Manhole Inspection Report	MH# C2-1337
Image: Sector	Catchment Area: Inspector: Greg Frazier Date: 11/21/2018 8:19:03 AM Temp: 30s Weather: Cloudy/Overcast Street: Somerville Ave
General Comments:	Cover Size: 24" Other: Manhole Size: Other: Drop: N Depth to Wet Ring from Rim or Invert:
Location of MH - Roadway Comment - Brick Manhole Material - Brick Comment - Stagnant Flow - Stagnant Comment - Normal Sewer Appearance	Weir- (Y/N):YRim to top of weir:8.05'MH Channel- (Y/N):YMH Channel Condition:FairArea Around MH Condition:Paved- CrackedMH Condition:
Recommendations- Clean/Remove Depris from invert	Fair

	Pipe Size	Material	From / To MH#	Invert Depth (from rim)	Flow Depth (from invert)	Debris Depth (from invert)	Condition
Α.	30"	Other	<u>C2-3170</u>	9.31'	2"	2"	Good
В.	15"	VCP	FIT-357	9.75'	0"	0"	Fair
C.							
D.	30"	Unknown	C2-3168	9.31'	2"	4"	N/A
Ε.							
F.							
G.							
Н.							

Manhole Inspection Report	MH# C2-3170
Image: A constrained of the constrained	Catchment Area: Inspector: Greg Frazier Date: 11/21/2018 8:34:10 AM Temp: 30s Weather: Cloudy/Overcast Street: Somerville Ave
General Comments:	Cover Size: 24" Other: Manhole Size: Other Other: 3'x4' Drop: N Depth to Wet Ring from Rim or Invert:
Location of MH -RoadwayComment -BrickManhole Material -BrickComment -StagnantFlow -StagnantComment -Normal Sewer Appearance	Weir- (Y/N):NRim to top of weir:MH Channel- (Y/N):NMH Channel Condition:Area Around MH Condition:Paved- CrackedMH Condition:
Recommendations- Clean/Remove Depris from invert	Good

	Pipe Size	Material	From / To MH#	Invert Depth (from rim)	Flow Depth (from invert)	Debris Depth (from invert)	Condition
Α.	36"	PVC	C2-1337	9.36'	6"	1"	Good
В.	15"	PVC	C2-3171	8.02'	1"	0"	Good
C.							
D. E.	36"	CIPP	<u>C2-3174</u>	9.14'	6"	2"	Fair
F.							
G.							
Н.							



	Pipe Size	Material	From / To MH#	Invert Depth (from rim)	Flow Depth (from invert)	Debris Depth (from invert)	Condition
Α.	8"	VCP	CB?	6.71'	1"	0"	Good
в.	20"?	RCP	<u>C2-5419</u>	7.42'	2"	0"	Good
C.	12"	RCP	Unk	4.64'	0"	0"	Good
D.	21"	RCP	1-5431	7.47'	2"	0"	Good
Ε.	20"	VCP	Bulkheaded	7.37'	0"	0"	N/A
F.	8"	PVC	CB?	5.68'	1"	0"	Good
G.							
Н.							

Manhole Inspection Report	MH# A-731
	Catchment Area:
	Inspector: Greg Frazier
	Date:11/21/2018 12:12:12 PM
Heathand Add Real Boo Fee	Temp: <u>30s</u>
Manhole Type:	Weather: Cloudy/Overcast
And Lear Credets Service Edit (HEEL Datame, UGES Norma, NOERMETT PRICes, Est Ageas, METL Est Obia (Nong, Eer Kona, Erl (Nature), Maynority, More Control (Norma), NOERMETT PRICes, Est Ageas, METL Est Obia (Nong, Eer Kona, Erl (Nature), Maynority, NOER Obia (Nong, Eer Kona, Erl)), Norma (Norma), Noerman, Noe	Street: Washburn Ave
Latitude / Y: 42.399896 Longitude / X: -71.130763	
General Comments:	Cover Size: 24" Other:
	Manhole Size: 4' Other:
	Drop: N
	Depth to Wet Ring from Rim or Invert:
Location of MH - Roadway Comment -	Weir- (Y/N): N Rim to top of weir:
Manhole Material - Brick	MH Channel- (Y/N): Y
Comment -	MH Channel Condition:
Flow - Steady Comment -	Area Around MH Condition: Paved- Satisfactory
Clarity of Flow - Normal Sewer Appearance	MH Condition:
Recommendations- Clean/Remove Depris from invert	Fair

	Pipe Size	Material	From / To MH#	Invert Depth (from rim)	Flow Depth (from invert)	Debris Depth (from invert)	Condition
Α.	12"	VCP	<u>A-734</u>	7.99'	10"	<u> </u>	Fair
В.	8"	VCP		7.86'	8"	2"	Good
C.	10"	VCP		7.82'	10"	1"	Good
D.	10"?	VCP	A-730	8.02'		<u>1"</u>	Fair
E. F.							
G.							
ы. Н.							

