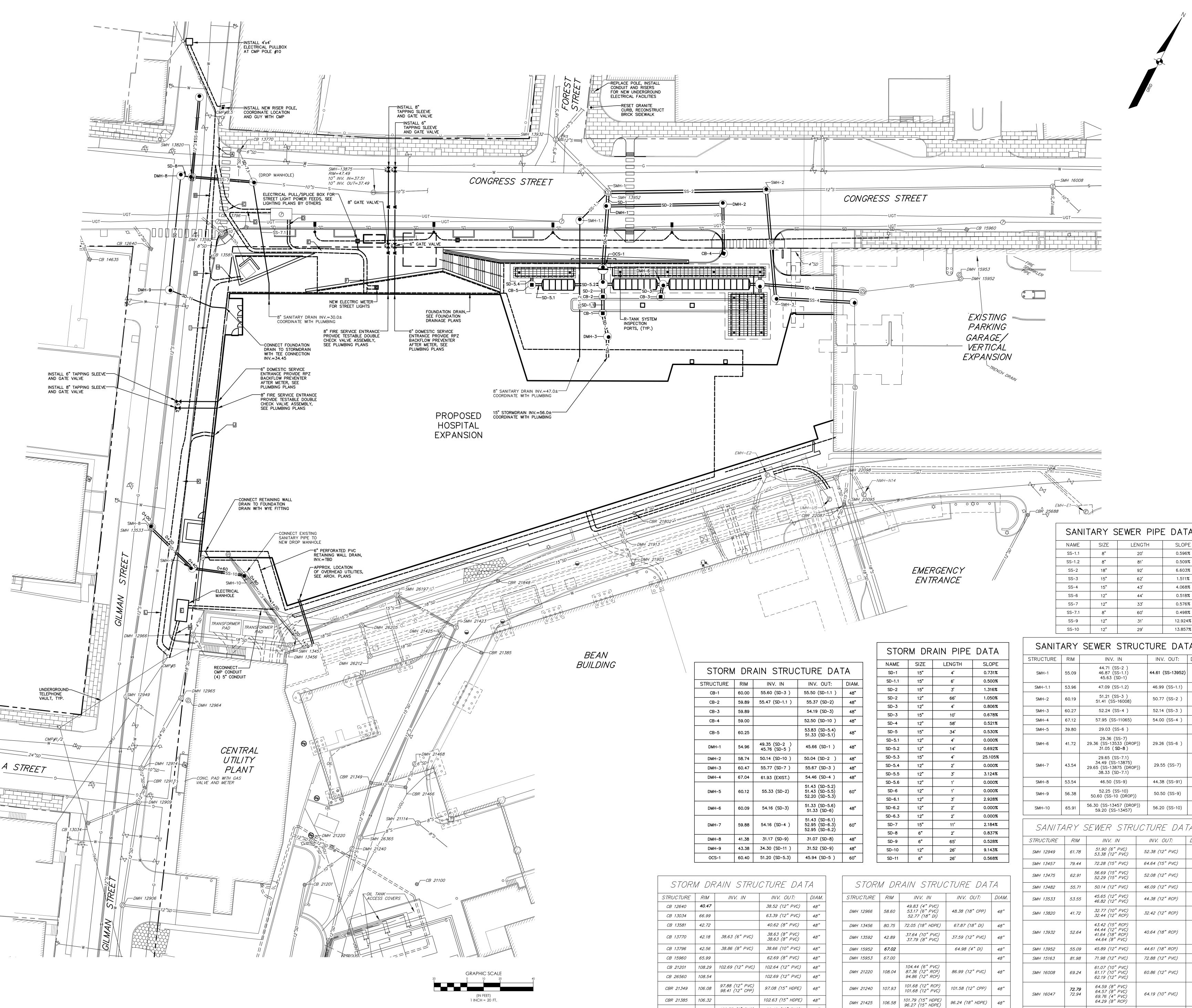
EXISTING	DESCRIPTION — PROPERTY LINE/R.O.W.	PROPOSED	-
///////////////////////////////////////			<b>U</b> 
	PAVEMENT SAWCUT — EDGE CONCRETE — CURB LINE =		=
- <b>120118</b> ×120.00		<b>120-</b> +120.00	-
0	DECIDUOUS TREE CONIFEROUS TREE		
G G	SIGN — GAS —		-
C G	GAS GATE VALVE GAS METER GAS MANHOLE	M	
₩ ₩∑ ₩&	— WATER — WATER GATE VALVE WATER SHUT OFF	₩ ₩ ₩ ₩ *\$°	-
-\$- @) s	HYDRANT WATER MANHOLE — SANITARY SEWER <b>—</b>	+ s	_
© SD	SANITARY MANHOLE — STORM DRAIN –	• 	-
UD ©	— UNDER DRAIN – DRAINAGE MANHOLE	UD	-
	CATCH BASIN — OVERHEAD UTILITY <b>—</b> — UNDERGROUND UTILITY <b>—</b>		-
Ē	TRANSFORMER PAD ELECTRICAL MANHOLE		_
() & ~	TELEPHONE MANHOLE LIGHT POLE UTILITY POLE	* •-≡ <del>*</del>	
******	GUY WIRE RIPRAP		
	INLET PROTECTION	<i>©</i>	×
	RECONSTRUCTION		
NUCT BA	NK LEGEND		
A <u>DUCT BAN</u> (2) 2" CO			
GUY F (5) 4" CO (3) 4" CO	ÈED NDUIT (MMC) NDUIT (SPECTRUM CATV)		
B DUCT BAN	NDUIT (FAIRPOINT) <u>K "B"</u> NDUIT (SPECTRUM CATV)		
C <u>DUCT BAN</u> (2) 2" CO	<u>K_"C"</u> NDUIT (CMP) FOR		
(4) 4" CO	T LIGHTING NDUIT (MMC) NDUIT (FAIRPOINT)		
_	NDUIT (FAIRPOINT)		
(2) 2" CO	<u>K "E"</u> NDUIT (FAIRPOINT) NDUIT (CMP, CITY RTLAND)		
(4) 4" CO F <u>duct ban</u>	NDUIT (MMC) <u>K "F"</u>		
(4) 4" CO <b>G</b> <u>DUCT BAN</u>	NDUIT (FAIRPOINT) NDUIT (MMC) <u>K "G"</u>		
(3) 4" CO (3) 5" CO H <u>DUCT BAN</u>	NDUIT (SPECTRUM CATV) NDUIT (CMP) ĸ "H"		
(2) 4" EXI POLE BANK	STING CONDUIT (FAIRPOIN 7 EXTEND TO POLE 5 IN I-K-M	NT) TO DUCT	
(3) 5" CO	K ⊥ NDUIT (SPECTRUM CATV) NDUIT (CMP) NDUIT (FAIRPOINT)		
J DUCT BAN			
(3) 5" CO	NDUIT (SPECTRUM CATV) NDUIT (CMP)		
(2) 4" CO CABINI (2) 4" CO POLE	NDUIT (FAIRPOINT) FROM ET TO POLE 5 NDUIT (FAIRPOINT) FROM 5 TO BUILDING NDUIT (MMC)		
DUCT BAN (3) 4" CO	I <u>K "L"</u> NDUIT (SPECTRUM CATV)		
(4) 4" CO (2) 4" CO CABIN	NDUIT (MMC) NDUIT (FAIRPOINT) FROM ET TO POLE 5 NDUIT (FAIRPOINT) FROM		
POLE	5 TO BUILDING		
			2
			A STRE



