Flow As	ssess	sment Se	ervices	, LLC. S	tructu	e In	spectior	Lo	g	🖌 Su	face [Internal	
Municipali	ty:	Hull, MA								Manhole No	2069	6	1
Street:		40 Whitehea	d Avenue							Sub-System			
Inspection	Date:	4/29/2020		Inspecto	or: MA		Map #						+NW Y
COVER C	HARAC	TERISTICS /	COMMEN	тз	COVER	INFLO		AL		COV	ER HOL	ES	
Buried:	CNL	CNI:		Drain	age Area '	: Pav	/ement				QTY	SIZE (In)	
Grade:	AT		In.	30	X 2	Х	0.9 =	54	(SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia			Drain	age Area 2	2:		(if a	pplicable)	Lift Hole(s)			-20708
Inside Fra		-			х	Х	0.9 =		(SQFT)	Other Hole(s)			-20708
Frame Hei	-		ln.	Inflow	Not likely:		Area Subject	To Flo	oding:				199 Ft. to DS MH #: 20708
Cover Typ								_	· ·				Cracked pavement surrounding frame
Cover Cond		und: 🖌 Bolts		Corroc	led:	Cracked		• _		•	straint De		
INTERNAL	MANHO	DLE OBSERV	ATIONS				Number	of Fra	me Adjust	ment Rings:		0	
ITEM		MATERIAL		CONDITI	ON Lea (gp				DE	EFECTS			
FRAME	CAST			1									
CORBEL	BRICK			2		М	issing mortar						
STEPS	NONE			0									
WALLS	BRICK			1									
+							issing mortar						
FLOOR	BRICK			2			0						
INVERT	BRICK			2		М	issing mortar						
Surcharg	e From	Invert:	NONE EV	IDENT (Currently:		Feet	N	larks To:	Fe	et		
LINE CON	DITIONS	5	Rim To	Pipe			Flow De	oris	Line			Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction (In / Out)		onnect VIH #		Dia. (In.) I	•	oint ength	Depth De	pth n.)	Cond (1-5)				Line Comments
IN FROM	NW		03' 04"	6	VCP		0	0	0	Service			
OUT TO	20708		03' 10"	8	VCP		0	0	0				

Flow Ass	sessment Services,	LLC. Stru	icture li	nspection	_og	✓ Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipality	r: Hull, MA					Manhole No.:	20702	2	
Street:	39 Edgewater Road					Sub-System:	4		
Inspection D	Date: 4/29/2020	Inspector:	MA	Map #:					
COVER CH	ARACTERISTICS / COMMEN	rs co	OVER INFL	OW POTENTIAL		COVE	R HOLE	S	
Buried:	CNL: 🗌 CNI: 🖌	Drainage	Area 1: P				QTY	SIZE (In)	
Grade: A	T In.	x	Х	0.9 =	(SQFT)	Pick Hole(s)	2	2	
Clear Openi	ing Dia.: In.	Drainage	Area 2: S	oil	(if applicable)	Lift Hole(s)			
Inside Fram		x	X	(0.3 =	(SQFT)	Other Hole(s)			
Frame Heigh		Inflow Not I	ikely:	Area Subject To	Flooding:				249 Ft. to DS MH #: 20715
Cover Type:		<u>.</u>							 Cannot open
Cover Cond:	Sound: Bolts Missing:	Corroded:	Crack	ed: 🗌 Missing:	Restrain	t Missing: 📃 Rest	raint Def	ective:	
INTERNAL M	MANHOLE OBSERVATIONS			Number of	Frame Adjustn	nent Rings:			
ITEM	MATERIAL	CONDITION	Leaks (gpm)		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 CONDI	ITIONS Rim To	Pipe		Flow Debri	s Line		Ir	mage Path:	
Direction (In / Out)		Dia. (In.) Pipe Materia	Joint al Length	Depth Depti (In.) (In.)	n Cond				Line Comments

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture li	nspect	ion L	og	🖌 Su	rface [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No	2070	8	+20696
Street:		34 Whitehea	ad Avenue	;						Sub-Systen			
Inspection	Date:	4/29/2020		Inspe	ector:	MA	Ma	ap #:					
COVER C	HARAC	TERISTICS /	СОММЕ		CC	OVER INFL		-		CO	ER HOL	ES	
Buried:	CNL	CNI:		Dra	ainage	Area 1: P	avement				QTY	SIZE (In)	
Grade:	AT		In.		2 X	2 X	0.9 =		4 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia			Dra	ainage	Area 2:		(if	applicable)	Lift Hole(s)			-20718
Inside Fra		-	In.		Х	>	(0.9 =		(SQFT)	Other Hole(s)			-20710
Frame Hei Cover Typ	•		ln.	Infl	ow Not li	kely: 🖌	Area Sub	oject To F	looding:				170 Ft. to DS MH #: 20718
Cover Typ		und: 🔽 Bolt	e Missina:		rroded:	Crack	ad. 🗆 N	Missing:	- Rostrai	nt Missing: 🥅 R	etraint De	efective:	Cracked pavement surrounding frame
			-		noueu.			•	rame Adjust	•		0	
			VATIONS			Leaks							
ITEM		MATERIAL		COND	IIION	(gpm)			DE	EFECTS			H AND A CONTRACT OF A CONTRACT
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	PREC	AST		3		0.1	Weeping in	filtration					
FLOOR	BRICK			2			Missing mo	rtar					
INVERT	BRICK			1									
Surcharg			NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Fe	et		STEFOIN IS
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line			Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction		onnect	Invert	Dia. (In.)	Pipe	Joint	Depth	Depth	Cond (1-5)				Line Comments
(In / Out) IN FROM		VIH #	Depth 06' 06"	8	Materia VCP	- J.	(In.) 0.10	(In.) 0	0				
				-				-	-				
Ουτ το	20718		06' 07"	8	VCF	•	0.10	0	0				

Flow A	ssess	sment Se	ervices	s, LLC	. Stru	cture Ir	nspect	ion L	og	🖌 Surf	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2071	8	+20708
Street:		27 Whitehea	ad Avenue	9						Sub-System			
Inspection	Date:	4/29/2020		Insp	ector:	MA	Ма	ap #:					
COVER C	HARAC	TERISTICS /			CC			ENTIAL		COVE		S	
Buried:	CNL	CNI:		Dr	ainage /	Area 1: Pa	avement				QTY	SIZE (In)	
Grade:	AT		In.	:	50 X	2 X	0.9 =	. 9	90 (SQFT)	Pick Hole(s)	2	1.5	N
Clear Ope	ning Dia		In.	Dr	ainage /	Area 2:		(if	applicable)	Lift Hole(s)			-20725
Inside Fra		-	In.		Х	х	0.9 =		(SQFT)	Other Hole(s)			-20723
Frame Hei Cover Typ	-		In.	Infl	ow Not li	kely:	Area Sub	ject To Fl	ooding:]			172 Ft. to DS MH #: 20725
Cover Typ		und: 🖌 Bolt	e Missina:		rroded:	Cracke	ad. 🗆 M	Aissing:	Restrair	nt Missing: 🗌 Res	traint De	fective:	Cracked pavement surrounding frame
					noueu.			-	rame Adjustr			0	
		MATERIAL	VATIONS			Leaks						•	
ITEM		WATERIAL		CONL	DITION	(gpm)			DE	FECTS			FUL ME - CARDON
FRAME	CAST			1	I								
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT				-									
	PARGE			1			_						Total And
Surcharg			NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Fee	t		
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction (In / Out)		onnect MH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM		πι ι <i>π</i>	05' 03"	8	VCP	-	0.10	0	0				
ουτ το	20725		05' 04"	8	VCP		0.10	0	0				
				-				-	-				

Flow A	ssessn	nent Se	ervices	s, LLC.	Struc	ture l	nspecti	ion Lo	og	🗸 Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty: H	lull, MA								Manhole No.:	2072	3	
Street:	9:	3 Hampton	Circle							Sub-System:			
Inspection	Date: 5/	/4/2020		Inspe	ector:	MA	Ма	ip #:					+20729
		RISTICS /					OW POTE	NTIAL		COVE	R HOLE	ES	
_		CNI:			-	rea 1: P		_			QTY	SIZE (In)	
Grade:			In.		50 X		0.9 =		0 (SQFT)				\sim
Clear Ope	-	22 24		Dra	ainage Ai			,	applicable)	.,			-20724
Inside Fra Frame Hei			ın. In.		Х	-	(0.9 =		(SQFT)	Other Hole(s)			
Cover Typ	-			Inflo	ow Not like	ely:	Area Subj	ject To Flo	ooding:				119 Ft. to DS MH #: 20724
Cover Cond		d: 🖌 Bolts	s Missing:	Cor	roded:	Crack	ed: 🕅 M	lissing:	Restraii	nt Missing: 🦳 Rest	raint De	fective:	
INTERNAL	MANHOL		ATIONS				Num	nber of Fr	ame Adjusti	ment Rings:		0	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DE	FECTS			1 A Manager
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From Inv	vert:	NONE E	VIDENT	Curren	ntly:	Fe	et I	Marks To:	Feet	:		E(2.2.2/
LINE CON	DITIONS		Dim Te	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)	Conr MH		Rim To Invert Depth	Dia. (In.)	Pipe Material	Joint Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20729		05' 00"	6	VCP		0.10	0	0				
OUT TO	20724		05' 01"	6	VCP		0.10	0	0				

Municipality: Hull, MA Manhole No.: 20724 Street: 99 Hampton Gircle Sub-System: 4 Inspector Bite discontrational discontedimentedina discontrational discontrate discontrational discont	Flow A	ssess	ment Se	ervices	, LLC.	Struc	ture l	nspec	ction L	_og	✓ Surf	ace [Internal	LINE ORIENTATION
Sub-System: 4 Inspection Date: Sub-System: 4 Sub-System: 4 Sub-System: 4 Sub-System: 4 Sub-System: 4 COVER CHARACTERISTICS / COMMENTS Buried: COVER INFLOW POTENTIAL Drainage Area 1: Powement Grade: COVER COVER INFLOW POTENTIAL Drainage Area 2: COVER INFLOW POTENTIAL Drainage Area 3: COVER INFLOW Cover INFLOW Cover INFLOW Potential Missing: Cover INFLOW Cover	Municipali	ty:	Hull, MA								Manhole No.	2072	4	
Inspection Date: 5/4/2020 Inspector: MA Map #: COVER CHARACTERISTICS / COMMENTS Buried: COVER NELCW POTENTAL Caracteristic of the comments COVER NELCW POTENTAL Drainage Area 1: Pavement: COVER NELCW POTENTAL Drainage Area 1: Pavement: COVER NELCW POTENTAL OTV SIZE (In) COVER NELCW POTENTAL Drainage Area 1: Pavement: COVER NELCW POTENTAL Drainage Area 1: Pavement: COVER NELCW POTENTAL Drainage Area 1: Pavement: COVER NELCW POTENTAL Drainage Area 2: COVER NELCW POTENTAL Number of Frame Adjustment Rings: 0 205 Ft. to DS MH #: 20737 VICENDER CONDITION Leaks (gpm) DEFECTS 0 0 0 FRAME CAST	Street:		99 Hampton	Circle										
Buried: CNL:	Inspection	Date:	5/4/2020		Inspec	ctor:	ЛА	ſ	Map #:					+20723
Grade: AT In. 20 X 20 X 0.9 = 360 (SQFT) Pick Hole(s) 2 1 Clear Opening Dia: 22 In. Drainage Area 2: (if applicable) Lift Hole(s) - <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>COVE</th><th>R HOLI</th><th>ES</th><th></th></t<>											COVE	R HOLI	ES	
Clear Opening Dia: 22 In. Inside Frame Dia: 24 In. 24 In. Frame Height: Drainage Area 2: (if applicable) Lift Hole(s)			CNI:									QTY	SIZE (In)	~ ~ ~
Inside Frame Dia: 24 In. In. Intervention Intervention Other Hole(s)								0.9			.,	2	1	
Frame Height: 6 In. Inflow Not likely: A rea Subject To Flooding: Image Path: 295 Ft. to DS MH #: 20737 Cover Cond: Sound: Botts Missing: Corroded: Orned Image Path: 205 Ft. to DS MH #: 20737 INTERNAL MANHOLE OBSERVATIONS Number of Frame Adjustment Rings: 0 Image Path: 0 ITEM MATERIAL CONDITION Leaks (gmm) DEFECTS 0 FRAME CAST 1 Image Path: Conception Image Path: C.UsersVFAS2020ADesktopHull MH photosIS-4-2020USC INVERT BRICK 1 Image Path: C.UsersVFAS2020ADesktopHull MH photosIS-4-2020USC LINE CONDITIONS Time Dia. (In.) Pipe Joint Depth Cond Direction Connect Image Path: C.UsersVFAS2020ADesktopHull MH photosIS-4-2020USC Line Comments N RNM ## Depth Direction Material Length Cond Image Path: C.UsersVFAS2020ADesktopHull MH photosIS-4-2020USC N RNM ## Depth Direction Connect Image Path: CutsersVFAS2020ADesktopHull MH photosIS-4-2020USC N RNM ### Depth	-	-			Drai	-				,				-20737
Cover Type: Solid 295 Ft. to DS MH #: 20737 Cover Cond: Sound: © Bolts Missing: Corroded: Cracked: Missing: Restraint Missing: Restraint Defective: Image Path: INTERNAL MANHOLE OBSERVATIONS Number of Frame Adjustment Rings: 0 Image Path: Image Path: Image Path: Image Path: Conduction of the path of the path: ITEM MATERIAL CONDITION Leaks Image Path: Condition of the path: Image Path: Image Path: Condition of the path:							-							
Cover Covid: Sound: Bolts Missing: Corroded: Cracked: Missing: Restraint Missing: Restraint Defective: INTERNAL MANHOLE OBSERVATIONS Number of Frame Adjustment Rings: 0 ITEM MATERIAL CONDITION Leaks (gpm) DEFECTS FRAME CAST 1 1 CORBEL BRICK 2 Roots STEPS BRICK 1 1 WALLS BRICK 2 Roots FLOOR BRICK 1 1 INVERT BRICK 1 INVERT NONE EVIDENT Currently: Pipe Direction Condet Invert Direction Direction Connect Invert Direction Min ## Depth Direction Connect Invert Direction Of 09" 6 VCP 0.25 0 0		-			Inflo	w Not like	ly:	Area Si	ubject To	Flooding: 🗸				295 Ft. to DS MH #: 20737
ITEM MATERIAL CONDITION Leaks (gpm) DEFECTS FRAME CAST 1				s Missing:	Corr	oded:	Crack	(ed:	Missing:	Restrain	nt Missing: 🦳 Res	traint De	fective:	
Item MATERIAL CONDITION (gpm) DEFECTS FRAME CAST 1 1 Image Path: Constant of the comments CORBEL BRICK 2 Roots Image Path: Constant of the comments WALLS BRICK 1 Image Path: Constant of the comments Image Path: CitylersikFAS2020Al/Desktop/Hull MH photos/5-4-2020/DSC IN FROM 20723 06' 09" 6 VCP 0.25 0 0	INTERNAL	. MANHO		ATIONS				N	lumber of	Frame Adjustr	nent Rings:		0	
CORBEL BRICK 2 Roots STEPS BRICK 1 2 Roots WALLS BRICK 2 Roots Image Path: Competition INVERT BRICK 1 Image Path: C:Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC Direction Connect Rim To Pipe Joint Pipe Depth Cond IN FROM 20723 06'09' 6 VCP 0.25 0 0	ITEM		MATERIAL		CONDI					DE	FECTS			
STEPS BRICK 1 I Rods Image Path C:Users\FAS2020AlDesktop\Hull MH photos\5-4-2020DSC WALLS BRICK 1 Image Path C:Users\FAS2020AlDesktop\Hull MH photos\5-4-2020DSC INVERT Rim To In / Or MH # Pipe Direction (In / Out) Pipe MH # Joint Depth Flow Depth Depth (In, I) Image Path C:Users\FAS2020AlDesktop\Hull MH photos\5-4-2020DSC Direction Connect (In / Out) MH # Diot Dot 0 Flow Depth Depth (In, I) Line (In / Out) Image Path C:Users\FAS2020AlDesktop\Hull MH photos\5-4-2020DSC Direction Connect (In / Out) MH # Dot Image Path C:Users\FAS2020AlDesktop\Hull MH photos\5-4-2020DSC Direction Cond (In / Out) Of '09" 6 VCP 0.25 0 0	FRAME	CAST			1									
WALLS BRICK 2 Roots FLOOR BRICK 1 Image Path C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC INVERT Ronct Image Path C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC Line Connect Image Path Direction Condect Pipe Material Joint Material Pipe Material Joint Length Depth Cond (1-5) IN FROM 20723 06'09'' 6 VCP 0.25 0 0	CORBEL	BRICK			2			Roots						
WALLS BRICK 2 Roots FLOOR BRICK 1 Comments Comme	STEPS	BRICK			1									
FLOOR BRICK 1 1 I	WALLS	BRICK			2			Roots						
INVERT BRICK 1 Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet LINE CONDITIONS Rim To Invert Pipe Dia. (in.) Pipe Dia. (in.) Depth (in.) Depth (in.) Cond (1-5) Direction (in / Out) MH # Depth Depth Joint Length Depth (in.) Old Old IN FROM 20723 06' 09" 6 VCP 0.25 0 0	÷	BRICK												
Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC LINE CONDITIONS Rim To Invert (In / Out) Pipe Dia. (In.) Depth Joint Length Debris (In.) (In.) Line Cond (1-5) Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC IN FROM 20723 06' 09" 6 VCP 0.25 0 0 0	-	BRICK			1									
Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC Direction (In / Out) Connect MH # Pipe Depth Pipe Doint Length Flow (In.) Debris Depth (In.) Line Cond (1-5) Cond (1-5) Line Cond (1-5) C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC IN FROM 20723 06' 09" 6 VCP 0.25 0 0 0	Surchard		nvert:			Current	tlv:		Feet	Marks To	Fee	t		C(ADW)
Rim ToPipeFlowDebrisLineDirectionConnectInvertDia. (In.)PipeJointDepthDepthCond(In / Out)MH #DepthDepthLength(In.)(I-5)Line CommentsINFROM2072306' 09"6VCP0.2500						ourrent	uy.				100	-	mage Dath	C:\ sers\FAS2020A\Deskton\Hull MH nbotos\5-4-2020\DSC
(In / Out) MH # Depth Material Length (In.) (I-5) Line Comments IN FROM 20723 06' 09" 6 VCP 0.25 0 0	Direction	C	nnoct			Pine	loint			-			mage i atti.	
	(In / Out)	M												Line Comments
OUT TO 20737 06' 09" 8 VCP 0.25 0.25 0	IN FROM	20723		06' 09"	6	VCP		0.25	0	0				
	ουτ το	20737		06' 09"	8	VCP		0.25	0.25	0				