APPENDIX H

Confined Space Entry Notes



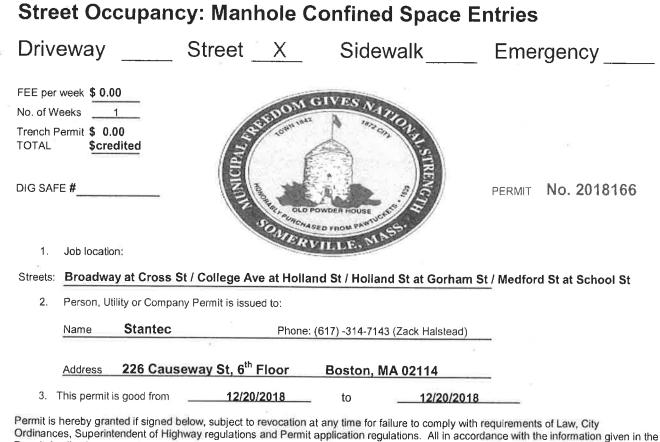
Somerville MVP - Fieldwork Planning

Somerville, MA

Legend CSEs to be conducted Last Updated: 12/19/2018

Street	Address / Intersection	Priority (High, Med, Low)	MHID	MH Type (DMH, SMH, CMH, COM)	Surface Inspection Needed (Y/N)	Confined Space Entry Needed (Y/N/Maybe/ UNK)	Would camera on pole eliminate CSE? (Y/N/NA)	Surface Inspection Date Completed	Pre-inspection Comments
Broadway St	Broadway St / Cross St	High	\$2-2767	CMH	Y	Y	Maybe	11/20/2018	Look for cross connect to \$2-2767
t.		High	S2-2141	CMH	Y	Y	Maybe	11/20/2018	Confirm connectivity; determine source of pipe thru MH; look for cross connect to 52-2767
Clarendon Ave	#32 Clarendon Ave	Med	S78CMH9500	CMH	Y	Y.	N	11/21/2018	Need CSE to understand connectivity into Tannery Brook
College Ave	College Ave / Holland St	Med	CA-5916	DMH	N	Y	Maybe		GIS outlet not shown; appears CSE needed
Holland St	Holland St / Paulina St / Gorham St	High	CA-2397	CMH	Y	Y	Y		Potential cross connection to CMH A-5353; need CSE to confirm if bulkheads exist
		High	A-5353	CMH	Y	Maybe	Maybe		Potential high level cross connection to CMH CA-2397
Medford St	Medford St / School St	High	30-5112A	COM?	N	Y	N		CSE needed to observe potential overflow to CS; MH ID created during flow meter work