STORM DRAIN STRUCTURE DATA						
STRUCTURE	RIM	INV. IN	INV. OUT:	DIAM.		
CB-1	60.00	55.60 (SD-3 )	55.50 (SD-1.1 )	48"		
CB-2	59.89	55.47 (SD-1.1 )	55.37 (SD-2)	48"		
CB-3	59.89		54.19 (SD-3)	48"		
CB-4	59.00		52.50 (SD-10 )	48"		
CB-5	60.25		53.83 (SD-5.4) 51.33 (SD-5.1)	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 (SD-2)	51.43 (SD-5.2) 51.43 (SD-5.5) 52.20 (SD-5.3)	60"		
DMH-6	60.09	54.16 (SD-3)	51.33 (SD-5.6) 51.33 (SD-6)	48"		
DMH-7	59.88	54.16 (SD-4 )	51.43 (SD-6.1) 52.95 (SD-6.3) 52.95 (SD-6.2)	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"		
0CS-1	60.40	51.20 (SD-5.3)	45.94 (SD-5 )	60"		

STORM DRAIN PIPE DATA						
NAME	SIZE	LENGTH	SLOPE			
SD-1	15"	4'	0.731%			
SD-1.1	15"	6'	0.500%			
SD-2	15"	3'	1.316%			
SD-2	12"	66'	1.050%			
SD-3	12"	4'	0.806%			
SD-3	15"	10'	0.678%			
SD-4	12"	58'	0.521%			
SD-5	15"	34'	0.530%			
SD-5.1	12"	4'	0.000%			
SD-5.2	12"	14'	0.692%			
SD-5.3	15"	4'	25.105%			
SD-5.4	12"	2'	0.000%			
SD-5.5	12"	3'	3.124%			
SD-5.6	12"	1'	0.000%			
SD-6	12"	1'	0.000%			
SD-6.1	12"	3'	2.928%			
SD-6.2	12"	2'	0.000%			
SD-6.3	12"	2'	0.000%			
SD-7	15"	11'	2.184%			
SD-8	6"	2'	0.837%			
SD-9	6"	65'	0.528%			
SD-10	12"	26'	9.143%			
SD-11	6"	26'	0.568%			