Flow A	ssess	sment Se	ervices	, LLC.	Struc	ture l	nspect	ion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2072	5	+20718
Street:		18 Whitehea	ad Avenue							Sub-System:			
Inspection	Date:	4/29/2020		Inspec	ctor:	ЛА	Ma	ap #:					YX
Buried: [Grade: Clear Ope Inside Fra	CNL AT ning Dia me Dia.	: 26		Drai 7! Drai	inage Aro 5 X inage Aro X	ea1: P 2 X ea2:)	OW POTE Pavement 0.9 =	: 13 (if	35 (SQFT) applicable) (SQFT)	COVE Pick Hole(s) Lift Hole(s) Other Hole(s)	R HOLE QTY 4 	ES SIZE (In) 1 	-20731
Frame Hei Cover Typ	-	nted		Inflo	w Not like	ly:	Area Sub	oject To Fl	looding:				178 Ft. to DS MH #: 20731
Cover Conc		und: 🖌 Bolt	s Missing:	Corr	oded:	Crack	ied: 🗌 N	Aissing:	Restrain	t Missing: 📃 Rest	raint Def	fective:	Cracked pavement surrounding frame
INTERNAL	MANHO	OLE OBSER	VATIONS	-			Nu	mber of F	rame Adjustn	nent Rings:		0	
ITEM		MATERIAL		CONDI		Leaks (gpm)			DE	FECTS			
FRAME	CAST			1									17 June 1 States of States
CORBEL	BRICK	<u> </u>		3		0.1	Missing mo	rtar, Weep	oing infiltration				
STEPS	NONE			0									
WALLS	BRICK	<u> </u>		3			Weeping in	filtration					
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EV	IDENT	Curren	tly:	Fe	eet	Marks To:	Feet			
LINE CON Direction (In / Out)	Co	S onnect MH #	Depth	T	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)		l	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS Line Comments
IN FROM	20718		05' 08"	8	VCP		0.10	0	0				
Ουτ το	20731		05' 10"	8	VCP		0.10	0	0				

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture l	nspecti	ion L	og	🖌 Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2072	8	+20715
Street:		22 Edgewate	er Road							Sub-System:			
Inspection	Date:	4/29/2020		Inspe	ector:	MA	Ма	ар #:					Y Y
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	со	VER INFL	OW POTE	NTIAL		COVE	R HOLE	ES	
Buried:	CNL	CNI:		Dra	ainage A	Area 1: P	avement				QTY	SIZE (In)	
Grade:	AT		In.	-	75 X	2 X	0.9 =	13	35 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	-			Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20746
Inside Fra					Х	-	(0.9 =		(SQFT)	Other Hole(s)			-20140
Frame Hei Cover Typ	-		In.	Infl	ow Not lil	kely:	Area Subj	ject To Fl	looding:				330 Ft. to DS MH #: 20746
Cover Typ		ınd: 🔽 Bolt	e Missina:		rroded:	Crack	od: 🗆 M	lissing:	Rostrain	t Missing: 🗌 Rest	raint Do	fective:	Cracked and missing pavement surrounding frame
					roueu.			•	rame Adjustn	•	raint De		
			VATIONS			Leaks	Null		•			0	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			A STATE OF A
FRAME	CAST			1									E a
CORBEL	BRICK			2			Missing mor	rtar					
STEPS	ALUM			1									
WALLS	PREC	AST		1									A REAL PROPERTY AND A REAL
FLOOR	BRICK			1									
INVERT	BRICK			4		0.25	Running infil	Itration at	incoming pipe				
										_			E FLOW
Surcharg			NONE E	VIDENT	Curre	ntly:	Fe	et	Marks To:	Feel			
LINE CON	DITIONS		Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction (In / Out)		onnect //H#	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM			11' 04"	8	ACP	Longu	0.25	0	0				
OUT TO	20746		11' 04"	8	ACP		0.25	0	0				

Flow A	ssess	sment Se	ervice	s, LLC.	Stru	cture l	nspect	ion Lo	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20729)	+20738
Street:	-	89 Hampton	Circle							Sub-System:			
Inspection	Date:	5/4/2020		Inspe	ector:	MA	Ma	ap #:		-			Y Y
•		TERISTICS /	COMME					-		COVE	R HOLE	s	+West-
	CNL:					Area 1: P					QTY	SIZE (In)	
Grade:	BELOW		0.25 In.	1	50 X	2 X	0.9 =	27	0 (SQFT)	Pick Hole(s)	2	1	
Clear Ope	ning Dia			Dra	ainage /	Area 2:		(if a	applicable)	Lift Hole(s)			-20723
Inside Fra					Х)	(0.9 =		(SQFT)	Other Hole(s)			-20723
Frame Hei Cover Typ	•		In.	Infl	ow Not li	kely:	Area Sub	ject To Flo	ooding:				162 Ft. to DS MH #: 20723
Cover Typ		ınd: 🖌 Bolt	e Missina:		roded:	Crack	ed: 🗆 N	/lissing: [- Postrain	t Missing: 🔲 Rest	raint Do	ective:	
					roucu.			•	ame Adjustm	U		0	
ITEM		MATERIAL	Anono	COND		Leaks				FECTS			1 /a the stand
1		MATERIAL		COND		(gpm)			DE	FECIS			
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mo	rtar					- Maria and Part
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
							E .			E			E(Elow
Surcharg			NONE E	VIDENT	Curre	ently:	Fe	eet l	Marks To:	Feet			
			Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)		onnect //H#	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	West		05' 00"	6	VCP	•	0.10	0	0 S	start of line			
IN FROM	20738		05' 01"	6	VCP	,	0.10	0.00	0				
			50 01				0.10	0.00	Ű				
Ουτ το	20723		05' 02"	6	VCP		0.25	0	0				

Flow As	ssess	ment Se	ervices	s, LLC.	Stru	cture I	nspect	ion Lo	og	✓ Surf	face	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	20731		+20725
Street:		14 Whitehea	ad Avenue	;						Sub-System			
Inspection	Date:	4/29/2020		Inspe	ector:	MA	M	ap #:					Y Y
		ERISTICS /	COMME	-			.OW POTE	-		COVE	ER HOLE	s	+East
Buried:	-			-		Area 1: P				0011		SIZE (In)	
Grade:	AT		 In.		50 X		(0.9 =	27	70 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia.	: 24	In.	Dra	inage A	rea 2:		(if	applicable) Lift Hole(s)			007.45
Inside Fra		26			Х	2	X 0.9 =		(SQFT)	Other Hole(s)			-20745
Frame Hei	•		In.	Infle	ow Not lik	kely:	Area Sub	ject To Fl	ooding:				259 Ft. to DS MH #: 20745
Cover Typ Cover Cond		a nd: 🖌 Bolt:	e Missina:		roded:	Crack	rad: 🗆 🛚	lissing:	Postrai	nt Missing: 🕅 Res	traint Dof	ective:	Cracked pavement surrounding frame
					roueu.			-		ment Rings:		0	
		MATERIAL	VATIONS			Leaks						•	
ITEM		MATERIAL		COND		(gpm)			D	EFECTS			
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mo	rtar					A Maria and A Maria
STEPS	BRICK			1									A CONTRACTOR OF A STATE
WALLS	BRICK			1									
FLOOR	BRICK			4		0.25	Running inf	iltration					
INVERT	PARGE	D		1									
			NONE E	_	Curre	mélyez	E.	et	Marks To:	Fee			ELOW
Surcharge		ivert.	NONE E	VIDENT	Curre	nuy.	L C	el	IVIAI KS TU:	ree		nogo Doth.	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
			Rim To	Pipe	Dine		Flow	Debris	Line Cond		II	nage Path:	C.1058151FA32020A1De5Kt0p1Hull Min photos14-23-20201D5
Direction (In / Out)		nnect H #	Invert Depth	Dia. (In.)	Pipe Material	Joint I Length	Depth (In.)	Depth (In.)	(1-5)				Line Comments
IN FROM	East		04' 03"	4	PVC		0	0	0	Service			
IN FROM	20725		04' 06"	8	VCP		0.10	0	0				
				-					-				
Ουτ το	20745		04' 08"	8	VCP		0.25	0	0				

Flow As	ssess	sment Se	rvices	, LLC. Str	ucture	Inspect	ion Lo	og	✓ Surf	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA							Manhole No.	2073	4	+NE
Street:		Nantasket Av	ve (near Cu	umberland Far	ns)				Sub-System			
Inspection	Date:	4/29/2020		Inspector:	MA	Ма	ap #:					Y X
COVER C	HARAC	TERISTICS /	COMMEN	TS 0	OVER INF	LOW POTE	INTIAL		COVE	R HOLI	ES	
Buried:	CNL	CNI:		Drainage	e Area 1:					QTY	SIZE (In)	
Grade:	AT		ln.	2	(2 2	X 0.9 =		4 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	-			Drainage	e Area 2:		(if	applicable)) Lift Hole(s)			-20740
Inside Fra		-			x	X 0.9 =		(SQFT)	Other Hole(s)			-20140
Frame Hei	-		ln.	Inflow No	likely: 🗸	Area Sub	ject To Flo	ooding:				120 Ft. to DS MH #: 20740
Cover Typ Cover Cond			Missing			kadı 🗔 N	lissing:	🗆 Bestrai	nt Missing: 🦳 Res	traint Da	fective:	Cracked pavement surrounding frame
		und: 🖌 Bolts		Corroded	Crac				•	traint De		
	MANHC	DLE OBSERV	ATIONS		Leaks	Nur	mber of Fr		ment Rings:		0	
ITEM		MATERIAL		CONDITION	(gpm)			DI	EFECTS			
FRAME	CAST			1								
CORBEL	BRICK			2		Missing mo	rtar					
STEPS	NONE			0								
WALLS	BRICK			1								The second second second
FLOOR	BRICK			2		Missing mo	rtar					NER - AN AV
INVERT	BRICK			1								A REAL MADE
Surcharg	e From	Invert:	NONE EV	IDENT Cui	rently:	Fe	et I	Marks To:	Fee	t		CEPOW .
LINE CON	DITIONS	6								I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction (In / Out)		onnect //H #	Rim To Invert Depth	Pipe Dia. (In.) Pip Mate		-	Debris Depth (In.)	Line Cond (1-5)				Line Comments
IN FROM	NE		01' 11"	4 CI	-	0	0	0	Service			
ουτ το	20740		01' 11"	6 VC	P	0	0	0				

Flow A	ssess	sment Se	ervices	, LLC. S	ructure	Inspecti	on Lo	og	✓ Surf	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA							Manhole No.	2073	5	+North
Street:		6 Old Colony	Road						Sub-System			1 miles
Inspection	Date:	4/30/2020		Inspecto	r: MA	Мај	p #:					Y Y
		TERISTICS /			COVER INF ge Area 1:	FLOW POTEN	NTIAL		COVE	ER HOLE QTY		
Grade:			LII.		-	X 0.9 =	4	5 (SQFT)	Pick Hole(s)	 	 	
Clear Ope	ning Dia	a.: 22	In.	Draina	ge Area 2:		(if	applicable)	Lift Hole(s)			-20742
Inside Fra					х	X 0.9 =		(SQFT)	Other Hole(s)			-20142
Frame Hei Cover Typ	•		ln.	Inflow I	ot likely:	Area Subje	ect To Flo	ooding:]			258 Ft. to DS MH #: 20742
Cover Typ		und: 🖌 Bolts	s Missina:	Corrod	ed: 🗌 Cra	cked: 🗌 Mi	ssing:	Restrai	nt Missing: 🗌 Res	straint De	fective:	
							- (ment Rings:		0	A Participanded
ITEM		MATERIAL		CONDITIC	N Leaks (gpm)			DE	FECTS			
FRAME	CAST			1								
CORBEL	BRICK			1								
STEPS	BRICK			1								
WALLS	BRICK			1								
FLOOR	BRICK			1								
INVERT	BRICK			1								
Surcharg	e From	Invert:	NONE EV	IDENT C	urrently:	Fee	et l	Marks To:	Fee	et		E(EDW)
LINE CON	DITIONS	5	Dim To	Pipe		Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	1	onnect MH #	Rim To Invert Depth	Dia. (In.) F	ipe Joint terial Lengt	t Depth	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	North		04' 09"	6	/CP	0	0.50	0	Start of line			
OUT TO	20742		04' 10"	6	/CP	0	0.50	0				

Flow Ass	essment Se	ervices	s, LLC.	Struc	cture I	nspect	ion L	og	🖌 Surfa	ace [Internal	LINE ORIENTATION
Municipality:	Hull, MA								Manhole No.:	2073	7	+20724
Street:	17 Hampton	Circle							Sub-System:			
Inspection Da	ate: 5/4/2020		Inspe	ector:	MA	M	ap #:					YX
COVER CHA	RACTERISTICS /	СОММЕ	NTS	CO	VER INFL	OW POTE	INTIAL		COVE	R HOLI	ES	+20742-
Buried:	CNL: CNI:		Dra	ainage A	rea 1: 🛛	Pavement				QTY	SIZE (In)	入 人
Grade: BE	LOW	0.5 In.	7	75 X	2)	(0.9 =	13	35 (SQFT)	Pick Hole(s)	2	1	X
Clear Openin	-		Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20741
Inside Frame				х	1	X 0.9 =		(SQFT)	Other Hole(s)			-20741
Frame Height Cover Type:		ln.	Infle	ow Not lik	ely:	Area Sub	ject To Fl	looding:				183 Ft. to DS MH #: 20741
Cover Type.	Solid Sound: 🖌 Bolts	s Missina.		roded:	Crack	red 🗆 🗖	lissing:	Restrain	t Missing: 🦳 Rest	raint De	fective:	
	ANHOLE OBSERV			roueu.			-	rame Adjustn	-		0	
	MATERIAL	Anons	1		Leaks						<u> </u>	
ITEM			COND	TION	(gpm)			DE	FECTS			A Children Carton
FRAME C	AST		1									
CORBEL B	RICK		3			Missing brid	k, Missing	g mortar				
STEPS BI	RICK		1									
WALLS B	RICK		3		0.1	Weeping in	filtration					
FLOOR B	RICK		1									A A A A A A A A A A A A A A A A A A A
INVERT BR	RICK		1									
Surcharge F	From Invert:	NONE E	VIDENT	Curren	ntly:	Fe	et	Marks To:	Feet	:		ERANN /////
LINE CONDIT										I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction	Connect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			g	· · ·
(In / Out)	MH #	Depth		Material			(In.)	(1-5)				Line Comments
IN FROM 207	724	05' 09"	8	VCP		0.50	0	0 0	Outside drop			
IN FROM 207	742	08' 00"	8	VCP		2.00	0	0				
OUT TO 207				1	1		1					

