Summary of Observations

			Gene	eral Obse	ervations			Manhole	e Structural Condi	tion and Observation	าร
Manhole				Drainage	e				Manhole (Components	
Number	Location	Grade	Cover Description	Area	Steps	Surcharge	Observation	Corbel	Walls	Floor	Invert
1 INSPECTEI	Cottage Street S.C. Rossi Automotive D FROM SURFACE	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1	VINYI	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	PRECAST	BRICK/PARGED	BRICK 1 1
					Drainage I	MH:					
				,	Weather:	CLEAR					
1A	Cottage Street S.C. Rossi Automotive	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK	BRICK/PARGED	BRICK 1 2 Holding 4" of debris
					Drainage I	MH:					
				,	Weather:	CLEAR					
2 INSPECTED	Cottage Street at Union Street	AT	Pick Hole(s) Lift Hole(s) Other Hole(s) Cracked pavement surrounding frame	8.1		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK	BRICK/PARGED	BRICK 1 1
					Drainage I	MH:					
				,	Weather:	CLEAR					
3 INSPECTEI	Cottage Street Front of Aubuchon Hardware	BELOW 2.5	Pick Hole(s) Lift Hole(s) Other Hole(s)	45.0		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK 1	BRICK/PARGED	BRICK 1 1
					Drainage I	MH:					
					Weather:						

			Gener	al Obse	ervations			Manhole S	tructural Condition	on and Observation	S	
Manhole				Drainage	e				Manhole Co	omponents		
Number	Location	Grade	Cover Description	Area	Steps	Surcharge	Observation	Corbel	Walls	Floor	Invert	
4	Cottage Street at Saxon Street	BELOW 3	Pick Hole(s) Lift Hole(s) Other Hole(s) Cracked pavement surrounding frame			мн:	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/PARGED 2 2 Missing mortar, loose pieces	BRICK/PARGED Very light mineral deposits	BRICK/PARGED	BRICK	1
	Saxon Street	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s) Cracked pavement surrounding frame		STEEL Corroded Drainage I	мн:	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BLOCK 1	BRICK	BRICK 1 1	BRICK	1
	Saxon Street Easement In front of Franklin Paint D FROM SURFACE	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 1	BRICK	PARGED/BRICK 1 1	BRICK	1
7	Saxon Street Easement In rear of Franklin Paint	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1		CLEAR No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 1	BRICK	BRICK 1 1	BRICK	1
					Drainage I Weather: (

			Gener	al Obse	ervations		Manhole S	tructural Condition	n and Observation	S
Manhole				Drainage	e			Manhole Cor	mponents	
Number	Location	Grade	Cover Description	Area	Steps Surcharge	e Observation	Corbel	Walls	Floor	Invert
	Cottage Street R.O.W.	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)		2 No Currer STEEL Surcharge Evident Corroded Drainage MH:	t MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK 2 2 2 Wet to 2', mineral deposits	BRICK/PIP 2 2 Mineral deposits	BRICK 1
9 INSPECTEI	Fisher Street Easement	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)		0 No Currer NONE Surcharge Evident		BRICK	BRICK	BRICK/PARGED	BRICK 1
					Weather: CLEAR					
	Cottage Street R.O.W.	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	0 No Currer NONE Surcharge Evident	t MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BLOCK	BRICK I 2 Roots, mineral deposits	2 BRICK 2 2 2 Loose pieces, roots	BRICK/PIP 2
					Drainage MH:					
	Fisher Street at Sugarbeet Road	BELOW 0.5	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	6.3	2 No Currer STEEL Surcharge Evident Corroded		BRICK	BRICK	BRICK	BRICK 2 Missing mortar
					Drainage MH:			10015, WEI 10 5		
				,	Weather: CLEAR					

			Gene	ral Obse	ervations			Manhole S	tructural Conditio	n and Observatio	ons	
Manhole				Drainag	е				Manhole Co	mponents		
Number	Location	Grade	Cover Description	Area	Steps	Surcharge	Observation	Corbel	Walls	Floor	Invert	
12	131 Fisher Street	ABOVE 0.1	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6		мн: 🗌	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/PARGED 1	BRICK/PARGED Wet to 3', mineral deposits	BRICK/PARGED	BRICK	1
13 INSPECTE	129 Fisher Street	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/PARGED 2	BRICK/PARGED	BRICK/PARGED 2 Mineral deposits	BRICK/PARGE	D 1
					Drainage I Weather: (
14 INSPECTE	121 Fisher Street	ABOVE 0.1	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	2 STEEL Corroded	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/PARGED 1	BRICK/PARGED	PARGED	BRICK	1
15	Hayward Street at Fisher Street	ABOVE 0.25	Pick Hole(s) Lift Hole(s)	3.6			MATERIAL CONDITION LEAKS (gpd)	BRICK/PARGED	BRICK/PARGED	BRICK 2	BRICK 1	1
INSPECTE	SPECTED FROM SURFACE		Other Hole(s)		Corroded Drainage I Weather: 0	мн: 🗌	DEFECTS		Mineral deposits, missing pieces			

			Gener	al Obse	ervations		Manhole St	ructural Condition	n and Observation	5
Manhole				Drainag	1e			Manhole Con	nponents	
Number	Location	Grade	Cover Description	Area	Steps Surcharge	Observation	Corbel	Walls	Floor	Invert
16 INSPECTE	14 Hayward Street	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	2 No Current STEEL Surcharge Evident Corroded	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 1	BRICK/PARGED 1	BRICK/PARGED 1	BRICK 1
					Drainage MH:					
					Weather: CLEAR					
17	24 Hayward Street	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1	2 No Current STEEL Surcharge Evident Corroded	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	PARGED 1			BRICK 1
					Drainage MH:			with mineral deposits to 3' above floor		
					Weather: CLEAR					
	42 Hayward Street	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	5.4	2 No Current CAST Surcharge Evident Corroded	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK/PARGED	BRICK/PARGED 3	BRICK/PARGED	BRICK 1
					Drainage MH:	DEFECTS		Wet to 2.5' above floor		
19	42 Hayward Street	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	2 No Current CAST Surcharge Evident Corroded Marks to 5.0	MATERIAL CONDITION LEAKS (gpd)	PARGED 2	BRICK/PARGED 2	BRICK/PIP	BRICK
INSPECTE	ISPECTED FROM SURFACE				Ecorroded Marks to 5.0 Ft Drainage MH:	PHOTO DEFECTS	Missing mortar, missing pieces	Missing pieces		
					Weather: CLEAR					

General Observations								Manhole St	ructural Conditi	on and Observations	5
Manhole				Drainag	ae				Manhole C	omponents	
Number	Location	Grade	Cover Description	Area	Steps	Surcharge	Observation	Corbel	Walls	Floor	Invert
20	31 Hayward Street	ABOVE 0.2	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	CAST	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 1	BRICK	PIP 1 1	BRICK 1
					Drainage N	/H:					
					Weather: C	LEAR					
	31 Hayward Street (lawn)	BELOW 2	2 0.5 Pick Hole(s) Lift Hole(s) Other Hole(s)	11.1	STEEL	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/BLOCK	BRICK	2 BRICK/PARGED 1	BRICK 1
					Drainage N	ИН:	DELEGIO				
					Weather: C						
22	Hayward Street R.O.W.	ABOVE 6	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	3	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK/STEEL 2	BRICK 144	BRICK 2 1	BRICK 1
Rehab Re	ecommendations: Seal, cem	ent coating	ı (all)		Drainage N	ИН: 🗌	DEFECTS	Light roots	Light roots, moderate mineral deposits		
					Weather: C	LEAR					
23	Hayward Street Easement	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1	STEEL	No Current Surcharge Evident Marks to 3.0 Ft	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 3	BRICK	PARGED 3 1	CNI 0
Seal, ceme	nt coating				Drainage N	ИН: 🗌	DEFECTS	Missing mortar, loose pieces, broken brick	Missing mortar, light mineral deposits		High flow
					Weather: C	LEAR					

			Ge	neral Obs	ervations			Manhole S	tructural Condition	n and Observatior	าร
Manhole				Draina	ae				Manhole Cor	nponents	
Number	Location	Grade	Cover Description	Area	-	Surcharge	Observation	Corbel	Walls	Floor	Invert
24 Seal come	Hayward Street Easement	AT	Pick Hole(s Lift Hole(s) Other Hole	,	CAST	No Current Surcharge Evident Marks to 3.0 Ft	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/BLOCK/PAR 2 Missing mortar, light mineral		BRICK Moderate mineral deposits	BRICK 2 2 2 Moderate mineral deposits
					Drainage Weather:			deposits			
25	Hayward Street Easement	BELOW 3	Pick Hole(s Lift Hole(s) Other Hole	,		No Current Surcharge Evident Marks to 3.0 Ft	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 2		BRICK	BRICK
Rehab Re	commendations: Cement co	pating corb	pel/wall		Drainage		DEFECTS	Light roots	Light roots		
26	Hayward Street Easement	ABOVE 4	Pick Hole(s Lift Hole(s) Other Hole	,		No Current Surcharge Evident Marks to 3.0 Ft	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 2		BRICK	BRICK 1 1
Rehab Re	ecommendations: Cement se	ealing (all)			Drainage		DEFECTS	Light roots, light mineral deposits	Light roots		
27	Master Drive	AT	Pick Hole(s Lift Hole(s) Other Hole	,	0	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd)	BLOCK 2		BRICK	BRICK
	O FROM SURFACE			~)			PHOTO DEFECTS	Missing mortar,			
Rehab Re	commendations: Frame sea	al poor			Drainage	MH:		minor no infiltration			
					Weather:	CLEAR					

28 Mas Could Not Locate 29 Bea cros INSPECTED FRO	eaver Street at railroad	Grade ABOVE 2 BELOW	Cover Description Pick Hole(s) Lift Hole(s) Other Hole(s)	Drainag Area 0.0	Steps 0	Surcharge No Current Surcharge Evident	Observation MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	Corbel 0	Manhole C Walls	omponents Floor 0 0	Invert	0
28 Mas Could Not Locate 29 Bea cros INSPECTED FRO	aster Drive R.O.W. <i>te Manhole.</i> eaver Street at railroad	ABOVE 2	Cover Description Pick Hole(s) Lift Hole(s)	Area 0.0	Steps 0	No Current Surcharge	MATERIAL CONDITION LEAKS (gpd) PHOTO		Walls			0
Could Not Locate 29 Bea cros INSPECTED FRO	te Manhole. eaver Street at railroad ossing	2	Lift Hole(s)			Surcharge	CONDITION LEAKS (gpd) PHOTO	0		0 0		0
29 Bea cros	eaver Street at railroad	BELOW										
Cros	ossing	BELOW			Drainage I	MH:						
Cros	ossing	BELOW			Weather:							
	OM SURFACE	0.25	Pick Hole(s) Lift Hole(s) Other Hole(s)	10.8		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 2	BRICK	BRICK/PARGED	BRICK	1
 30 Bea							DEFECTS	Missing mortar				
30 Bea					Drainage I Weather: (
	eaver Street R.O.W.	ABOVE 12	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 2	CIP	NONE 1 0	CIP	1
					Drainage I Weather: (DEFECTS	Missing mortar at frame seal, light roots				
31 Bea	eaver Street R.O.W.	ABOVE 12	Pick Hole(s) Lift Hole(s)	3.6	0	No Current Surcharge Evident		BRICK 3	BRICK	CNI 4 4	CNI	4
INSPECTED FRO	OM SURFACE		Other Hole(s)				LEAKS (gpd) PHOTO					
Frame seal and e	exterior cement coating	g missing, he	eavy root intrusion		Drainage I Weather: (DEFECTS	Roots, missing mortar	Roots	Roots	Roots, channel restricted 15%	

			Gener	al Obse	rvations			Manhol	e Structural Cond	itio	n and Observatio	ns	
Manhole				Drainage	Э				Manhole	Cor	nponents		
Number	Location	Grade	Cover Description	Area	Steps	Surcharge	Observation	Corbel	Walls		Floor	Inv	ert
32	Beaver Street R.O.W.	ABOVE 14	2 0.5 Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BLOCK Minor roots at	BLOCK 2 Minor roots	2	PIP	CIP 1	1
					Drainage I Weather: (frame seal					
33	Beaver Street R.O.W.	ABOVE 9	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK	BRICK 2	2	BRICK	BRICK	2
					Drainage I Weather: (DEFECTS	Roots, missing mortar	Roots			Missing mo	ortar
34	Beaver Street R.O.W.	ABOVE 3	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	0 NONE	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK 2 Roots	2	BRICK	BRICK 1 Missing mo	2
35	Beaver Street R.O.W.	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)		Drainage I Weather: (0		MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	ROOTS	0	C		0	ortar 0
Could Not I	Locate Manhole.				Drainage I Weather: (

Table 1 Franklin, MA Summary of Observations Made During Structural Inspection

				Gener	al Obs	ervations			Manhole S	tructural Conditior	and Observations	5	
Manhole				[Draina	ge				Manhole Con	nponents		_
Number	Location	Grade	Cover D	escription	Area	-	Surcharge	Observation	Corbel	Walls	Floor	Invert	
36	Beaver Street R.O.W.	BELOW 3	2 1 	Pick Hole(s) Lift Hole(s) Other Hole(s)	4.8		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 2	BRICK 2	BRICK 2	BRICK Moderate roots	2
						Drainage I Weather: 0							
37	Beaver Street R.O.W.	ABOVE 6		Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 2 Moderate roots	BRICK 2 Heavy roots	BRICK 2 Heavy roots	BRICK	1
						Drainage I Weather: (
38	Beaver Street	ABOVE 2	2 1	Pick Hole(s) Lift Hole(s) Other Hole(s)	8.1	NONE	No Current Surcharge Evident Marks to 3.0 Ft	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 2 Missing mortar, light roots	CAST IRON 2	NONE 0	CAST IRON	2
						Drainage N Weather: 0							
39	Beaver Street R.O.W.	BELOW 2	 	Pick Hole(s) Lift Hole(s) Other Hole(s)	22.5	STEEL	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 2	BRICK 2	BRICK 2	BRICK	1

DEFECTS

Drainage MH: Weather: CLEAR

Moderate roots

Light roots

Moderate roots

			Gener	al Obse	ervations			Manhole St	ructural Condition	and Observation	S	
Manhole				Drainag	e				Manhole Con	nponents		
Number	Location	Grade	Cover Description	Area		Surcharge	Observation	Corbel	Walls	Floor	Invert	
40	Beaver Street R.O.W.	ABOVE 8	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)				MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 3 Missing mortar, light roots, broken brick	BRICK/CAST IRON 2 Light roots, tuberculated	CAST IRON 2	CAST IRON	2
40A	Beaver Street R.O.W.	ABOVE 6	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)				MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	PRECAST 2 Missing mortar at frame	PRECAST/PIP 2 Light roots through barrel joints	BRICK 2	BRICK	1
41	Beaver Street R.O.W. At railroad tracks and I-495	ABOVE 2	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)		ALUM Corroded Drainage I Weather: (CLEAR	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	PRECAST 2 Missing mortar at frame seal	Light roots	Light roots, missing mortar, underwater	Moderate roots, underwater	3
	West Central Street R.O.W. D FROM SURFACE	ABOVE 0.5	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6 S ⁻		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BLOCK 1	PRECAST/PIP 2 Roots	PIP 1	BRICK	1
					Drainage I	MH:						
					Weather: (CLEAR						

			Gene	al Obse	ervations		Manhole S	Structural Conditio	n and Observation	IS	
Manhole				Drainag	1e			Manhole Co	mponents		
Number	Location	Grade	Cover Description	Area	Steps Surcharge	Observation	Corbel	Walls	Floor	Invert	
43 INSPECTE	Franklin Plaza (rear) D FROM SURFACE	ABOVE 12	Pick Hole(s) Lift Hole(s) Other Hole(s)	3.6	4 No Current STEEL Surcharge Evident Corroded	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK	PIP 1	CIP 1	1
					Drainage MH:						
					Weather: CLEAR						
44	Beaver Street R.O.W.	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s) Blind flange	5.4	1 No Current VINYL Surcharge COATED Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK/PRECAST	9IP 3	PIP 1	1
Manhole ha Precast wa corbel, floo	as been brought to grade tı ıll to 46' above invert. Reh r & invert	wice. Brick w nab Recomm	valls to 39' above invert. endations: Seal/coat wall		Drainage MH:			with mineral deposits to 8' above invert			
44A	West Central Street R.O.W. D FROM SURFACE	AT	2 0.5 Pick Hole(s) Lift Hole(s) Other Hole(s)	5.4	0 No Current NONE Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	PRECAST	PRECAST	РІР 1	PIP 1	1
					Drainage MH:						
45	Pond Street R.O.W.	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	0.0	0 No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS)	0 0	D	0
Could Not	Locate Manhole.				Drainage MH:						
					Weather: CLEAR						

				Gener	al Obse	rvations		Manhole Structural Condition and Observations						
Manhole					Drainage)				Manhole Con	nponents			
Number	Location	Grade	Cover I	Description	Area	Steps	Surcharge	Observation	Corbel	Walls	Floor	Invert		
46 INSPECTEI	Pond Street Easement	ABOVE 0.6	2 1 	Pick Hole(s) Lift Hole(s) Other Hole(s)	2.7	1 ALUM	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/PARGED 1	PRECAST 1	PARGED/BRICK 1	PARGED/BRICK 1		
						Drainage I	ИН:							
					١	Neather: (CLEAR							
46A	Pond Street Easement	ABOVE 1.5	2 1 	Pick Hole(s) Lift Hole(s) Other Hole(s)	1.8		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BRICK 2	PRECAST 1	PARGED 1	PARGED 1		
								DEFECTS	Roots					
Rehab Re	ecommendations: Cement li	ning on con	bel			Drainage I Neather: (
	Pond Street Easement	AT	2 1 	Pick Hole(s) Lift Hole(s) Other Hole(s)	2.7		No Current Surcharge Evident Marks to 12.0 Ft	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK/BLOCK/PAR 1	PRECAST 1	PARGED/BRICK 1	PARGED/BRICK		
						Drainage I Neather: (
47A	Pond Street Easement	ABOVE 10	2 1 	Pick Hole(s) Lift Hole(s)	2.7		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd)	PARGED 2	PRECAST 1	PIP 1	PIP 1		
	D FROM SURFACE			Other Hole(s)				PHOTO DEFECTS	Roots					
Rehab Re	ecommendations: Cement li	ning on con	bel			Drainage I	ин:							
						Veather: (

			Gener	al Obse	ervations		Manhole Structural Condition and Observations					
Manhole				Drainag	je				Manhole C	omponents		
Number	Location	Grade	Cover Description	Area		Surcharge	Observation	Corbel	Walls	Floor	Invert	
48	Pond Street Easement	ABOVE 1	6 Pick Hole(s) Lift Hole(s) Other Hole(s)	2.7		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 2	BRICK	2 BRICK/PARGED 2 2 Roots	BRICK 1	
Rehab Re	ecommendations: Cement li	ning on cori	bel		Drainage N	ИН:						
					Weather: 0	CLEAR						
49	Pond Street Easement	AT	2 1 Pick Hole(s) Lift Hole(s) Other Hole(s)	2.7		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO	BLOCK 1	BRICK	BRICK/PARGED	BRICK 1	
					Drainage N Weather: 0	_	DEFECTS	Very light roots	Very light roots			
50	Pond Street Easement	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	15.0		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK 2	BRICK	BRICK/PARGED 1 1	BRICK 1	
51	Pond Street Easement	AT	4 0.5 Pick Hole(s) Lift Hole(s) Other Hole(s)	2.7		CLEAR No Current Surcharge	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	PRECAST 1	PRECAST	BRICK 1 1	BRICK 1	
					Drainage N Weather: (