STORI	M DR	PAIN STRU	CTURE DAT	ΤΑ
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)	38.63 (8" PVC) 38.63 (8" PVC)	48"
CB 13796	42.56	38.86 (8" PVC)	38.66 (10" PVC)	48"
CB 15960	65.99		62.69 (8" PVC)	48"
CB 21201	108.29	102.69 (12" PVC)	102.64 (12" PVC)	48"
CB 26560	108.54		102.69 (12" PVC)	48"
CBR 21349	106.08	97.88 (12" PVC) 98.41 (12" CPP)	97.08 (15" HDPE)	48"
CBR 21385	106.32		102.63 (15" HDPE)	48"
CBR 21466	106.75	102.75 (6" PVC)	99.40 (12" PVC)	48"
CBR 21802	107.94		105.05 (8" CPP)	48"
CBR 21848	106.49	100.35 (15" CPP)	100.16 (18" HDPE)	48"
CBR 22087	115.13	108.88 (15" CPP) 106.38 (18" RCP) 106.53 (6" PVC)	106.37 (18" CPP)	48"
CBR 25688	125.20		121.67 (12" CPP)	48"
DMH 12906	72.45	62.96 (12" PVC) 67.07 (12" RCP)	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" CPP) 49.37 (24" CPP)	49.31 (24" CPP)	48"
DMH 12964	65.52			48"
DMH 12965	64.52	47.80 (18" CPP)	49.80 (24" CPP)	48"

STOR	M DR	PAIN STRUC	CTURE DAT	ΤΑ
STRUCTURE	RIM	INV. IN	INV. OUT:	DIAM.
DMH 12966	58.60	49.83 (4" PVC) 53.17 (6" PVC) 52.77 (18" DI)	48.38 (18" CPP)	48"
DMH 13456	80.75	72.05 (18" HDPE)	67.87 (18" DI)	48"
DMH 13592	42.89	37.64 (10" PVC) 37.79 (8" PVC)	37.59 (12" PVC)	48"
DMH 15952	67.02		64.98 (4" DI)	48"
DMH 15953	67.00			48"
DMH 21220	108.04	104.44 (6" PVC) 87.36 (12" RCP) 94.86 (12" RCP)	86.99 (12" PVC)	48"
DMH 21240	107.93	101.68 (12" RCP) 101.68 (12" PVC)	101.58 (12" CPP)	48"
DMH 21425	106.58	101.79 (15" HDPE) 96.27 (15" HDPE)	96.24 (18" HDPE)	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) 107.25 (18" PVC) 101.85 (18" CPP)	101.84 (15" CPP)	48"
DMH 22098	115.18	106.03 (18" CPP)	105.99 (18" CPP)	48"
DMH 25531	130.05	110.05 (12" PVC)	109.44 (18" RCP)	48"
DMH 25556	128.73	110.87 (12" PVC) 121.03 (12" CPP)	110.11 (12" PVC)	48"
DMH 25575	128.66	121.31 (12" CPP)	121.21 (12" CPP)	48"
DMH 26205	89.94	83.67 (18" HDPE) 83.72 (6" PVC) 84.60 (18" HDPE)	83.64 (18" HDPE)	48"
DMH 26212	97.74	87.11 (18" HDPE)	87.11 (18" HDPE)	48"