Flow A	ssess	ment Se	ervices	s, LLC	. Struc	cture I	nspect	ion Lo	bg	🖌 Surfa	ace 🗌 I	nternal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20738		+20751
Street:		77 Hampton	Circle							Sub-System:			1 March
Inspection	Date:	4/30/2020		Insp	ector:	MA	М	ap #:					
	CNL:	TERISTICS / CNI: .: 22	🗌 In.	Dr		rea1: ⊳ 2 X	.OW POTE Pavement (0.9 =	: 5	4 (SQFT) applicable	Pick Hole(s)	R HOLES QTY S 	ZE (ln) 	+West
Inside Fra Frame Hei Cover Typ	i ght: e: Soli	8 id	In.	Infl	X ow Not lik	2	X 0.9 = Area Sub		(SQFT) boding:	Other Hole(s)			-20729 197 Ft. to DS MH #: 20729
Cover Cond		nd: 🖌 Bolt			rroded:	Crack		Missing:		-	raint Defect		
	. MANHO	LE OBSER	ATIONS			Leaks	Nu	mber of Fr	ame Adjust	ment Rings:	0		1 ATTON
ITEM		MATERIAL		COND	ITION	(gpm)			D	EFECTS			- Andrews and
FRAME	CAST			1									
CORBEL	BRICK			2	2		Missing mo	rtar					1 AND OD STRAND
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	VIDENT	Currer	ntly:	F	eet l	Marks To:	Feet	t		E(EOW
LINE CON		nnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond		Imag	ge Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
(In / Out)	N	nnect 1H #	Depth	Dia. (iii.)	Material			(In.)	(1-5)				Line Comments
IN FROM	West		05' 05"	6	VCP		0.10	0	0	Start of line			
IN FROM	20751		05' 05"	6	VCP		0.10	0	0				
OUT TO	20729		05' 07"	6	VCP		0.10	0	0				

Flow A	ssess	ment Se	ervices	s, LLC	. Struc	ture Ir	nspect	tion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20740)	+NE
Street:		Nantasket A	venue							Sub-System:			
Inspection	Date:	4/29/2020		Insp	ector:	MA	M	ар #:					+20734
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	COV	ER INFL		ENTIAL		COVE	R HOLE	S	
Buried:	CNL:	CNI:		D	rainage Ar						QTY	SIZE (In)	
Grade:	AT		ln.		2 X	2 X	0.9 =		4 (SQFT)	Pick Hole(s)	2	1.5	N-A
Clear Ope	-			D	rainage Ar				applicable)	Lift Hole(s)			-20740.1
Inside Fra					2 X		0.3 =		1 (SQFT)	Other Hole(s)			20110.1
Frame Hei Cover Typ	-		ln.	Inf	low Not like	ely: 🖌	Area Sub	oject To Fl	looding:				21 Ft. to DS MH #: 20740.1
Cover Typ		ınd: 🖌 Bolt	s Missing:	C C	orroded:	Cracke	ed: 🗌 I	Missing:	Restrain	t Missing: 🦳 Rest	raint Def	ective:	Cracked pavement surrounding frame
INTERNAL							Nu	mber of F	rame Adjustn	nent Rings:		0	
ITEM		MATERIAL			DITION	Leaks (gpm)			DE	FECTS			
FRAME	CAST				1								
CORBEL	BRICK				1								
STEPS	NONE				0								
WALLS	BRICK				1								
FLOOR	BRICK				1								
INVERT	BRICK				1								
Surcharg	e From I	nvert:	NONE E	VIDENT	Curren	tly:	Fe	eet	Marks To:	Feet			élerba
LINE CON	DITIONS	;	D . T	Dine			Flow	Debris	Line		li	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction (In / Out)		nnect /H #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	r		02' 09"	4	VCP		0	0.50		isconitnued service	e		
IN FROM	20734		02' 10"	6	VCP		0	1.00	0				
OUT TO	20740.1		02' 10"	6	VCP		0	1.00	0				

Flow As	ssessment Servi	ces, LLC. Stru	icture In	spection L	og	✓ Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipalit	t y: Hull, MA					Manhole No.:	20740.	1	
Street:	Nantasket Avenue	е				Sub-System:	4		
Inspection	Date: 4/29/2020	Inspector:	MA	Map #:					
COVER C	HARACTERISTICS / COM	IMENTS CO	OVER INFLO	W POTENTIAL		COVER	RHOLES	6	
Buried:	CNL: CNI: 🖌	Drainage	Area 1: Pa				QTY	SIZE (In)	
Grade:	AT	In. X	Х	0.9 =	(SQFT)	Pick Hole(s)	2	2	
Clear Oper	-	Drainage	Area 2: So	il (if applicable)	Lift Hole(s)			
Inside Fran		X	x x	0.3 =	(SQFT)	Other Hole(s)			
Frame Heig	•	Inflow Not	ikely:	Area Subject To	Flooding:				Ft. to DS MH #:
Cover Type Cover Cond		sing: Corroded:	Cracke	d: 🗌 Missing:	Restrain	t Missing: 🗌 Restr	raint Defe	ctive:	Cannot open, Manhole not on map
INTERNAL	MANHOLE OBSERVATIO	ONS		Number of	Frame Adjustm	nent Rings:			
ITEM	MATERIAL	CONDITION	Leaks (gpm)		DEI	FECTS			
FRAME		0							
CORBEL		0							
STEPS		0							
WALLS		0							
FLOOR		0							
INVERT		0							
Surcharge	e From Invert: NON	E EVIDENT Curr	ently:	Feet	Marks To:	Feet			
LINE CON	Rim			Flow Debris			Im	age Path:	
Direction (In / Out)	Connect Inve MH # Dep		Joint al Length	Depth Depth (In.) (In.)	Cond (1-5)				Line Comments

Flow As	ssess	sment S	ervices	s, LLC	Stru	cture l	nspect	tion Lo	bg	🖌 Surfa	ice 🗌 Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20741	+North
Street:		12 Hampton	n Circle							Sub-System:		
Inspection	Date:	5/4/2020		Insp	ector:	MA	М	ар #:				Y Y
COVER C	HARAC	TERISTICS		NTS	со	VER INFL	OW POT	ENTIAL		COVER	RHOLES	+20747-+20737
Buried:	CNL:	CNI:		Dra	ainage A	Area 1: P	avement				QTY SIZE (In)	λ A _{+SE}
Grade:	ABOVE		0.25 In.		2 X	2 X	0.9 =	- 4	4 (SQFT) Pick Hole(s)	2 1.5	
Clear Ope	ning Dia		4 In.	Dra	ainage A	Area 2:		(if a	applicable) Lift Hole(s)		-South
Inside Fra		-	6 In.		Х)	(0.9 =		(SQFT)) Other Hole(s)		-50001
Frame Hei Cover Typ	-		8 In.	Infl	ow Not lik	kely: 🖌	Area Sul	oject To Flo	ooding:			40 Ft. to DS MH #: Pump Station
Cover Cond		und: 🖌 Bol	Its Missing:	Co	roded:	Crack	ed: 🗌 I	Missing: [Restra	int Missing: 🦳 Rest	raint Defective:	
INTERNAL									_	tment Rings:	0	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			D	EFECTS		
FRAME	CAST			1								
CORBEL	BRICK			1								
STEPS	ALUM			1								LHAND
WALLS	PRECA	AST		4		0.25	Running in	filtration at i	nlet #3			
FLOOR	BRICK			1								
INVERT	BRICK			1								
Surcharge	e From	Invert:	NONE E	VIDENT	Curre	ntly:	F	eet N	Marks To	: Feet		C(FROME) SO A STATE
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line		Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)	N	onnect MH #	Invert Depth	Dia. (In.)	Pipe Material	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)			Line Comments
IN FROM	North		03' 07"	8	PVC		0.10	0	0	Inside drop, Service		
IN FROM	SE		04' 00"	3	PVC		0	0	0			
IN FROM	20737		07' 02"	10	VCP		5.00	0.50	0			
IN FROM	20747		07' 03"	12	VCP		6.00	0	0			
Ουτ το	South		07' 04"	16	VCP		6.00	0	0	Pump Station		

Flow As	ssess	ment Se	ervices	s, LLC.	Stru	cture I	nspect	ion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20742		+20756
Street:		117 Hampto	n Circle							Sub-System:			
Inspection	Date:	4/30/2020		Inend	ector:	MA	М	ap #:					Y Y
			001115									<u></u>	+20735
	-	FERISTICS /		-		VER INFL Area 1: F	OW POTE	NIIAL		COVE	R HOLE		
Grade:			L. In.		50 X		(0.9 =	27	70 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope		.: 24	In.	Dra	ainage A				applicable)				Car Tax
Inside Fra	me Dia.:				X	2	X 0.9 =		(SQFT)				-20737
Frame Hei	•		In.	Infle	ow Not lil	kely:	Area Sub	ject To F	looding:				85 Ft. to DS MH #: 20737
Cover Typ									_ _ .				Cracked pavement surrounding frame
Cover Cond		ınd: 🖌 Bolt			roded:	Crack					raint Defe	ective:	
	MANHC	DLE OBSER	VATIONS			Leaks	NU	mber of F	rame Adjust	ment Rings:		0	- Alexandra
ITEM		MATERIAL		COND	ITION	(gpm)			DI	EFECTS			FL THE BAIL
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mo	rtar					
STEPS	BRICK			1									
WALLS	BRICK			4		0.1	Dripping inf	iltration					
-						0.1	Dipping in						
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ntly:	Fe	eet	Marks To:	Feet			CLERCIN AS A CONTRACT OF A CON
LINE CON	DITIONS	;	Rim To	Pipe			Flow	Debris	Line		In	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		nnect /H#	Invert	Dia. (In.)	Pipe Materia	Joint I Length	Depth	Depth (In.)	Cond (1-5)				Line Comments
IN FROM		//n #	Depth 06' 00"	8	VCP	Length	0.25	0		Outside drop, Flow	out of top	p pipe	
										• •			
IN FROM	20756		08' 07"	8	VCP		2.50	0	0				
Ουτ το	20737		08' 08"	8	VCP		2.75	0	0				

Flow A	ssess	sment Se	rvices	, LLC. Str	ucture I	nspectio	n Log		🖌 Surf	ace 🛛	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA							Manhole No.	2074	3	+North
Street:		8A Lincoln A	venue						Sub-System:			1 m
Inspection	Date:	4/30/2020		Inspector:	MA	Map #	:		-			YX
COVER C	HARAC	TERISTICS /	COMMEN	TS		OW POTENT	AL		COVE		S	
Buried:	CNL	CNI:		Drainag	e Area 1: 🛛					QTY	SIZE (In)	
Grade:	AT		ln.	50	X 2)	(0.9 =	90	(SQFT)	Pick Hole(s)			N N
Clear Ope	-			Drainag	e Area 2:		(if app	licable)	Lift Hole(s)			-20756
Inside Fra			In. In.			X 0.9 =		SQFT)	Other Hole(s)			20.00
Frame Hei Cover Typ	•			Inflow No	t likely:	Area Subject	To Flood	ing:				287 Ft. to DS MH #: 20756
Cover Conc		ınd: 🖌 Bolts	s Missing:	Corrodec	: 🗌 Cracl	ked: 🗌 Miss	ng:	Restrai	nt Missing: 🦳 Res	traint De	fective:	Cracked pavement surrounding frame
INTERNAL						Numbe	r of Frame	e Adjusti	ment Rings:		0	
ITEM		MATERIAL		CONDITION	Leaks (gpm)			DE	FECTS			
FRAME	CAST			1								
CORBEL	BRICK			1								
STEPS	BRICK			1								
WALLS	BRICK			1								
FLOOR	BRICK			1								
INVERT	BRICK			2		Missing mortar						
Surcharg	e From	Invert:	NONE EV	IDENT Cu	rrently:	Feet	Mar	ks To:	Fee	t		E(BOW)
LINE CON	DITIONS	\$	Dim To	Pipe		Flow De	bris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Dia. (In.) Pip Mate		Depth D	epth C	Cond (1-5)				Line Comments
IN FROM	North		04' 11"	6 V0)P	0	0	0 5	Start of line			
OUT TO	20756		05' 03"	6 P\	/C	0	0	0				

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture l	nspect	ion Lo	og	🖌 Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2074	6	+20728
Street:		8 Edgewate	r Road							Sub-System:			
Inspection	Date:	4/29/2020		Inspe	ector:	MA	Ма	ap #:					YX
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	со	VER INFL	OW POTE	INTIAL		COVE	R HOLI	ES	
Buried:	CNL	CNI:		Dra	ainage A	Area 1: P	avement				QTY	SIZE (In)	
Grade:	AT		ln.	7	75 X	2 X	0.9 =	13	5 (SQFT)	Pick Hole(s)	2	1.5	X
Clear Ope	-		In.	Dra	ainage A	Area 2:		(if a	applicable)	Lift Hole(s)			-20757
Inside Fra		-	In.		Х	>	(0.9 =		(SQFT)	Other Hole(s)			-20131
Frame Hei	-		In.	Inflo	ow Not lil	kely:	Area Sub	ject To Flo	ooding:]			123 Ft. to DS MH #: 20757
Cover Typ													
Cover Cond		und: 🖌 Bolt			roded:	Crack		Aissing: [-	raint De	fective:	
INTERNAL	MANHO	DLE OBSER	VATIONS			Leaks	Nur	mber of Fra	ame Adjusti	ment Rings:		0	1 the fact the second
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			1 All all and and a second
FRAME	CAST			1									State of the second
CORBEL	BRICK			1									A REAL PROPERTY AND A REAL
STEPS	ALUM			1									
+				1									
WALLS	PREC	AST		1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	VIDENT	Curre	ently:	Fe	et N	Marks To:	Feet			Case Market
LINE CON	DITIONS	5									I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			J	
(In / Out)	ſ	VH #	Depth	. ,	Materia	Length	(In.)	(In.)	(1-5)				Line Comments
IN FROM	20728		09' 06"	8	ACP		0.25	0	0				
Ουτ το	20757		09' 07"	8	ACP		0.25	0	0				

Flow A	ssess	sment Se	ervices	, LLC.	Struc	ture l	nspec	tion L	og	✓ Surf.	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2075	1	-20763
Street:		71 Hampton	Circle							Sub-System:			
Inspection	Date:	4/30/2020		Inspe	ctor:	ЛА	M	lap #:					
COVER C	HARAC	TERISTICS /	COMMEN	ITS	COV	ER INFL	OW POT	ENTIAL		COVE	R HOLI	ES	
Buried:	CNL	CNI:		Dra	inage Ar						QTY	SIZE (In)	
Grade:	AT		In.		5 X		0.9 =	= 1;	35 (SQFT)	Pick Hole(s)			\sim
Clear Ope	-			Dra	inage Ar				f applicable)	Lift Hole(s)			-20738
Inside Fra			In. In.		х	-	(0.9 =		(SQFT)	Other Hole(s)			
Frame Hei Cover Typ	-			Inflo	w Not like	ly:	Area Su	bject To F	looding: 🖌				207 Ft. to DS MH #: 20738
Cover Cond		und: 🔽 Bolt:	s Missing:	Cor	roded:	Crack	ed:	Missing:	Restrain	t Missing: 🥅 Res	traint De	fective:	Cracked and missing pavement surrounding frame
			-					•	rame Adjustn	0		0	
ITEM		MATERIAL		CONDI		Leaks (gpm)				FECTS			
FRAME	CAST			2			Chipped						
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									The second se
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EV	/IDENT	Curren	tlv:	F	eet	Marks To:	Fee	t		C (Hew
LINE CON											·	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)			Ū	Line Comments
OUT TO	20738		05' 09"	6	VCP		0	0	0				
ουτ το	20763		05' 09"	6	VCP		0	0	0				

Flow A	ssess	sment Se	ervices	, LLC. Str	ucture I	nspectior	n Log	✓ Surfa	ace 🗌 Interi	
Municipali	ty:	Hull, MA						Manhole No.	20753	+North
Street:		2 Standish R	load					Sub-System:		
Inspection	Date:	4/30/2020		Inspector:	MA	Map #	:	-		Y Y
COVER C	HARAC	TERISTICS /	COMMEN	TS	COVER INFL	OW POTENTI	AL	COVE	R HOLES	
Buried:	CNL	CNI:		Drainag	e Area 1: 🛛	Pavement			QTY SIZE (in) 💫 人
Grade:	AT		In.	30	X 2)	K 0.9 =	54 (SQF	F) Pick Hole(s)		
Clear Ope	-			_	e Area 2:		(if applicabl	, , , ,		
Inside Fra			In. In.			X 0.9 =	(SQF1	D Other Hole(s)		
Frame Hei Cover Typ	•			Inflow No	t likely:	Area Subject	To Flooding:			120 Ft. to DS MH #: 20758
Cover Conc		und: 🖌 Bolts	s Missing:	Corroded	: 🗌 Cracl	ked: 🗌 Missi	ng: 🗌 Restr	aint Missing: 🦳 Res	traint Defective:	Cracked pavement surrounding frame
INTERNAL						Number	of Frame Adju	stment Rings:	0	
ITEM		MATERIAL		CONDITION	Leaks (gpm)		I	DEFECTS		
FRAME	CAST			1						
CORBEL	BRICK			2		Deteriorating brid	ck			
STEPS	BRICK			1						
WALLS	BRICK			1						
FLOOR	BRICK			1						
INVERT	BRICK			1						
Surcharg	e From	Invert:	NONE EV	IDENT Cu	rently:	Feet	Marks To	: Fee	t	E(HOW)
LINE CON	DITIONS	5	D T.	Dine		Flaw Da	bris Line		Image Pa	ath: C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	I	onnect VIH #	Rim To Invert Depth	Pipe Dia. (In.) Pip Mate		Depth De	bris Line epth Cond In.) (1-5)			Line Comments
IN FROM	North		04' 05"	6 P\	/C	0	0 0	Start of line		
OUT TO	20758		04' 08"	6 V0	P	0	0 0			