Meet Police detail @ 8AM @ b> Broedway / Cross St # 10 Cross 54 E

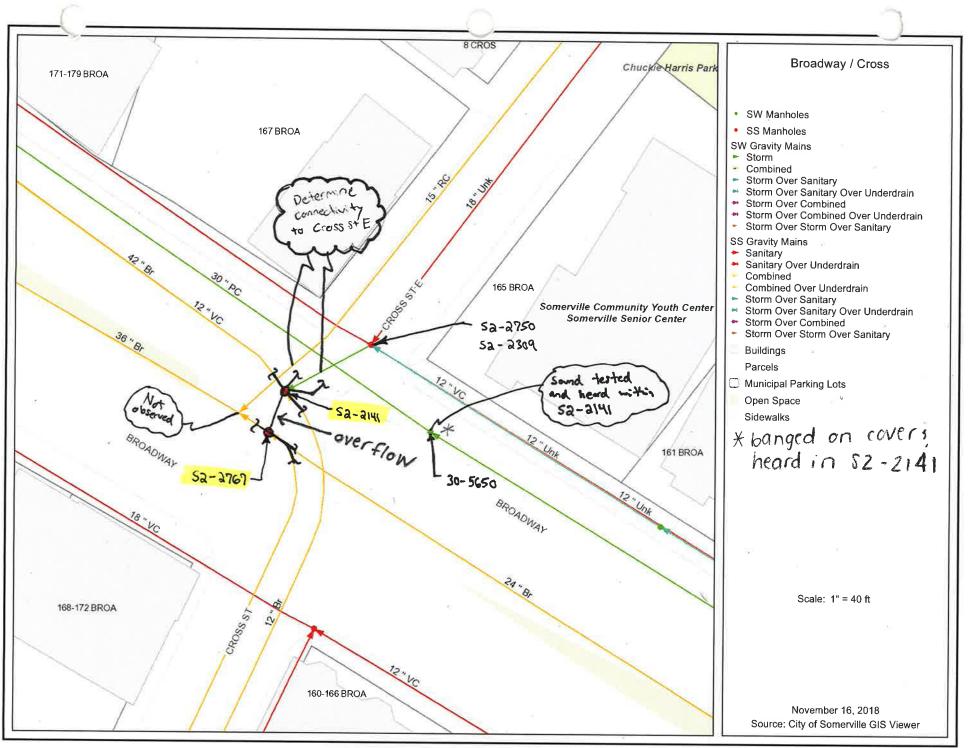


Permit Application.

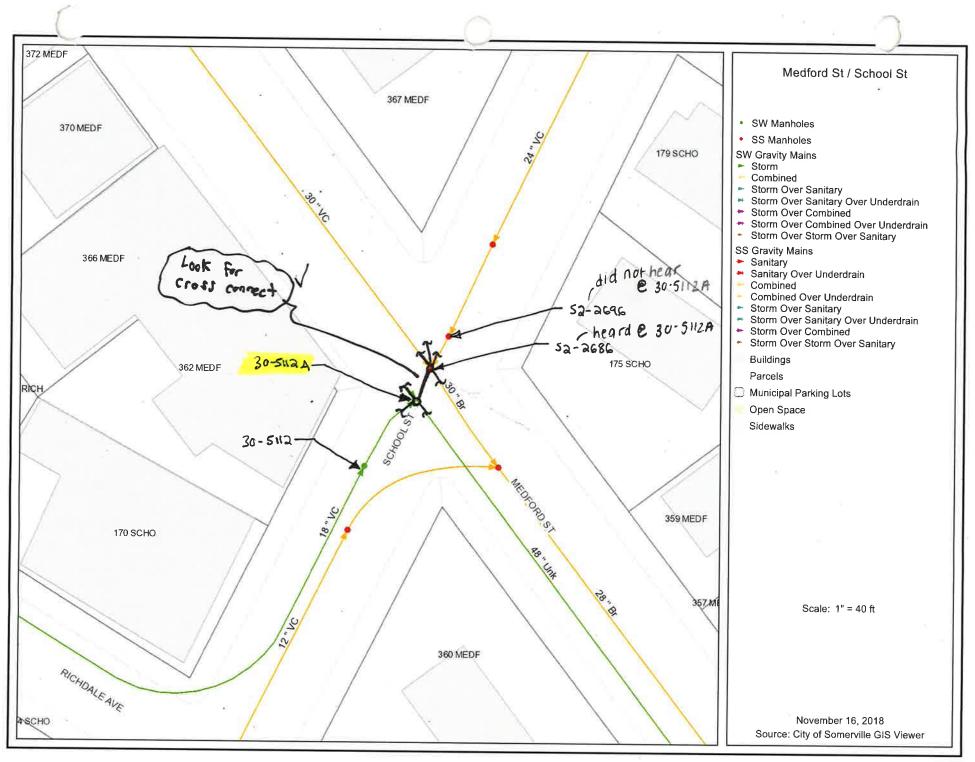
It is further understood that it shall be the responsibility of the permittee to comply with all City Ordinances in the restoration/payment of such City land excavated or otherwise altered.