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	22 Bramhall Street Portland, ME 04102
	CONSULTANTS
	CIVIL/ LANDSCAPE ARCHITECT Sebago Technics Inc. 75 John Roberts Road, Suite 1A, South Portland, ME 04106
	STRUCTURAL ENG/ BUILDING ENVELOPE CONSULTANT — Simpson Gumpertz & Heger Inc. 41 Seyon Street, Building 1, Suite 500, Waltham, MA 02453
	MEPFP ENGINEER/CODE/LOW VOLTAGE
	<b>AKF Group LLC</b> 99 Bedford Street, 2nd Floor, Boston, MA 02111
	CONSTRUCTION MANAGER TURNER CONSTRUCTION 2 Seaport Lane, Suite 200, Boston, MA 02210
	ELEVATOR CONSULTANT VDA (Van Deusen & Associates)
	101 Summer Street, 4th Floor, Boston, MA 02110
	COST ESTIMATOR D.G. Jones International 3 Baldwin Green Common Suite 202 Woburn MA 01801
	3 Baldwin Green Common,Suite 202, Woburn, MA 01801 MEDICAL EQUIPMENT PLANNING
	<b>Mitchell Planning</b> 630 Dundee Road, Suite 340, Northbrook IL 60062
	PROJECT TITLE
	Congress Street
	<b>Building</b> 22 Bramhall Street
	Portland ME 04102
	OF MAL
\	
	C RILEY
	SOONAL ENTRY
	10/30/18
	KEY PLANS
DIAM.	PROJECT KEY PLAN
48"	SECTOR SECTOR VISITOR
48"	
48" 48"	BEAN BUILDING
48"	
48" 48"	
	1 - NOT USED
48"	2 - CONGRESS STREET 3 - VISITOR GARAGE 4 - EAST TOWER 5 - CENTRAL LITULITY PLANT
48"	B 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 8 - MAINE GENERAL BUILDING
48"	8 - MAINE GENERAL BUILDING
А ЛАМ.	5 6 7 5
48"	
48"	TRUE NORTH
48" 48"	
48"	
48"	CITY SUBMITTAL NO. 2
48"	OCTOBER 30, 2018
48"	
48"	2 CITY SUBMITTAL 10/30/2018
48"	2 CITY SUBMITTAL 10/30/2018   NO ISSUE DATE   Job Number 152189.000
48"	Drawn MAL/MAM
48"	A Checked DLR Approved DLR
48" 48"	
48"	UTILITY PLAN CONGRESS STREET
48" 48"	EXPANSION
48"	SHEET NUMBER
48"	C11-01
48"	
48"	Copyright 2018 @ Perkins + Will

	$\sim \sim$					
TA .						
-CBR 2568	EMH-E1- 8	O				
/	SAN	NITARY S	SEWER	PIPE	e dat	A
	NAME	SIZE	LENGT	Ή	SLOP	E
	SS-1.1	8"	20'		0.596	%
	SS-1.2	8"	81'		0.509	%
	SS-2	18"	92'		6.603	%
	SS-3	15"	62'		1.5115	76
	SS-4	15"	43'		4.068	%
	SS-6	12"	44'		0.518	%
	SS-7	12"	33'		0.576	%
	SS-7.1		60'		0.498	
	SS-9	12"	31'		12.924	
	SS-10	12"	29'		13.857	%
SANI	TARY	SEWER	STRUC	TURI	e dat	Ā
STRUCTURE	RIM	INV.	IN	INV	. OUT:	DI.
SMH-1	55.09	44.71(S 46.87(S 45.63(S	S-1.1)	44.61	(SS-13952)	4
SMH-1.1	53.96	47.09 (S	S-1.2)	46.99	9 (SS-1.1)	4
SMH-2	60.19	51.21 (S 51.41 (SS-	S-3 ) -16008)	50.7	7 (SS-2 )	4
SMH-3	60.27	52.24 (S	S-4)	52.14	4 (SS-3 )	4
SMH-4	67.12	57.95 (SS	-11065)	54.00	) (SS-4 )	4
SMH-5	39.80	29.03 (S	S-6)			4
SMH-6	41.72	29.36( 29.36(SS-135 31.05(S	33 (DROP))	29.26	6 (SS-6 )	4
SMH-7	43.54	29.65 (S 34.49 (SS 29.65 (SS-138 38.33 (S	-13875) 575 (DROP))	29.5	5 (SS-7)	4
SMH-8	53.54	46.50 (\$	SS-9)	44.38	8 (SS-91)	4
			,			
SMH-9	56.38	52.25 (S 50.60 (SS-10	S-10)	50.5	0 (SS-9)	4

SMH-10	65.91	56.30 (SS-13457 (DROP)) 59.20 (SS-13457) 56.20 (SS-10)		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	79.44	72.28 (15" PVC)	64.64 (15" PVC)	48"		
SMH 13475	62.91	56.69 (15" PVC) 52.29 (15" PVC)	52.08 (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	32.77 (10" PVC) 32.44 (12" RCP)	32.42 (12" RCP)	48"		
SMH 13932	52.64	43.42 (15" RCP) 44.44 (12" PVC) 41.64 (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	<b>72.79</b> 72.94		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)	86.18 (12" PVC)	48"		
SMH 22095	115.44	108.75 (18" PVC)	108.49 (15" PVC)	48"		
SMH 25522	130.17	117.21 (15" PVC)	117.16 (15" PVC)	48"		
SMH 25558	128.59	9 110.01 (12" PVC)	110.00 (12" PVC)	48"		
SMH 26197	88.26	83.62 (12" PVC) 80.53 (12" PVC) 82.56 (15" CPP) 83.62 (15" PVC)	80.51 (15" PVC)	48"		
SMH 26365	107.74	4 97.99 (8" PVC) 98.01 (12" PVC)	97.74 (12" PVC)	48"		
SMH 26367	130.04	4 109.83 (12" PVC) 109.87 (15" PVC)	109.76 (18" PVC)	48"		