%

**SANITARY SEWER STRUCTURE DATA**

STRUCTURE	RIM	INV. IN	INV. OUT	DIAM.
SMH-1	55.09	44.71 (SS-2) 45.63 (SD-1)	44.61 (SS-13952)	48"
SMH-1.1	53.96	47.09 (SS-1.2)	46.99 (SS-1.1)	48"
SMH-2	60.19	51.21 (SS-3) 51.41 (SS-16008)	50.77 (SS-2)	48"
SMH-3	60.46	52.24 (SS-4)	52.14 (SS-3)	48"
SMH-4	67.12	57.95 (SS-10665)	54.00 (SS-4)	48"
SMH-5	39.80	29.03 (SS-6)	29.03 (SS-6)	48"
SMH-6	41.72	29.36 (SS-13533 (CRCP)) 31.05 (SD-8)	29.26 (SS-6)	48"
SMH-7	43.54	29.45 (SS-7.1) 34.48 (SS-13876) 29.65 (SS-13875 (CRCP)) 38.33 (SD-7.1)	29.55 (SS-7)	48"
SMH-8	53.54	46.50 (SS-9)	44.38 (SS-9)	48"
SMH-9	56.38	50.62 (SS-10 (CRCP))	50.50 (SS-9)	48"
SMH-10	65.91	56.30 (SS-13457 (CRCP)) 59.20 (SS-13457)	56.20 (SS-10)	48"

**STORM DRAIN STRUCTURE DATA**

STRUCTURE	RIM	INV. IN	INV. OUT	DIAM.
CB-1	60.00	55.60 (SD-3)	55.50 (SD-4)	48"
CB-2	59.89	55.47 (SD-6)	55.37	48"
CB-3	59.89	55.47 (SD-6)	54.19	48"
CB-4	59.00		52.50 (SD-10)	48"
CB-5	60.25	49.35 (SD-2) 45.76 (SD-5)	54.26 (SD ROW)	48"
DMH-1	54.96	49.35 (SD-2) 45.76 (SD-5)	45.66 (SD-1)	48"
DMH-2	58.74	50.14 (SD-10)	50.04 (SD-2)	48"
DMH-3	60.47	55.77 (SD-7)	55.67 (SD-3)	48"
DMH-4	67.04	61.93 (EXIST.)	54.46 (SD-4)	48"
DMH-5	60.12	55.33	54.16 (SD ROW) 55.23 (SDS)	60"
DMH-6	60.15	54.16	54.16 (SD ROW)	60"
DMH-7	60.32	54.16 (SD-4)	54.16 (SD ROW)	60"
DMH-8	41.38	31.17 (SD-9)	31.07 (SD-8)	48"
DMH-9	43.38	34.30 (SD-11)	31.52 (SD-9)	48"
OCS-1	60.40	55.03	45.94 (SD-5)	60"

**STORM DRAIN PIPE DATA**

NAME	SIZE	LENGTH	SLOPE
SD-1	15"	4'	0.731%
SD-2	12"	66'	1.050%
SD-3	15"	10'	0.678%
SD-4	12"	58'	0.521%
SD-5	15"	34'	0.530%
SD-6	15"	6'	0.500%
SD-7	15"	11'	2.184%
SD-8	6"	2'	0.837%
SD-9	6"	65'	0.528%
SD-10	12"	28'	9.143%
SD-11	6"	28'	0.568%

**STORM DRAIN STRUCTURE DATA**

STRUCTURE	RIM	INV. IN	INV. OUT	DIAM.
CB 12640	40.47		38.52 (12" PVC)	48"
CB 13034	66.99		63.39 (12" PVC)	48"
CB 13581	42.72		40.62 (8" PVC)	48"
CB 13770	42.18	38.63 (6" PVC)	38.83 (8" PVC) 38.63 (8" PVC)	48"
CB 13794	42.56	38.86 (8" PVC)	39.66 (10" PVC)	48"
CB 15960	65.99		63.69 (8" PVC)	48"
CB 21201	108.29	102.69 (12" PVC)	102.64 (12" PVC)	48"
CB 26560	108.94		102.69 (12" PVC)	48"
CBR 21349	106.08	97.88 (12" CRCP) 98.41 (12" CRCP)	97.08 (15" CRP)	48"
CBR 21385	106.32		102.63 (12" CRP)	48"
CBR 21466	106.75	102.75 (6" PVC)	99.40 (12" PVC)	48"
CBR 21802	107.94		105.05 (8" CRP)	48"
CBR 21848	106.49	100.35 (15" CRP)	100.16 (18" CRP)	48"
CBR 22087	115.13	108.88 (15" CRP) 106.38 (18" RCP) 106.53 (8" PVC)	106.37 (18" CRP)	48"
CBR 25688	125.20		121.67 (12" CRP)	48"
DMH 12906	72.45	62.86 (12" PVC) 67.07 (12" PVC)	63.08 (12" RCP)	48"
DMH 12909	66.75	60.15 (12" RCP) 59.95 (12" PVC)	59.90 (12" PVC)	48"
DMH 12914	65.09	57.39 (12" PVC) 59.74 (10" CRP) 49.37 (24" CRP)	49.31 (24" CRP)	48"
DMH 12964	65.52			48"
DMH 12965	64.52	47.80 (18" CRP)	49.80 (24" CRP)	48"