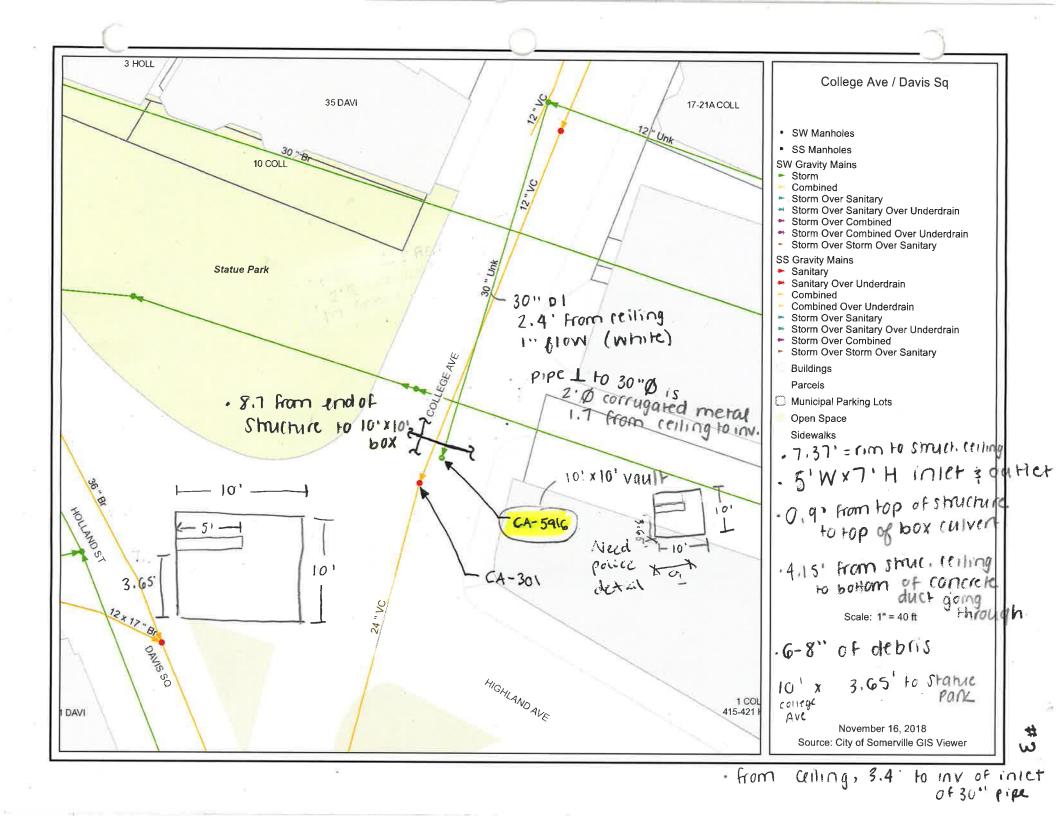
Engineering Department

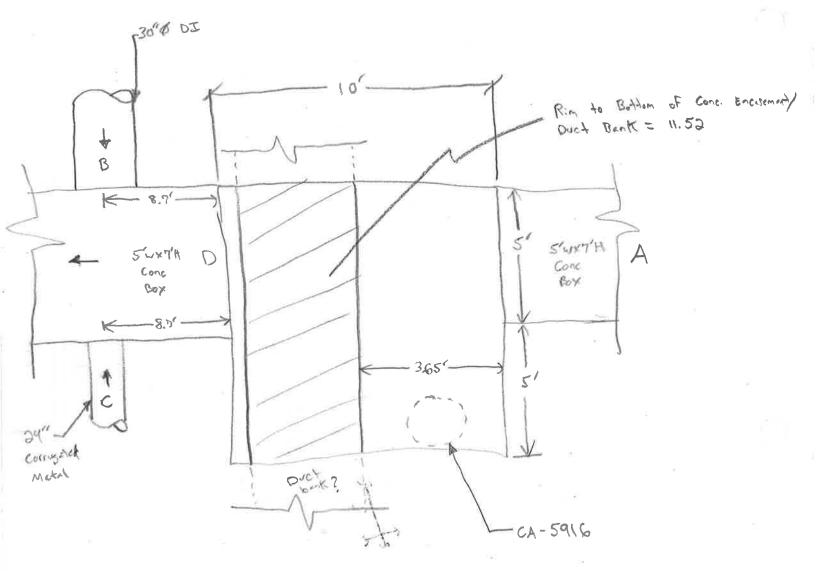
Approved Work Hours 7:00 AM to 4:00 PM In case of a snow/ice event, no work is permitted.