Flow As	ssessn	nent Se	ervices	, LLC.	Stru	cture l	nspect	ion Lo	og	🗸 Surfa	ace 🗌 Internal	LINE ORIENTATION
Municipalit	ty: H	ull, MA								Manhole No.:	20756	+20768
Street:	12	25 Hamptor	n Circle							Sub-System:		
Inspection	Date: 4/	30/2020		Inspe	ector:	MA	M	ap #:				Y X +20743
COVER C Buried:						OVER INFL Area 1:		ENTIAL		COVE	R HOLES QTY SIZE (In)	
Grade:	AT		In.	1	50 X	2 X	0.9 =	: 27	0 (SQFT)	Pick Hole(s)	2 1.5	N
Clear Oper	-			Dra	ainage	Area 2:		(if	applicable)	Lift Hole(s)		-20742
Inside Fra		26			Х	2	(0.9 =		(SQFT)	Other Hole(s)		-20742
Frame Hei	-		ln.	Infle	ow Not li	kely:	Area Sub	ject To Fl	ooding:]		195 Ft. to DS MH #: 20742
Cover Type		d: 🖌 Bolts	. Missina:		roded:	Crack	ed. 🗆 N	Aissing:	🗌 Restrair	nt Missing: 🔲 Rest	raint Defective:	Cracked and missing pavement surrounding frame
INTERNAL					roueu.			-	rame Adjustr			
ITEM		MATERIAL	Anono	COND	ITION	Leaks (gpm)				FECTS		11 10 PERSON IN
FRAME	CAST			1								
CORBEL	BRICK			2			Missing mo	rtar				
STEPS	BRICK			1								
WALLS	BRICK			3			Weeping in	filtration				
FLOOR	BRICK			1								
INVERT	BRICK			1								
Surcharge	e From Inv	vert:	NONE E	/IDENT	Curre	ently:	Fe	eet	Marks To:	Feet	:	(Think
LINE CONI Direction (In / Out)	DITIONS Conn MH		Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint al Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)		Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
IN FROM			200411			Longth	0	0				
IN FROM	20742		09' 09"	6	VCP	,	0.25	0	0			
	20143		09 09	0	VCF		0.20	0	0			
IN FROM	20768		09' 11"	8	VCP)	2.25	0.10	0			
OUT TO	20742		09' 11"	8	VCP)	2.50	0	0			

Flow A	ssess	ment Se	ervices	s, LLC.	Stru	cture Ir	nspect	tion Lo	✓ Surt	face	Internal	LINE ORIENTATION	
Municipali	ty:	Hull, MA								Manhole No.	2075	8	+20753
Street:		7 Standish R	Road							Sub-System			
Inspection	Date:	4/30/2020		Inspe	ector:	MA	м	ap #:		, i			Y Y
COVER C	HARAC	TERISTICS /	СОММЕ		со					COVE	ER HOLI	ES	
Buried:	CNL:	CNI:		Dra	ainage A	rea 1: Pa	avement				QTY	SIZE (In)	
Grade:	ABOVE		0.25 In.	7	75 X	2 X	0.9 =	= 13	85 (SQFT)	Pick Hole(s)			N
Clear Ope	ning Dia			Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20768
Inside Fra					Х	Х	0.9 =		(SQFT)	Other Hole(s)			-20708
Frame Hei	•		In.	Infl	ow Not lik	kely:	Area Sul	bject To Fl	ooding:]			303 Ft. to DS MH #: 20768
Cover Typ			Missing		rroded:	Crack	ad. 🗆 I	Missing:	Destroi	nt Missing: 🥅 Res	traint Da	fective:	Cracked pavement surrounding frame
		Ind: 🖌 Bolts			roueu.			•	rame Adjust	•		0	
	MANHC		ATIONS			Leaks	inu					0	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	EFECTS			
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			3			Broken						
WALLS	BRICK			1	-								
-	-			-									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	Invert:	NONE E	VIDENT	Curre	ntly:	F	eet	Marks To:	Fee	et		ELON A
LINE CON	DITIONS	3							1 :		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond				
(In / Out)		/H #	Depth	6	Material	Length	(ln.)	(In.)	(1-5)				Line Comments
IN FROM	20753		05' 11"	6	VCP		0.10	0					
Ουτ το	20768		06' 01"	6	VCP		0.10	0					

Flow A	ssess	sment Se	ervices	s, LLC.	Struc	cture Ir	nspect	ion L	og	✓ Surf	ace 🛛	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2076	3	+20751
Street:		61 Hampton	Circle							Sub-System			
Inspection	Date:	5/4/2020		Inspe	ector:	MA	Ма	ap #:					Y Y
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	CO			INTIAL		COVE		ES	
Buried:	CNL	CNI:		Dra	ainage A	rea 1: Pa	avement				QTY	SIZE (In)	
Grade:	AT		In.	1	00 X	2 X	0.9 =	18	30 (SQFT)	Pick Hole(s)			
Clear Ope	-			Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20782
Inside Fra					Х	х	0.9 =		(SQFT)	Other Hole(s)			-20102
Frame Hei Cover Typ	-		In.	Infle	ow Not lik	ely:	Area Sub	ject To Fl	ooding:]			217 Ft. to DS MH #: 20782
Cover Typ			Missing		roded:	Cracke	adı 🗆 N	lissing:	Bestrair	nt Missing: 🗌 Res	traint Da	fective:	Cracked pavement surrounding frame
		und: 🖌 Bolts			roueu.				rame Adjustr		traint De	0	
	MANHO		ATIONS			Leaks	NU					0	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			A ST A ST A AND AND AND AND AND AND AND AND AND A
FRAME	CAST			1									A A A A A A A A A A A A A A A A A A A
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	VIDENT	Currer	ntly:	Fe	et	Marks To:	Fee	t		ECHINE .
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)		onnect //H #	Invert Depth	Dia. (In.)	Pipe Material	Joint Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20751		07' 03"	6	VCP		0.10	0	0				
OUT TO	20782		07' 04"	6	VCP		0.10	0	0				

Flow A	ssessr	nent Se	rvices	, LLC	Struc	ture Ir	nspect	ion Lo	og	🖌 Surfa	ce 🗌	Internal	LINE ORIENTATION
Municipali	ty: H	lull, MA								Manhole No.:	20767	,	
Street:	2	Mayflower	Avenue							Sub-System:	4		
Inspection	Date: 5	/4/2020		Insp	ector:	MA	M	ар #:					
COVER C	-	ERISTICS /		-		/ER INFL		ENTIAL		COVE	RHOLE	S	
Buried:	CNL:	CNI:		Dra	ainage A	rea 1: Pa					QTY	SIZE (In)	
Grade:	AT		ln.		50 X	2 X	0.9 =	: 9	00 (SQFT)	Pick Hole(s)			
Clear Ope	ning Dia.:	22	n.	Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			
Inside Fra	me Dia.:	24			х	х	0.9 =	:	(SQFT)	Other Hole(s)			-20773
Frame Hei	-	81	n.	Infl	ow Not lik	ely:	Area Sub	oject To Fl	ooding:				121 Ft. to DS MH #: 20773
Cover Typ													Starter Manhole, Cracked pavement surrounding frame
Cover Cond	l: Soun	d: 🖌 Bolts	Missing:	Co	rroded:	Cracke	ed: 🗌 l	Nissing:	Restrain	t Missing: 🗌 Rest	raint Def	ective:	
INTERNAL	MANHOL	E OBSERV	ATIONS	_			Nu	mber of F	rame Adjustn	nent Rings:		0	3 Plantane.
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DE	FECTS			A Providence of the second
FRAME	CAST			1									
CORBEL	BRICK			2	2		Missing mo	ortar					
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From In	vert:	NONE EV	/IDENT	Currer	ntly:	Fe	eet	Marks To:	Feet			
LINE CON	DITIONS		Dim Te	Dine			Flow	Debris	Line		Ir	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)	Con Mł		Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)	Cond (1-5)				Line Comments
OUT TO	20773		04' 07"	6	VCP		0	0.25	0				

Flow A	ssess	ment Se	ervice	s, LLC.	Stru	cture li	nspect	ion L	og	Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20768		
Street:		20 Standish	Road							Sub-System:			
Inspection	Date:	4/30/2020		Inspe	ector:	MA	M	ар #:		-			+20778
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	со	VER INFL		ENTIAL		COVER	R HOLES	6	+20758
Buried:	CNL:	CNI:				Area 1: P					QTY	SIZE (In)	入 人
Grade:	AT		ln.	1	00 X	2 X	0.9 =	: 18	30 (SQFT)	Pick Hole(s)	2	1.5	X
Clear Ope	-			Dra	ainage A	Area 2:		(if	applicable)	Lift Hole(s)			-20756
Inside Fra					Х	>	(0.9 =	:	(SQFT)	Other Hole(s)			-20130
Frame Hei	-		ln.	Infl	ow Not lil	kely:	Area Sub	oject To Fl	looding:				202 Ft. to DS MH #: 20756
Cover Typ		ıa ınd: 🖌 Bolt	e Miceina:		roded:	Crack	od: 🗆 I	Aissing:	Bostrai	nt Missing: 🦳 Resti	raint Defe	ctivo:	Cracked pavement surrounding frame
					roueu.			-	rame Adjust	-		0	
	MANHC		VATIONS			Leaks						<u> </u>	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			
FRAME	CAST			1									1 - 10/
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			3		0.1	Weeping in	filtration					
+				-		0.1	i coping ii						
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Feet	:		
LINE CON	DITIONS	;	Dim Ta	Pipe			Flow	Debris	Line		Im	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction		nnect	Rim To Invert	Dia. (In.)	Pipe	Joint	Depth	Depth	Cond				Line Comments
(In / Out) IN FROM		/IH #	Depth 06' 00"	8	Materia VCP		(In.) 0.50	(In.) 0	(1-5)	Outside drop, Flow f	from top	nine	Line Comments
	20730		00 00	0	VCF		0.50	0	0	Suiside drop, Flow I		Sibe	
IN FROM	20778		12' 02"	8	VCP		2.00	0	0				
	00750		401.0.4"	0			0.50	0					
Ουτ το	20756		12' 04"	8	VCP		2.50	0	0				

Flow As	ssess	ment Se	ervices	s, LLC	. Stru	cture l	nspect	ion Lo	bg	Surfa	ce 🗌 Intern	
Municipali	ty:	Hull, MA								Manhole No.:	20771	+20784
Street:		Merrill Road	and Fairm	nont Way	,					Sub-System:	4	-20783
Inspection	Date:	4/30/2020		Insp	ector:	MA	M	ap #:				
Buried: Grade:	CNL:	ERISTICS /	In.	Di		OVER INFL Area 1: P 2 X			0 (SQFT) Pick Hole(s)	R HOLES QTY SIZE (I 2 1.5	, IOE
Clear Oper Inside Fra Frame Hei	me Dia.: ght:	24 6	In. In. In.		rainage / X Iow Not li)	(0.9 = Area Sub		applicable (SQFT) poding:			20750 - 336 Ft. to DS MH # : 20750
Cover Typ Cover Cond		d nd: 🖌 Bolt	s Missing:	Co	orroded:	Crack	ed: 🗌 N	Aissing: [Restra	int Missing: 🗌 Rest	raint Defective:	Cracked pavement surrounding frame
INTERNAL	MANHO	LE OBSER	VATIONS				Nu	mber of Fra	ame Adjus	tment Rings:	0	
ITEM		MATERIAL		CON	DITION	Leaks (gpm)			D	EFECTS		
FRAME	CAST				1							
CORBEL	BRICK			:	3		Loose brick					
STEPS	BRICK				1							
WALLS	BRICK			:	2		Staining					
FLOOR	BRICK				1							
INVERT	BRICK				1							
Surcharg	e From I	nvert:	NONE E	/IDENT	Curre	ently:	Fe	eet N	Marks To	: Feet		E CE DIN
LINE CON Direction (In / Out)	Co	nnect IH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint al Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)		Image Pa	th: C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Line Comments
IN FROM	SE		05' 02"	4	PVC	;	0.10	0	0	Service		
IN FROM	20784		05' 11"	6	VCP	>	0.10	0	0			
ουτ το	20750		06' 01"	6	VCP	>	0.10	0	0			
ουτ το	20760		05' 06"	8	VCP)	0	1.00	0			
Ουτ το	20783		05' 07"	6	VCP)	0	0	0			

Flow A	ssess	ment Se	rvices	, LLC. St	ucture	Inspect	tion Lo	og	Surfa	ce 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA							Manhole No.:	20772	2	
Street:		Nantasket Av	ve (West) a	at Beach					Sub-System:			
Inspection	Date:	4/29/2020		Inspector	MA	м	ар #:					
		TERISTICS /		-	COVER INF e Area 1:		ENTIAL		COVE			
Grade:			∟ 2 In.	8		X 0.3 =		5 (SQFT)	Pick Hole(s)	QTY 2	SIZE (In) 1.5	
Clear Ope	-		In.	Drainag	e Area 2:			applicable)	Lift Hole(s)			1 - 1 - 1
Inside Fra	-		In.			X 0.9 =		(SQFT)	Other Hole(s)			-20774
Frame Hei	-		ln.	Inflow No	t likely:	Area Sul	oject To Flo	ooding:	ו			73 Ft. to DS MH #: 20774
Cover Typ			Missing	Corrode		ked:	Missing: (nt Missing: 🔲 Resti	int Def	ective:	Possible old/disconnected Manhole
		Ind: 🖌 Bolts		Corrode			- (ame Adjustr		ant Dei	0	
ITEM		MATERIAL	Anono	CONDITIO	Leaks (gpm)				FECTS		•	
FRAME	CAST			1	(3)/							
CORBEL	BRICK			1								11 11 17 - C. S
STEPS	ALUM			1								
WALLS	PRECA	AST		1								
FLOOR	BRICK			1								
INVERT	CNI			0		Sediment						
Surcharg	1	nvert:	NONE EV	L	rrently:	E	eet l	Marks To:	Feet			E ADM
LINE CON									Teet		nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction	60	nnect	Rim To Invert	Pipe Dia. (In.) Pij	e Joint	Flow Depth	Debris Depth	Line Cond			nuger ani.	
(In / Out)	N	/IH #	Depth	Mate	erial Lengt	h (ln.)	(In.)	(1-5)				Line Comments
Ουτ το	20774		10' 00"	8 A	CP	0	3.00	0				

Flow A	ssess	sment Se	ervices	, LLC. S	tructu	re In	spectior	n Lo	g	✓ Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2077	3	+20767
Street:		7 Mayflower	Avenue							Sub-System:			
Inspection	Date:	5/4/2020		Inspecto	or: MA		Map #	:					Y Y
COVER C	HARAC	TERISTICS /	COMMEN	ITS	COVER	INFLO	W POTENTI	AL		COVE	R HOL	ES	
-		CNI:		Draina	age Area						QTY	SIZE (In)	入 人
Grade:			0.1 In.	75			0.9 =	135	(SQFT)	Pick Hole(s)	2	1	
Clear Ope	-			Draina	age Area			(if a	pplicable)	Lift Hole(s)			-20785
Inside Fra			In. In.		х		0.9 =		(SQFT)	Other Hole(s)			20.00
Frame Hei Cover Typ	•		m.	Inflow	Not likely:		Area Subject	To Flo	oding:]			334 Ft. to DS MH #: 20785
Cover Conc		und: 🖌 Bolts	s Missing:	Corrod	ed:	Cracked	l: 🗌 Missi	ng: 🗆	Restrair	nt Missing: 🦳 Rest	raint De	fective:	
										ment Rings:		0	
ITEM		MATERIAL		CONDITIO	ON Lea				DE	FECTS			
FRAME	CAST			1	(3)	,							
CORBEL	BRICK			1									TALES STORE
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EV		urrently:		Feet	Ν	larks To:	Fee	t		E(1.1)
LINE CON	DITIONS	5	Dim Te	Pino			Flow De	bris	Line			mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)		onnect VIH #	Rim To Invert Depth			Joint ength	Depth De	pris pth n.)	Cond (1-5)				Line Comments
IN FROM	20767		05' 00"	6	VCP		0.10	0	0				
OUT TO	20785		05' 01"	6	VCP		0.10	0	0				