			Gener	al Obs	ervations		Manhole Structural Condition and Observations					
Manhole				Drainag	je				Manhole Co	mponents		
Number	Location	Grade	Cover Description	Area	Steps	Surcharge	Observation	Corbel	Walls	Floor	Invert	
51.1	Pond Street Easement	ABOVE 1	Pick Hole(s) Lift Hole(s) Other Hole(s)	2.7		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	BRICK	BRICK 1 Very light roots	BRICK 2 2 2 Very light roots	BRICK 2	1
					Drainage	MH:						
					Weather:	CLEAR						
	Pond Street Easement	BELOW 1.75	4 0.8 Pick Hole(s) Lift Hole(s) Other Hole(s)	45.0		No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS	PRECAST	PRECAST 1	BRICK 1 1	BRICK	1
					Drainage	MH:						
					Weather:	CLEAR						
53	Pond Street Easement	AT	Pick Hole(s) Lift Hole(s) Other Hole(s)	0.0	0	No Current Surcharge Evident	MATERIAL CONDITION LEAKS (gpd) PHOTO DEFECTS		0	0 0)	0
Could Not	Locate Manhole.				Drainage Weather:							
	ng is a summary based on t common, Combined and Sa		ubSystem		vveaulel.	ULEAR						

INSPECTED FROM SURFACE	30
INTERNAL INSPECTION	25
COULD NOT LOCATE	4
TOTAL MANHOLES IN SUBSYSTEM:	59

Summary of Line Observations

			Pipe Diameter	Pipe	Joint Length	Observed Flow Depth	Observed Debris Depth	Pipe Conn Leakage	
Line Secti	on	Depth	(Inches)	Material	(Feet)	(Inches)	(Inches)	(Gpd)	Observations
IN FROM	NNE	10' 04"	8	VCP	4	0.5	4		
IN FROM	1	10' 04"	18	PVC	13	4	0		Slow flow
OUT TO	2	10' 05"	16	CIP	10	3	0		
INS	PECTED FRO	M SURFACE							
IN FROM	NE	10' 03"	18	PVC		3	0		
OUT TO	1A	10' 04"	18	PVC		3	0		
INS	PECTED FRO	M SURFACE							
IN FROM	1A	09' 08"	16	CIP		3	0		
OUT TO	3	09' 09"	16	CIP		3	0		
INS	PECTED FRO	M SURFACE							
IN FROM	2	08' 06"	16	CIP		3	0		
OUT TO	4	08' 06"	16	CIP		3	0		
IN FROM	NNW	04' 06"	4	CIP	10	0.1	0		Inside drop
IN FROM	South	07' 09"	10	CIP	10	0.25	0.75		Tuberculation, very light mineral deposits at pipe connection
IN FROM	West	07' 07"	10	CIP	10	0.4	0		
IN FROM	3	08' 03"	16	CIP	10	3	0		Very light mineral deposits at pipe connection
OUT TO	5	08' 04"	16	CIP	10	3	0		
INS	PECTED FRO	M SURFACE							
IN FROM	4	10' 09"	16	CIP		3	0		
OUT TO	6	10' 10"	16	CIP		3	0		
INS	PECTED FRO	M SURFACE							
IN FROM	5	09' 02"	16	CIP	0	3	0		
OUT TO	7	09' 03"	16	CIP	0	3	0		
IN FROM	East	05' 03"	10	VCP	4	0.25	0		Pipe changes to 4" VCP at 1'
IN FROM	6	05' 08"	16	CIP	10	3	0		
OUT TO	8	05' 10"	16	CIP	10	3	0		
	IN FROM OUT TO IN FROM OUT TO IN FROM OUT TO IN FROM OUT TO IN FROM IN FROM IN FROM IN FROM OUT TO IN FROM OUT TO IN FROM OUT TO IN FROM OUT TO IN FROM OUT TO	IN FROM 1 OUT TO 2 IN FROM NE OUT TO 1A IN FROM 1A OUT TO 3 IN FROM 1A OUT TO 3 IN FROM 2 OUT TO 4 IN FROM 2 OUT TO 4 IN FROM South IN FROM 3 OUT TO 5 IN FROM 3 OUT TO 5 IN FROM 4 OUT TO 6 IN FROM 4 OUT TO 6 IN FROM 5 OUT TO 7 IN FROM 5 OUT TO 7	IN FROM NNE 10' 04" IN FROM 1 10' 04" OUT TO 2 10' 05" INSFECTED FROM SURFACE IN FROM NE 10' 03" OUT TO 1A 10' 04" INSFECTED FROM SURFACE IN FROM 1A 09' 08" OUT TO 3 09' 09" INSFECTED FROM SURFACE IN FROM 1A 09' 08" OUT TO 3 09' 09" INSFECTED FROM SURFACE IN FROM 2 08' 06" OUT TO 4 08' 06" OUT TO 5 08' 04" IN FROM South 07' 07" IN FROM 3 08' 03" OUT TO 5 08' 04" INSFECTED FROM SURFACE IN FROM 4 10' 09" OUT TO 5 08' 04" INSFECTED FROM SURFACE IN FROM 4 10' 09" OUT TO	Line Section Depth Diameter (Inches) IN FROM NNE 10' 04" 8 IN FROM 1 10' 04" 8 IN FROM 1 10' 04" 8 OUT TO 2 10' 05" 16 INSECTED FROM SURFACE IN FROM NE 10' 03" 18 OUT TO 1A 10' 04" 18 OUT TO 1A 09' 08" 16 OUT TO 3 09' 09" 16 OUT TO 3 09' 08" 16 OUT TO 3 08' 06" 16 OUT TO 4 08' 06" 16 OUT TO 4 08' 06" 16 OUT TO 4 08' 06" 16 OUT TO 5 08' 04" 16 IN FROM South 07' 07" 10 IN FROM 3 08' 03" 16 OUT TO 5 08' 04" 16 OUT TO	Line Section Depth Diameter (Inches) Pipe Material IN FROM NNE 10'04" 8 VCP IN FROM 1 10'04" 8 PVC OUT TO 2 10'05" 16 CIP INFROM NE 10'03" 18 PVC OUT TO 1A 10'04" 18 PVC OUT TO 1A 00'03" 18 PVC OUT TO 1A 09'08" 16 CIP OUT TO 3 09'09" 16 CIP OUT TO 3 09'08" 16 CIP OUT TO 4 08'06" 16 CIP OUT TO 4 08'06" 16 CIP IN FROM NNW 04'06" 4 CIP IN FROM South 07'07" 10 CIP IN FROM 3 08'03" 16 CIP IN FROM 3 08'03" 16 CIP </td <td>Line Section Depth Diameter (Inches) Pipe Material Length (Feet) IN FROM NNE 10'04" 8 VCP 4 IN FROM 1 10'04" 8 VCP 4 IN FROM 1 10'04" 18 PVC 13 OUT TO 2 10'05" 16 CIP 10 IN FROM NE 10'03" 18 PVC 14 OUT TO 1A 10'04" 18 PVC 14 OUT TO 1A 09'08" 16 CIP 14 OUT TO 3 09'09" 16 CIP 10 IN FROM 1A 09'08" 16 CIP 10 OUT TO 3 09'09" 16 CIP 10 IN FROM 2 08'06" 16 CIP 10 IN FROM South 07'07" 10 CIP 10 IN FROM 3 08'03" 16</td> <td>Line Section Depth Diameter (Inches) Pipe Material Length (Feet) Flow Depth (Inches) IN FROM NNE 10' 04" 8 VCP 4 0.5 IN FROM 1 10' 04" 18 PVC 13 4 OUT TO 2 10' 05" 16 CIP 10 3 INSFCTED FROM SURFACE Instruction 14 10' 04" 18 PVC 3 OUT TO 1A 10' 04" 18 PVC 3 3 OUT TO 1A 09' 08" 16 CIP 3 3 OUT TO 3 09' 09" 16 CIP 3 3 OUT TO 3 09' 08" 16 CIP 3 3 OUT TO 4 08' 06" 16 CIP 3 3 IN FROM NNW 04' 06" 4 CIP 10 0.25 IN FROM South 07' 07" 10 CIP 10</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>Line Section Depth Diameter (Inches) Pipe Material Length (Feet) Flow Depth (Inches) Depth (Inches) Leakage (Gpd) IN FROM NNE 10'04' 8 VCP 4 0.5 4 IN FROM 1 10'04' 18 PVC 13 4 0 OUT TO 2 10'05' 16 CIP 10' 3 0 IN FROM NE 10'03' 18 PVC 3 0 0 OUT TO 1A 10'04' 18 PVC 3 0 0 IN FROM 1A 09'08' 16 CIP 3 0 0 IN FROM 1A 09'08' 16 CIP 3 0 0 OUT TO 3 09'09' 16 CIP 3 0 0 IN FROM 2 08'06' 16 CIP 10 0.1 0 IN FROM South 77'09' 10 CIP<</td>	Line Section Depth Diameter (Inches) Pipe Material Length (Feet) IN FROM NNE 10'04" 8 VCP 4 IN FROM 1 10'04" 8 VCP 4 IN FROM 1 10'04" 18 PVC 13 OUT TO 2 10'05" 16 CIP 10 IN FROM NE 10'03" 18 PVC 14 OUT TO 1A 10'04" 18 PVC 14 OUT TO 1A 09'08" 16 CIP 14 OUT TO 3 09'09" 16 CIP 10 IN FROM 1A 09'08" 16 CIP 10 OUT TO 3 09'09" 16 CIP 10 IN FROM 2 08'06" 16 CIP 10 IN FROM South 07'07" 10 CIP 10 IN FROM 3 08'03" 16	Line Section Depth Diameter (Inches) Pipe Material Length (Feet) Flow Depth (Inches) IN FROM NNE 10' 04" 8 VCP 4 0.5 IN FROM 1 10' 04" 18 PVC 13 4 OUT TO 2 10' 05" 16 CIP 10 3 INSFCTED FROM SURFACE Instruction 14 10' 04" 18 PVC 3 OUT TO 1A 10' 04" 18 PVC 3 3 OUT TO 1A 09' 08" 16 CIP 3 3 OUT TO 3 09' 09" 16 CIP 3 3 OUT TO 3 09' 08" 16 CIP 3 3 OUT TO 4 08' 06" 16 CIP 3 3 IN FROM NNW 04' 06" 4 CIP 10 0.25 IN FROM South 07' 07" 10 CIP 10	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Line Section Depth Diameter (Inches) Pipe Material Length (Feet) Flow Depth (Inches) Depth (Inches) Leakage (Gpd) IN FROM NNE 10'04' 8 VCP 4 0.5 4 IN FROM 1 10'04' 18 PVC 13 4 0 OUT TO 2 10'05' 16 CIP 10' 3 0 IN FROM NE 10'03' 18 PVC 3 0 0 OUT TO 1A 10'04' 18 PVC 3 0 0 IN FROM 1A 09'08' 16 CIP 3 0 0 IN FROM 1A 09'08' 16 CIP 3 0 0 OUT TO 3 09'09' 16 CIP 3 0 0 IN FROM 2 08'06' 16 CIP 10 0.1 0 IN FROM South 77'09' 10 CIP<

Manhole Number	Line Secti	ion	Depth	Pipe Diameter (Inches)	Pipe Material	Joint Length (Feet)	Observed Flow Depth (Inches)	Observed Debris Depth (Inches)	Pipe Conn Leakage (Gpd)	Observations
8	INS	PECTED FRO	M SURFACE							
	IN FROM	7	05' 10"	16	CIP		6	0		
	OUT TO	9	05' 11"	16	CIP		6	0		
9	INS	PECTED FRO	M SURFACE							
	IN FROM	8	04' 04"	16	CIP		3	0		
	OUT TO	10	04' 05"	16	CIP		3	0		
10	INS	PECTED FRO	M SURFACE							
	IN FROM	West	06' 00"	8	PVC		0	0		
	IN FROM	9	06' 06"	16	CIP		6	0		
	OUT TO	11	06' 07"	16	CIP		6	0		
11	INS	PECTED FRO	M SURFACE							
	IN FROM	East	07' 05"	10	VCP		2	0		Light roots, missing mortar, mineral deposits at pipe connection
	IN FROM	West	07' 05"	10	VCP		0.25	0		Mineral deposits at pipe connection
	IN FROM	10	07' 07"	16	CIP		10	0		Mineral deposits and roots at pipe connection
	OUT TO	12	07' 08"	18	CIP		8	0		
12	INS	PECTED FRO	M SURFACE							
	IN FROM	11	07' 08"	18	CIP		8	0		
	OUT TO	13	07' 09"	18	CIP		8	0		
13	INS	PECTED FRO	M SURFACE							
	IN FROM	12	09' 04"	18	CIP		8	0		
	OUT TO	14	09' 05"	18	CIP		8	0		
14	INS	PECTED FRO	M SURFACE							
	IN FROM	13	08' 04"	18	CIP		6	0		
	OUT TO	15	08' 05"	18	CIP		6	0		
15	INS	PECTED FRO	M SURFACE							
	IN FROM	North	08' 07"	8	VCP		6	0		Slow flow
	IN FROM	14	08' 07"	18	CIP		6	0		
	OUT TO	16	08' 08"	18	CIP		8	0		

Manhole Number	Line Sect	ion	Depth	Pipe Diameter (Inches)	Pipe Material	Joint Length (Feet)	Observed Flow Depth (Inches)	Observed Debris Depth (Inches)	Pipe Conn Leakage (Gpd)	Observations
16	INS	PECTED FROM	I SURFACE							
	IN FROM	15	12' 06"	18	CIP		5	0		
	OUT TO	17	12' 07"	18	CIP		5	0		
17										
	IN FROM	SW	11' 07"	6	ACP	13	0.25	0		
	IN FROM	16	15' 05"	18	CIP	10	5	0		Moderate tuberculation
	OUT TO	18	15' 08"	18	CIP	10	5	0		Moderate tuberculation
18	INS	PECTED FROM	I SURFACE							
	IN FROM		12' 03"	18	CIP		9	0		
	OUT TO	19	12' 04"	18	CIP		9	0		
19	INS	PECTED FROM	I SURFACE							
	IN FROM	ESE	10' 02"	8	PVC		0.25	0		Inside drop
	IN FROM	NNE	08' 11"	8	PVC		0	0		Inside drop
	IN FROM	18	11' 01"	18	CIP		5	0		
	OUT TO	20	11' 02"	18	CIP		5	0		
20	INS	PECTED FROM	I SURFACE							
	IN FROM	19	07' 06"	18	CIP		6	0		
	OUT TO	21	07' 07"	18	CIP		6	0		
21	INS	PECTED FROM	I SURFACE							
	IN FROM	20	08' 09"	18	CIP		5	0		Fast flow
	OUT TO	22	08' 10"	18	CIP		5	0		Fast flow
22										
	IN FROM	East	05' 06"	8	PVC	13	0.1	0		Moderate tuberculation
	IN FROM	21	08' 00"	18	CIP	10	3.5	0		
	OUT TO	23	08' 02"	18	CIP	10	4.5	0		White colored flow, moderate tuberculation
23										
	IN FROM	22	06' 00"	18	CIP	10	7.5	0	144	Pipe connection leak, moderate tuberculation
	OUT TO	24	06' 02"	18	CIP	10	7	0	144	Pipe connection leak, moderate tuberculation

Manhole				Pipe Diameter	Pipe	Joint Length	Observed Flow Depth	Observed Debris Depth	Pipe Conn Leakage	
Number	Line Secti	on	Depth	(Inches)	Material	(Feet)	(Inches)	(Inches)	(Gpd)	Observations
24										
	IN FROM	SE	08' 02"	12	VCP		2.2	0		Pipe changes to 8" VCP at 1', service
	IN FROM	23	08' 08"	18	CIP	10	5.75	0		Moderate tuberculation
	OUT TO	25	08' 11"	18	CIP	10	7.75	2		Moderate tuberculation
25										
	IN FROM	24	04' 03"	20	CIP	10	8	0		Moderate tuberculation
	OUT TO	26	04' 05"	20	CIP	10	8	0		Moderate tuberculation
26										
	IN FROM	25	04' 04"	20	CIP		6	0		Moderate tuberculation
	OUT TO	27	04' 05"	20	CIP		6	0		Moderate tuberculation
27	INS	PECTED FROM	SURFACE							
	IN FROM	East	03' 00"	6	PVC		0	0		
	IN FROM	West	03' 10"	8	PVC		0	0		
	IN FROM	26	04' 11"	20	CIP		8	0		Tuberculation
	OUT TO	28	05' 00"	20	CIP		9.25	0		
29	INS	PECTED FROM	SURFACE							
	IN FROM	NNE	05' 11"	15	CIP		6	1		
	IN FROM	28	06' 03"	20	CIP		10	0.125		
	OUT TO	30	06' 04"	24	CIP		10	0.125		
30										
	IN FROM	29	04' 03"	24	CIP		9	0.75		Tuberculation
	OUT TO	31	04' 03"	24	CIP		9	0.75		Tuberculation
31	INS	PECTED FROM	SURFACE							
	IN FROM	30	04' 07"	24	CIP		8	0		Tuberculation
	OUT TO	32	04' 08"	24	CIP		8	0		
32										
	IN FROM	31	05' 02"	24	CIP	10	7.5	0		Heavy tuberculation
	IN FROM	44A	04' 03"	15	ACP	13	1.7	0		Missing mortar at pipe connection
	OUT TO	33	05' 02"	24	CIP	10	7.7	0		Heavy tuberculation

Manhole				Pipe Diameter	Pipe	Joint Length	Observed Flow Depth	Observed Debris Depth	Pipe Conn Leakage	
Number	Line Secti	ion	Depth	(Inches)	Material	(Feet)	(Inches)	(Inches)	(Gpd)	Observations
33										
	IN FROM	32	04' 06"	24	CIP		7.5	0		Tuberculation
	OUT TO	34	04' 07"	24	CIP		7.5	0		Tuberculation
34										
-	IN FROM	33	04' 04"	24	CIP		9	0		Tuberculation, Lower than outgoing line
	OUT TO	35	04' 00"	24	CIP		9	0		Tuberculation
36										
50	IN FROM	35	04' 05"	24	CIP	10	9	0		Tuberculated 1"
	OUT TO	37	04' 08"	24	CIP	10	9	0		Tuberculated 1"
27										
37	IN FROM	36	04' 05"	24	CIP	10	9	0		Tuberculated 1"
	OUT TO	SE	04 03 03' 03"	8	CIP	10	9 0	0		Valved off at 48"
	OUT TO	38	04' 06"	24	CIP	10	9	0		Tuberculated 1"
38					-	-	-			
30	IN FROM	37	04' 09"	24	CIP	10	9	0		Tuberculated
	OUT TO	39	04 00 04' 10"	24	CIP	10	9	0		Tuberculated
			0.10		•		,	0		
39	IN FROM	38	07' 05"	24	CIP	10	9	0		Tuberculated 1"
	OUT TO	30 40	07 05 07' 07"	24 24	CIP	10	9 10	0		Tuberculated 1"
	00110	40	01 01	24	CII	10	10	0		
40A					015					
	IN FROM	40	07' 02"	24	CIP	10	11	0		Tuberculated 1"
	OUT TO	41	07' 04"	24	CIP	10	11	0		
40										
	IN FROM	39	05' 10"	24	CIP	10	9	0		Heavy tuberculation 1"
	OUT TO	40A	05' 11"	24	CIP	10	9	0		Tuberculated 1"
41										
	IN FROM	SW	08' 08"	16	PVC	13	8.5	0		
	IN FROM	40A	09' 07"	24	CIP	10	14	3.5		Moderate grease
	OUT TO	42	09' 08"	24	CIP	10	14	2.5		Moderate grease