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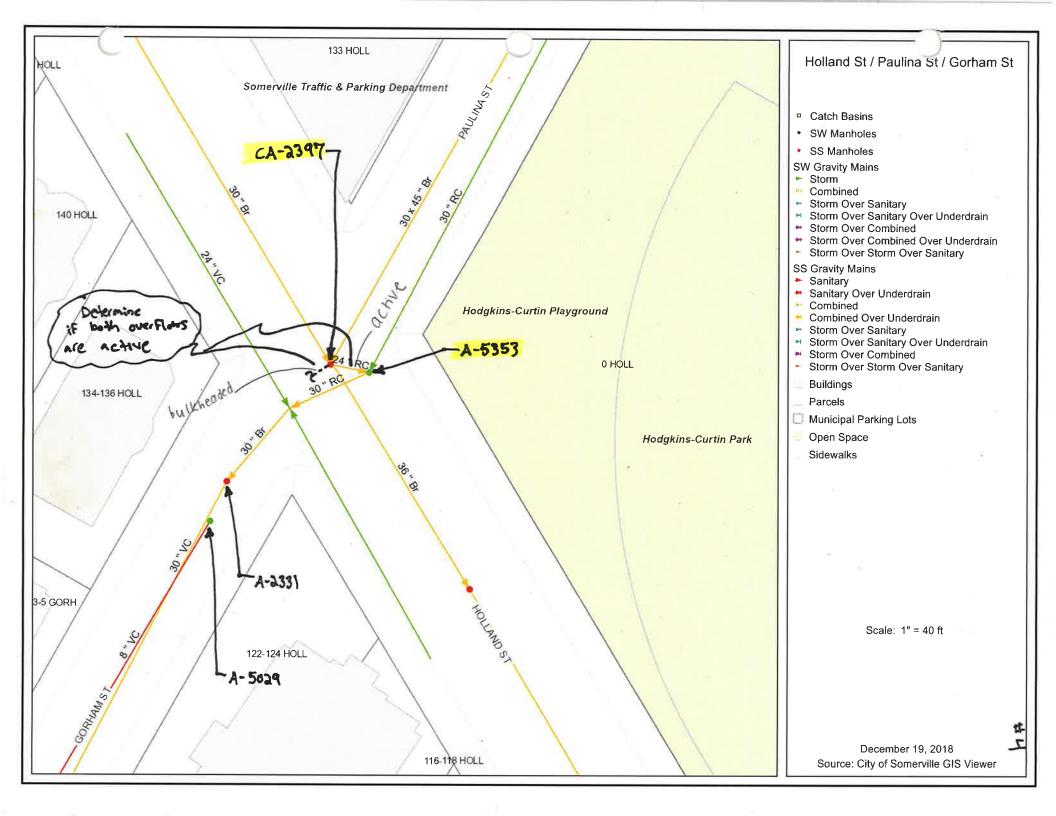