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture l	nspect	ion Lo	og	✓ Surf	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2077	5	+20784
Street:		7 Islandview	Road							Sub-System:			1 March
Inspection	Date:	4/30/2020		Inspe	ector:	MA	Ма	ap #:					
COVER C		TERISTICS /	COMME			OVER INFL				COVE	R HOLE	ES	()-
Buried:	-			-		Area 1: P					QTY	SIZE (In)	
Grade:	AT		 In.	1	50 X	2 X	0.9 =	27	70 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia	a.: 22	In.	Dra	ainage /	Area 2:		(if	applicable)	Lift Hole(s)			20276
Inside Fra					Х)	(0.9 =		(SQFT)	Other Hole(s)			-20765
Frame Hei	•		In.	Infl	ow Not li	kely:	Area Sub	ject To Fl	looding:]			200 Ft. to DS MH #: 20765
Cover Typ			o Minoing.		rroded:			liaaina		t Missing: 🗔 Des		fective:	Cracked pavement surrounding frame
		und: 🖌 Bolt			rroaea:	Crack		lissing:		0	traint De		
	MANH		VATIONS			Leaks	NUR	TIDER OF FI	rame Adjustn			0	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mor	rtar					
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	/IDENT	Curre	ently:	Fe	et	Marks To:	Fee	t		CAR MARKEN
LINE CON						.,.	10			100		mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			inago i ain.	
(In / Out)	I	MH #	Depth	u. ()	Materia	al Length	(In.)	(In.)	(1-5)				Line Comments
IN FROM	20784		04' 09"	6	VCP	•	0.10	0	0				
Ουτ το	20765		04' 11"	6	VCP	,	0.10	0	0				

Flow A	ssess	ment Se	ervices	s, LLC.	Stru	cture li	nspect	ion L	og	✓ Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20777	,	
Street:		Nantasket A	ve (East)	at Beach						Sub-System:	4		
Inspection	Date:	4/29/2020		Inspe	ector:	MA	Ма	ap #:					
	-	TERISTICS /		-		VER INFL		NTIAL		COVE	R HOLE		
	CNL:				•	Area 1: S			((00FT)		QTY	SIZE (In)	
Grade:	-		6 In.		2 X		0.3 =		1 (SQFT)	Pick Hole(s)	2	1.5	\sim
Clear Ope	•			Dra	ainage /			(if	applicable)	Lift Hole(s)			-20774
Frame He		-	in. In.		Х		(0.9 =		(SQFT)	Other Hole(s)			
Cover Typ	•			Infie	ow Not li	kely: 🖌	Area Sub		looding:				63 Ft. to DS MH #: 20774
Cover Cond		ınd: 🖌 Bolt	s Missing:	Cor	roded:	Crack	ed: 🗌 N	lissing:	Restrain	nt Missing: 🗌 Rest	raint Def	ective:	Starter Manhole, Outside collar cracked and broken from frame
INTERNAL	MANHO	DLE OBSER	ATIONS				Nur	nber of F	rame Adjustr	ment Rings:		0	Contraction of the second second
ITEM		MATERIAL		COND		Leaks (gpm)			DE	FECTS			
FRAME	CAST			2			Offset 2", Lo	ose					and the second s
CORBEL	PARGE	ED		2			Missing mor	tar					
STEPS	ALUM			1									- A BAR AND A BAR AND A
WALLS	PRECA	AST		1									
FLOOR	BRICK			1									
INVERT	CNI			0			Sediment						
Surcharg	e From	Invert:	NONE E	VIDENT	Curre	ently:	Fe	et	Marks To:	Fee	:		Stan I
LINE CON	DITIONS	3	Dim Te	Pino			Flow	Debris	Line		Ir	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-29-2020\DS
Direction (In / Out)		onnect /H#	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
Ουτ το	20774		10' 09"	8	ACP	•	0	3.00					

Flow A	ssess	ment Se	ervices	s, LLC	. Struc	ture lı	nspect	tion L	og	🖌 Surfa	ice [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2077	8	+30063
Street:		Morland Ave	nue and H	lampton (Circle					Sub-System:	4		+20785
Inspection	Date:	4/30/2020		Insp	ector:	MA	M	ap #:					Y Y
	-			-	COV ainage Ar			ENTIAL		COVE			
Grade:		CNI:	L. In.		50 X		0.9 =	. 9	90 (SQFT)	Pick Hole(s)	QTY 2	SIZE (In) 1.5	
Clear Ope	ning Dia	.: 21.5	In.	Dr	ainage Ar				applicable)	Lift Hole(s)			
Inside Fra					х	х	(0.9 =	•	(SQFT)	Other Hole(s)			-20768
Frame Hei	-		ln.	Infl	ow Not like	ely:	Area Sub	oject To F	looding:				156 Ft. to DS MH #: 20768
Cover Typ		er Cover nd: 🖌 Bolts	s Missina.		rroded: [Crack	ed· 🗆 I	Missing:	Restrain	t Missing: 🖌 Rest	raint De	fective:	Cracked pavement surrounding frame
					Toded.			•	Frame Adjustn			0	
ITEM		MATERIAL	Anono	CONF		Leaks				FECTS			
ł	0.07					(gpm)	Offeet 5"		DL	12010			de de la
FRAME	CAST			2			Offset 5"						
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			4	L I		Running inf	filtration					
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	/IDENT	Curren	tly:	Fe	eet	Marks To:	Feet			E TELOW
LINE CON	DITIONS			Dine			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction		nnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Depth	Depth	Cond				Line Comments
(In / Out) IN FROM		IH #	Depth 04' 10"	6	Material VCP	Length	(In.) 1.50	(In.) 0	(1-5) 0				
IN FROM	30063		04' 09"	6	PVC		0.10	0	0				
OUT TO	20768		05' 00"	8	VCP		2.00	0.50	0				

Flow A	ssessment Se	ervices	s, LLC.	Stru	cture Ir	nspect	ion L	og	🖌 Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipali	ty: Hull, MA								Manhole No.:	20780)	
Street:	Sagamore 1	errace							Sub-System:	4		
Inspection	Date: 4/30/2020		Inspec	ctor:	MA	Ма	ap #:					
COVER C	HARACTERISTICS	COMME	NTS	со	VER INFL	OW POTE	NTIAL	·	COVE	R HOLE	S	
Buried:	CNL: CNI:		Drai	nage A	Area 1: Pa					QTY	SIZE (In)	
Grade:	AT	In.	2	Х	2 X	0.9 =		4 (SQFT)	Pick Hole(s)	2	1.5	X
Clear Ope	ning Dia.: 22	In.	Drai	inage A	Area 2:		(if	applicable)	Lift Hole(s)			
Inside Fra		In.		Х	х	0.9 =		(SQFT)	Other Hole(s)			-20804
Frame Hei	3	In.	Inflo	w Not lil	kely: 🗸	Area Sub	ject To F	looding:]			Ft. to DS MH #: 20804
Cover Typ	e: Solid		·									Starter Manhole, Cracked and missing pavement surrounding
Cover Cond	i: Sound: 🖌 Boli	ts Missing:	Corr	oded:	Cracke	ed: 🗌 N	lissing:	Restrain	t Missing: 🗌 Rest	raint Def	ective:	frame
INTERNAL	MANHOLE OBSER	VATIONS				Nur	mber of F	rame Adjustn	nent Rings:		0	Million
ITEM	MATERIAL		CONDIT	ΓΙΟΝ	Leaks (gpm)			DE	FECTS			M ASTRONI
FRAME	CAST		1									
CORBEL	BRICK		1									A PRIME MAN
STEPS	BRICK		1									
WALLS	BRICK		3		0.1	Dripping infi	iltration					Town of the second s
FLOOR	BRICK		1									
INVERT	BRICK		4		0.1	Running infi	Itration					
Surcharg	e From Invert:	NONE E	VIDENT	Curre	ntly:	Fe	et	Marks To:	Feet			COUNT
LINE CON	DITIONS		Dina				Dahai	Line		Ir	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	Connect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)	Cond (1-5)				Line Comments
OUT TO	20804	07' 04"	6	VCP		0.10	0.10	0				

Flow As	ssess	sment Se	ervices	s, LLC.	Stru	cture l	nspect	ion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20782		+20763
Street:		55 Hampton	Circle							Sub-System:			
Inspection	Date:	5/4/2020		Inspe	ector:	MA	M	ap #:					Y Y
•		TERISTICS /	COMME				OW POTE			COVE	R HOLES		
Buried:	-			-		Area 1: P		NHAL		COVE		SIZE (In)	
Grade:			0.25 In.		00 X		0.9 =	18	30 (SQFT)	Pick Hole(s)			+20787
Clear Ope	ning Dia	. : 22	In.	Dra	inage A	Area 2:		(if	applicable)	Lift Hole(s)			1.4.1.8
Inside Fra		_	In.		х)	K 0.9 =		(SQFT)	Other Hole(s)			-20788
Frame Hei	-		In.	Infle	w Not li	kely:	Area Sub	ject To Fl	ooding:]			114 Ft. to DS MH #: 20788
Cover Typ													Cracked pavement surrounding frame
Cover Cond		und: 🖌 Bolt			roded:	Crack		lissing:		- 🗆	raint Defec		
	MANHC	DLE OBSER	VATIONS			Leaks	NUI	nber of F	rame Adjustr			0	- ALTER DE CONTRACTOR
ITEM		MATERIAL		COND	TION	(gpm)			DE	FECTS			14 Alexandre Ba
FRAME	CAST			1									
CORBEL	BRICK			2			Deterioratin	g brick, M	issing mortar				
STEPS	BRICK			1									
-	BRICK			1									The State Lange of the A
WALLS				-									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	Invert:	NONE E	VIDENT	Curre	ently:	Fe	et	Marks To:	Feet	:		E(EDMA)
LINE CON	DITIONS	6	D ¹ T	Dine			Flow	Debrie	Line		Ima	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction		onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Cond				
(In / Out) IN FROM		/H #	Depth 06' 01"	6	Materia VCP	-	(In.) 0.10	(In.)	(1-5) 0				Line Comments
	20100			0	VOF		0.10	U	5				
IN FROM	20787		05' 11"	6	VCP		0.10	0	0				
ουτ το	20788		06' 00"	8	VCP	_	0.25	0	0				
	20100		00 00	0	VUP		0.25	U					

Flow As	ssess	ment Se	ervices	s, LLC	. Stru	cture I	nspect	tion Lo	og	🖌 Surfa	ace 🗌 I	nternal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20783		+20797
Street:	-	Rosevvelt Av	venue and	d Fairmon	t Way					Sub-System:			-20789
Inspection	Date:	4/30/2020		Insp	ector:	MA	м	ap #:					
COVER C Buried:		TERISTICS /				VER INFL Area 1: P		ENTIAL		COVE	R HOLES QTY S	IZE (In)	+20771
Grade:			In.	1	50 X	2 X	0.9 =	= 27	70 (SQFT)	Pick Hole(s)	3	1.5	\sim
Clear Ope	-			Dr	ainage A			(if	applicable)	Lift Hole(s)			-30058
Inside Fra					Х		(0.9 =		(SQFT)	Other Hole(s)			
Frame Hei Cover Typ	-		ln.	Infl	ow Not lil	kely:	Area Sul	oject To Fl	looding:]			Ft. to DS MH #: 30058
Cover Typ Cover Cond			s Missing:	Co	rroded:	Crack	ed: 🗌	Missing:	Restrain	nt Missing: 🔄 Rest	raint Defect	ve:	Cracked pavement surrounding frame
INTERNAL	MANHO		ATIONS				Nu	mber of F	rame Adjustr	ment Rings:	0		
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DE	FECTS			
FRAME	CAST			3	3		Cracked						
CORBEL	BRICK			2	2		Missing mo	ortar					
STEPS	BRICK			1									
WALLS	BRICK			2	2		Staining						
FLOOR	BRICK			1									1
INVERT	BRICK			1									
Surcharge	e From I	nvert:	NONE E	VIDENT	Curre	ntly:	F	eet	Marks To:	Feet			C.B.O.M.
LINE CON Direction (In / Out)	Co	nnect IH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)		Ima	ge Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Line Comments
IN FROM	20771		05' 06"	6	VCP		0.10	0	0				
IN FROM	20797		05' 07"	6	VCP		0.10	0	0				
OUT TO	20789		05' 07"	6	VCP		0	2.00	0				
OUT TO	30058		05' 09"	6	VCP		0.10	0					

Flow A	ssess	ment Se	ervice	s, LLC	. Stru	cture I	nspect	ion Lo	bg	🖌 Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipal	ity:	Hull, MA								Manhole No.:	20784	Ļ	+20799
Street:		Merrill Road	and Islar	dview Roa	ad					Sub-System:			
Inspection	Date:	4/30/2020		Insp	ector:	MA	M	ap #:		-			
		TERISTICS /	COMME			OVER INFL		-		COVE	R HOLE	S	-20775-
						Area 1: F				0012	QTY	SIZE (In)	
Grade:	AT		In.	1	00 X	2	C 0.9 =	: 18	0 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ening Dia			Dr	ainage	Area 2:		(if a	applicable)	Lift Hole(s)			-20771
Inside Fra			In.		Х		X 0.9 =		(SQFT)	Other Hole(s)			-20171
Frame He Cover Typ	-		In.	Infl	ow Not li	ikely:	Area Sub	oject To Flo	ooding:]			198 Ft. to DS MH #: 20771
Cover Cond		ınd: 🖌 Bolt	s Missing:	: 🗆 Co	rroded:	Crack	ked: 🗌 I	Missing: [Restrair	nt Missing: 🦳 Rest	raint Def	ective:	Cracked pavement surrounding frame
INTERNAL							Nu	mber of Fra	ame Adjustr	ment Rings:		0	
ITEM		MATERIAL		COND	ITION	Leaks			DE	FECTS			
FRAME	CAST					(gpm)							
CORBEL	BRICK			2			Missing ma	rtor					- Andrew Constant
÷							wissing mo	itai					
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	CNI			C)		Blockage						
INVERT	CNI			C)		Blockage						
Surcharg	je From I	Invert:	NONE E	VIDENT	Curre	ently:	Fe	eet N	Marks To:	Feet			E(ED)
LINE CON	IDITIONS	6	Dim Te	Dino			Flow	Debris	Line		Ir	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	N	onnect /H#	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint al Length	Depth	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20799		05' 01"	6	VCF		0.10	5.00	0				
OUT TO	20771		05' 03"	6	VCF	>	0.10	0	0				
OUT TO	20775		04' 03"	6	VCF	>	0	0	0				

Flow A	ssess	ment Se	ervices	s, LLC.	Stru	cture I	nspect	tion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20785		+20802
Street:		3 Hampton C	Circle							Sub-System:			
Inspection	Date:	5/4/2020		Inspe	ector:	MA	М	ap #:					
COVER C	HARACI	TERISTICS /	COMME	-				-		COVE	R HOLES		+20773
						Area 1: F				0012		SIZE (In)	
Grade:	BELOW		 1 In.	2	25 X	2 >	(0.9 =	: 4	45 (SQFT)	Pick Hole(s)			
Clear Ope	ning Dia	ı.: 22	In.	Dra	ainage	Area 2:		(if	applicable)	Lift Hole(s)			1
Inside Fra	me Dia.:				Х	2	X 0.9 =		(SQFT)	Other Hole(s)			-20778
Frame Hei	-		In.	Infl	ow Not li	kely:	Area Sul	oject To Fl	looding:]			141 Ft. to DS MH #: 20778
Cover Typ													Cracked and missing pavement surrounding frame
Cover Cond		ind: 🖌 Bolts			rroded:	Crack		Missing:		•	traint Defec		
1		DLE OBSER	ATIONS			Leaks	Nu	Inder of F	rame Adjustn			0	S. Standard
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			A CONTRACTOR OF A
FRAME	CAST			1									At a fair the second
CORBEL	BRICK			2			Deterioratir	ng brick					
STEPS	BRICK			1									
WALLS	BRICK			2			Staining						
+							Stanning						
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	Invert:	NONE E	VIDENT	Curre	ently:	F	eet	Marks To:	Feet	t		E (FLOW
LINE CON	DITIONS	5	D ' 11 T 1	Dine			Flow	Debris	Line		Ima	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction		onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Depth	Depth	Cond				Line Comments
(In / Out) IN FROM	1	/H #	Depth 07' 09"	8	Materia VCP		(In.) 0.25	(In.)	(1-5)				Line Comments
	20113		01 03	0			0.23	0	U U				
IN FROM	20802		07' 10"	8	VCP		1.75	0.25	0				
	20778		07' 11"	8	VCP	,	2.00	0.25	0				
Ουτ το	20110		07 11	o	VCP		2.00	0.20	0				