Manhole Number	Line Secti	on	Depth	Pipe Diameter (Inches)	Pipe Material	Joint Length (Feet)	Observed Flow Depth (Inches)	Observed Debris Depth (Inches)	Pipe Conn Leakage (Gpd)	Observations
42	INS	PECTED FRO	OM SURFACE							
	IN FROM	41	19' 10"	24	CIP		13	0		
	OUT TO	43	19' 11"	24	CIP		13	0		
43	INS	PECTED FRC	OM SURFACE							
	IN FROM	East	04' 07"	6	PVC		0.1	0		Inside drop
	IN FROM	ESE	02' 11"	6	PVC		0.1	0		Inside drop
	IN FROM	SSE	12' 02"	8	PVC		3	0		Inside drop
	IN FROM	42	44' 02"	24	CIP		10	0		
	OUT TO	44	44' 02"	24	CIP		10	0		
44A	INS	PECTED FRC	OM SURFACE							
	IN FROM	NE	03' 05"	15	ACP		5	0		
	IN FROM	NW	02' 06"	4	ACP		0.1	0		Moderate roots at pipe connection
	OUT TO	32	03' 05"	15	ACP		5	0		
44										
	IN FROM	43	46' 03"	24			9	0		Manhole frame at crown level obscures view into pipe, could not lamp pipe
	OUT TO	45	46' 03"	24			9	0		Manhole frame at crown level obscures view into pipe, could not lamp pipe
46A	INS	PECTED FRO	OM SURFACE							
	IN FROM	East	17' 00"	12	VCP		1	0		Inside drop
	IN FROM	46	18' 04"	24	RCP		6	0		
	OUT TO	47	18' 05"	24	RCP		6	0		
46	INS	PECTED FRC	OM SURFACE							
	IN FROM	45	20' 06"	24	VCP		6	0		
	OUT TO	46A	20' 07"	24	VCP		6	0		
47A	INS	PECTED FRC	OM SURFACE							
	IN FROM	SSE	05' 00"	4	PVC		0	0		
	IN FROM	47	07' 05"	24	VCP		6	0		
	OUT TO	48	07' 06"	24	VCP		6	0		
47	INS	PECTED FRC	M SURFACE							
	IN FROM	46A	14' 10"	24	RCP		6	0		
	OUT TO	47A	14' 11"	24	VCP		6	0		

Manhole				Pipe Diameter	Pipe	Joint Length	Observed Flow Depth	Observed Debris Depth	Pipe Conn Leakage	
Number	Line Secti	ion	Depth	(Inches)	Material	(Feet)	(Inches)	(Inches)	(Gpd)	Observations
48										
	IN FROM	47A	05' 02"	24	VCP	4	6	0		Roots at all joints
	OUT TO	49	05' 03"	24	VCP	4	6	0		Very light roots
49	INS	PECTED FRO	M SURFACE							
	IN FROM	48	09' 08"	24	VCP		6	0		
	OUT TO	50	09' 09"	24	VCP		6	0		
50										
	IN FROM	49	09' 04"	24	VCP	4	7	0		Very light roots at second joint
	OUT TO	51.1	09' 05"	24	VCP	4	7	0		
51										
	IN FROM	51.1	15' 01"	24	VCP	4	6	0		
	OUT TO	52	15' 02"	24	RCP	4	6	0		
51.1										
	IN FROM	50	04' 05"	24	VCP	4	7	0		Very light roots at all joints except second joint which has moderate roots
	OUT TO	51	04' 06"	24	VCP	4	7	0		Very light roots at all joints
52	INS	PECTED FRO	M SURFACE							
	IN FROM	East	12' 05"	12	VCP	4	1	0		Inside drop
	IN FROM	51	14' 07"	24	RCP	4	6	0		
	OUT TO	53	14' 08"	24	RCP	4	6	0		

The following is a summary based on the entire SubSystem selected (Common, Combined and Sanitary)

INSPECTED FROM SURFACE	30
INTERNAL INSPECTION	25
COULD NOT LOCATE	4
TOTAL MANHOLES IN SUBSYSTEM:	59

Manhole Inspection Logs

Flow A	ssess	sment Se	ervices	†									
Municipality: Franklin,Ma										Ма	nhole No.:	1	N
Street:		Cottage Stre	ossi Autom	notive					Sub	o-System:	N/A		
Inspection	Date:	5/9/2013		Inspe	ctor:	EM/RV	F	Prefix #:					+NE
Weather:		CLEAR		Temp	:	0		Fime:	14:12				-1A
COVER CHARACTERISTICS / COMMENT Buried: CNL: CNI: CNI:			-	CO inage A		-OW PO1	ENTIAL				QTY SIZE (In)		
Grade:	AT		In.	3	3 X	3 2	K 0.9	=	8.1 (SQF)	Г) Но	les In Cover	2 1	· • •
				Dra	inage A		(if applica	,					
					Х		X 0.3	=	(SQFT	-)			13 Ft. to DS MH #: 1A
General Comments:													
INTERNAL				ening Dia	.: 23	3.75 In.	In	side Frame D	ia.: 25.88 In.	A Deside a second MA			
ITEM		MATERIAL C			CONDITION Leaks (gpm) Photo				0	DEFEC	TS		
FRAME	CAST			1									A CARACTER AND A
CORBEL	BRICK	ζ.		1									
STEPS	VINYL	COATED		1									
WALLS	PREC	AST		1									
FLOOR	BRICK	/PARGED		1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ntly:		Feet	Marks To):	Feet		Ville W/ seesman
LINE CON	DITION	S	Dim Te	Pipe			Flow	Debris	Pipe s Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)	1	onnect VIH #	Rim To Invert Depth	Dia. Dia.	Pipe Material	Joint Length	Depth	Depth (In.)	Leak	Photo	Cond		Line Comments
IN FRO	NE		10' 03"	18	PVC		3.00	0			0		
Ουτ το	1A		10' 04"	18	PVC		3.00	0			0		

Flow A	ssess	sment S	1											
Municipali	ty:	r: Franklin,Ma).: 1A		N
Street:		Cottage Street S.C. Rossi Automotive									System:	N/A	۱	
Inspection	Date:	5/9/2013		Insp	ector:	EM/RV	F	Prefix #:		-				+NNE
Weather:		CLEAR		Tem		0	_		14:03	-				
COVER CHARACTERISTICS / COMMENT														
-	_	: CNI:			ainage /								TY SIZE (In)	
Grade:	AT		In.		3 X		0.0		3.1 (SQFT) Hole	s In Cove	r	2 1	• •
				Dr	ainage / X		if applica (0.3	,	(SQFT)				23 Ft. to DS MH #: 2
General Comments	:													
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Ope	ening Dia	a.: 23.	.75 In.	Insi	de Frame	Dia.:	25.88 In.	
ITEM		MATERIAL			ITION	Leaks (gpm)	Photo		D	EFECTS	;			
FRAME	CAST			1										
CORBEL	BRICK			1										
STEPS	STEEL	-		2	!			Corroded						State and a second second
WALLS	BRICK			1										
FLOOR	BRICK	/PARGED		1										
INVERT	BRICK			2	2			Holding 4'	of debris					
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:		Feet	Marks To	:	Fe	et		ILOW_SSESSMENT
LINE CON	DITIONS	S	Rim To	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
IN FRO	NNE		10' 04"	8	VCP	4	0.50	4.00			1			
IN FRO	1		10' 04"	18	PVC	13	4.00	0			1	Slow flo	W	
Ουτ το	2		10' 05"	16	CIP	10	3.00	0			1			

Flow A	ssess	sment Se	ervices,	LLC. Stru	ucture I	nspec	tion L	og		✓ Surfac	ce 🗌 Internal	
Municipali	ty:	Franklin,Ma							Ma	nhole No.:	2	N
Street: Cottage Street at Union St				Street					Sub	-System:	N/A	
Inspection	Date:	5/9/2013		Inspector:	EM/RV	P	Prefix #:					+1A
Weather:		CLEAR		Temp:	0	1	Time:	14:38				
COVER C	HARAC	TERISTICS /	COMMENT	TS COVER INFLOW POTENTIAL								
-		: 🗌 CNI:		Drainage							QTY SIZE (In)	
Grade:			ln.	3 X		0.9		3.1 (SQFT) Hol	es In Cover		
Cracked pa	avement	surrounding	frame	_	Area 2: (,					
				>		(0.3	-	(SQFT)			202 Ft. to DS MH #: 3
General Comments:												
INTERNAL	MANHO	OLE OBSER	VATIONS		Clear Ope	ening Dia	.: 20.	88 In.	Ins	side Frame Di	a.: 23.75 In.	
ITEM		MATERIAL		CONDITION	ONDITION Leaks (gpm) Photo				DEFECT	s		
FRAME	CAST			1								
CORBEL	BRICK	(1								
STEPS	STEEL	-		2			Corroded					
WALLS	BRICK	<u> </u>		1								
FLOOR	BRICK	/PARGED		1								
INVERT	BRICK			1								
Surcharg	e From	Invert:	NONE EVI	DENT Curr	ently:	F	eet	Marks To	:	Feet		Intervieweessmenn
LINE CON	DITION	S	Dim Ta	Dino		Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. Pipe (In.) Materi		Depth	Depth (In.)	Leak (gpm)	Photo	Cond		Line Comments
· /	1A		09' 08"	16 CIF		3.00	0			0		
Ουτ το	3		09' 09"	16 CIF	0	3.00	0			0		

Flow A	ssess	sment Se	ervices,	, LLC. Stru	ucture	Inspec		✓ Surfac	ce 🗌 Internal	1		
Municipali	ty:	Franklin,Ma							Ма	nhole No.:	3	N
Street:		Cottage Stre	Aubuchon Hard	dware				_	o-System:	N/A		
Inspection	Date:	5/9/2013		Inspector:	EM/RV	F	Prefix #:					
Weather:		CLEAR		Temp:	0	-	Time:	15:20				
COVER CHARACTERISTICS / COMMENTS			rs c	OVER INFI	LOW POT	ENTIAL						
Buried:	CNL	: 🗌 CNI:		Drainage							QTY SIZE (In)	
Grade:	BELOW	1	2.5 In.	10 X		K 0.9		5.0 (SQF1) Ho	les In Cover		• + •
				Drainage		(if applica		(a				
)	(X 0.3	=	(SQFT)			212 Ft. to DS MH #: 46
General Comments:												
INTERNAL	MANHO	OLE OBSER	T	Clear Op	ening Dia	.: 20	.75 In.	In	side Frame Di	ia.: 23.63 In.	Martin and Car	
ITEM		MATERIAL		CONDITION	Leaks (gpm)	Photo		C	EFEC	rs		THE REAL
FRAME	CAST			1								
CORBEL	BRICK			1								
STEPS	STEEL	-		2			Corroded					
WALLS	BRICK			1								
FLOOR	BRICK	/PARGED		1								
INVERT	BRICK			1								
Surcharg	e From	Invert:	NONE EVI	DENT Cur	ently:		Feet	Marks To	:	Feet		12Levu/ssessmem
LINE CON	DITIONS	S	D	Dine		Flow	Debrie	Pipe		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. Pipe (In.) Mater		Flow Depth n (In.)	Debris Depth (In.)	Conn Leak (gpm)	Photo	Cond		Line Comments
IN FRO	2		08' 06"	16 CIF		3.00	0			0		
Ουτ το	4		08' 06"	16 CI		3.00	0			0		

Flow A	ssess	ment S	ervices	, LLC	. Strue	cture Ir	nspec	tion L	og		Sur	face	Internal	†
Municipali	ity: Franklin,Ma Manhole No													N -5
Street:		Cottage Street at Saxon Street Sub-System										N/A	۹	+NNW
Inspection	Date:	5/9/2013		Ins	pector:	EM/RV	Р	refix #:						
Weather:		CLEAR		Ten	ıp:	0	т	ime:	15:27					+West - +3
COVER C	HARAC	TERISTICS		тѕ	CO	VER INFL	OW POT	ENTIAL						
	CNL:			D	rainage A								TY SIZE (In)	
Grade:	BELOW	,	3 In.		10 X	5 X	0.9 :	= 45	.0 (SQF1	⁻) Ho	les In Cover	r		• + •
Cracked pa	avement	surrounding	frame	D	Drainage Area 2: (if applicable)									+South
					Х	х	0.3 :	=	(SQFT)				201 Ft. to DS MH #: 5
General Comments	::									<u> </u>				
INTERNAL	MANHO	DLE OBSER	VATIONS		(Clear Ope	ning Dia	.: 21.:	25 In.	In	side Frame	Dia.:	23.75 In.	A A A A A A A A A A A A A A A A A A A
ITEM		MATERIAL	-	CON	DITION	Leaks (gpm)	Photo		0	DEFECT	rs			1- Marine Constant
FRAME	CAST				1									
CORBEL	BRICK	K/PARGED 2 Missing mortar, loose pieces												
STEPS	STEEL	-			2		Corroded							
WALLS	BRICK	/PARGED			2			Very light r	nineral dep	osits				
FLOOR	BRICK	/PARGED			1									
INVERT	BRICK				1									
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ntly:	F	eet	Marks To	:	Fee	et		HUOVAUSSESSMERT
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		nnect /H#	Invert Depth	Dia. (In.)	Pipe Material	Joint Length	Depth (In.)	Depth (In.)	Leak (gpm)	Photo	Cond			Line Comments
	NNW		04' 06"	4	CIP	10	0.10	0				Inside o	Irop	
IN FRO	South		07' 09"	10	CIP	10	0.25	0.75			2	Tuberci	ulation. verv lial	ht mineral deposits at pipe connection
_													, , , , ,	
IN FRO	West		07' 07"	10	CIP	10	0.40	0			1			
IN FRO	3		08' 03"	16	CIP	10	3.00	0			1	Very lig	ht mineral depo	osits at pipe connection
Ουτ το	5		08' 04"	16	CIP	10	3.00	0			1			

Flow A	ssess	sment Se	ervices,	LLC.	Stru	cture	Inspec	tion L		🗸 Su	rface 🗌 Inte	ernal	†	
Municipali	ty:	Franklin,Ma								Man	hole No	5		N -6
Street:		Saxon Stree	t							Sub-	System:	N/A		
Inspection	Date:	5/9/2013		Inspe	ctor:	EM/RV	F	Prefix #:						
Weather:		CLEAR		Temp	:	0		Time:	16:03					-{ }-
COVER CHARACTERISTICS / COMMENTS			rs	COVER INFLOW POTENTIAL										
-		: 🗌 CNI:			-	Area 1:				_		QTY SIZ	ΣE (In)	
Grade:			In.		3 X		X 0.9		3.1 (SQF)) Hole	s In Cove	r 2	1	
Cracked pa	avement	surrounding	frame	Dra	-		(if applica		(0057					+4
_					Х		X 0.3	=	(SQF1)				151 Ft. to DS MH # : 6
General Comments:														
INTERNAL	MANHO		VATIONS			Clear Op	ening Dia	a.: 20	0.5 In.	Insi	ide Frame	Dia.: 26.13	In.	
ITEM		MATERIAL	CONDI	TION	Leaks (gpm)	Photo		Γ	EFECTS	6				
FRAME	CAST			1										
CORBEL	BLOC	к		1										
STEPS	STEEL	_		2				Corroded						
WALLS	BRICK	< Comparison of the second sec		1										
FLOOR	BRICK			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EVI	DENT	Curre	ently:		Feet	Marks To	:	Fe	et		LALLOVU/ASSESSMENT
LINE CON	DITION	s	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image I	Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Lengtl	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
IN FRO	4		10' 09"	16	CIP		3.00	0			0			
Ουτ το	6		10' 10"	16	CIP		3.00	0			0			

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture I	nspec	tion L	og		Surf	ace 🗌 Inte	ernal	▶
Municipali	ty:	Franklin,Ma								Mar	hole No.	: 6		N -7
Street:		Saxon Stree	t Easeme	nt In front c	of Frank	lin Paint				_	System:	N/A		
Inspection	Date:	5/9/2013		Inspec	ctor:	EM/RV	F	Prefix #:						
Weather:		CLEAR		Temp:	:	0	1	Time:	15:41	- 11				-{ }-
	-	TERISTICS / .: CNI:		-	CO inage A	VER INFL Area 1:	OW POT	ENTIAL				QTY SI	ZE (ln)	
Grade:	AT		In.	3	Х	3 💙	0 .9	= 8	.1 (SQF 1	T) Hole	es In Cover			
				Drai	inage A		(if applica	,						+5
					Х		X 0.3	=	(SQFT)				171 Ft. to DS MH #: 7
General Comments	5:													
INTERNAL	MANH	OLE OBSER	VATIONS			Clear Ope	ening Dia	.: 20.	75 In.	Ins	ide Frame	Dia.: 23.25	In.	
ITEM		MATERIAL		CONDI	ΓΙΟΝ	Leaks (gpm)	Photo		[DEFECT	5			1111 M
FRAME	CAST			1										
CORBEL	BRICK	(1										
STEPS	STEEL	L		2				Corroded						
WALLS	BRICK	<		1										
FLOOR	PARG	ED/BRICK		1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ntly:	F	eet	Marks To):	Fee	et		LILLOW/USIPESSITUM
LINE CON	DITION	s	Dim To	Pipe			Flow	Debris	Pipe Conn		Line	Image	Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Dia.	Pipe Material	Joint Length	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
IN FRO	5		09' 02"	16	CIP	0	3.00	0			0			
Ουτ το	7		09' 03"	16	CIP	0	3.00	0			0			

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture I	nspec	tion L	og		Su	rface	Internal	1
Municipali	ty:	Franklin,Ma								Mai	nhole No).: 7		N -8
Street:		Saxon Stree	t Easeme	nt In rear	of Frank	lin Paint				_	-System:	N/A	\	
Inspection	Date:	5/9/2013		Inspe	ector:	EM/RV	F	Prefix #:		- 11				
Weather:		CLEAR		Temp		0	-		15:54	- 11				+East
Buried:	-	TERISTICS / :		Dra	CC ainage 3 X		. OW POT		3.1 (SQF)	Г) Hol	es In Cove		TY SIZE (In) 2 1	
				Dra	ainage		(if applica			_				+6
					X		X 0.3	=	(SQF1	F)				Ft. to DS MH #:
General Comments														
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Ope	ening Dia	a.: 20.	.25 In.	Ins	side Frame	Dia.:	26.88 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		[DEFECT	s			1 / A MANNER AND
FRAME	CAST			1										1 Alexandream and the second
CORBEL	BRICK	(1										
STEPS	STEEL	_/BRICK		3				Corroded						
WALLS	BRICK	<u> </u>		1										A AND DESCRIPTION
FLOOR	BRICK			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:		Feet	Marks To):	Fe	et		HUOVA USBESSING
LINE CON	DITIONS	S	Rim To	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth	Depth (In.)	Leak (gpm)	Photo	Cond			Line Comments
· · ·	East		05' 03"	10	VCP	- J.	0.25	0			1	Pipe ch	anges to 4" VC	P at 1'
IN FRO	6		05' 08"	16	CIP	10	3.00	0			1			
Ουτ το	8		05' 10"	16	CIP	10	3.00	0			1			

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture l	nspec	tion L	og		✓ Su	rface	Internal	1
Municipali	ty:	Franklin, MA	۱							Ma	nhole No	o.: 8		N
Street:		Cottage Stre	et R.O.W.								-System:	N//	۹	
Inspection	Date:	5/10/2013		Inspe	ector:	GW/JS		Prefix #:						
Weather:		CLEAR		Temp) :	0		Time:	12:57					
COVER C	HARAC	TERISTICS /	COMMEN	ITS	со	VER INFI	OW PO	ENTIAL						
_		: 🗌 CNI:			ainage A								TY SIZE (In)	
Grade:	AT		ln.		2 X		(0.9		3.6 (SQF1	T) Hol	es In Cove	r		+7
				Dra	•		(if applica		(0057	_				
					Х		X 0.3	=	(SQFT)				Ft. to DS MH #:
General Comments	5:													
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	a.:	In.	Ins	side Frame	Dia.:	In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		0	DEFECT	S			MARK TOTOLS
FRAME	CAST			2				Corroded	l					
CORBEL	BRICK	(2				Missing n	nortar					
STEPS	STEEL	-		2				Corroded	l					
WALLS	BRICK	(2				Wet to 2'	, mineral dep	osits				
FLOOR	BRICK	/PIP		2				Mineral d	eposits					
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ntly:		Feet	Marks To):	Fe	et		HUOWAVSRSSMENT
LINE CON	DITIONS	s	Dim To	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VH #	Rim To Invert Depth	Dia. (In.)	Pipe Materia	Joint Length	Depth	Depth (In.)		Photo	Cond			Line Comments
IN FRO	7		05' 10"	16	CIP		6.00	0			0			
Ουτ το	9		05' 11"	16	CIP		6.00	0			0			