**STORM DRAIN STRUCTURE DATA**

STRUCTURE	RIM	INV. IN	INV. OUT	DIAM.
DMH 12966	58.60	49.83 (4" PVC) 53.17 (12" PVC) 52.77 (18" DI)	49.38 (18" CRP)	48"
DMH 13456	80.75	72.15 (18" CRP)	67.96 (18" DI)	48"
DMH 13592	42.89	38.83 (8" PVC) 37.64 (10" PVC) 37.79 (8" PVC)	37.59 (12" PVC)	48"
DMH 15552	67.02		64.98 (4" DI)	48"
DMH 15953	67.00			48"
DMH 21220	108.04	104.44 (8" PVC) 102.76 (18" PVC) 84.86 (12" RCP)	86.99 (12" PVC)	48"
DMH 21240	107.93	101.68 (12" RCP) 101.68 (12" PVC)	101.58 (12" CRP)	48"
DMH 21425	106.58	101.88 (12" CRP) 95.92 (15" CRP)	95.90 (18" CRP)	48"
DMH 21468	106.93	103.99 (6" PVC)	103.94 (6" PVC)	48"
DMH 21903	110.18		107.30 (8" PVC)	48"
DMH 21913	110.33	107.30 (8" PVC) 102.76 (18" PVC) 102.25 (18" PVC) 101.85 (18" CRP)	101.84 (15" CRP)	48"
DMH 22098	115.18		105.99 (18" CRP)	48"
DMH 25531	130.05	110.05 (12" PVC)	108.44 (18" CRP)	48"
DMH 25556	128.73	102.87 (12" PVC) 121.03 (12" CRP)	110.11 (12" PVC)	48"
DMH 25575	128.66	121.31 (12" CRP)	121.21 (12" CRP)	48"
DMH 26205	89.94	83.77 (18" CRP) 84.24 (8" PVC)	83.76 (18" CRP)	48"
DMH 26212	97.74	87.14 (18" CRP)	87.09 (18" CRP)	48"

**SANITARY SEWER STRUCTURE DATA**

STRUCTURE	RIM	INV. IN	INV. OUT	DIAM.
SMH 12949	61.78	51.90 (6" PVC) 53.38 (12" PVC)	52.38 (12" PVC)	48"
SMH 13457	79.42	72.43 (12" PVC)	64.73 (12" PVC)	48"
SMH 13475	62.91	56.91 (12" PVC)	52.34 (12" PVC)	48"
SMH 13482	55.71	50.14 (12" PVC)	46.09 (12" PVC)	48"
SMH 13533	53.55	45.65 (12" PVC) 46.82 (12" PVC)	44.38 (12" RCP)	48"
SMH 13820	41.72	43.42 (15" RCP) 32.44 (12" RCP)	32.42 (12" RCP)	48"
SMH 13932	52.64	43.42 (15" RCP) 44.44 (12" PVC) 43.64 (18" RCP) 44.64 (8" PVC)	40.64 (18" RCP)	48"
SMH 13952	55.09	45.89 (12" PVC)	44.61 (18" RCP)	48"
SMH 15163	81.98	71.98 (12" PVC)	72.88 (12" PVC)	48"
SMH 16008	69.24	61.07 (10" PVC) 61.17 (10" PVC) 62.19 (12" PVC)	60.86 (12" PVC)	48"
SMH 16047	72.79	64.59 (8" PVC) 64.57 (8" PVC) 64.64 (8" PVC) 64.29 (8" RCP)	64.19 (10" PVC)	48"
SMH 16091	77.67	69.37 (8" PVC)	69.34 (8" PVC)	48"
SMH 16094	75.92	69.15 (8" PVC)	69.05 (8" PVC)	48"
SMH 21114	107.75	99.95 (8" PVC) 99.86 (8" PVC)	99.60 (8" PVC)	48"
SMH 21423	106.57	97.17 (12" PVC)	88.91 (12" PVC)	48"
SMH 22095	115.44	108.79 (18" PVC)	108.49 (15" PVC)	48"
SMH 25522	130.11	117.21 (15" PVC)	117.16 (15" PVC)	48"
SMH 25556	128.59	110.01 (12" PVC)	110.00 (12" PVC)	48"
SMH 26197	88.26	83.62 (12" PVC) 80.53 (12" PVC) 82.56 (15" CRP) 83.62 (15" PVC)	80.51 (12" PVC)	48"
SMH 26365	107.74	97.99 (8" PVC) 98.01 (12" PVC)	97.74 (12" PVC)	48"
SMH 26367	130.04	109.83 (12" PVC) 109.87 (15" PVC)	109.76 (18" PVC)	48"