Flow A	ssess	sment Se	ervices,	, LLC. Stru	icture I	nspectio	on Lo	og	Surfa	ce 🗌	Internal	LINE ORIENTATION
Municipali	ity:	Hull, MA							Manhole No.:	20786	;	
Street:		5 Morland Av	venue						Sub-System:	4		
Inspection	Date:	4/30/2020		Inspector:	MA	Мар	#:					
COVER C	HARAC	TERISTICS /	COMMEN	TS C	OVER INFL	OW POTEN	TIAL		COVER	R HOLE	S	
Buried:	CNL	CNI:		Drainage	Area 1: P	Pavement				QTY	SIZE (In)	
Grade:	ABOVE		0.5 ln.	50 X	2 X	C 0.9 =	90	0 (SQFT)	Pick Hole(s)	2	1.5	X
Clear Ope	ening Dia			Drainage	Area 2:		(if a	applicable)	Lift Hole(s)			-20794
Inside Fra)	()	X 0.9 =		(SQFT)	Other Hole(s)			-20794
Frame He	0		ln.	Inflow Not	likely:	Area Subje	ct To Flo	ooding:				125 Ft. to DS MH #: 20794
Cover Typ		er Cover							·			Starter Manhole
Cover Cond	d: Sou	und: 🖌 Bolts	s Missing:	Corroded:	Crack		ssing:		t Missing: 🖌 Resti	aint Def	ective:	
INTERNAL	MANHO	DLE OBSERV	ATIONS	1	1	Numb	per of Fra	ame Adjustm	nent Rings:		0	All and a start
ITEM		MATERIAL		CONDITION	Leaks (gpm)			DE	FECTS			
FRAME	CAST			2		Chipped						EN AND NOR
CORBEL	BRICK			1								
STEPS	PLAST	ïC		1								
WALLS	PREC	AST		1								
FLOOR	BRICK			1								
INVERT	BRICK			1								
Surcharg	e From	Invert:	NONE EV	IDENT Curr	ently:	Feet	t N	Marks To:	Feet			E (ELEW CARA
LINE CON	DITIONS	6		Dina			Dahaia	Line		Ir	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect //H #	Rim To Invert I Depth	Pipe Dia. (In.) Pipe Materi		Depth	Debris Depth (In.)	Cond (1-5)				Line Comments
. ,	20794	WIT1 #	04' 08"	6 PV		0	0.50	0				

Flow A	ssess	ment Se	ervices	s, LLC.	Stru	cture l	nspect	ion Lo	og	✓ Surf	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	20787	7	+20782
Street:		7 Andrew Ro	bad							Sub-System			
Inspection	Date:	5/4/2020		Inspe	ector:	MA	Ма	ap #:					Y Y
COVER C	HARAC	TERISTICS /	COMME	NTS	со	VER INFL	OW POTE	NTIAL		COVE		S	
Buried:	CNL:	CNI:		Dra	ainage A	Area 1: P					QTY	SIZE (In)	入 人
Grade:	AT		ln.		2 X	2 X	0.9 =		4 (SQFT)	Pick Hole(s)			X
Clear Ope	-		In.	Dra	ainage A	Area 2:		(if	applicable)	Lift Hole(s)			-20802
Inside Fra			In.		Х)	(0.9 =		(SQFT)	Other Hole(s)			-20002
Frame Hei	-		ln.	Infle	ow Not li	kely: 🖌	Area Sub	ject To Flo	ooding:]			258 Ft. to DS MH #: 20802
Cover Typ			o Minoingu		we de du			liacing	Destroir	t Missing: 🗌 Res	traint Def	iaatiwa.	Cracked pavement surrounding frame
		ınd: 🖌 Bolt			roded:	Crack		lissing:		•	traint Dei		
INTERNAL	. MANHC	DLE OBSER	VATIONS			Lasta	Nur	nber of Fr	ame Adjustr	nent Rings:		0	- CI AND - LINE AND A A
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DE	FECTS			A CONTRACTOR
FRAME	CAST			1									
CORBEL	BRICK			2			Deteriorating	g brick					ALL
STEPS	BRICK			1	-			-					
-													
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	VIDENT	Curre	ently:	Fe	et I	Marks To:	Fee	t		(LQM)
LINE CON	DITIONS	3							Line		li	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			-	
(In / Out)		/H #	Depth		Materia	l Length	(In.)	(ln.)	(1-5)				Line Comments
IN FROM	20782		05' 03"	6	VCP		0	0	0				
Ουτ το	20802		05' 03"	6	VCP		0	0	0				

Flow As	ssess	ment Se	ervice	s, LLC.	Stru	cture I	nspect	ion Lo	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20788		+20782
Street:		45 Hampton	Circle							Sub-System:	4		
Inspection	Date:	5/4/2020		Inspe	ector:	MA	M	ap #:		-			
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	со	VER INFL	OW POTE	ENTIAL		COVE	R HOLE	s	
	CNL:				-	Area 1: P			· · · · · · · · · · · · · · · · · · ·		QTY	SIZE (In)	+SE
Grade:	-		0.5 ln.		20 X		0.9 =		6 (SQFT)				\sim
Clear Ope	-			Dra	ainage A X		(0.9 =		applicable) (SQFT)				-20808
Frame Hei			In.	Infl	A ow Not lil				(SQFT) ooding: 🗸				274 Et to DO MULIII 20000
Cover Typ	e: Soli	id						,	Jeanig.				374 Ft. to DS MH #: 20808
Cover Cond	: Sou	ınd: 🖌 Bolt	s Missing:	Co	roded:	Crack	ed: 🗌 l	lissing:	Restrai	nt Missing: 🗌 Rest	raint Defe	ective:	Cracked and missing pavement surrounding frame
INTERNAL	MANHC	DLE OBSER	VATIONS	•			Nu	mber of Fi	rame Adjust	ment Rings:		0	A Start A
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DI	EFECTS			1 The section in the
FRAME	CAST			1									
CORBEL	BRICK			3			Loose brick	, Offset 5"					
STEPS	BRICK			1									
-													
WALLS	BRICK			1									
FLOOR	BRICK			1									A PORT BERT AND A PARTY
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ntly:	Fe	eet	Marks To:	Feet	t		CRAME AND A REPORT
LINE CON	DITIONS	;	Dim Te	Pipe			Flow	Debris	Line		In	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction		nnect	Rim To Invert	Dia. (In.)	Pipe	Joint	Depth	Depth	Cond (1-5)				Line Comments
(In / Out) IN FROM		/H #	Depth 04' 07"	4	Materia VCP		(In.) 0.10	(In.) 0		Service			
IN FROM	20782		04' 09"	8	VCP		0.25	0	0				
ουτ το	20808		04' 10"	8	VCP		0.25	0	0				

Municipality: Hull, MA Ma Manhole No.: 20789 Street: Fairmount Way and Hillside Road Sub-System: 4 Inspection Date: 4/30/2020 Inspector: MA Map #: COVER CHARACTENISTICS / COMMENTS Buried: CNL: COVER CNAL COVER INFLOW POTENTIAL COVER HOLES OTY SIZE (n) Grade: AT In. Drainage Area 1: Payment OTY SIZE (n) Inside Frame Dia:: 24 in. Drainage Area 2: (if applicable) Uff Hole(s) - - Cover Type: Sound: Ø tot Missing: Coracked: Massing:: Restraint Missing:: Restraint Missing: Parame Higs Cover Type: Sound: Ø tot Missing: Coracked: Massing:: Restraint Missing:: 0 Interve Number of Frame Adjustment Rings: 0 0 Cracked and missing payment surrounding frame - Interve Number of Frame Adjustment Rings: 0 0 - - - Item Matrial Condition I 1 - - - - Intecont 1 - -<	Flow As	ssess	ment Se	ervices	s, LLC.	Stru	cture I	nspect	ion Lo	og	Surfa	ice [Internal	LINE ORIENTATION
Street: Fairmount Way and Hillside Road Sub-System: 4 Inspection Date: 4/30/2020 Inspector: MA Map #: COVER CHARACTERISTICS / COMMENTS Buried: COVER INFLOW POTENTIAL Drainage Area 1: COVER INFLOW POTENTIAL Drainage Area 2: COVER HOLES (IT Y SIZE (In)) Information of the potential informat	Municipalit	ty:	Hull, MA								Manhole No.:	2078	Э	+20783
Inspection Date: 4/30/2020 Inspector: MA Mappet: Field of the spector: MA Mappet: Mappet: Mappet: Field of the spector: Mappet: Field of the spector: Mappet: Field of the spector: MA COVER HOLES OTY SiZE (In Graded and missing field of the spector: Sound:	Street:		Fairmount W	/ay and H	lillside Roa	ıd								
COVER CHARACTERISTICS / COMMENTS COVER INFLOW POTENTIAL COVER HOLES Buried: CNL: CNI: In. Drainage Area 1: Pavement COVER HOLES QTY SIZE (n) Grade: AT In. Drainage Area 1: Pavement COVER HOLES QTY SIZE (n) Pick Hole(s) 2 1.5 Clear Opening Dia: 22 In. Drainage Area 2: (if applicable) Pick Hole(s) 2 1.5 Frame Height: 6 In. Corroded: Cracked: Missing: Restraint Missing: Restraint Defective: Cracked and missing pavement surrounding frame WTERNAL MATERIAL CONDITION Leaks Number of Frame Adjustment Rings: 0 Cracked and missing pavement surrounding frame ITEM MATERIAL CONDITION Leaks Differed Control of the pade	Inspection	Date:	1/20/2020		Inco	octor-	MA	М	an #:					
Buried: CNL: CNI: In. Grade: AT In. Grade: AT In. Clear Opening Dia: 22 In. Inside Frame Bia: 24 In. Frame Bia: 24 In. Frame Bia: 24 In. Frame Bia: 24 In. Grade: AT Cover Type: Solid Rin To Pipe Material Line Cover Type: Surcharge From Invert: NONE EVIDENT Currently: Feet Marker To Pipe Direction Condet Invert Diation Pipe Staining Frace 1 Condet Invert None EVIDENT Feet <td></td> <td>-0</td> <td>-+20806</td>													-0	-+20806
Grade: AT In. 200 X 2 X 0.9 = 360 (SQFT) Pick Hole(s) 2 1.5 In. Clear Opening Dia: 22 In. Drainage Area 2: (if applicable) Lift Hole(s) -									ENTIAL		COVER			
Clear Opening Dia:: 22 In. Inside Frame Dia:: 24 In. Frame Height: Drainage Area 2: (if applicable) X Lift Hole(s)	_								: 36	60 (SQFT)	Pick Hole(s)		. ,	
Inside Frame Dia.: 24 In. Frame Height: 6 In. Cover Type: Solid Cover Cond: Sound: Bolts Missing: Corroded: Cracked: Missing: Corroded: Cracked: MATERIAL CONDITION Leaks (gpm) Diped CORBEL BRICK BRICK 1 Steps SRICK NVERT BRICK BRICK 1 Steps Steps Steps Steps Step	Clear Oper	ning Dia	.: 22	In.	Dra	ainage					.,			The Table
Frame Height: 6 In. Inflow Not likely: A rea Subject To Flooding: 102 Ft. to DS MH #: 20793 Cover Type: Solid Solid Corroded: Cracked: Missing: Restraint Missing: Restraint Defective: Cracked and missing pavement surrounding frame INTERNAL MANHOLE OBSERVATIONS Number of Frame Adjustment Rings: 0 INTERNAL MATERIAL CONDITION Leaks DEFECTS FRAME CAST 2 Chipped CORBEL BRICK 1 Leaks BRICK 1 1 VALLS BRICK 1 BRICK 1 1 Surcharge From Invert: NONE EVIDENT Context None EVIDENT From Invert: NONE EVIDENT Currently: Feet Material Length Flow Direction Connect Invert Dia, (In, P) Pipe Flow Deptin Deptin Connect Invert Dia, (In, P)	Inside Fran	me Dia.:	24	ln.		x	2	X 0.9 =						-20793
Cover Cond: Sound: Bolts Missing: Corroded: Cracked: Missing: Restraint Missing: Restraint Defective: Cracked and missing pavement surrounding frame INTERNAL MANHOLE OBSERVATIONS Number of Frame Adjustment Rings: 0 ITEM MATERIAL CONDITION Leaks (gpm) DEFECTS 0 FRAME CAST 2 Chipped Condition Leaks (gpm) DEFECTS 0 STEPS BRICK 1 Condition Leaks (gpm) DEFECTS 0 Image Path Condition Image Path Image Path Image Path Image Path Image Path Cracked and missing pavement surrounding frame VALLS BRICK 1 Image Path Conduction Image Path Cit/Users/FAS2020A/Desktop/Hull MH photos/4-30-2020/DS INVERT Rim To Invert Pipe Invert Material Length Depth Depth Cond Invert Pipe Material Length Depth Cond Invert Image Path Cit/Users/FAS2020A/Desktop/Hull MH photos/4-30-2020/DS		-		In.	Infl	ow Not li	kely:	Area Sub	ject To Fl	ooding:				102 Ft. to DS MH #: 20793
INTERNAL MANHOLE OBSERVATIONS Number of Frame Adjustment Rings: 0 ITEM MATERIAL CONDITION Leaks (gpm) DEFECTS FRAME CAST 2 Chipped CORBEL BRICK 1 Condition Leaks DEFECTS WALLS BRICK 1 Condition Leaks Defector Condition Condition Chipped Steps BRICK 1 Condition Frame Adjustment Rings: 0 Condition Chipped WALLS BRICK 1 Condition Chipped Condition Clusers/FAS2020A/Desktop/Hull MH photos/4-30-2020DS Line Comments Direction Connect Invert Dia. (fn.) Pipe Joint Depth Depth Cond Line Cond Line Comments														Cracked and missing pavement surrounding frame
ITEM MATERIAL CONDITION Leaks (gpm) DEFECTS FRAME CAST 2 Chipped CORBEL BRICK 1 STEPS BRICK 1 WALLS BRICK 2 Staining FLOOR BRICK 1 INVERT BRICK 1 Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet LINE CONDITIONS Rim To Invert Pipe Dia. (In.) Fipe Material Line Depth Image Path: C:Users\FAS2020AlDesktop\Hull MH photos\4-30-2020DS Direction (In / out) Connect MH # Pipe Depth Depth Opth Cond (In.) Line Cond Cond (In.) Line Comments						roded:	Crack		-		•	raint De		
ITEM MATERIAL CONDITION (gpm) DEPECTS FRAME CAST 2 Chipped Conset BRICK 1 2 Chipped CORBEL BRICK 1 2 Comparison	INTERNAL	MANHO		VATIONS			Looko	Nu	mber of Fr	rame Adjustr	nent Rings:		0	- ATA AND AND AND AND AND AND AND AND AND AN
CORBEL BRICK 1 Image Path: COULDENT COULDENT COULDENT COULDENT COULDENT COULDENT COULDENT COULDENT Feet Marks To: Feet Image Path: C:Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Direction Connect Rim To Pipe Joint Depth Cond Line C:Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS	ITEM		MATERIAL		COND	ITION				DE	FECTS			
STEPS BRICK 1 I	FRAME	CAST			2			Chipped						
WALLS BRICK 2 Staining FLOOR BRICK 1 2 INVERT BRICK 1 2 Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Surcharge From Invert: NONE EVIDENT Connect Invert Direction Connect Invert Dia. (In.) Pipe Joint NH # Depth	CORBEL	BRICK			1									
WALLS BRICK 2 Staining FLOOR BRICK 1 2 Staining INVERT BRICK 1 2 Staining Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet LINE CONDITIONS Rim To Pipe Joint Flow Debris Line Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Direction Connect Invert Dia. (In.) Pipe Joint Debris Line Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Direction (in / Out) MH # Depth Dia. (In.) Pipe Doint Depth Depth Cond Line Comments	STEPS	BRICK			1									ALL AND A CONTRACT OF A DECIMAL
FLOOR BRICK 1 1 INVERT BRICK 1 BRICK 1 Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet Invert: NONE EVIDENT Connect Invert Direction Connect Invert Dia. (In.) Pipe Joint Depth Depth Cond Cond Line Comments Line Comments	-	BRICK			2			Staining						
INVERT BRICK 1 Image Path C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet LINE CONDITIONS Rim To Pipe Joint Flow Debris Line Direction (In / Out) Connect Invert Dia. (In.) Pipe Joint Depth Cond Material Connect Invert Dia. (In.) Pipe Joint Depth Cond Cond MH # MH # Depth Direction Cond Invert Direction Cond Line Comments	÷							Stanning						
Surcharge From Invert: NONE EVIDENT Currently: Feet Marks To: Feet Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS LINE CONDITIONS Rim To Pipe Joint Depth Depth Cond Image Path: C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS Direction Connect Invert Dia. (In.) Pipe Joint Depth Depth Cond (In / Out) MH # Depth Depth (In.) (In.) (1-5) Line Comments	-				1									
LINE CONDITIONS Rim To Pipe Flow Debris Line Direction Connect Invert Dia. (In.) Pipe Joint Depth Depth Cond (In / Out) MH # Depth Material Length (In.) (In.) (1-5) Line Comments	INVERT	BRICK			1									Y CAR SUPPLY
Rim To Pipe Flow Debris Line Direction Connect Invert Dia. (In.) Pipe Joint Depth Cond (In / Out) MH # Depth Material Length (In.) (In.) (1-5)	Surcharge	e From I	nvert:	NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Feet			
Direction Connect Invert Dia. (In.) Pipe Joint Depth Depth Cond (In / Out) MH # Depth Material Length (In.) (In.) (1-5) Line Comments	LINE CON	DITIONS		Dim To	Pino			Flow	Dobris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
(iii) (iii) (iii) (iii) (iii) (iii)				Invert				Depth	Depth	Cond				Line Commonts
			IH #		6					1 1				Line Comments
					5			0.10						
IN FROM 20806 07' 03" 6 VCP 0.10 0 0	IN FROM	20806		07' 03"	6	VCP		0.10	0	0				
OUT TO 20793 07' 06" 6 VCP 0.25 0 0	Ουτ το	20793		07' 06"	6	VCP	,	0.25	0	0				