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture	Inspec	tion	Log		✓ S	urfac	e 🗌 Inte	ernal	†
Municipali	ty:	Franklin,Ma								M	lanhole N	lo.:	9		N -10
Street:		Fisher Stree	t Easemer	nt						S	ub-System:	I	N/A		
Inspection	Date:	5/10/2013		Inspe	ector:	EM/RV		Prefix #:	:						
Weather:		CLEAR		Temp) :	0		Time:	8:09						
COVER C	HARAC	TERISTICS /	COMMEN	ITS	со	VER INF		ENTIAL	_						
L		: 🗌 CNI:			ainage A								QTY SIZ	ZE (In)	
Grade:	AT		In.		3 X		K 0.3		2.7 (SQF	т) н	Ioles In Cov	/er			
				Dra	-		(if applica			_					+8
	_				Х		X 0.3	=	(SQF	т)					Ft. to DS MH #:
General Comments															
INTERNAL	MANHO	DLE OBSER	VATIONS			Clear Op	ening Dia	a.: 2	21.13 In.		Inside Fran	ne Dia	a.: 23.63	In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo			DEFE	стѕ				R.S. Darks
FRAME	CAST			2				Corrode	ed						
CORBEL	BRICK			1											
STEPS	NONE			0											
WALLS	BRICK			1											
FLOOR	BRICK	/PARGED		1											
INVERT	BRICK			1											A CARL MADE
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:		Feet	Marks T	o:		Feet			riquinse amon
LINE CON	DITIONS	5		Dime			E	Daha	Pipe		1		Image	Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Lengtl	Flow Depth n (In.)	Debri Dept (In.)	h Leak	Pho	Line Cond oto 1-5				Line Comments
IN FRO	8		04' 04"	16	CIP		3.00	0			0				
Ουτ το	10		04' 05"	16	CIP		3.00	0			0				

Flow As	ssess	sment Se	ervices	, LLC	. Stru	icture l	Inspec	tion L	og		✓ Sur	face [Internal	†
Municipali	ty:	Franklin, MA	١							Mar	nhole No	: 10		N -11
Street:		Cottage Stre	et R.O.W							-	System:	N/A		
Inspection	Date:	5/10/2013		Insi	pector:	GW/JS		Prefix #:		- 11				
Weather:		CLEAR		Ten		0	-		12:35	- 11				+West
COVER C Buried:	-	TERISTICS /		ITS		OVER INFI Area 1:		ENTIAL	3.6 (SQFT) Hole	es In Cover		Y SIZE (In) 2 1	
				D	rainage		(if applica		•	-				
					X		X 0.3		(SQFT)				172 Ft. to DS MH #: 11
General Comments														
INTERNAL	MANHO	DLE OBSER	VATIONS	_		Clear Op	ening Dia	a.:	In.	Ins	side Frame	Dia.:	0 In.	a strange
ITEM		MATERIAL		CON	DITION	Leaks (gpm)	Photo		D	EFECT	s			and the second s
FRAME	CAST				1									All
CORBEL	BLOCH	<			1									
STEPS	NONE				0									
WALLS	BRICK				2			Roots, mi	neral deposit	s				
FLOOR	BRICK				2			Loose pie	ces roots					
,														
INVERT	BRICK	/PIP			2			Loose pie	ces					
Surcharg			NONE E	/IDENT	Curre	ently:		Feet	Marks To	:	Fee	et		IELOW/USSESSMENT
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Pipe Conn		Line		mage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect /IH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint al Length	Depth n (In.)	Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
	West		06' 00"	8	PVC	- J-	0	0			0			
IN FRO	9		06' 06"	16	CIP		6.00	0			0			
Ουτ το	11		06' 07"	16	CIP		6.00	0			0			

Flow A	ssess	sment S	ervices	s, LLC	. Stru	cture l	nspec	tion L	og		✓ Su	rface 🗌 Internal	1
Municipali	ty:	Franklin, M	A							Man	nhole No	o.: 11	N -12
Street:		Fisher Stree	et at Sugar	beet Roa	d					_	System:	N/A	
Inspection	Date:	5/10/2013		Insp	ector:	GW/JS	F	Prefix #:					
Weather:		CLEAR		Tem		0	1	lime:	12:20				+West - +East
		TERISTICS			CC ainage	OVER INFI Area 1:	OW POT	ENTIAL				QTY SIZE (In)	
-	BELOW		0.5 In.		2 X	2	(0.9	= :	3.6 (SQFT) Hole	es In Cove		\sim
				Dr	ainage	Area 2:	(if applica	ble)					+10
					3 X	3	X 0.3	= 2	2.7 (SQFT)			192 Ft. to DS MH #: 12
General Comments	5:												
INTERNAL	MANHO	DLE OBSER	VATIONS			Clear Op	ening Dia	ı.:	In.	Ins	ide Frame	Dia.: 0 In.	
ITEM		MATERIAL	-	COND	ITION	Leaks (gpm)	Photo		D	EFECTS	S		
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	STEEL	-		2	2			Corroded					
WALLS	BRICK			3	3			Mineral de	eposits, roots	s, wet to 3	i'		
FLOOR	BRICK			1									
INVERT	BRICK			2	2			Missing m	ortar				
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:	F	Feet	Marks To		Fe	et	HUOWASSESSMENT
LINE CON	DITIONS	6	D'	Dine			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	East		07' 05"	10	VCP		2.00	0			0	Light roots, missing mo	ortar, mineral deposits at pipe connection
IN FRO	West		07' 05"	10	VCP		0.25	0			0	Mineral deposits at pip	e connection
IN FRO	10		07' 07"	16	CIP		10.00	0			0	Mineral deposits and ro	pots at pipe connection
Ουτ το	12		07' 08"	18	CIP		8.00	0			0		

Flow A	ssess	sment Se	ervices,	, LLC. Str	ucture	Inspec	tion L	.og		✓ Surfa	ce 🗌 Internal	1
Municipali	ty:	Franklin, MA							Mar	hole No.:	12	N -13
Street:		131 Fisher S	street						-	System:	N/A	
Inspection	Date:	5/10/2013		Inspector:	GW/JS		Prefix #:					
Weather:		CLEAR		Temp:	0		Time:	12:15				-{ }-
		TERISTICS / : CNI:			OVER INF e Area 1:	LOW PO	ENTIAL				QTY SIZE (In)	
Grade:	ABOVE		0.1 In.	2	(2	X 0.9	-	3.6 (SQFT) Hole	es In Cover		
				Drainag	e Area 2:	(if applica	ble)					+11
					X	X 0.3	=	(SQFT))			193 Ft. to DS MH #: 13
General Comments	s:											
INTERNAL	MANHO	OLE OBSER	ATIONS			ening Dia	a.:	In.	Ins	ide Frame D	ia.: 0 In.	1 1 Car and the second second
ITEM		MATERIAL		CONDITION	Leaks (gpm)	Photo		D	EFECT	S		
FRAME	CAST			1								
CORBEL	BRICK	/PARGED		1								
STEPS	STEEL	-		2			Corroded					
WALLS	BRICK	/PARGED		2			Wet to 3',	mineral depo	osits			
FLOOR	BRICK	/PARGED		1								
INVERT	BRICK			1								
Surcharg	e From	Invert:	NONE EVI	IDENT Cu	rently:		Feet	Marks To:	:	Feet		International Action of the Ac
LINE CON	DITION	S	Dim Ta	Dino		Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)	I	onnect MH #	Rim To Invert Depth	Pipe Dia. Pip (In.) Mate		Depth	Debris Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	11		07' 08"	18 CI	P	8.00	0			0		
Ουτ το	13		07' 09"	18 CI	P	8.00	0			0		

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	ction L	og		✓ Sur	face	Internal	1
Municipali	ty:	Franklin, MA	۱.							Ма	nhole No	: 13		N -14
Street:		129 Fisher S	Street								o-System:	N/A	L	
Inspection	Date:	5/10/2013		Inspe	ector:	GW/JS		Prefix #:		- 11				
Weather:		CLEAR		Temp):	0		Time:	12:12					
COVER C	HARAC	TERISTICS /		-		VER INF	LOW PO	TENTIAL						
_		: 🗌 CNI:			ainage /								TY SIZE (In)	
Grade:	AT		ln.		2 X		X 0.9		3.6 (SQF)) Ho	les In Cover			
				Dra	•		(if applica	,	(0.0.77					+12
					Х		X 0.3	=	(SQF1)				188 Ft. to DS MH #: 14
General Comments	:													
INTERNAL	MANHO	OLE OBSERV	ATIONS			Clear Op	ening Dia	a.:	In.	In	side Frame	Dia.:	0 In.	
ITEM		MATERIAL		COND		Leaks (gpm)	Photo		[EFEC	тs			The same and the
FRAME	CAST			1										
CORBEL	BRICK	/PARGED		2				Loose pie	eces					
STEPS	STEEL	_		3				Corroded	l					
WALLS	BRICK	/PARGED		2				Mineral d	eposits					
FLOOR	BRICK	/PARGED		2				Mineral d	eposits					
INVERT	BRICK	/PARGED		1										
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:		Feet	Marks To	:	Fee	et		HUOVY USBSSMAM
LINE CON	DITIONS	s	Rim To	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VH #	Invert Depth	Dia. Dia.	Pipe Materia	Joint I Lengtl	Depth	Depth (In.)		Photo	Cond			Line Comments
IN FRO	12		09' 04"	18	CIP		8.00	0			0			
Ουτ το	14		09' 05"	18	CIP		8.00	0			0			

Flow A	ssess	sment Se	ervices,	LLC. Str	ucture	Inspec	ction L	og		✓ Surface	ce 🗌 Internal	1
Municipali	ty:	Franklin, MA	N .						Man	hole No.:	14	N -15
Street:		121 Fisher S	Street							System:	N/A	
Inspection	Date:	5/10/2013		Inspector:	GW/JS		Prefix #:					
Weather:		CLEAR		Temp:	0		Time:	12:07				-{ }-
COVER C	HARAC	TERISTICS /	COMMENT	rs (OVER INF	LOW PO	FENTIAL					
L	CNL			-	e Area 1:	V					QTY SIZE (In)	
Grade:	ABOVE		0.1 ln.	2 Droinog		X 0.9		3.6 (SQFT) Hole	s In Cover		+13
				_	X	(if applica X 0.3	,	(SQFT				180 Ft. to DS MH # : 15
General								(0 4	,			
Comments							_					
INTERNAL	. MANHO	OLE OBSER	VATIONS		-	pening Dia	a.:	In.	Insi	ide Frame Di	ia.: 0 In.	- ALAN AND AND AND AND AND AND AND AND AND A
ITEM		MATERIAL		CONDITION	Leaks (gpm)	Photo		D	EFECTS	5		Million All Roberts
FRAME	CAST			1								
CORBEL	BRICK	/PARGED		1								
STEPS	STEEL	_		2			Corroded					
WALLS	BRICK	/PARGED		2			Mineral d	eposits				
FLOOR	PARG	ED		1								
INVERT	BRICK			1								
Surcharg	e From	Invert:	NONE EVI	DENT Cu	rently:		Feet	Marks To		Feet		ELEVUL VARIANTE T
LINE CON								Pipe			Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Pipe Dia. Pip (In.) Mate			Debris Depth (In.)	Conn Leak (gpm)	Photo	Line Cond 1-5	-	Line Comments
IN FRO	13		08' 04"	18 C	P	6.00	0			0		
Ουτ το	15		08' 05"	18 C	P	6.00	0			0		

Flow A	ssess	sment Se	ervice	s, LLC	. Stru	icture I	nspec	tion L	og		🗸 Sur	face 🗌 Internal	†
Municipali	ty:	Franklin, MA	ł							Man	hole No	15	N +North
Street:		Hayward Str	reet at Fis	her Street						_	system:	N/A	
Inspection	Date:	5/10/2013		Insp	ector:	GW/JS	F	Prefix #:		- 11			
Weather:		CLEAR		Tem		0	-		11:55	-			-16
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	CC	OVER INFL	OW PO	ENTIAL					
Buried:				Dr	-	Area 1:						QTY SIZE (In)	
Grade:	ABOVE		0.25 In.		2 X	2 X	0.9	= 3	3.6 (SQFT) Holes	s In Cover		• + •
				Dr	•		(if applica						+14
					Х		X 0.3	=	(SQFT)			176 Ft. to DS MH #: 16
General Comments	:												
INTERNAL	MANHO	DLE OBSER	VATIONS	;		Clear Ope	ening Dia	a.:	In.	Insid	de Frame	Dia.: 0 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		D	EFECTS			A Providence of the
FRAME	CAST			1									
CORBEL	BRICK	/PARGED		1									
STEPS	STEEL	-		2	2			Corroded					
WALLS	BRICK	/PARGED		2	2			Mineral de	eposits, miss	ing pieces			
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	VIDENT	Curr	ently:		Feet	Marks To	:	Fee	ət	1710 VUASSESSMENT
LINE CON	DITIONS	S	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect //H #	Invert Depth	Dia. (In.)	Pipe Materia	Joint al Length	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
	North		08' 07"	8	VCF	-	6.00	0			0	Slow flow	
IN FRO	14		08' 07"	18	CIP		6.00	0			0		
											Ĵ.		
Ουτ το	16		08' 08"	18	CIP		8.00	0			0		

Flow As	ssess	sment Se	ervices	, LLC.	Stru	cture l	nspec	tion L	og		🗸 Sur	face	Internal	†
Municipali	ty:	Franklin, MA	۱.							Mar	hole No	.: 16		N
Street:		14 Hayward	Street								System:	N/A	۹	
Inspection	Date:	5/10/2013		Inspe	ector:	GW/JS	F	Prefix #:						
Weather:		CLEAR		Temp	o :	0		Time:	11:51					-17 -+15
COVER C	HARAC	TERISTICS /		-		VER INFI	OW POT	ENTIAL						
L	_	: CNI:			ainage A								TY SIZE (In)	
Grade:	AT		ln.		2 X		(0.9		3.6 (SQFT) Hole	es In Cove	r		
				Dra	ainage / X		(if applica X 0.3	,	(SQFT					177 Ft. to DS MH #: 17
General					~		A 0.5	-	(501)	,				177 FL to DS MH #. 17
Comments														
INTERNAL	MANHO	OLE OBSER\	ATIONS	1		Clear Op	ening Dia	ı.:	In.	Ins	ide Frame	Dia.:	0 In.	WVAR AND
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		D	EFECT	S			
FRAME	CAST			1										1-11/12/2000
CORBEL	BRICK			1										
STEPS	STEEL	_		2				Corroded						
WALLS	BRICK	/PARGED		1										
FLOOR	BRICK	/PARGED		1										
INVERT	BRICK			1										A Constant of the second se
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:		Feet	Marks To	:	Fe	et		IFLOUV/ISSESSMEM
LINE CON	DITIONS	s		Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
IN FRO	15		12' 06"	18	CIP		5.00	0			0			
Ουτ το	17		12' 07"	18	CIP		5.00	0			0			

Flow A	ssess	sment Se	ervices	s, LLC	. Stru	cture l	nspec	tion L	og		🗌 Sı	Inface 🗸 Inf	ternal	1
Municipali	ty:	Franklin, MA	۱.							Man	hole No	o.: ¹⁷		N -18
Street:		24 Hayward	Street							Sub-	System:	N/A		
Inspection	Date:	5/10/2013		Insp	ector:	GW/JS	F	Prefix #:		- 11				
Weather:		CLEAR		Tem		0	-		11:40	- 11				+16
Buried:	-	TERISTICS / : CNI:		-	CO ainage A 3 X				3.1 (SQFT) Hole	es In Cove	QTY S er	IZE (In) 	+SW
				Dr	ainage A	Area 2: (if applica	ble)	•					
					Х	>	0.3	=	(SQFT)				185 Ft. to DS MH #: 18
General Comments														
INTERNAL	MANHO	OLE OBSER	ATIONS			Clear Ope	ning Dia	. :	In.	Ins	ide Fram	e Dia.:	In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		D	EFECTS	3			
FRAME	CAST			1										
CORBEL	PARG	ED		1										
STEPS	STEEL	_		2	2			Corroded						
WALLS	PARG	ED		3	5	0.05		Missing m	ortar, wet wi	th mineral	deposits to	3' above floor		
FLOOR	BRICK	,		2	2			Missing m	ortar					and the second sec
INVERT	BRICK			1										B. S.
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ntly:		Feet	Marks To	:	F	eet		IALOVU/USSESSMENT
LINE CON Direction (In / Out)	Co	S onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)	Pipe Conn Leak (gpm)	Photo	Line Cond 1-5	Image	Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin , Line Comments
IN FRO	SW		11' 07"	6	ACP	13	0.25	0			1			
IN FRO	16		15' 05"	18	CIP	10	5.00	0			2	Moderate tube	rculation	1
Ουτ το	18		15' 08"	18	CIP	10	5.00	0			2	Moderate tube	rculation	1

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture I	nspec	tion L	.og		✓ Su	rface	Internal	1
Municipali	ty:	Franklin, MA								Mar	nhole No	o.: 18		N
Street:		42 Hayward	Street							_	System:	N/A		
Inspection	Date:	5/10/2013		Inspe	ector:	GW/JS	F	Prefix #:						
Weather:		CLEAR		Temp	o :	0		Time:	11:30					
		TERISTICS /				VER INFL	OW POT	ENTIAL						
_		: CNI:			ainage A				- 4 (005				Y SIZE (In)	
Grade:	AT		In.		3 X		(0.9		5.4 (SQF1) Hole	es In Cove	r		+17
				Dra		Area 2:			(0057					
_					Х		X 0.3	=	(SQFT)				186 Ft. to DS MH # : 19
General Comments	5:													
INTERNAL	MANHO	OLE OBSERV	ATIONS			Clear Ope	ening Dia	a.:	In.	Ins	ide Frame	Dia.:	0 In.	Marks and a second second second
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		0	EFECT	S			A A A A A A A A A A A A A A A A A A A
FRAME	CAST			1										Constant of the second s
CORBEL	BRICK	/PARGED		1										
STEPS	CAST			2				Corroded						
WALLS	BRICK	/PARGED		3				Wet to 2.	5' above floo	r				and the second second
FLOOR	BRICK	/PARGED		1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:		Feet	Marks To	:	Fe	et		-ELEVE/SSESSMENT
LINE CON	DITION	S	Dim Te	Dino			Flow	Debris	Pipe Conn		Line	I	mage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect NH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Depth	Debris Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
IN FRO	17		12' 03"	18	CIP		9.00	0			0			
Ουτ το	19		12' 04"	18	CIP		9.00	0			0			

Flow A	ssess	sment Se	ervices	, LLC	C. Stru	cture	Inspec	tion L	og		🗸 Sur	face 🗌 Internal	†
Municipali	ty:	Franklin, MA	١							Man	hole No	. 19	N
Street:		42 Hayward	Street								System:	N/A	-20 +NNE
Inspection	Date:	5/9/2013		Ins	pector:	GW/JS	F	Prefix #:					
Weather:		CLEAR			np:	0		Time:	16:58				
	-	TERISTICS /		-	Drainage							QTY SIZE (In)	+ESE
Grade:	AT		In.		2 X	-	X 0.9		3.6 (SQFT)	Holes	s In Cove	r	+18
				C	Drainage		(if applica		(
					Х		X 0.3	=	(SQFT)				185 Ft. to DS MH #: 20
General Comments	5:												
INTERNAL	MANHO	DLE OBSER	VATIONS			Clear Op	ening Dia	ı.:	In.	Insi	de Frame	Dia.: 0 In.	
ITEM		MATERIAL		CON	DITION	Leaks (gpm)	Photo		D	EFECTS			
FRAME	CAST				1								and the second
CORBEL	PARG	ED			2			Missing n	nortar, missing	g pieces			
STEPS	CAST				2			Corroded	I				
WALLS	BRICK	/PARGED			2			Missing p	pieces				
FLOOR	BRICK	/PIP			1								
INVERT	BRICK				1								
Surcharg	e From	Invert:			Curre	ently:		Feet	Marks To:	Ę	5 Fe	et	1 <u>auovV/</u> ssessment
LINE CON Direction (In / Out)	Co	S onnect /IH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Lengtl	Flow Depth n (In.)	Debris Depth (In.)		Photo	Line Cond 1-5	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin , Line Comments
• •	ESE		10' 02"	8	PVC	-	0.25	0			0	Inside drop	
IN FRO	NNE		08' 11"	8	PVC		0	0			0	Inside drop	
IN FRO	18		11' 01"	18	CIP		5.00	0			0		
Ουτ το	20		11' 02"	18	CIP		5.00	0			0		