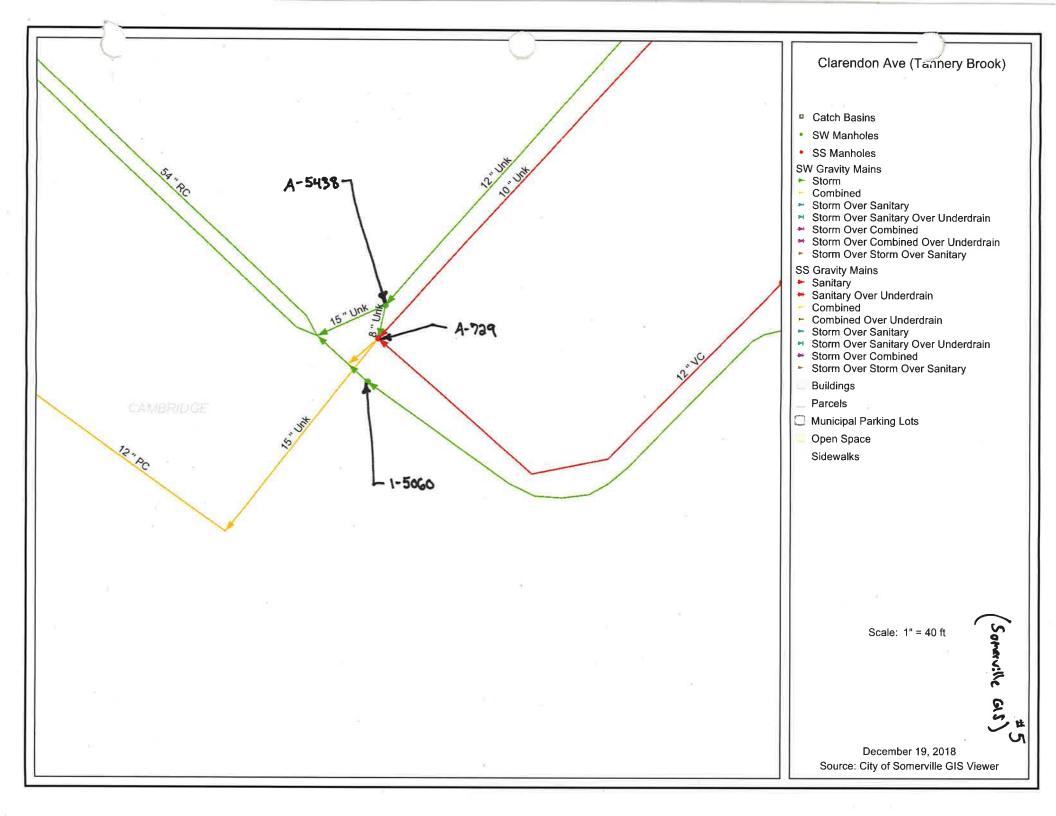


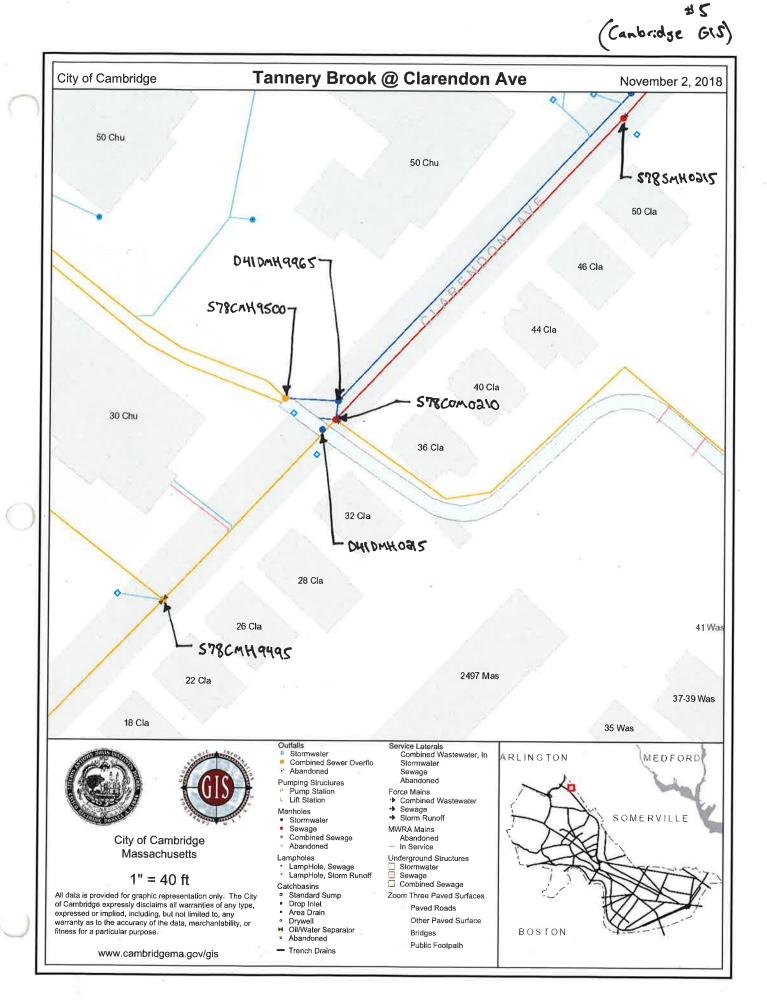


	Size	Maderiel	From RIM
A	SWX7'H	CONC	15.27
B	30"Ø	ID	9.77
С	24" Ø	Corrugated Met	4. 9.07'

D SWX7'H CONC 15.27"