Flow A	ssess	ment Se	ervices	s, LLC	Stru	cture l	nspect	ion L	og		Surfac	e [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole	No.:	20797	,	+North
Street:		28 Roosevel	t Avenue							Sub-Syst				1 m
Inspection	Date:	4/30/2020		Insp	ector:	MA	Ma	ap #:		-				Y Y
COVER C	HARAC	TERISTICS /	COMMEN	NTS	СО	VER INFL		INTIAL		(COVER	HOLE	S	
Buried:	CNL:	CNI:		Dra	ainage /	Area 1: P	avement					QTY	SIZE (In)	
Grade:	AT		In.	1	00 X	2 X	0.9 =	18	30 (SQFT)	Pick Hole	s)	2	1.5	
Clear Ope	-			Dra	ainage A	Area 2:		(if	applicable) Lift Hole(s)			-20783
Inside Fra					Х)	(0.9 =		(SQFT)	Other Hole	e(s)			-20105
Frame Hei Cover Typ	•		In.	Infl	ow Not li	kely:	Area Sub	ject To Fl	looding:					228 Ft. to DS MH #: 20783
Cover Typ		ınd: 🖌 Bolts	s Missina:		rroded:	Crack	ed. 🗆 V	lissing:	Restra	int Missing:	Restra	aint Def	ective:	Cracked pavement surrounding frame
			-		Toucu.					tment Rings:	_ nestra		0	
	MANINC	MATERIAL	ATIONS	COND		Leaks							•	
ITEM		MATERIAL		COND	TION	(gpm)			D	EFECTS				
FRAME	CAST			1										
CORBEL	BRICK			1										
STEPS	BRICK			1										
WALLS	BRICK			2	,		Staining							
FLOOR	BRICK			1			0							Color State Color
+														
INVERT	BRICK			1										
Surcharg	e From	Invert:	NONE EV	/IDENT	Curre	ently:	Fe	eet	Marks To:		Feet			Carlow Contraction of the second
LINE CON	DITIONS	3	Rim To	Pipe			Flow	Debris	Line			li	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction		onnect	Invert	Dia. (In.)	Pipe	Joint	Depth	Depth	Cond					Line Comments
(In / Out) IN FROM		/IH #	Depth 05' 10"	6	Materia VCP	· J.	(In.) 0.10	(In.) 0	(1-5) 0	Start of line				Line Comments
				0			0.10		Ū	Clart of Into				
Ουτ το	20783		05' 11"	6	VCP		0.10	0						

Flow A	ssess	sment Se	ervices	s, LLC	. Stru	icture I	nspect	tion Lo	og	✓ Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2079	8	in the second se
Street:		Roosevelt Av	venue and	d Eastern	Avenue					Sub-System:	4		+NW
Inspection	Date:	4/30/2020		Insp	ector:	MA	М	ap #:		-			
	-	TERISTICS / :	СОММЕ	-	-	OVER INFL Area 1:		ENTIAL		COVE	R HOL QTY	-	
Grade:			∟ In.		8 X		(0.9 =	= 1	4 (SQFT)	Pick Hole(s)	u ii 1	312E (III) 2	+SE
Clear Ope	ning Dia	a.: 24	In.	Dr	ainage	Area 2:		(if	applicable)	Lift Hole(s)			
Inside Fra		-	In.		х	[X 0.9 =	•	(SQFT)	Other Hole(s)			-20822
Frame He	-		In.	Inf	low Not I	ikely:	Area Sul	bject To Fl	ooding:				233 Ft. to DS MH #: 20822
Cover Typ		und: 🔽 Bolt	s Missina.		orroded:	Cracl	ed. 🗆 I	Missing:	Restrai	nt Missing: 🦳 Rest	raint De	efective:	Cracked pavement surrounding frame
			-		noucu.				rame Adjust	- 🗆		0	
ITEM		MATERIAL			DITION	Leaks (gpm)				FECTS			
FRAME	CAST				1	(9011)							
CORBEL	BRICK			2	2		Missing mo	ortar					
STEPS	BRICK	,		1	1								
WALLS	BRICK			1	1								
FLOOR	BRICK			1	1								NAME AND STOLL
INVERT	BRICK			1	1								
Surcharg	e From	Invert:	NONE E	VIDENT	Curr	ently:	F	eet	Marks To:	Feet	:		GEOW STATISTICS
LINE CON	DITIONS	S	Rim To	Pipe			Flow	Debris	Line			Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect VH #	Invert Depth	Dia. (In.)	Pipe Materia		Depth	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	NW		05' 04"	6	VCF	-	0.10	0	0	Start of line			
IN FROM	SE		05' 04"	6	VCF	>	0.10	0	0 \$	Service			
оит то	20822		05' 08"	6	VCF	2	0.10	0	0				

Flow A	ssess	sment Se	ervices	s, LLC	Stru	cture li	nspect	tion L	og	✓ Surf	ace [Internal	LINE ORIENTATION
Municipal	ity:	Hull, MA								Manhole No.	2079	9	-20815
Street:		31 Merrill Ro	bad							Sub-System:			1 m
Inspection	Date:	4/30/2020		Insp	ector:	MA	М	lap #:					
		TERISTICS / :		-		OVER INFL Area 1: P		ENTIAL		COVE	R HOLI	ES SIZE (In)	
Grade:		. [] •	LII.		2 X		0.9 =	=	4 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope Inside Fra	-		ln. In.	Dra	ainage / X		(0.9 =		f applicable) (SQFT)	Lift Hole(s) Other Hole(s)			-20784
Frame He Cover Typ	-		In.	Infl	ow Not li	kely: 🗸	Area Sul	bject To F	looding:]			221 Ft. to DS MH #: 20784
Cover Con		und: 🖌 Bolt	s Missing:	Co	rroded:	Crack	ed: 🗌 I	Missing:	Restrair	t Missing: 🗌 Res	traint De	fective:	Cracked pavement surrounding frame
INTERNAL	MANHO	DLE OBSER	VATIONS				Nu	Imber of F	Frame Adjustr	nent Rings:		0	
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DE	FECTS			
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mo	ortar					
STEPS	BRICK			1									
WALLS	BRICK			3		0.1	Dripping in	filtration					
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	je From	Invert:	NONE E	VIDENT	Curre	ently:	F	eet	Marks To:	Fee	t		C.S.
LINE CON	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Cond		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
(In / Out) OUT TO	20784	VH#	Depth 05' 07"	6	Materia VCP		(In.) 0.50	(In.)	(1-5) 0				Line Comments
Ουτ το	20815		05' 07"	6	VCP		0.50	0	0				

Flow As	ssess	sment Se	ervices	, LLC	C. Stru	cture I	nspec	tion L	og	🖌 Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2080	0	
Street:		Porrazzo Ro	ad and Ba	/ Street	t					Sub-System:			
Inspection	Date:	4/30/2020		Ins	pector:	MA	Ν	/lap #:					+20804
COVER C	HARAC	TERISTICS /	COMMEN	тз	CC	OVER INFL	OW POT	ENTIAL		COVE		S	
Buried:	CNL:	CNI:		D	Drainage /	Area 1: 🛛	Pavement				QTY	SIZE (In)	
Grade:	AT		In.		50 X	2 🗴	(0.9	= 9	90 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	-			D	Drainage /				applicable)	Lift Hole(s)			-20801
Inside Fra			In. In.		Х		X 0.9		(SQFT)	Other Hole(s)			
Frame Hei Cover Typ	-		m.	In	nflow Not li	kely:	Area Su	ubject To Fl	looding:]			41 Ft. to DS MH #: 20801
Cover Cond		ınd: 🖌 Bolts	s Missina:		Corroded:	Crack	ked:	Missing:	Restrai	nt Missing: 🥅 Rest	raint De	fective:	Cracked pavement surrounding frame
								-	rame Adjust	<u> </u>		0	
ITEM		MATERIAL		CON		Leaks				FECTS			
-		MATERIAL		CON		(gpm)			DE	FECIS			
FRAME	CAST				1								
CORBEL	BRICK				2		Loose brid	k					
STEPS	BRICK				1								
WALLS	BRICK				3	0.1	Weeping i	infiltration					
FLOOR	BRICK				2		Missing m	ortar					
INVERT	BRICK				1								NA STREET AND
Surcharg	e From	Invert:	NONE EV	IDENT	Curre	ently:	F	Feet	Marks To:	Feet			C. LOW
LINE CON	DITIONS	6	Dim Ta	Ding			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)) Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20804		06' 10"	6	VCP		0.10	0	0				
Ουτ το	20801		06' 09"	8	VCP	,	0.10	0	0				

Flow As	ssess	ment Se	ervices	s, LLC.	Strue	cture I	nspect	ion Lo	og	🖌 Surfa	ace 🗌 Internal	LINE ORIENTATION
Municipali		Hull, MA 15 Hampton	Cirolo							Manhole No.:		+20807
Street:		15 Hampton	Circie							Sub-System:	4	
Inspection	Date:	5/4/2020		Inspe	ector:	MA	M	ap #:				+20787
COVER C	HARACT	ERISTICS /	COMMEN	NTS	CO	VER INFL	OW POTE	INTIAL		COVE	R HOLES	
Buried:	CNL:	CNI:			-	vrea 1: 🛛					QTY SIZE (In)	~ ~ ~
Grade:	BELOW		0.25 In.	1	50 X	2 X	(0.9 =	27	70 (SQFT) Pick Hole(s)		X
Clear Ope	-			Dra	inage A			(if	applicable) Lift Hole(s)		-20785
Inside Fra		24			Х	2	X 0.9 =		(SQFT)	Other Hole(s)		-20103
Frame Hei	•		In.	Inflo	ow Not lik	kely:	Area Sub	ject To Fl	ooding:			203 Ft. to DS MH #: 20875
Cover Typ Cover Cond		nd: 🖌 Bolts	s Missing:	Cor	roded:	Crack	ked: 🗌 I	lissing:	Restra	int Missing: 🗌 Rest	raint Defective:	Cracked pavement surrounding frame
INTERNAL	MANHO	LE OBSERV	ATIONS				Nu	mber of Fr	rame Adjus	tment Rings:	0	Martin and the second s
ITEM		MATERIAL		COND		Leaks (gpm)			D	EFECTS		A CONTRACTOR
FRAME	CAST			1								
CORBEL	BRICK			3		0.1	Missing mo	rtar, Wepp	oing infiltratio	on		
STEPS	BRICK			1								
WALLS	BRICK			1								
FLOOR	BRICK			1								
INVERT	BRICK			1								A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWNE
Surcharg	e From Ir	nvert:	NONE E	VIDENT	Curre	ntly:	Fe	et	Marks To	Feet	:	E(ILOW)
LINE CON	DITIONS		Rim To	Pipe			Flow	Debris	Line		Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)		nnect H #	Invert Depth	Dia. (In.)	Pipe Material	Joint Length	Depth	Depth (In.)	Cond (1-5)			Line Comments
IN FROM	20787		05' 08"	8	VCP		0.50	0	0	Outside drop		
IN FROM	20807		08' 09"	8	VCP		1.00	0	0			
OUT TO	20785		08' 10"	8	VCP		1.50	0	0			

Flow As	ssessment Service	es, LLC. Stru	ucture I	nspection	Log	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipalit	y: Hull, MA					Manhole No.:	20804		
Street:	Porrazzo Road and	Sagamore Terrace				Sub-System:	4		
Inspection	Date: 4/30/2020	Inspector:	MA	Map #:					
COVER CI	HARACTERISTICS / COMM	ENTS C	OVER INFL	OW POTENTIAL	-	COVE	R HOLE	S	
Buried:	CNL: 🖌 CNI: 🗌	Drainage	Area 1:				QTY	SIZE (In)	
		X	()	K 0.9 =	(SQFT)	Pick Hole(s)	2	2	
Clear Oper	ning Dia.: In.	Drainage	Area 2:	Soil	(if applicable)	Lift Hole(s)			
Inside Fran		2	K I	X 0.3 =	(SQFT)	Other Hole(s)			
Frame Heig Cover Type	0	Inflow Not	likely:	Area Subject To	Flooding:				Ft. to DS MH #:
Cover Type		g: Corroded:	Cracl	ked: 🗌 Missing	Restrain	t Missing: 🗌 Rest	raint Def	ective:	Cannot locate
INTERNAL	MANHOLE OBSERVATION	S		Number of	Frame Adjustn	nent Rings:			
ITEM	MATERIAL	CONDITION	Leaks (gpm)		DE	FECTS			
FRAME		0							
CORBEL		0							
STEPS		0							
WALLS		0							
FLOOR		0							
INVERT		0							
Surcharge	e From Invert: NONE	EVIDENT Cur	rently:	Feet	Marks To:	Feet			
LINE CONL	DITIONS Rim To			Flow Debri			Ir	nage Path:	
Direction (In / Out)	Connect Invert MH # Depth	Dia. (In.) Pipe Mater		Depth Depth (In.) (In.)					Line Comments

Flow A	ssess	sment Se	ervices	s, LLC	Stru	cture l	nspect	tion Lo	og	✓ Surf.	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2080	6	+20822
Street:		10 Hillside R	Road							Sub-System:			
Inspection	Date:	4/30/2020		Insp	ector:	MA	M	ap #:					
COVER C		TERISTICS /	СОММЕ					•		COVE		ES	()-
Buried:	-			-		Area 1: P					QTY	SIZE (In)	
Grade:	AT		In.	1	00 X	2 X	0.9 =	= 18	30 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia		In.	Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20789
Inside Fra		-	ln.		Х)	(0.9 =		(SQFT)	Other Hole(s)			-20789
Frame He	-		In.	Infl	ow Not lil	kely:	Area Sub	oject To Fl	looding:]			323 Ft. to DS MH #: 20789
Cover Typ			o Miosing		ure de du			Minaina	Destroir	t Missing, 🖂 Baa		faatiwa.	Cracked and missing pavement surrounding frame
Cover Cond		und: 🖌 Bolt			rroded:	Crack		Missing:		-	traint De	fective:	
	MANHO	DLE OBSER	VATIONS			Leaks	nu	mber of F	rame Adjustr			0	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			
FRAME	CAST			1									
CORBEL	BRICK			2	2		Missing mo	ortar					
STEPS	BRICK			1									
+													
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									A State of the Call
Surcharg	e From	Invert:	NONE E	VIDENT	Curre	ntly:	Fe	eet	Marks To:	Fee	t		ERRY
LINE CON	DITIONS	5									I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			-	
(In / Out)		VIH #	Depth		Materia	Length		(In.)	(1-5)				Line Comments
IN FROM	20822		06' 06"	6	VCP		0.10	0	0				
Ουτ το	20789		06' 06"	6	VCP		0.10	0	0				

Flow A	ssess	ment Se	ervices	s, LLC	. Struc	ture Ir	nspect	ion L	og	🖌 Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20807	,	+NW +20808
Street:		25 Hampton	Circle							Sub-System:			
Inspection	Date:	5/4/2020		Insp	ector:	MA	Ма	ap #:					
COVER C	HARAC	TERISTICS /	COMME	NTS	COV	ER INFL	OW POTE	-		COVE		S	
		CNI:			ainage Ar	ea 1: Pa	avement				QTY	SIZE (In)	
Grade:	AT		In.		10 X	2 X	0.9 =		18 (SQFT)	Pick Hole(s)	2	1	X
Clear Ope	ning Dia			Dr	ainage Ar	ea 2:		(if	applicable)	Lift Hole(s)			-20802
Inside Fra					х	х	0.9 =		(SQFT)	Other Hole(s)			-20802
Frame Hei	•		In.	Inf	low Not like	ely:	Area Sub	ject To F	looding:]			236 Ft. to DS MH #: 20802
Cover Typ		ınd: 🖌 Bolts	Missing		orroded:	Cracke		lissing:	Postrain	nt Missing: 🗌 Rest	raint Def	octivo:	
					inoded.			•	Frame Adjustn	-		0	
		MATERIAL	ATIONS			Leaks						•	
ITEM		MATERIAL		CONL	DITION	(gpm)			DE	FECTS			
FRAME	CAST				1								
CORBEL	BRICK			2	2		Missing mor	rtar					
STEPS	BRICK				1								
WALLS	BRICK				1								
FLOOR	BRICK				1								
INVERT	BRICK				1								
					· .		_						ETELSNA STATE
Surcharg			NONE E	VIDENT	Curren	tly:	Fe	et	Marks To:	Feet			
LINE CON	DITIONS	•	Rim To	Pipe			Flow	Debris	Line		li	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)		nnect /IH #	Invert Depth	Dia. (In.)	Pipe Material	Joint Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM			04' 10"	8	VCP		0	0	0 5	Service			
IN FROM	20808		05' 02"	8	VCP		0.75	0	0				
	20000		00 02	<u> </u>			0.70	~	Ŭ				
Ουτ το	20802		05' 02"	8	VCP		0.75	0.25	0				