Flow A	ssess	sment Se	ervices	, LLC	Stru	cture I	nspec	tion L	.og		✓ Sur	face	Internal	↑
Municipali	ty:	Franklin, MA	4							Man	hole No.	20		N
Street:		31 Hayward	Street							_	System:	N/A		-21
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS	F	Prefix #:		-				
Weather:		CLEAR		Tem) :	0	-	Time:	16:51					
COVER C	HARAC	TERISTICS /		-		VER INFL	.OW POT	ENTIAL						
_	CNL				ainage /								SIZE (In)	+19
Grade:	ABOVE		0.2 In.		2 X		(0.9		3.6 (SQF 1) Hole	es In Cover	•		
				Dra	•		(if applica	,	(0057					
					Х		X 0.3	=	(SQFT)				190 Ft. to DS MH #: 21
General Comments	5:													
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	ı.:	In.	Ins	ide Frame	Dia.:	0 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		[EFECTS	S			
FRAME	CAST			1										
CORBEL	BRICK	(1										
STEPS	CAST			2				Corroded						
WALLS	BRICK	ζ.		1										
FLOOR	PIP			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:		Feet	Marks To	:	Fee	et		Into W/ USSESSment
LINE CON	DITION	s	D' T.	Dine			Flow	Debris	Pipe Conn		Line	Ima	ge Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Depth	Debris Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
IN FRO	19		07' 06"	18	CIP		6.00	0			0			
Ουτ το	21		07' 07"	18	CIP		6.00	0			0			

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	ction L	og		✓ Su	face	Internal	1
Municipali	ty:	Franklin, MA	٩							Mai	nhole No	. 21		N
Street:		31 Hayward	Street (lav	vn)							-System:	N/A	4	-22
Inspection	Date:	5/9/2013		Inspe	ector:	GW/JS		Prefix #:						
Weather:		CLEAR		Temp) :	0		Time:	16:36	-				4
		TERISTICS /		_	CC ainage		LOW PO	TENTIAL				Q	TY SIZE (In	
Grade:	BELOW	1	2 In.		2 X	2	X 0.9	=	3.6 (SQF	T) Hol	es In Cove	r	2 0.5	+20
				Dra	ainage	Area 2:	(if applica	able)						
					5 X	5	X 0.3	=	7.5 (SQF)	5)				193 Ft. to DS MH #: 22
General Comments	s:													
INTERNAL	MANHO	DLE OBSER	VATIONS				pening Di	a.:	In.	Ins	side Frame	Dia.:	In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		I	DEFECT	S			
FRAME	CAST			1										
CORBEL	BRICK	/BLOCK		1										
STEPS	STEEL	-		3				Corroded	l					
WALLS	BRICK			2				Wet to 4'						
FLOOR	BRICK	/PARGED		1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ently:		Feet	Marks To):	Fe	et		IILOVU/ISSESSMENT
LINE CON	DITIONS	6	Rim To	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)	r	onnect /IH #	Invert Depth	Dia. Dia.	Pipe Materia	Joint al Lengt	t Depth			Photo	Cond			Line Comments
IN FRO	20		08' 09"	18	CIP		5.00	0			1	Fast flo	W	
Ουτ το	22		08' 10"	18	CIP		5.00	0			0	Fast flo	W	

Flow A	ssess	sment Se	ervices	, LLC	Strue	cture I	nspec	ction L	og		🗌 Sui	face 🗸 Internal	1
Municipali	ty:	Franklin, MA	۹							Man	hole No	. 22	N
Street:		Hayward Str	eet R.O.W	Ι.						Sub-	System:	N/A	
Inspection	Date:	5/8/2013		Insp	ector:	GW/JS		Prefix #:		- 11			
Weather:		CLEAR		Temj		0	_		15:45	-			-23 - +East
Buried:	CNL	TERISTICS / : CNI:		Dra	ainage A							QTY SIZE (In)	
Grade:	ABOVE		6 In.		2 X		K 0.9		3.6 (SQFT) Hole	s In Cove	r 2 1	
				Dra	ainage A X		(if applica X 0.3		(SQFT	`			+21 242 Ft. to DS MH # : 23
General Comments	:	ab Recomme		Seal, cer	nent coat	ting (all)				·			242 Ft. to DS Min #: 23
	MANHO	DLE OBSER				Clear Op Leaks		a.:	In.		ide Frame	Dia.: 0 In.	
ITEM		MATERIAL		COND	ITION	(gpm)	Photo		D	DEFECTS	3		11/1 10 10 10 10 10 10 10 10 10 10 10 10 10
FRAME	CAST			1									
CORBEL	BRICK	/STEEL		2				Light root	S				
STEPS	STEEL	-		3				Corroded					
WALLS	BRICK			2		0.1		Light root	s, moderate	mineral de	posits		
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ntly:		Feet	Marks To	:	Fe	et	HEOW/ USESSMENT
LINE CON Direction (In / Out)	Co	S onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth n (In.)	Debris Depth (In.)	Pipe Conn Leak (gpm)	Photo	Line Cond 1-5	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
	East	nı ı #	05' 06"	8	PVC	13	0.10	0	(9011)		-	Moderate tuberculatio	
IN FRO	21		08' 00"	18	CIP	10	3.50	0			1		
Ουτ το	23		08' 02"	18	CIP	10	4.50	0			2	White colored flow, m	oderate tuberculation

Flow A	ssess	sment Se	ervices	, LLC	. Stru	cture	nspec	ction L	_og		🗌 Su	rface	✓ Internal	1
Municipali	ty:	Franklin, MA	۱							M	anhole No	o.: 23		N
Street:		Hayward Str	eet Easen	nent						Su	ub-System:	N//	٩	
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS		Prefix #:						
Weather:		CLEAR		Tem	p:	0		Time:	16:35					– +22
COVER C	HARAC	TERISTICS /	COMMEN	-		VER INF	OW PO	TENTIAL						-24 X
-	CNL	: 🗌 CNI:			ainage /					_			TY SIZE (In)	
Grade:	AT		ln.		3 X		(0.9		8.1 (SQF	T) H	oles In Cove	er	2 1	
				Dr	ainage A		(if applica	,	(-	_				
					X		X 0.3	=	(SQF	Г)				175 Ft. to DS MH #: 24
General Comments		, cement coat	ing											
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	a.:	In.	I	Inside Fram	e Dia.:	0 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		l	DEFEC	стѕ			
FRAME	CAST			1										
CORBEL	BRICK	ζ.		3	3			Missing r	nortar, loose	pieces,	, broken brick			
STEPS	STEEL	_		3	3			Corrodeo	ł					
WALLS	BRICK	ζ.		3	3			Missing r	nortar, light	mineral	deposits			
FLOOR	PARG	ED		1										
INVERT	CNI			C)			High flow	I					
Surcharg	e From	Invert:			Curre	ently:		Feet	Marks To):	3 F e	et		In LOWASSESSION
LINE CON	DITIONS	s	D T.	Dine			Flow	Debris	Pipe S Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Lengtl	Depth	Depth (In.)		Pho	Cond			Line Comments
IN FRO	22		06' 00"	18	CIP	10	7.50	0	0.1		1	Pipe co	onnection leak, r	noderate tuberculation
Ουτ το	24		06' 02"	18	CIP	10	7.00	0	0.1		2	Pipe co	onnection leak, r	noderate tuberculation

Flow A	ssess	sment Se	ervices	s, LLC	. Stru	cture I	nspec	tion L	og		Sur	face 🗸 Internal	1
Municipali	ty:	Franklin, MA	۹.							Man	hole No	: 24	N
Street:		Hayward Str	eet Easer	nent						_	System:	N/A	
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS	F	Prefix #:					
Weather:		CLEAR		Tem		0	-	Time:	16:02	- 10			-25
Buried:		TERISTICS / : CNI:			CO ainage A 3 X				8.1 (SQFT) Hole	s In Cover	QTY SIZE (In)	+SE
				Dr	ainage /		(if applica		·				
					X		X 0.3		(SQFT)			178 Ft. to DS MH #: 25
General Comments		cement coat	ing (all)										
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Ope	ening Dia	a.:	In.	Insi	ide Frame	Dia.: 0 In.	
ITEM		MATERIAL		CONE	ITION	Leaks (gpm)	Photo		C	EFECTS	5		
FRAME	CAST												
CORBEL	BRICK	/BLOCK/PAF	RGED	2	2			Missing n	nortar, light n	ineral dep	osits		I. Mar I. B. C.
STEPS	CAST			3	3			Corroded	l				
WALLS	BRICK			3	3	0.1		Moderate	mineral dep	osits, wall	leak		
FLOOR	BRICK			2	2			Moderate	mineral dep	osits			
INVERT	BRICK			2	2			Moderate	mineral dep	osits			240/1
Surcharg	e From	Invert:			Curre	ently:		Feet	Marks To	:	3 Fe	ət	HLOWASSRSSMOM
LINE CON	DITIONS	S	-	Dire			F law	Deter	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)		Photo	Line Cond 1-5		Line Comments
IN FRO	SE		08' 02"	12	VCP		2.20	0			1	Pipe changes to 8" VC	P at 1', service
IN FRO	23		08' 08"	18	CIP	10	5.75	0			2 1	Moderate tuberculation	
Ουτ το	25		08' 11"	18	CIP	10	7.75	2.00			2 [Moderate tuberculation	1

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	tion L	.og		Su	rface 🗸 Internal	
Municipali	ty:	Franklin, MA	4							Mar	hole No	25	N
Street:		Hayward Str	reet Easem	ent							System:	N/A	
Inspection	Date:	5/9/2013		Inspe	ector:	GW/JS	F	Prefix #:		- 11			-26
Weather:		CLEAR		Temp	o:	0		Time:		-			+24
COVER C	HARAC	TERISTICS /	COMMEN	TS	со	VER INF	LOW POT	ENTIAL					
Buried: [CNL	: 🗌 CNI:			ainage A							QTY SIZE (In)	
Grade:	BELOW	1	3 In.		10 X		X 0.3		0.0 (SQF	T) Hole	es In Cove	r	• + •
				Dra	•		(if applica	,					
					X		X 0.3	=	(SQF	F)			167 Ft. to DS MH #: 26
General Comments		ab Recomme	endations:	Cement o	coating c	corbel/wal	I						
INTERNAL	MANHO	DLE OBSER	VATIONS			Clear Op	ening Dia	ı.:	In.	Ins	ide Frame	Dia.: 0 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		I	DEFECT	S		
FRAME	CAST			2	2			Moderate	tuberculatio	n			
CORBEL	BRICK			2				Light root	S				
STEPS	NONE			0									
WALLS	BRICK			2				Light root	S				March March 199
FLOOR	BRICK			1									
INVERT	BRICK			1									and the second s
Surcharg	e From	Invert:			Curre	ently:		Feet	Marks To) :	3 Fe	et	LELOUDANS STRING
LINE CON	DITION	5	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect //H #	Invert Depth	Dia. Dia.	Pipe Materia	Joint Lengtl	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	24		04' 03"	20	CIP	10	8.00	0			2	Moderate tuberculation	1
Ουτ το	26		04' 05"	20	CIP	10	8.00	0			2	Moderate tuberculatior	1

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	ction I	Log		🗌 Su	rface	✓ Internal	†
Municipali	ty:	Franklin, MA	\							Mar	hole No	.: 26		N
Street:		Hayward Str	eet Easem	ent						Sub-	System:	N//	4	
Inspection	Date:	5/9/2013		Inspe	ector:	GW/JS		Prefix #:	-	-				-27
Weather:		CLEAR		Temp		0		Time:	14:40					
COVER C	HARAC	TERISTICS /	COMMEN	тѕ	cc	OVER INF	LOW PO	TENTIAL						
				Dra	ainage	Area 1:						G	TY SIZE (In)	+25
Grade:	ABOVE		4 In.	1	2 X		X 0.9		3.6 (SQF	T) Hole	es In Cove	r		
				Dra	•		(if applica							
					Х		X 0.3	=	(SQF)	[)				117 Ft. to DS MH #: 27
General Comments		ab Recomme	endations:	Cement s	sealing ((all)								
INTERNAL	MANHO		ATIONS			Clear Op	ening Dia	a.:	In.	Ins	ide Frame	Dia.:	0 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo			DEFECT	S			
FRAME	CAST			1										
CORBEL	BRICK			2				Light roc	ots, light mine	ral deposit	S			
STEPS	NONE			0										ALL THE LEAK AND
WALLS	BRICK			2				Light roc	ots					
FLOOR	BRICK			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:		<u> </u>	Curre	ently:		Feet	Marks To):	3 F e	et		UROUN USESSINUM
LINE CON	DITIONS	S	Rim To	Pipe			Flow	Debri	Pipe s Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint al Lengt	Depth		h Leak	Photo	Cond 1-5			Line Comments
IN FRO	25		04' 04"	20	CIP		6.00	0			2	Modera	te tuberculation	1
Ουτ το	27		04' 05"	20	CIP		6.00	0			2	Modera	te tuberculation	1

Flow A	ssess	sment Se	ervices	, LLC	. Stru	cture	nspec	tion L	og		🗸 Su	rface	Internal	†
Municipali	ty:	Franklin, MA								Man	hole No	.: 27		N -28
Street:		Master Drive	;							-	System:	N//	4	
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS	F	Prefix #:						
Weather:		CLEAR	_	Tem		0	_	Time:		- 11				+West +East
	-	TERISTICS /		тз	CO		OW POT	ENTIAL						λ λ
-		: CNI:			ainage / 2 X		(0.9		3.6 (SQFT	\			QTY SIZE (In)	
Grade:	AI		ln.		∠ ∧ ainage /		 0.9 (if applical) Hole	s In Cove	r		
					X X		X 0.3		(SQFT))				175 Ft. to DS MH #: 28
General	Reh	ab Recomme	endations:	Frame se	eal poor									
Comments						•• •								
	MANHO	DLE OBSER				Clear Op Leaks	ening Dia	l.:	In.		ide Frame	e Dia.:	0 In.	
ITEM		MATERIAL		COND	ITION	(gpm)	Photo		D	EFECTS	3			All All All
FRAME	CAST			2	2			Corroded						All marks and
CORBEL	BLOC	<		2	2			Missing m	nortar, minor	no infiltrat	ion			
STEPS	NONE			C)									
WALLS	BRICK			C)									
FLOOR	BRICK			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	entiv:	F	Feet	Marks To:		Fe	et		Intervery Statessment
LINE CON									Pipe				Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect /IH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth 1 (In.)	Debris Depth (In.)	Conn Leak (gpm)	Photo	Line Cond 1-5			Line Comments
IN FRO	East		03' 00"	6	PVC		0	0			0			
IN FRO	West		03' 10"	8	PVC		0	0			0			
IN FRO	26		04' 11"	20	CIP		8.00	0			0	Tuberc	ulation	
ουτ το	28		05' 00"	20	CIP		9.25	0			0			

Flow As	sessm	ent Services	, LLC. Stru	ucture	Inspec	ction L	.og	[Surfac	e 🗸	Internal	1
Municipality	y: Fr	anklin, MA						Manho	le No.:	28		N
Street:	Ma	aster Drive R.O.W.						Sub-Sys	stem:	N/A		
Inspection I	Date: 5/9	9/2013	Inspector:	GW/JS		Prefix #:						
Weather:	CL	EAR	Temp:	0		Time:						
	-	RISTICS / COMMEN	Drainage							QTY	SIZE (In)	
			X		X 0.9		(SQFT)	Holes I	n Cover			
			Drainage		(if applica		(0057)					
				(X 0.3	=	(SQFT)					Ft. to DS MH #:
General Comments:												
INTERNAL I	MANHOLE	OBSERVATIONS		Clear Op	ening Di	a.:	In.	Inside	Frame Di	a.:	0 In.	
ITEM	Μ	IATERIAL	CONDITION	Leaks (gpm)	Photo		DE	FECTS				
FRAME			0									
CORBEL			0									
STEPS			0									
WALLS			0									
FLOOR			0									
INVERT			0									
Surcharge	From Inv	ert: NONE EV	IDENT Cur	ently:		Feet	Marks To:		Feet			
LINE COND	DITIONS	Rim To	Pipe		Flow	Debris	Pipe Conn		Line	Im	age Path:	
Direction (In / Out)	Conne MH :	ect Invert	Dia. Pipe (In.) Mater		Depth	Depth (In.)	Leak		Cond 1-5			Line Comments

Flow A	ssess	sment S	ervices	, LLC	. Stru	cture I	nspec	ction L	_og		✓ Surfac	ce 🗌 Internal	1
Municipali	ty:	Franklin, M	Ą							Mar	hole No.:	29	N
Street:		Beaver Stre	et at railroa	ad crossi	ng						System:	N/A	-30 +NNE
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS		Prefix #:		- 11			
Weather:		CLEAR		Tem		0		Time:		-			
Buried:				-	rainage /							QTY SIZE (In)	
Grade:	BELOW	1	0.25 In.	_	4 X		(0.9		0.8 (SQFT) Hole	es In Cover		+28
				Di	rainage / X		(if applica X 0.3		(SQFT)			Ft. to DS MH #:
General Comments	s:								(,			
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	a.:	In.	Ins	ide Frame Di	i a.: 0 In.	
ITEM		MATERIAL		CONE	DITION	Leaks (gpm)	Photo		D	EFECT	s		Charles North
FRAME	CAST				1								
CORBEL	BRICK	(2	2			Missing r	mortar				
STEPS	NONE			(C								
WALLS	BRICK	ζ.			1								
FLOOR	BRICK	/PARGED			1								Maria 19
INVERT	BRICK				1								
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ently:		Feet	Marks To	:	Feet		HLOWASSESSMENT
LINE CON	DITION	s	Rim To	Pipe			Flow	Debris	Pipe S Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth	Depth (In.)		Photo	Cond 1-5		Line Comments
	NNE		05' 11"	15	CIP		6.00	1.00			0		
IN FRO	28		06' 03"	20	CIP		10.00	0.13			0		
Ουτ το	30		06' 04"	24	CIP		10.00	0.13			0		

Flow A	ssess	sment Se	ervices,	, LLC. Str	ucture	Inspec	ction L	og		Sur	face 🗸 Internal	†
Municipali	ty:	Franklin, MA	٩						Mar	nhole No	: 30	Ν
Street:		Beaver Stre	et R.O.W.						Sub-	System:	N/A	-31
Inspection	Date:	5/8/2013		Inspector:	GW/JS		Prefix #:					
Weather:		CLEAR		Temp:	0		Time:	16:00				
COVER C	HARAC	TERISTICS /		rs c	OVER INF	LOW PO	TENTIAL					
L	CNL			Drainage							QTY SIZE (II	n)
Grade:	ABOVE		12 In.	2)		X 0.9		3.6 (SQFT) Hole	es In Cove	·	- · · ·
				_		(if applica		(0.0				
					x	X 0.3	=	(SQFT))			Ft. to DS MH #:
General Comments	s:											
INTERNAL	MANHO	DLE OBSER	VATIONS	1	-	ening Dia	a.:	In.	Ins	ide Frame	Dia.: 0 In.	
ITEM		MATERIAL	-	CONDITION	Leaks (gpm)	Photo		D	EFECT	S		
FRAME	CAST			1								A STATE AND A STAT
CORBEL	BRICK			2			Missing n	nortar at fram	e seal, lig	ht roots		
STEPS	NONE			0								
WALLS	CIP			1								
FLOOR	NONE			0								
INVERT	CIP			1								All and a start
Surcharg	e From	Invert:	NONE EVI	IDENT Cur	rently:	_	Feet	Marks To	:	Fe	et	raciussissing and a second and a
LINE CON	DITIONS	5	D T.	Dine		Flow	Debris	Pipe Conn		Line	Image Path	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)	ſ	onnect MH #	Rim To Invert Depth	Pipe Dia. Pipe (In.) Mater		Depth	Depth (In.)		Photo	Cond 1-5		Line Comments
IN FRO	29		04' 03"	24 CI	P	9.00	0.75			2	Fuberculation	
ουτ το	31		04' 03"	24 CI	P	9.00	0.75			2	Fuberculation	