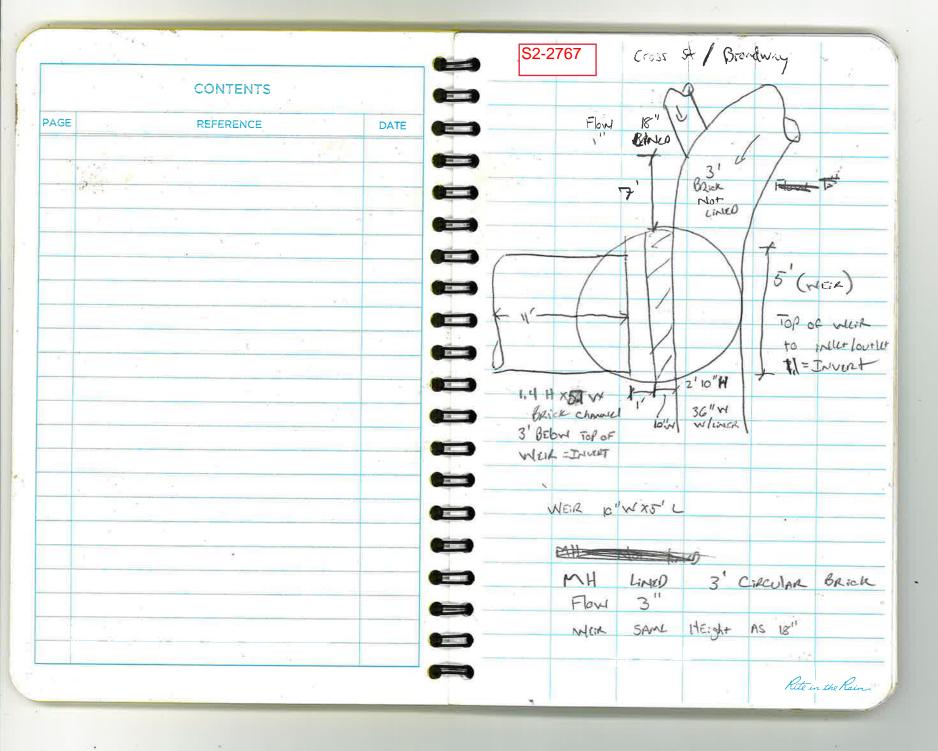


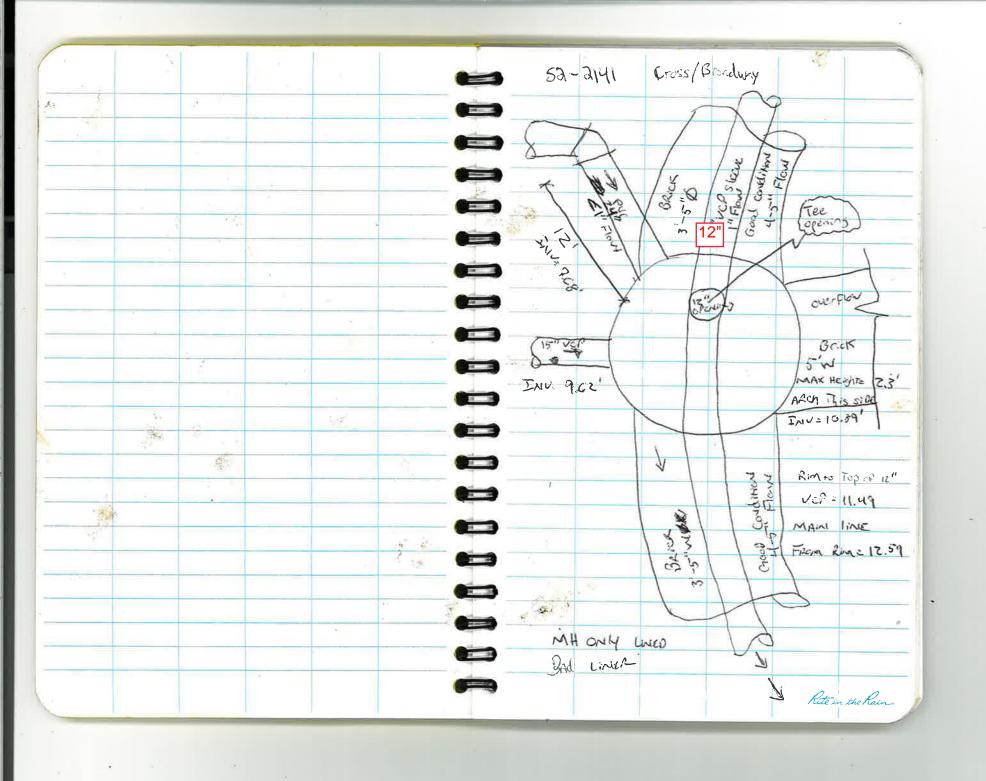


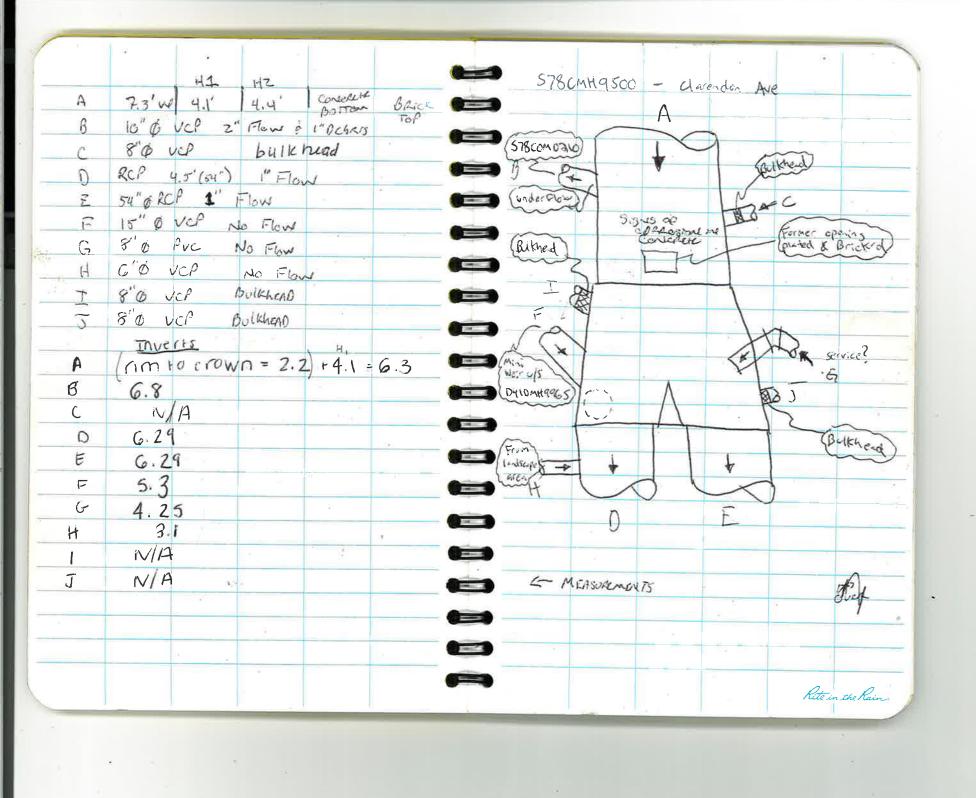
		with the second	THE THE S	12-26 86
Manhole Inspect	tion Report	Plettone [MH# 30-511	24
(A J unt	TN	Catchment Area:	Medford 15	chool
L K (E))	Inspector: ZS	HIGFAM	IH
B B	E	Date 12	20/18	
TO B B		Weather	suna	
to or us		Street Mea	tford / Schoo	
of invent				
			~	
	Crackin MH.		24*) 30" Other 4') 5' Other	×
	MH.	Drop	$Y(\widehat{N})$	
	12 E	Depth to Wet Riv	ng from Rim or In	vert:
Paved: Satisfactory Missing Pavement	Cracked Vegetation Growth	Unpaved:	Satisfactory Eroded	
F Pipe size Material	rom / To Invert MH# Depth (from Rin	(from Invert)	Debris Depth (from Invert)	Condition
	MH# Depth (from Rin	(from Invert) 5 1 F+	Depth	Condition
Pipe size Material	MH# Depth (from Rin	(from Invert) n)	Depth (from Invert)	Condition
Pipe size Material	MH# Depth (from Rin	(from Invert) 5 1 F+	Depth (from Invert)	Condition