Flow A	ssess	sment Se	ervices,	LLC. Str	ucture	Inspec	tion L	og		✓ Surfa	ce 🗌 Internal	1
Municipali	ty:	Franklin, MA							Mar	hole No.:	31	N
Street:		Beaver Stree	et R.O.W.						_	System:	N/A	
Inspection	Date:	5/8/2013		Inspector:	GW/JS	F	Prefix #:					
Weather:		CLEAR		Temp:	0		Time:					
COVER C	HARAC	TERISTICS /	COMMENT	rs c	OVER INF	LOW POT	ENTIAL					
L				Drainage							QTY SIZE (In)	+30
Grade:	ABOVE		12 In.	2 X		X 0.9		3.6 (SQFT) Hole	es In Cover		
				Drainage		(if applica		·				
						X 0.3		(SQFT)			Ft. to DS MH #:
General Comments		e seal and ex	terior ceme	ent coating mis	sing, heavy	root intru	sion					
INTERNAL	MANHO	OLE OBSER	ATIONS		· · ·	ening Dia	a.:	In.	Ins	ide Frame D	ia.: 0 In.	
ITEM		MATERIAL		CONDITION	Leaks (gpm)	Photo		D	EFECT	S		
FRAME	CAST			2			Loose fra	me, missing	mortar			
CORBEL	BRICK			3			Roots, mi	ssing mortar				
STEPS	NONE			0								
WALLS	BRICK			4			Roots					
FLOOR	CNI			4			Roots					
INVERT	CNI			4			Roots, ch	annel restrict	ed 15%			
Surcharg	e From	Invert:	NONE EVI	DENT Cur	rently:		Feet	Marks To	:	Feet		Into Vir sesues my nu
LINE CON	DITIONS	S	D' T.	Dine		Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. Pipe (In.) Mater		Depth	Debris Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	30		04' 07"	24 CII		8.00	0			0 Tu	Iberculation	
Ουτ το	32		04' 08"	24 CI	2	8.00	0			0		

Flow A	ssess	sment Se	ervices	, LLC	. Stru	icture	Inspec	tion L	og		Sur	face	Internal	1
Municipali	ty:	Franklin, MA	4							Man	hole No	32		N
Street:		Beaver Stre	et R.O.W.							-	System:	N/A		+44A
Inspection	Date:	5/8/2013		Iner	ector:	GW/JS		Prefix #:		-				-33
Weather:		CLEAR		Tem		0	_	Time:		-				
		TERISTICS /	COMMEN		•									
					rainage							QT	Y SIZE (In)	+31
Grade:	ABOVE		14 In.		3 X	3	X 0.9	= 8	8.1 (SQFT) Hole	s In Cove		2 0.5	
				D	rainage	Area 2:	(if applica	ıble)						
					Х		X 0.3	=	(SQFT)				120 Ft. to DS MH #: 33
General Comments														
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	a.:	In.	Ins	ide Frame	Dia.:	0 In.	TA NAR AND AND
ITEM		MATERIAL		CON	DITION	Leaks (gpm)	Photo		D	EFECTS	3			11 Bis ARNIS
FRAME	CAST				1									
CORBEL	BLOC	<		:	2			Minor root	ts at frame s	eal				
STEPS	NONE			(0									
WALLS	BLOCI	<		:	2			Minor root	ts					
FLOOR	PIP				1									the second second
INVERT	CIP				1									
Surcharg	e From	Invert:	NONE EV	IDENT	Curr	ently:		Feet	Marks To	:	Fe	ət		nuov assessment
LINE CON	DITION	S	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	I	mage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Invert Depth	Dia. (In.)	Pipe Materi		Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5			Line Comments
	31		05' 02"	24	CIP	-	7.50	0			3	leavy tu	berculation	
IN FRO	44A		04' 03"	15	ACF	P 13	1.70	0			1	Vissing r	nortar at pipe	connection
Ουτ το	33		05' 02"	24	CIP	10	7.70	0			3	Heavy tu	berculation	

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	tion L	og		Sur	ace 🔽 Interna	al 🕇
Municipali	ty:	Franklin, MA	١							Ма	anhole No.	33	N
Street:		Beaver Stree	et R.O.W.							Su	b-System:	N/A	
Inspection	Date:	5/8/2013		Inspe	ector:	GW/JS		Prefix #:					-34
Weather:		CLEAR		Temp) :	0		Time:					
COVER C	HARAC	TERISTICS /	COMMEN	тз	cc	VER INF	LOW PO	ENTIAL					
-					ainage							QTY SIZE	In)
Grade:	ABOVE		9 In.		2 X		X 0.9		3.6 (SQF	Г) Но	oles In Cover		
				Dra	•		(if applica	,	(005	_			
					Х		X 0.3	=	(SQF1)			Ft. to DS MH #:
General Comments													
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	a.:	In.	h	nside Frame	Dia.: 0 In	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		I	DEFEC	стя		
FRAME	CAST			2				Corroded					
CORBEL	BRICK			2				Roots, m	issing morta				
STEPS	NONE			0									
WALLS	BRICK			2				Roots					
FLOOR	BRICK			1									
INVERT	BRICK			2				Missing n	nortar				
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:		Feet	Marks To):	Fee	et	1.1LOVAUSSESSMEN
LINE CON	DITION	S		Dim			F 1.	D .1.1	Pipe			Image Pat	h: P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint al Lengt		Debris Depth (In.)		Phot	Line Cond to 1-5		Line Comments
IN FRO	32		04' 06"	24	CIP		7.50	0			2 1	uberculation	
Ουτ το	34		04' 07"	24	CIP		7.50	0			2 1	uberculation	

Flow A	ssess	sment Se	ervices	, LLC.	Strue	cture I	nspec	tion L	og		Su	rface	Internal	1
Municipali	ty:	Franklin, MA	4							Mar	nhole No	o.: 34		N
Street:		Beaver Stree	et R.O.W.								System:	N/A		
Inspection	Date:	5/9/2013		Inspe	ector:	GW/JS	F	Prefix #:						-35
Weather:		CLEAR		Temp):	0		Time:	16:48					-(-)
COVER C	HARAC	TERISTICS /	COMMEN	тз	CO	VER INFL	OW POT	ENTIAL						
-					ainage A								Y SIZE (In)	+33
Grade:	ABOVE		3 In.		2 X		(0.9		3.6 (SQF)	T) Hole	es In Cove	er		
				Dra	ainage A		(if applica		(0.0					
					Х		X 0.3	=	(SQF1)				Ft. to DS MH #:
General Comments	5:													
INTERNAL	MANHO	OLE OBSER	VATIONS		(Clear Op	ening Dia	a.:	In.	Ins	ide Frame	e Dia.:	0 In.	
ITEM		MATERIAL		COND		Leaks (gpm)	Photo		[DEFECT	s			
FRAME	CAST			1										
CORBEL	BRICK			2				Roots						
STEPS	NONE			0										
WALLS	BRICK			2				Roots						
FLOOR	BRICK			1										
INVERT	BRICK			2				Missing n	nortar					
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ntly:		Feet	Marks To):	Fe	et		And the street
LINE CON	DITIONS	S		Dime			-	Dahala	Pipe				Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)		Photo	Line Cond 1-5			Line Comments
IN FRO	33		04' 04"	24	CIP		9.00	0			2	Tubercul	ation, Lower th	nan outgoing line
Ουτ το	35		04' 00"	24	CIP		9.00	0			2	Tubercul	ation	

Flow As	sessmen	t Services,	LLC. Stru	ucture	Inspec	ction L	.og		Surface		Internal	†
Municipality	r: Franklin	n, MA						Manhole	No.: 35	5		N
Street:	Beaver	Street R.O.W.						Sub-System	:: N /	/A		
Inspection [Date: 5/9/201	3	Inspector:	GW/JS		Prefix #:						
Weather:	CLEAR	1	Temp:	0		Time:						
	IARACTERIST	ICS / COMMEN [®] CNI:	Drainage							QTY	SIZE (In)	
			X		X 0.9		(SQFT)	Holes In Co	over			
			Drainage		(if applica X 0.3							
General			,	L	▲ 0.3	=	(SQFT)					Ft. to DS MH #:
Comments:												
INTERNAL I	MANHOLE OB	SERVATIONS		Clear Op	ening Di	a.:	In.	Inside Fra	me Dia.:		0 In.	
ITEM	MATE	RIAL	CONDITION	Leaks (gpm)	Photo		DE	FECTS				
FRAME			0									
CORBEL			0									
STEPS			0									
WALLS			0									
FLOOR			0									
INVERT			0									
Surcharge	From Invert:	NONE EV	DENT Curr	ently:		Feet	Marks To:		Feet			
LINE COND	ITIONS	Rim To	Pipe		Flow	Debris	Pipe Conn	Line		Ima	ge Path:	
Direction (In / Out)	Connect MH #	Invert Depth	Dia. Pipe (In.) Materi		Depth	Depth (In.)	Leak	Con Photo 1-5	d			Line Comments

Flow A	ssess	sment Se	ervices,	LLC. Str	ucture	Inspec	tion L	.og		Surfa	ice 🗹 Internal	
Municipali	ty:	Franklin, MA	١						Mar	hole No.:	36	N
Street:		Beaver Stree	et R.O.W.						Sub-	System:	N/A	
Inspection	Date:	5/10/2013		Inspector:	GW/JS		Prefix #:					
Weather:		CLEAR		Temp:	0		Time:	10:00				-37 - +35
COVER C	HARAC	TERISTICS /	COMMENT		OVER INF	LOW PO	ENTIAL					
				Drainage							QTY SIZE (In)	
Grade:	BELOW	/	3 In.	4)		X 0.3		4.8 (SQFT) Hole	es In Cover	2 1	
				-		(if applica	,	(0057				
					x	X 0.3	=	(SQFT)			430 Ft. to DS MH #: 37
General Comments	5:											
INTERNAL	MANH	OLE OBSER\	VATIONS		Clear Op	pening Dia	a.:	In.	Ins	ide Frame D	0 In.	
ITEM		MATERIAL		CONDITION	Leaks (gpm)	Photo		D	EFECT	S		John Stranger 2
FRAME	CAST			1								And the second of
CORBEL	BRICK	(2			Light root	s				A THE A
STEPS	NONE			0								1 2 2
WALLS	BRICK	(2			Light root	S				
FLOOR	BRICK			2			Moderate	roots				
INVERT	BRICK			2			Moderate	roots				
Surcharg	e From	Invert:	NONE EVI	DENT Cur	rently:		Feet	Marks To	:	Feet		HUOUMISSESSMENT
LINE CON	DITION	s	D T.	Dine		Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Invert	Pipe Dia. Pipe (In.) Mater		Depth	Debris Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	35		04' 05"	24 CI	P 10	9.00	0			2 Tu	iberculated 1"	
Ουτ το	37		04' 08"	24 CI	P 10	9.00	0			2 Tu	iberculated 1"	

Flow A	ssess	sment Se	ervices	, LLC	. Stru	cture I	nspec	ction L	og		Surf	ace 🗸	Internal	1
Municipali	ty:	Franklin, MA	4							Man	hole No.	: 37		N
Street:		Beaver Stre	et R.O.W.							Sub-	System:	N/A		
Inspection	Date:	5/10/2013		Insp	ector:	GW/JS		Prefix #:	_					+36
Weather:		CLEAR	_	Tem		0	_	Time:	9:45	- 11				
		TERISTICS / :		-	CO rainage /	VER INFL Area 1:	_					οτχ	SIZE (In)	-38
Grade:	_		 6 In.		2 X		0.9	=	3.6 (SQFT) Hole	s In Cover		512E (III) 	\sim
				D	rainage /		if applica		•					
					X	1	X 0.3	=	(SQFT))				210 Ft. to DS MH #: 38
General Comments	:									I				
INTERNAL	MANH	OLE OBSER	VATIONS	-		Clear Op	ening Dia	a.:	In.	Ins	ide Frame	Dia.:	0 In.	
ITEM		MATERIAL		CON		Leaks (gpm)	Photo		D	EFECTS	5			Start Market
FRAME	CAST				1									The literation and the
CORBEL	BRICK	(:	2			Moderate	e roots					
STEPS	NONE				1									
WALLS	BRICK	ζ		:	2			Heavy roo	ots					a state of the second
FLOOR	BRICK	,		:	2			Heavy roo	ots					
INVERT	BRICK				1									
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ently:		Feet	Marks To	:	Fee	et		He wassessmen
LINE CON									Pipe			Ima	ge Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)		Photo	Line Cond 1-5			Line Comments
IN FRO	36		04' 05"	24	CIP	10	9.00	0			2 T	uberculate	d 1"	
Ουτ το	SE		03' 03"	8	CIP		0	0			2 V	alved off at	t 48"	
Ουτ το	38		04' 06"	24	CIP	10	9.00	0			2 T	uberculated	d 1"	

Flow A	ssess	sment Se	ervices,	LLC. S	tru	cture	Inspec	tion	Log			🗌 Sui	face	Internal	
Municipali	ty:	Franklin, MA	٨								Mar	nhole No	.: 38		N
Street:		Beaver Stree	et								Sub-	System:	N/A		
Inspection	Date:	5/10/2013		Inspect	or:	GW/JS		Prefix #:							+37
Weather:		CLEAR		Temp:		0		Time:	9:07	7					-{ }-
COVER C	HARAC	TERISTICS /	COMMENT	s	CO	VER INF	LOW PO	FENTIAL	-						-39 X
Buried:	CNL				-	Area 1:				(0 0 - - -			QT	· · ·	
Grade:	ABOVE		2 In.		x		X 0.9		8.1	(SQFT) Hole	es In Cove	r	2 1	
				Drain	age A X		(if applica X 0.3	,		(SQFT					160 Ft. to DS MH #: 37
General					~		X 0.3	-			,				100 FL 10 DS MIN #. 37
Comments	s:														
INTERNAL	MANHO	OLE OBSER	VATIONS				ening Dia	a.:		In.	Ins	side Frame	Dia.:	0 In.	A CONTRACTOR OF A
ITEM		MATERIAL		CONDITI	N	Leaks (gpm)	Photo			D	EFECT	s			
FRAME	CAST			1											
CORBEL	BRICK			2				Missing	mortar	r, light rc	oots				
STEPS	NONE			0											
WALLS	CAST	IRON		2				Tubercu	lated						
FLOOR	NONE	_		0											
INVERT	CAST			2				Tubercu	ilated						
												_			
Surcharg					Curre	ently:		Feet		rks To		3 Fe			FLOWASSUSSIUM
			Rim To	Pipe			Flow	Debri	is C	ipe onn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Invert Depth		Pipe aterial	Joint I Lengt		Depti (In.)		eak gpm)	Photo	Cond 1-5			Line Comments
IN FRO	37		04' 09"	24	CIP	10	9.00	0				2	Tubercul	ated	
Ουτ το	39		04' 10"	24	CIP	10	9.00	0				2	Tubercul	ated	

Flow A	ssess	sment Se	ervices,	, LLC. S	ruct	ure l	nspec	tion l	_og		Sur	face 🔽 Internal	1 N
Municipali	ty:	Franklin, MA	٩							Ма	nhole No	.: 39	N
Street:		Beaver Stre	et R.O.W.							_	-System:	N/A	
Inspection	Date:	5/10/2013		Inspecto	r: G	W/JS	F	Prefix #:					+38
Weather:		CLEAR		Temp:	0		1	ime:					-40 -
COVER C	HARAC	TERISTICS /		тѕ	COVE	R INFL	OW POT	ENTIAL					
Buried:				Draina	-							QTY SIZE (In	
Grade:	BELOW	1	2 In.				0.9		22.5 (SQF	T) Hol	es In Cove	·	
				Draina	-	,	if applicat	,	(005	-			
					X)	(0.3	=	(SQF)			200 Ft. to DS MH #: 40
General Comments	s:												
INTERNAL	MANHO	OLE OBSER	VATIONS		Cle	ear Ope	ening Dia	.:	In.	Ins	side Frame	Dia.: 0 In.	
ITEM		MATERIAL		CONDITIC		.eaks gpm)	Photo		I	DEFECT	ſS		Contraction of the second seco
FRAME	CAST			1									the second se
CORBEL	BRICK			2				Moderate	e roots				The second second
STEPS	STEEL	-		3				Corrodeo	ł				
WALLS	BRICK			2				Moderate	e roots				
FLOOR	BRICK			2				Light roo	ts				
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EVI		urrentl	y:	F	eet	Marks To):	Fe	et	herrassission
LINE CON	DITION	S	Rim To	Pipe			Flow	Debris	Pipe S Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect NH #	Invert Depth	Dia. P	pe terial	Joint Length	Depth (In.)	Depth (In.)		Photo	Cond		Line Comments
IN FRO	38		07' 05"	24	CIP	10	9.00	0			2	Tuberculated 1"	
Ουτ το	40		07' 07"	24	CIP	10	10.00	0			2	Tuberculated 1"	

Flow A	ssess	sment Se	ervices,	LLC. St	ucture	Inspec	ction L	_og		Surfa	ice 🔽 Internal	1
Municipali	ty:	Franklin, MA	٨						Man	hole No.:	40	N
Street:		Beaver Stree	et R.O.W.						Sub-	System:	N/A	
Inspection	Date:	5/10/2013		Inspector	GW/JS		Prefix #:					
Weather:		CLEAR		Temp:	0		Time:	8:22				-40A 🗕 🗕 +39
COVER C	HARAC	TERISTICS /	COMMENT	S		FLOW PO	TENTIAL					
L .				-	e Area 1:						QTY SIZE (In)	
Grade:	ABOVE		8 In.	2		X 0.9		3.6 (SQF1) Hole	es In Cover	2 1	
				-	e Area 2:	(if applica		(0057				
					Х	X 0.3	=	(SQFT)			60 Ft. to DS MH #: 40A
General Comments												
INTERNAL	MANHO	DLE OBSER	VATIONS		Clear O	pening Di	a.:	In.	Ins	ide Frame D	0 In.	
ITEM		MATERIAL		CONDITION	Leaks (gpm)	Photo		C	DEFECTS	6		
FRAME	CAST			3			Missing r	mortar to corb	bel			Contraction of the set
CORBEL	BRICK			3			Missing r	mortar, light r	oots, broke	en brick		S Called .
STEPS	NONE			0								
WALLS	BRICK	CAST IRON		2			Light roo	ts, tuberculat	ed			
FLOOR	CAST	IRON		2			Tubercul	ated				
INVERT	CAST I	RON		2			Tubercul	ated				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Surcharg	e From	Invert:		Cu	rrently:		Feet	Marks To	: 3	3.5 Feet		Litto W/Assessment
LINE CON	DITIONS	5		Dime		Flow	Debris	Pipe s Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. Pip (In.) Mate		t Depth		Leak	Photo	Cond 1-5		Line Comments
IN FRO	39		05' 10"	24 C	IP 10	9.00	0			2 He	eavy tuberculation 1"	
Ουτ το	40A		05' 11"	24 C	IP 10	9.00	0			2 Tu	iberculated 1"	

Flow A	ssess	sment Se	ervices	LLC	. Stru	icture	Inspec	ction L	og		Surf	ace 🗸 Internal	
Municipali	ty:	Franklin, MA	١							Mar	nhole No.	- 40A	N
Street:		Beaver Stree	et R.O.W.							_	System:	N/A	
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS		Prefix #:					-41 +40
Weather:		CLEAR		Tem	p:	0		Time:		- 11			-{ }-
COVER C	HARAC	TERISTICS /	COMMEN	rs	СС	OVER INF	LOW PO	TENTIAL					
_		: 🗌 CNI:			ainage					_		QTY SIZE (In)	
Grade:	ABOVE		6 In.		3 X		X 0.9		8.1 (SQF	T) Hole	es In Cover	2 1	
				Dr	ainage / X		(if applica X 0.3	,	(805				
General					^		X 0.3	=	(SQF)			59 Ft. to DS MH # : 41
Comments	5:												
INTERNAL	MANHO	OLE OBSER	VATIONS	-		Clear Op	pening Dia	a.:	In.	Ins	ide Frame	Dia.: 0 In.	A A A A A A A A A A A A A A A A A A A
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		I	DEFECT	s		
FRAME	CAST			1									
CORBEL	PREC	AST		2	2			Missing n	nortar at frar	ne			
STEPS	ALUM			1									
WALLS	PREC	AST/PIP		2	2			Light root	s through ba	arrel joints			A State of the second s
FLOOR	BRICK			2	2			Light root	S				
INVERT	BRICK			1									
Surcharg	e From	Invert:		<u> </u>	Curre	ently:		Feet	Marks To	o :	4 Fee	et	VI-LO WASSESSMENT
LINE CON							_		Pipe			Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint al Lengt		Debris Depth (In.)		Photo	Line Cond 1-5		Line Comments
IN FRO	40		07' 02"	24	CIP	10	11.00	0			2 T	uberculated 1"	
Ουτ το	41		07' 04"	24	CIP	10	11.00	0			1		

Flow A	ssess	ment Se	ervices	, LL	C. Stru	icture I	nspec	tion L	og		Sur	face 🗸	Internal	1
Municipalit	ty:	Franklin, MA								Man	hole No	: 41		N
Street:		Beaver Stree	et R.O.W.	At railr	road tracks	and I-495				-	System:	N/A		-42
Inspection	Date:	5/9/2013		In	spector:	GW/JS	P	refix #:		-				
Weather:		CLEAR			emp:	0	_	ïme:		- 11				
COVER C Buried:	HARACT			ITS	CC Drainage	OVER INFL Area 1:	OW POT	ENTIAL					SIZE (In)	
Grade:	ABOVE		2 In.		2 X		(0.9 :		3.6 (SQFT)) Hole	s In Cove	2	1	+SW
					Drainage		(if applicat		(0057)					+40A
L					Х		X 0.3 =	=	(SQFT)					270 Ft. to DS MH #: 42
General Comments														
INTERNAL	MANHC	LE OBSERV	ATIONS			Clear Op	ening Dia	:	In.	Insi	de Frame	Dia.:	0 In.	
ITEM		MATERIAL		СО	NDITION	Leaks (gpm)	Photo		D	EFECTS	;			
FRAME	CAST				1									
CORBEL	PRECA	ST			2			Missing m	ortar at fram	e seal				
STEPS	ALUM				2			Corroded						3
WALLS	PRECA	ST/PIP			2			Light roots	;					
FLOOR	CNI				2			Light roots	, missing mo	ortar, unde	erwater			· · ·
INVERT	CNI				3			Moderate	roots, underv	water				The I have a lot
Surcharge	e From I	nvert:			Curre	ently:	F	eet	Marks To:	:	4 Fe	et		HELE WASHERS IN COMPANY AND
LINE CON	DITIONS	;	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Im	age Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction		nnect	Invert	Dia.	Pipe	Joint	Depth	Depth	Leak	D I 11	Cond			Line Comments
(In / Out) IN FRO	SW N	IH #	Depth 08' 08"	(In.) 16	Materia PVC	- J.	(In.) 8.50	(In.) 0	(gpm)	Photo	1-5 1			Line Comments
				10	1.00	/ 13	0.00							
IN FRO	40A		09' 07"	24	CIP	10	14.00	3.50			2	Moderate g	grease	
, I														

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	nspec	tion L	og		✓ Sur	face [Internal	†
Municipali	ty:	Franklin, MA	۱							Mai	nhole No.	: 42		N
Street:		West Centra	al Street R.	.O.W.							-System:	N/A		
Inspection	Date:	5/10/2013		Inspe	ector:	GW/JS		Prefix #:						
Weather:		CLEAR		Temp) :	0		Time:	8:10					
COVER C	HARAC	TERISTICS /	COMMEN	ITS	со	VER INF		ENTIAL						ן ג ג ו
-					ainage /		_			_			TY SIZE (In)	+41
Grade:	ABOVE		0.5 In.		2 X		K 0.9		3.6 (SQF1) Hol	es In Cover			
				Dra	-		(if applica		(0057					
					Х		X 0.3	=	(SQFT)				218 Ft. to DS MH #: 43
General Comments	5:													
INTERNAL	MANHO		VATIONS			Clear Op	ening Dia	a.:	In.	Ins	side Frame	Dia.:	In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		C	EFECT	s			
FRAME	CAST			1										
CORBEL	BLOCH	<		1										
STEPS	STEEL	/ALUM		1										
WALLS	PREC	AST/PIP		2				Roots						
FLOOR	PIP			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ently:		Feet	Marks To	:	Fee	et		-uovassissinuu
LINE CON	DITIONS	S	D T.	Pipe			Flow	Debris	Pipe Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Dia. (In.)	Pipe Materia	Joint I Lengtl	Depth	Depth (In.)		Photo	Cond			Line Comments
IN FRO	41		19' 10"	24	CIP		13.00	0			0			
Ουτ το	43		19' 11"	24	CIP		13.00	0			0			

Flow A	ssess	sment Se	ervices	, LLC	. Stru	icture I	nspec	tion Lo	og		🗸 Sui	face 🗌 Internal	1
Municipali	ty:	Franklin, MA	4							Man	hole No	.: 43	N -44
Street:		Franklin Pla	za (rear)							Sub-S	System:	N/A	
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS	Р	Prefix #:					
Weather:		CLEAR		Tem	p:	0	т	ime:	10:04				-+East
COVER C	HARAC	TERISTICS /	COMMEN	тѕ	CC	OVER INFL	OW POT	ENTIAL					
Buried:	CNL	: 🗌 CNI:		Dr	rainage							QTY SIZE (In)	+ESE
Grade:	ABOVE		12 In.		2 X		0.9 =		6.6 (SQFT) Hole	s In Cove	r	+SSE
				Dr		Area 2: (+42
					Х)	(0.3 :	=	(SQFT)			Ft. to DS MH #:
General Comments	5:												
INTERNAL	MANHO	DLE OBSER	VATIONS	1		Clear Ope	ening Dia	.:	In.	Insi	de Frame	Dia.: 0 In.	
ITEM		MATERIAL		CONE	DITION	Leaks (gpm)	Photo		D	EFECTS	;		
FRAME	CAST				1								
CORBEL	BRICK				1								
STEPS	STEEL	-		4	4			Corroded					
WALLS	BRICK				1								
FLOOR	PIP				1								
INVERT	CIP				1								
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:	F	eet	Marks To	:	Fe	et	RLOW/Assussment
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint al Length	Depth (In.)	Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	East		04' 07"	6	PVC	;	0.10	0			0	Inside drop	
IN FRO	ESE		02' 11"	6	PVC	;	0.10	0			0	Inside drop	
	005		401.001		D) (C		0.00				-		
IN FRO	SSE		12' 02"	8	PVC		3.00	0			0	Inside drop	
IN FRO	42		44' 02"	24	CIP		10.00	0			0		
Ουτ το	44		44' 02"	24	CIP		10.00	0			0		

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture I	nspec	tion L	og		Sur	face 🗸 Internal	†
Municipali	ty:	Franklin, MA	۱							Ма	anhole No.	. 44	N -45
Street:		Beaver Stree	et R.O.W.							Sul	b-System:	N/A	
Inspection	Date:	5/8/2013		Inspe	ector:	GW/JS	F	Prefix #:					
Weather:		CLEAR		Temp	b :	0	1	Time:					I -{ }
COVER C	HARAC	TERISTICS /	COMMEN	ITS	CO	VER INFL	OW POT	ENTIAL					
L		: CNI:			ainage A							QTY SIZE (In)	
	AT		In.		3 X	2 X	0.9	= 5	6.4 (SQFT	") Ho	oles In Cover	2 1	
Blind flange	e			Dra	ainage A		if applica	,					+43
					Х		(0.3	=	(SQFT)			Ft. to DS MH #:
General Comments		nole has been	h brought to	o grade tv	vice. Bri	ck walls to	39' abov	ve invert. I	Precast wa	all to 46	6' above inve	rt. Rehab Recommer	ndations: Seal/coat walls, corbel, floor & invert
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Ope	ening Dia	ı.:	In.	Ir	nside Frame	Dia.: 0 In.	HOME SAME
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		D	EFEC	тѕ		
FRAME	CAST			1									
CORBEL	BRICK	(1									
STEPS	VINYL	COATED		1									
WALLS	BRICK	/PRECAST		3		0.2		Brick porti	on wet with	mineral	deposits to 8' a	bove invert	
FLOOR	PIP			1									
INVERT	PIP			1									
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ntly:	F	Feet	Marks To	:	Fee	ət	LELOVUL SSESSMENT
LINE CON	DITION	S	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Invert Depth	Dia. (In.)	Pipe Material	Joint I Length	Depth	Depth (In.)	Leak (gpm)	Phote	Cond		Line Comments
IN FRO	43		46' 03"	24			9.00	0			1 1	Manhole frame at crow	wn level obscures view into pipe, could not lamp pipe
Ουτ το	45		46' 03"	24			9.00	0			1	Manhole frame at crow	wn level obscures view into pipe, could not lamp pipe

Flow A	ssess	sment Se	ervices	, LLC	Stru	cture I	nspec	tion L	og		✓ Surf	ace 🗌 Internal	1
Municipali	ty:	Franklin, MA	١							Manh	nole No.	- 44A	N
Street:		West Centra	al Street R	O.W.						Sub-S	ystem:	N/A	+NW +NE
Inspection	Date:	5/9/2013		Insp	ector:	GW/JS	F	Prefix #:		-			
Weather:		CLEAR		Tem		0	-	Time:					
COVER C	HARAC	TERISTICS /	COMMEN	ITS	CO	VER INFL	OW POT	ENTIAL					
Buried:		: 🗌 CNI:		Dra	ainage A							QTY SIZE (In)	
Grade:	AT		In.		2 X	3 >	0.9	=	5.4 (SQFT) Holes	In Cover	2 0.5	-32
				Dra	ainage A		(if applica		(-				
					Х		X 0.3	=	(SQFT))			Ft. to DS MH #:
General Comments	:												
INTERNAL	MANHO	OLE OBSER	VATIONS		(Clear Ope	ening Dia	a.:	In.	Insid	le Frame	Dia.: 0 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		D	EFECTS			
FRAME	CAST			1		(90)							a state of the state of the
CORBEL	PREC	AST		1									
STEPS	NONE			0									
	PREC												
WALLS		451		1									
FLOOR	PIP			1									
INVERT	PIP			1									
Surcharg			NONE E	/IDENT	Curre	ntly:		Feet	Marks To	:	Fee	et	ELOWA USBESSMENT
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect //H #	Invert Depth	Dia. (In.)	Pipe Material	Joint I Length	Depth (In.)	Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
	NE		03' 05"	15	ACP	Longth	5.00	0			0		
	NW		02' 06"	4	ACP		0.10	0			0 1	Andorata roata at pipa	connection
IN FRO	INVV		02 00	4	ACP		0.10	0			U	Noderate roots at pipe	Connection
Ουτ το	32		03' 05"	15	ACP		5.00	0			0		

Flow As	sessment Services,	LLC. Stru	icture I	nspec	tion L	og	✓ Surfa	ce 🗌	Internal	1
Municipality	y: Franklin, MA						Manhole No.:	45		N
Street:	Pond Street R.O.W.						Sub-System:	N/A		
Inspection [Date: 5/8/2013	Inspector:	RV/EM	F	Prefix #:					
Weather:	CLEAR	Temp:	0		Time:					
COVER CH Buried:	IARACTERISTICS / COMMENT	Drainage				(QTY	SIZE (In)	
		X			=	(SQFT)	Holes In Cover			
		Drainage X		(if applica X 0.3		(SQFT)				Ft. to DS MH #:
General Comments:						()				
INTERNAL I	MANHOLE OBSERVATIONS		Clear Ope	ening Dia	a.:	In.	Inside Frame D	ia.:	0 In.	
ITEM	MATERIAL	CONDITION	Leaks (gpm)	Photo		DE	FECTS			
FRAME		0								
CORBEL		0								
STEPS		0								
WALLS		0								
FLOOR		0								
INVERT		0								
Surcharge	From Invert: NONE EVI	DENT Curre	ently:		Feet	Marks To:	Feet			
LINE COND	DITIONS Rim To	Pipe		Flow	Debris	Pipe Conn	Line	Im	age Path:	
Direction (In / Out)	Connect Invert MH # Depth	Dia. Pipe (In.) Materia	Joint al Length	Depth	Depth (In.)	Leak	Cond Photo 1-5			Line Comments

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	tion	Log			✓ Surf	ace	Internal	1
Municipali	ty:	Franklin,Ma									Manl	hole No.	: 46		N
Street:		Pond Street	Easement									system:	N//		-46A
Inspection	Date:	5/8/2013		Inspe	ector:	EM/RV		Prefix #:	:	_					
Weather:		CLEAR		Temp):	0		Time:	15:49						- +45
COVER C	HARAC	TERISTICS /	COMMEN	тѕ	cc	OVER INF	LOW PO	ENTIAL	-						
L					-	Area 1:								QTY SIZE (In)	
Grade:	ABOVE		0.6 In.		3 X		X 0.3		2.7 (S	QFT)	Holes	s In Cover		2 1	
				Dra	•		(if applica								
	_				X		X 0.3	=	(50	QFT)					28 Ft. to DS MH #: 46A
General Comments															
			VATIONS			Clear O	pening Dia	a.: 2	3.88 In		Insi	de Frame	Dia.:	26.13 In.	
ITEM		MATERIAL		COND		Leaks	Photo			DEF	ECTS				1 American Alexandre
FRAME	CAST			2		(gpm)		Corrode	d						A Marine AMA State
CORBEL		/PARGED		1											
STEPS	ALUM			1											
WALLS	PREC	AST		1											
FLOOR	PARG	ED/BRICK		1											
INVERT	PARGE	ED/BRICK		1											
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:	-	Feet	Marks	s To:		Fee	et		1740 WASSUSSINGH
LINE CON									Pipe		_			Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction	Co	onnect	Rim To Invert	Pipe Dia.	Pipe	Joint	Flow Depth	Debri Dept				Line Cond			
(In / Out)	Γ	MH #	Depth	(In.)	Materia	al Lengt	h (ln.)	(ln.)) (gpm		Photo	1-5			Line Comments
IN FRO	45		20' 06"	24	VCP		6.00	0				0			
ουτ το	46A		20' 07"	24	VCP	,	6.00	0				0			
001 10	-07		20 07	27	VOI		0.00	U				U			

Flow A	ssess	sment Se	ervices	, LLC	Stru	cture	Inspec	ction L	og		✓ Surfa	ace	Internal	†
Municipali	ty:	Franklin,Ma								Man	hole No.:	46A		N
Street:		Pond Street	Easemen	t						Sub-S	System:	N/A		-47
Inspection	Date:	5/8/2013		Insp	ector:	EM/RV		Prefix #:						
Weather:		CLEAR		Tem		0	_	Time:	16:19	-				+East
Buried:	-	TERISTICS / CNI:		Dra	ainage / 3 X ainage /	2 2 Area 2:	K 0.3 (if applica	= able)	1.8 (SQFT		s In Cover	QTY 2	′ SIZE (Ir 2 1	n)
					Х		X 0.3	=	(SQFT))				Ft. to DS MH #:
General Comments		ab Recomme	endations:	Cement I	ining on	corbel								
INTERNAL	MANHO	DLE OBSER	ATIONS			Clear Op	ening Dia	a.:	24 In.	Insi	de Frame D	Dia.: 2	26.13 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		D	EFECTS				
FRAME	CAST			2	2	(31)		Corroded	I					
CORBEL	BRICK			2				Roots						
STEPS	ALUM			1										
WALLS	PREC	AST		1										
FLOOR	PARGE	ED		1										
INVERT	PARGE			1										
Surcharg			NONE E		Curre	ntlv		Feet	Marks To		Feet			Telesteresentismin
Direction (In / Out)	DITIONS		Rim To Invert Depth	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth (In.)	Pipe Conn	Photo	Line Cond 1-5		nage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
. ,	East	in i ir	17' 00"	12	VCP		1.00	0	(3P)			side dro	p	
IN FRO	46		18' 04"	24	RCP		6.00	0			0			
Ουτ το	47		18' 05"	24	RCP		6.00	0			0			

Flow A	ssess	sment Se	ervices,	LLC	. Stru	cture l	nspec	tion L	.og		✓ Surfa	ice 🗌	Internal	1
Municipali	ty:	Franklin,Ma								Ма	anhole No.:	47		N
Street:		Pond Street	Easement								b-System:	N/A		-47A
Inspection	Date:	5/8/2013		Insp	ector:	EM/RV	F	Prefix #:						
Weather:		CLEAR		Tem	p:	0		Time:	16:44					
COVER C	HARAC	TERISTICS /	COMMENT	-		VER INFI		ENTIAL						
Buried:		: 🗌 CNI:			ainage A					_		QTY	- ()	
Grade:	AT		ln.		3 X		• 0.3		2.7 (SQF	T) Ho	les In Cover	2	2 1	+46A
				Dra	-	Area 2:		,	(005	-				
					Х		X 0.3	=	(SQF)	1)				Ft. to DS MH #:
General Comments	s:													
INTERNAL	MANHO	DLE OBSER	VATIONS			Clear Op	ening Dia	ı.:	23 In.	Ir	nside Frame D	ia.:	26 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		I	DEFEC	тѕ			
FRAME	CAST			2	2			Corroded						
CORBEL	BRICK	/BLOCK/PAF	RGED	1										
STEPS	ALUM			1										
WALLS	PREC	AST		1										
FLOOR	PARG	ED/BRICK		1										
INVERT	PARGE	ED/BRICK		1										
Surcharg	e From	Invert:			Curre	ntly:		Feet	Marks To	b :	12 Feet			HEOWASSISSINGI
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	In	hage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect //H #	Invert Depth	Dia. (In.)	Pipe Materia	Joint Length	Depth	Depth (In.)		Phote	Cond			Line Comments
IN FRO	46A		14' 10"	24	RCP		6.00	0			0			
Ουτ το	47A		14' 11"	24	VCP		6.00	0			0			