Pipe size Material A. 2.3 brick B.	MH# Depth (from Rin 	(from Invert) $\frac{1}{5} + \frac{1}{7} +$	Depth (from Invert)	Condition
Pipe size Material A. 2.3' brick B.	MH# Depth (from Rin 	(from Invert) 5 1Ft 40P	Depth (from Invert)	Condition
Pipe size Material A. 2.3' brick B. C. 2.8' x 24"? W brick D. unk cipp E. $g''' Vc$	MH# Depth (from Rin $7, 1 \$ 5.43 + 0 of 1 6.81 7.15 + 0 + 0p of	(from Invert) n) <u>1 F+</u> Hop Hop T-8" <u>1 F+</u> <u>7-8"</u> <u>1 F+</u> <u>1 F+</u>	Depth (from Invert)	Condition
Pipe size Material A. 2.3 brick B. C. 2.8 x 24"? W brick D. UNK (IPP E. $g''' VC$ Location of MH – ROADWAY, SIDEWA	MH# Depth (from Rin 7,15 5.43 for 6.81 7.15 for 7.15 for 7.05 for 2.53 ALK, ROADSIDE, A	(from Invert)) 1 Ft +op +op 7-8 '' 1 Ft 1 Ft 3 ALLEY, EASEMENT,	Depth (from Invert)	Condition

Clarity of Flow - Normal Sewer Appearance, Cloudy, Clear, No Flow.

Recommendations - No Action, Rebuild, Line Manhole Wall, Reset Frame, Clean / Remove debris from Invert







APPENDIX I City GIS Markups