Flow A	ssess	sment Se	ervices	s, LLC	Stru	cture I	nspec	tion L	.og		✓ Surf	ace	Integration	ernal	†
Municipali	ty:	Franklin,Ma								Man	hole No.	: 47/	4		N
Street:		Pond Street	Easemen	nt						Sub-	System:	N//	4		-48
Inspection	Date:	5/9/2013		Insp	ector:	EM/RV		Prefix #:		100					
Weather:		CLEAR		Tem		0	_		7:51	- 11					
COVER C	HARACT	TERISTICS /	COMME		CO	VER INFL			-						
				-	ainage A							G	ATY SIZ	E (In)	+SSE
Grade:	ABOVE		10 In.		3 X	3)	(0.3	= 3	2.7 (SQFT) Hole	s In Cover		2	1	+47
				Dra	ainage A		(if applica								
					Х		X 0.3	=	(SQFT)					97 Ft. to DS MH #: 47
General Comments		ab Recomme	endations:	: Cement I	ining on	corbel									
			ATIONS			Clear Op	ening Dia	a.: 2	0.5 In.	Insi	ide Frame	Dia.:	23.75	In.	
ITEM		MATERIAL		COND	ITION	Leaks	Photo		D	EFECTS	6				
FRAME	CAST			2		(gpm)		Corroded							
CORBEL	PARGE	-0		2				Roots							
	-	ED													
STEPS	ALUM			1											
WALLS	PRECA	AST		1											
FLOOR	PIP			1											
INVERT	PIP			1											
Surcharg	e From	Invert:	NONE E	VIDENT	Curre	ently:		Feet	Marks To	:	Fee	et			HELEOVE ASSESSMENT
LINE CON	DITIONS	\$		Dime			Flow	Debris	Pipe Conn		Line		Image	Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction		nnect	Rim To Invert	Pipe Dia.	Pipe	Joint	Depth	Depth	Leak	Dhata	Cond				Line Comments
(In / Out) IN FRO	SSE	/H #	Depth 05' 00"	(In.) 4	Materia PVC		1 (In.)	(In.)	(gpm)	Photo	1-5 0				Line Comments
											Ŭ				
IN FRO	47		07' 05"	24	VCP		6.00	0			0				
Ουτ το	48		07' 06"	24	VCP		6.00	0			0				

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture I	nspec	tion L	.og		Sur	face 🔽 Internal	
Municipal	ity:	Franklin,Ma								Man	hole No.	. 48	N
Street:		Pond Street	Easement							_	System:	N/A	-49
Inspection	Date:	5/9/2013		Inspec	ctor:	EM/RV	F	Prefix #:					
Weather:		CLEAR		Temp:		0		Time:	8:28				I 4 }
COVER C	HARAC	TERISTICS /	COMMEN	тѕ	CO	VER INFL	LOW POT	ENTIAL					
Buried:	CNL	: 🗌 CNI:			nage A							QTY SIZE (In)	
Grade:	ABOVE		1 In.		Х		K 0.3		2.7 (SQF1) Hole	s In Cover	6	+47A
				Drai	•		(if applica	,					
					Х		X 0.3	=	(SQF1)			Ft. to DS MH #:
General Comments		ab Recomme	endations:	Cement lin	ning on	corbel							
INTERNAL	MANHO	DLE OBSER	VATIONS	1		Clear Op	ening Dia	a.: 20).38 In.	Ins	ide Frame	Dia.: 23.75 In.	
ITEM		MATERIAL		CONDIT		Leaks (gpm)	Photo		[EFECTS	6		
FRAME	CAST			1									
CORBEL	BRICK			2				Roots					14
STEPS	STEEL	-		2				Corroded	l				
WALLS	BRICK			2				Roots					A starting and the starting of
FLOOR	BRICK	/PARGED		2				Roots					
INVERT	BRICK			1									
Surcharg	je From	Invert:	NONE EV	IDENT	Curre	ntly:		Feet	Marks To	:	Fee	ət	FLOUVASSUSTICAL
LINE CON	DITION	S	Dim Te	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Dia.	Pipe Material	Joint Length	Depth	Depth (In.)		Photo	Cond 1-5		Line Comments
IN FRO	47A		05' 02"	24	VCP	4	6.00	0			2 F	Roots at all joints	
Ουτ το	49		05' 03"	24	VCP	4	6.00	0			1	/ery light roots	

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture l	nspec	tion L	og		✓ Surfa	ace	Internal	
Municipali	ty:	Franklin,Ma								Man	hole No.:	49		N
Street:		Pond Street	Easemen	t						Sub-	System:	N/A		-50
Inspection	Date:	5/9/2013		Inspe	ctor:	EM/RV	i	Prefix #:						
Weather:		CLEAR		Temp):	0		Fime:	9:20					4 }
	-			-	CO linage /	VER INFI	OW POT	ENTIAL				0.7		
_		: 🗌 CNI:	LI In.		3 X		0.3	= 2	2.7 (SQF1) Hole	es In Cover		Y SIZE (In)	
	///			Dra	inage /		(if applica		X	,				
					x		X 0.3		(SQFT)				Ft. to DS MH #:
General Comments	s:													
INTERNAL	MANHO	OLE OBSER	VATIONS			Clear Op	ening Dia	.: 20	25 In.	Ins	ide Frame D	Dia.:	26.13 In.	
ITEM		MATERIAL		CONDI	TION	Leaks (gpm)	Photo		C	EFECTS	5			
FRAME	CAST			2				Corroded						
CORBEL	BLOCH	<		1				Very light	roots					
STEPS	STEEL	-		2				Corroded						
WALLS	BRICK			1				Very light	roots					A A IN THE REAL
FLOOR	BRICK	/PARGED		1										A CHERRY AND MARKED
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:		Feet	Marks To		Feet	t		HLOWASATSSTITUL
LINE CON									Pipe			I	mage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect VIH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)	Conn Leak (gpm)	Photo	Line Cond 1-5			Line Comments
IN FRO	48		09' 08"	24	VCP		6.00	0			0			
Ουτ το	50		09' 09"	24	VCP		6.00	0			0			

Flow A	ssess	sment Se	ervices	, LLC.	Stru	icture	Inspec	tion L	og		Sur	face 🗸 Internal	†
Municipali	ty:	Franklin,Ma								Man	hole No.	50	N
Street:		Pond Street	Easement							Sub-	System:	N/A	
Inspection	Date:	5/9/2013		Inspe	ector:	EM/RV	F	Prefix #:					-51.1
Weather:		CLEAR		Temp) :	0		Fime:	10:00				-{ }-
COVER C	HARAC	TERISTICS /	COMMEN	TS	cc	OVER INF	LOW POT	ENTIAL					
Buried: [: 🗌 CNI:			-	Area 1:						QTY SIZE (In)	
Grade:	AT		ln.		10 X		X 0.3		5.0 (SQF1) Hole	s In Cover	•	+49
				Dra	•		(if applica	,	<i></i>	_			
					Х		X 0.3	=	(SQFT)			170 Ft. to DS MH #: 51
General Comments	s:												
INTERNAL	MANHO	OLE OBSER	VATIONS	1			ening Dia	a.: 20	.63 In.	Ins	ide Frame	Dia.: 23.88 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo		C	DEFECTS	6		
FRAME	CAST			1									
CORBEL	BRICK	ζ.		2				Very light	roots				1. 1. LOUL AND
STEPS	STEEL	-		2				Corroded					
WALLS	BRICK	ζ.		1									
FLOOR	BRICK	/PARGED		1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:	1	Feet	Marks To	:	Fee	et	HUOVU/ISSRSSITIENT
LINE CON	DITIONS	S	Rim To	Pipe			Flow	Debris	Pipe Conn		Line	Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)		onnect VIH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint al Lengt	Depth	Depth (In.)	Leak (gpm)	Photo	Cond 1-5		Line Comments
IN FRO	49		09' 04"	24	VCP	° 4	7.00	0			2	/ery light roots at seco	ond joint
Ουτ το	51.1		09' 05"	24	VCP	2 4	7.00	0			1		

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	icture	Inspec	tion l	Log		Sur	face	Internal	↑
Municipali	ty:	Franklin,Ma								Ма	anhole No	.: 51		N
Street:		Pond Street	Easemen	t							b-System:	N/		-52
Inspection	Date:	5/9/2013		Inspe	ector:	EM/RV		Prefix #:						
Weather:		CLEAR		Temp) :	0		Time:	10:41					-{ }-
	-	TERISTICS / :		_	CC ainage /	OVER INF	LOW PO	FENTIAL					QTY SIZE (In)	↓ +51.1
L			LI In.		3 X		X 0.3	=	2.7 (SQF	т) на	oles In Cove		4 0.5	\sim
							(if applica		,	,				
					x		X 0.3	=	(SQF	Т)				Ft. to DS MH #:
General Comments	s:													
INTERNAL	MANHO	OLE OBSER	VATIONS	-1		Clear Op	ening Dia	a.: 2	9.25 In.	li li	nside Frame	Dia.:	31.75 In.	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)	Photo			DEFEC	TS			
FRAME	CAST			1										
CORBEL	PREC	AST		1										
STEPS	VINYL	COATED/AL	.UM	1										
WALLS	PREC	AST		1										
FLOOR	BRICK			1										
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:		Feet	Marks T	o:	Fe	et		FLOW/3SHOSEMUTE
LINE CON	DITION	S	Rim To	Pipe			Flow	Debri	Pipe s Conn		Line		Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin ,
Direction (In / Out)	1	onnect VIH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint al Lengt	Depth	Depti (In.)	h Leak	Phot	Cond			Line Comments
IN FRO	51.1		15' 01"	24	VCP	9 4	6.00	0			2			
ουτ το	52		15' 02"	24	RCP	° 4	6.00	0			1			

Flow A	ssess	sment Se	ervices	, LLC.	Stru	cture	Inspec	ction L	og		Surf	ace ✔ Internal	†
Municipali	ty:	Franklin,Ma								Ма	nhole No.	51.1	N
Street:		Pond Street	Easement							_	-System:	N/A	
Inspection	Date:	5/9/2013		Inspe	ector:	EM/RV		Prefix #:					-51
Weather:		CLEAR		Temp) :	0		Time:	10:17				
		TERISTICS /					LOW PO	FENTIAL					
_		: 🗌 CNI:			ainage /					-		QTY SIZE (In)	
Grade:	ABOVE		1 In.		3 X		X 0.3		2.7 (SQF	I) Ho	les In Cover		
				Dra	ainage A X		(if applica X 0.3		(SQF				
General					^		X 0.3	=	(SQF	1)			275 Ft. to DS MH #: 51
Comments	5:												
INTERNAL	NTERNAL MANHOLE OBSERVATIONS					Clear Op	ening Dia	a.: 20).38 In.	In	side Frame	Dia.: 23.75 In.	
ITEM	ITEM MATERIAL		COND		Leaks (gpm)	Photo			DEFECT	rs			
FRAME	CAST			1									
CORBEL	BRICK	,		1									
STEPS	NONE			0									
WALLS	BRICK			2				Very light	roots				
FLOOR	BRICK			2				Very light	roots				
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:	-	Feet	Marks T	o:	Fee	et	The service the service se
LINE CON	DITIONS	S							Pipe			Image Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin,
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Lengt		Debris Depth (In.)		Photo	Line Cond 1-5		Line Comments
	50		04' 05"	24	VCP		7.00	0			-	/ery light roots at all jo	pints except second joint which has moderate roots
Ουτ το	51		04' 06"	24	VCP	4	7.00	0			1 \	/ery light roots at all jo	pints

Flow A	ssess	sment Se	ervices	s, LLC	. Struc	cture I	nspec	tion l	Log		🗸 Su	rface	Internal	1
Municipali	ty:	Franklin,Ma								Mar	nhole No	5 2		N -53
Street:		Pond Street	Easemen	nt						Sub-	-System:	N/A		
Inspection	Date:	5/9/2013		Insp	ector:	EM/RV	F	Prefix #:		-				
Weather:		CLEAR		Tem		0		Time:	11:50	- 11				+East
Buried:	HARAC			D	CO rainage A 15 X		. OW POT		45.0 (SQFT) Hole	es In Cove		SIZE (In) 4 0.75	+51
				D	rainage A X		(if applica X 0.3	,	(SQFT)				Ft. to DS MH #:
General Comments														
	MANHO	OLE OBSER				Clear Ope		a.:	27 In.		side Frame	e Dia.:	31.25 In.	
ITEM		MATERIAL		CONI	DITION	(gpm)	Photo		D	EFECT	S			
FRAME	CAST				2			3" offset						
CORBEL	PREC	AST			1									
STEPS	ALUM				1									
WALLS	PREC	AST			1									
FLOOR	BRICK				1									
INVERT	BRICK				1									
Surcharg	e From	Invert:	NONE E	VIDENT	Curren	ntly:		Feet	Marks To	:	Fe	et		Lauovujassessment
LINE CON Direction (In / Out)	Co	S onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debri Depth (In.)	h Leak	Photo	Line Cond 1-5	In	nage Path:	P:\Franklin, MA 13040\Manhole Inspections\Franklin , Line Comments
IN FRO	East		12' 05"	12	VCP	4	1.00	0			0	Inside dro	р	
IN FRO	51		14' 07"	24	RCP	4	6.00	0			0			
Ουτ το	53		14' 08"	24	RCP	4	6.00	0			0			

Flow As	sessment Services	nspec	ction L	og	✓ Surfa	ce 🗌	Internal	1		
Municipality	y: Franklin,Ma						Manhole No.:	53		N
Street:	Pond Street Easement						Sub-System:	N/A		
Inspection I	Date: 5/9/2013	Inspector:	EM/RV		Prefix #:					
Weather:	CLEAR	Temp:	0		Time:	8:07				
COVER CH Buried:	HARACTERISTICS / COMMEN CNL: 🖌 CNI: 🗌	Drainage	COVER INFLOW PO ainage Area 1:					QTY	SIZE (In)	
		X			=	(SQFT)	Holes In Cover			
		Drainage X		(if applica X 0.3		(SQFT)				Ft. to DS MH #:
General Comments:				X 0.0		(04.1)				11. to 55 Mi1#.
INTERNAL I	MANHOLE OBSERVATIONS		Clear Ope	ening Dia	a.:	In.	Inside Frame D	ia.:	In.	
ITEM	MATERIAL	CONDITION	Leaks (gpm)	Photo		DE	FECTS			
FRAME		0								
CORBEL		0								
STEPS		0								
WALLS		0								
FLOOR		0								
INVERT		0								
Surcharge	Surcharge From Invert: NONE EVIDENT Currently: Fee						Feet			
LINE COND	NE CONDITIONS Rim To Pipe				Debris	Pipe Conn	Line	Ima	age Path:	
Direction (In / Out)	Connect Invert MH # Depth	Dia. Pipe (In.) Materia	Joint al Length	Flow Depth (In.)	Depth (In.)	Leak	Cond Photo 1-5			Line Comments

Production Summary

Sub-System	Municipality	Location	Log Date	Manhole	Length in Feet	To DS Manhole
NTERNAL INS	PECTION		1			
N/A	Franklin,Ma	Cottage Street S.C. Rossi Automotive	05/09/13	1A	23	2
N/A	Franklin,Ma	Cottage Street at Saxon Street	05/09/13	4	201	5
N/A	Franklin,Ma	Saxon Street Easement In rear of Fran	05/09/13	7		
N/A	Franklin, MA	24 Hayward Street	05/10/13	17	185	18
N/A	Franklin, MA	Hayward Street R.O.W.	05/08/13	22	242	23
N/A	Franklin, MA	Hayward Street Easement	05/09/13	23	175	24
N/A	Franklin, MA	Hayward Street Easement	05/09/13	24	178	25
N/A	Franklin, MA	Hayward Street Easement	05/09/13	25	167	26
N/A	Franklin, MA	Hayward Street Easement	05/09/13	26	117	27
N/A	Franklin, MA	Beaver Street R.O.W.	05/08/13	30		
N/A	Franklin, MA	Beaver Street R.O.W.	05/08/13	32	120	33
N/A	Franklin, MA	Beaver Street R.O.W.	05/08/13	33		
N/A	Franklin, MA	Beaver Street R.O.W.	05/09/13	34		
N/A	Franklin, MA	Beaver Street R.O.W.	05/10/13	36	430	37
N/A	Franklin, MA	Beaver Street R.O.W.	05/10/13	37	210	38
N/A	Franklin, MA	Beaver Street	05/10/13	38	160	37
N/A	Franklin, MA	Beaver Street R.O.W.	05/10/13	39	200	40
N/A	Franklin, MA	Beaver Street R.O.W.	05/10/13	40	60	40A
N/A	Franklin, MA	Beaver Street R.O.W.	05/09/13	40A	59	41
N/A	Franklin, MA	Beaver Street R.O.W. At railroad track	05/09/13	41	270	42
N/A	Franklin, MA	Beaver Street R.O.W.	05/08/13	44		
N/A	Franklin,Ma	Pond Street Easement	05/09/13	48		
N/A	Franklin,Ma	Pond Street Easement	05/09/13	50	170	51
N/A	Franklin,Ma	Pond Street Easement	05/09/13	51		
N/A	Franklin,Ma	Pond Street Easement	05/09/13	51.1	275	51
	Manhol	es Logged for sub-system: N/A	25	4		

Total INTERNAL INSPECTION 25

INSPECTED FROM SURFACE

N/A Franklin,Ma Cottage Street S.C. Rossi Automotive 05/09/13 1 13 1A	N/A	Franklin,Ma	Cottage Street S.C. Rossi Automotive	05/09/13	1 1:	3 1A
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Sub-System	Municipality	Location	Log Date	Manhole	Length in Feet	To DS Manhole
N/A	Franklin,Ma	Cottage Street at Union Street	05/09/13	2	202	3
N/A	Franklin,Ma	Cottage Street Front of Aubuchon Hard	05/09/13	3	212	46
N/A	Franklin,Ma	Saxon Street	05/09/13	5	151	6
N/A	Franklin,Ma	Saxon Street Easement In front of Fra	05/09/13	6	171	7
N/A	Franklin, MA	Cottage Street R.O.W.	05/10/13	8		
N/A	Franklin,Ma	Fisher Street Easement	05/10/13	9		
N/A	Franklin, MA	Cottage Street R.O.W.	05/10/13	10	172	11
N/A	Franklin, MA	Fisher Street at Sugarbeet Road	05/10/13	11	192	12
N/A	Franklin, MA	131 Fisher Street	05/10/13	12	193	13
N/A	Franklin, MA	129 Fisher Street	05/10/13	13	188	14
N/A	Franklin, MA	121 Fisher Street	05/10/13	14	180	15
N/A	Franklin, MA	Hayward Street at Fisher Street	05/10/13	15	176	16
N/A	Franklin, MA	14 Hayward Street	05/10/13	16	177	17
N/A	Franklin, MA	42 Hayward Street	05/10/13	18	186	19
N/A	Franklin, MA	42 Hayward Street	05/09/13	19	185	20
N/A	Franklin, MA	31 Hayward Street	05/09/13	20	190	21
N/A	Franklin, MA	31 Hayward Street (lawn)	05/09/13	21	193	22
N/A	Franklin, MA	Master Drive	05/09/13	27	175	28
N/A	Franklin, MA	Beaver Street at railroad crossing	05/09/13	29		
N/A	Franklin, MA	Beaver Street R.O.W.	05/08/13	31		
N/A	Franklin, MA	West Central Street R.O.W.	05/10/13	42	218	43
N/A	Franklin, MA	Franklin Plaza (rear)	05/09/13	43		
N/A	Franklin, MA	West Central Street R.O.W.	05/09/13	44A		
N/A	Franklin,Ma	Pond Street Easement	05/08/13	46	28	46A
N/A	Franklin,Ma	Pond Street Easement	05/08/13	46A		
N/A	Franklin,Ma	Pond Street Easement	05/08/13	47		
N/A	Franklin,Ma	Pond Street Easement	05/09/13	47A	97	47
N/A	Franklin,Ma	Pond Street Easement	05/09/13	49		

					Length	To DS
Sub-System	Municipality	Location	Log Date	Manhole	in Feet	Manhole
N/A	Franklin,Ma	Pond Street Easement	05/09/13	52		
	Manholes	Logged for sub-system: N/A	30			
		Total INSPECTED FROM SURFACE	30			

Total Manholes Logged: 55

Sub-System	Municipality	Location	Log Date	Manhole	Length in Feet	To DS Manhole
COULD NOT L	OCATE					
N/A	Franklin, MA	Master Drive R.O.W.	05/09/13	28		
N/A	Franklin, MA	Beaver Street R.O.W.	05/09/13	35		
N/A	Franklin, MA	Pond Street R.O.W.	05/08/13	45		
N/A	Franklin,Ma	Pond Street Easement	05/09/13	53		
N	Ianholes Logged as:	COULD NOT LOCATE		4		
	Manholes Attempte	d but not inspected for sub-system: N	/A	4		

Total Manholes attempted but not inspected: 4

Grand Total of all manhole logs: 59