Flow A	ssess	ment Se	ervices	s, LLC	. Stru	cture I	nspect	tion Lo	og	🖌 Surfa	ice [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2080	8	
Street:		31 Hampton	Circle							Sub-System:			+20788
Inspection	Date:	5/4/2020		Insp	ector:	MA	м	ap #:					Y Y
		ERISTICS /				VER INFL		ENTIAL		COVE			
-		CNI:		Dr	ainage / 8 X	Area1: ⊳ 2 X		_ 1	4 (SOET)		QTY	SIZE (In)	
Grade:		. 22	In.				0.9 =		4 (SQFT)	.,	2	1	\sim
Clear Ope Inside Fra	-	-		Dr	ainage /		(0.9 =		applicable)				-20807
Frame Hei			In.	Inf	X Iow Not li			= bject To Flo	(SQFT)	Other Hole(s)			
Cover Typ	-					Kely.	Area Su		boaing.				44 Ft. to DS MH #: 20807
Cover Cond	l: Sou	nd: 🖌 Bolts	s Missing:	Co	rroded:	Crack	ed:	Missing:	Restrair	nt Missing: 🗌 Rest	raint De	fective:	Cracked pavement surrounding frame
INTERNAL	MANHO	LE OBSER	ATIONS				Nu	mber of Fr	ame Adjustr	ment Rings:		0	
ITEM		MATERIAL		CONE	DITION	Leaks (gpm)			DE	FECTS			
FRAME	CAST				1								
CORBEL	BRICK			2	2		Missing bri	ck					
STEPS	BRICK			1	1								
WALLS	BRICK			1	1								
FLOOR	BRICK			1	1								
INVERT	BRICK			1	1								
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ently:	F	eet I	Marks To:	Feet			E(LOW
LINE CON	DITIONS		D T.	Dine			Flow	Dahria	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\5-4-2020\DSC
Direction (In / Out)		nnect IH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20788		05' 03"	8	VCP		0.50	0.25	0				
Ουτ το	20807		05' 03"	8	VCP		0.50	0.25	0				

Flow A	ssess	ment Se	ervices	s, LLC	C. Struc	cture l	nspec	tion Lo	og	✓ Surfa	ace 🗌 I	nternal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20810		-20803 +20811
Street:		Nantasket A	venue an	d Bay St	reet					Sub-System:			+NE
Inspection	Date:	4/30/2020		Ins	pector:	MA	N	lap #:					
	-	FERISTICS /		-	CO ^v Prainage A	VER INFL .rea 1: p		ENTIAL		COVER	R HOLES QTY S	ZE (In)	+30055
Grade:			In.		20 X		0.9 :	= 7	2 (SQFT)	Pick Hole(s)			
Clear Ope	ning Dia		In.	D	rainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20818
Inside Fra			In.		х	2	(0.9 :	=	(SQFT)	Other Hole(s)			-20010
Frame Hei Cover Typ	•		ln.	In	flow Not lik	ely:	Area Su	bject To Fl	ooding:				331 Ft. to DS MH #: 20818
Cover Cond		ınd: 🖌 Bolt	s Missing:	c	orroded:	Crack	ed:	Missing:	Restrai	nt Missing: 🗌 Resti	raint Defect	ve:	Cracked pavement surrounding frame
INTERNAL	MANHC	DLE OBSER	VATIONS				Nu	umber of Fi	rame Adjust	ment Rings:	0		De aller an aller
ITEM		MATERIAL		CON	DITION	Leaks (gpm)			DE	FECTS			Calling Carlos and
FRAME	CAST				1								
CORBEL	BRICK				1								
STEPS	BRICK				1								
WALLS	BRICK				1								
FLOOR	BRICK				1								AND AND AND AND
INVERT	BRICK				1								
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ntly:	F	eet	Marks To:	Feet			C.C.O.W.
LINE CON	DITIONS	;	Rim To	Pipe			Flow	Debris	Line		Imag	ge Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		nnect /H#	Invert Depth	Dia. (In.)	Pipe Material	Joint Length	Depth	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	NE		04' 09"	8	VCP		0	0		Sealed pipe, Possib	le old drain		
IN FROM	20811		06' 11"	8	VCP		0	1.00	0				
IN FROM	30055		06' 11"	8	VCP		0.10	0	0				
Ουτ το	20803		07' 01"	8	VCP		0	0	0				
OUT TO	20818		07' 02"	8	VCP		0.10	0	0				

Flow A	ssess	sment Se	ervices	s, LLC	C. Stru	icture I	nspec	tion Lo	og	Surf	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2081	2	
Street:		31 Sagamor	e Terrace							Sub-System:			
Inspection	Date:	4/30/2020		Ins	pector:	MA	Ν	Map #:					+20804
	-	TERISTICS /		-		OVER INFI Area 1:				COVE	R HOLI		
Grade:			∟ In.	-	50 X		K 0.9		00 (SQFT)	Pick Hole(s)	QTY 2	SIZE (In) 1.5	
Clear Ope	ning Dia	a.: 22	In.	0	rainage	Area 2:		(if	applicable)				
Inside Fra		-	In.		х		X 0.9	=	(SQFT)	Other Hole(s)			-20817
Frame Hei Cover Typ	-		In.	Ir	flow Not I	ikely:	Area Su	ubject To Fl	ooding:				214 Ft. to DS MH #: 20817
Cover Typ		und: 🖌 Bolt	s Missing:		orroded:	Crac	ked:	Missing:	Restrai	nt Missing: 🗌 Res	raint De	fective:	Cracked pavement surrounding frame
INTERNAL	MANHO		VATIONS				N	umber of Fi	rame Adjust	ment Rings:		0	
ITEM		MATERIAL		CON	DITION	Leaks (gpm)			DE	FECTS			N. March
FRAME	CAST				1								
CORBEL	BRICK				2		Missing m	nortar					
STEPS	BRICK				1								
WALLS	BRICK				1								
FLOOR	BRICK				2		Missing m	nortar					
INVERT	BRICK				1								Well JETER
Surcharg	e From	Invert:	NONE E	/IDENT	Curr	ently:	F	Feet	Marks To:	Fee	t		Clean A
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect MH #	Invert Depth	Dia. (In.) Pipe Materi	Joint al Length	Depth	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20804		05' 01"	6	VCF	>	0.25	2.00	0				
Ουτ το	20817		05' 02"	6	VCF	>	0.25	0	0				

Flow As	ssess	ment Se	ervices	s, LLC.	Stru	cture I	nspect	ion L	og	Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20813		+North
Street:		Water Street	t							Sub-System:			
Inspection	Date:	4/30/2020		Inspe	ector:	MA	M	ap #:		-			Y Y
COVER C Buried: [Grade:	CNL:	TERISTICS /		Dra		OVER INFL Area 1: P 2 X			36 (SQFT)		R HOLES QTY S	SIZE (In) 1.5	-+East
Clear Ope		.: 21.5			ainage /		. 0.5 –		f applicable)				1
Inside Fra	•				X		X 0.9 =		(SQFT)				-20811
Frame Hei	0		In.	Infl	ow Not li	kely:	Area Sub	ject To F	looding:				35 Ft. to DS MH #: 20811
Cover Typ		er Cover											Needs to be cleaned
Cover Cond		ind: 🖌 Bolt			roded:	Crack		Aissing:		0	traint Defec		
	MANHC	DLE OBSER	ATIONS			Leaks	Nu	mber of F		ment Rings:)	The second second
ITEM		MATERIAL		COND	ITION	(gpm)			DI	EFECTS			
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mo	rtar					
STEPS	ALUM			1									
WALLS	PRECA	AST		3			Mineral dep	osits					
FLOOR	CNI			0			Surchargeo	1					E L Stand
INVERT	CNI			0			Surchargeo	1					
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Fee	t		Mediate Market
LINE CON Direction (In / Out)	Co	onnect //H #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Materia	Joint I Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)		Ima	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
IN FROM			07' 11"	8	PVC		1.00	3.00		Service			
IN FROM	North		07' 11"	8	VCP		0	7.00	0	Service			
OUT TO	20811		07' 11"	8	PVC	;	1.00	1.00	0				

Flow A	ssess	ment Se	ervices	s, LLC.	Stru	cture I	nspect	ion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20815		+20819
Street:		Porrazzo Ro	ad and M	errill Aven	he					Sub-System:			
Inspection	Date [.]	4/20/2020		Inche	ector:	MA	NA	ap #:					\checkmark Y
												_	+20799
COVER C Buried:		ERISTICS /				VER INFL Area 1: P	OW POTE	NTIAL		COVE	R HOLES	s SIZE (In)	
Grade:			L. In.		50 X		(0.9 =	27	70 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope		.: 22	In.	Dra	inage A	Area 2:		(if	applicable)	Lift Hole(s)			in the second
Inside Fra	-		In.		x		(0.9 =		(SQFT)	Other Hole(s)			-20804
Frame Hei	0		In.	Infle	w Not li	kely:	Area Sub	ject To Fl	ooding:]			Ft. to DS MH #: 20804
Cover Typ				<u>'</u>									Cracked and missing pavement surrounding frame
Cover Cond		nd: 🖌 Bolt			roded:	Crack		lissing:		•	raint Defe		
INTERNAL	MANHO	LE OBSER	ATIONS			Leaks	Nui	nber of F	rame Adjustr	nent Rings:		0	
ITEM		MATERIAL		COND	TION	(gpm)			DE	FECTS			
FRAME	CAST			1									
CORBEL	BRICK			4			Missing brid	k, Missing	mortar				
STEPS	BRICK			1									
-	BRICK			1									
WALLS													
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ntly:	Fe	et	Marks To:	Feet	t		(FLOIN)
LINE CON	DITIONS		Dias Ta	Pipe			Flow	Debris	Line		Im	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction		nnect	Rim To Invert	Dia. (In.)	Pipe	Joint	Depth	Depth	Cond				Line Comments
(In / Out) IN FROM		IH #	Depth 06' 11"	6	Materia VCP	l Length	(In.) 0.10	(In.)	(1-5) 0				Line Comments
	20100		00 11	0			0.10	U	Ŭ				
IN FROM	20819		06' 11"	6	VCP		0.10	0	0				
ουτ το	20804		06' 11"	6	VCP		0.10	0	0				
501 10				5			0.10	Ŭ					

Flow A	ssess	ment Se	ervice	s, LLC.	Stru	cture I	nspect	tion L	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20817		+20812
Street:	-	3 Sagamore	Terrace							Sub-System:			1 March
Inspection	Date:	4/30/2020		Insp	ector:	MA	м	ap #:		,			
		TERISTICS /	COMME	-				-		COVE	R HOLE	s	+West-
	-			-		Area 1: P				0012		SIZE (In)	
Grade:	AT		In.		50 X		K 0.9 =	: 9	90 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia			Dra	ainage /	Area 2:		(if	applicable) Lift Hole(s)			-20824
Inside Fra			In.		Х	2	x 0.9 =		(SQFT)	Other Hole(s)			-20824
Frame Hei Cover Typ	•		In.	Infl	ow Not li	kely:	Area Sul	oject To Fl	looding:				248 Ft. to DS MH #: 20824
Cover Typ		ind: 🖌 Bolt	s Missina [.]		roded:	Crack	ed 🗆 🗆 I	Missing:	Restrai	int Missing: 🦳 Rest	raint Defe	ective:	Cracked pavement surrounding frame
					rouou.			-		tment Rings:		0	
ITEM		MATERIAL				Leaks				EFECTS		-	
-						(gpm)							
FRAME	CAST			1									
CORBEL	BRICK			2			Missing mo	ortar					
STEPS	BRICK			3			Broken						
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
				-			-						TELOW
Surcharg			NONE E	VIDENT	Curre	ently:	F	eet	Marks To:	Feet			147 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Rim To	Pipe			Flow	Debris	Line		In	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		nnect /IH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	West		04' 03"	4	VCP		0	0	0	Service			
IN FROM	20812		05' 03"	6	VCP	,	0.25	0	0				
				Ŭ			0.20	Ŭ	0				
Ουτ το	20824		05' 04"	6	VCP		0.25	0	0				

Flow A	ssess	ment Se	ervice	s, LLC.	Stru	cture l	nspect	ion Lo	og	🖌 Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20818		+20810 +NW
Street:		295 Nantask	et Avenu	е						Sub-System:			
Inspection	Date:	4/30/2020		Inspe	ector:	MA	М	ap #:					
	CNL:	ERISTICS /	□ In.	Dra		VER INFL Area 1: P 2 X			4 (SQFT)		R HOLES QTY 	SIZE (In) 	
Clear Ope Inside Fra Frame Hei	me Dia.: ight:	26 5			ainage A X ow Not lik)	(0.9 = Area Sut		applicable) (SQFT) ooding:	Lift Hole(s) Other Hole(s)			-20824 334 Ft. to DS MH #: 20824
Cover Typ	l: Sou	u nd: 🖌 Bolts			roded:	Crack		Aissing:		nt Missing: 🗌 Rest ment Rings:	raint Defe	ctive:	
ITEM		MATERIAL	ATIONS			Leaks				EFECTS		<u> </u>	
-		MATERIAL				(gpm)			Di				H HALL OF THE STATES
FRAME	CAST			1									A ATTACK AND A MARKED
CORBEL	BRICK			1									
STEPS	BRICK			3			Broken						
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From I	nvert:	NONE E	VIDENT	Curre	ntly:	F	eet	Marks To:	Feet	:		ELOW.
LINE CON Direction (In / Out)	DITIONS Co		Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)	Line Cond (1-5)		Im	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
IN FROM	NW		02' 08"	4	STEEI	L	0	0	0	Sealed pipe, Possib	le old dra	in, Sound t	est negative to nearby catch basin
IN FROM	20810		07' 09"	8	VCP		0.25	0	0				
OUT TO	20824		07' 10"	8	VCP		0.25	0	0				

Flow A	ssess	sment Se	ervices	s, LLC.	Struc	cture l	nspecti	ion L	og	🖌 Sur	face [Inter	nal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No	2081	9		-20819.1
Street:		Porrazzo Ro	ad							Sub-System				
Inspection	Date:	4/30/2020		Inspe	ector:	MA	Ма	ap #:						Y Y
COVER C	HARAC	TERISTICS /	COMME	NTS	CO	VER INFL	OW POTE	NTIAL		COV	ER HOL	ES		
Buried:	CNL:	CNI:		Dra	ainage A	rea 1: P	avement				QTY	SIZE	(In)	
Grade:	BELOW	,	1 In.	2	20 X	2 X	0.9 =	3	36 (SQFT)	Pick Hole(s)	2	1	.5	N
Clear Ope	-			Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)				-20815
Inside Fra					х)	(0.9 =		(SQFT)	Other Hole(s)				-20013
Frame Hei	•		ln.	Infle	ow Not lik	ely:	Area Subj	ject To F	looding: 🗸					151 Ft. to DS MH #: 20815
Cover Typ			Missing		we de de			liaainau	Destroit	t Missing, 🗔 De	traint De	faativa		Cracked and missing pavement surrounding frame
		und: 🖌 Bolts			rroded:	Crack					straint De	efective:		
	MANHC	DLE OBSER	ATIONS			Leaks	NUN	nder of F	rame Adjusti			0		
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS				
FRAME	CAST			1										
CORBEL	BRICK			5			Missing brick	k and mis	ssing mortar					Calle al Castrin Inc. in the State
STEPS	BRICK			1										
WALLS	BRICK			1										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FLOOR	CNI			0			Covered in c	debris						A The mark of the
INVERT	CNI			0			Covered in c	debris						C. States And
Surcharg	e From	Invert:	NONE E	VIDENT	Currer	ntly:	Fe	et	Marks To:	Fe	et			TELOW
LINE CON												lmage F	Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			- J -		
(In / Out)	N	ИН #	Depth		Material		(In.)	(ln.)	(1-5)					Line Comments
Ουτ το	20815		04' 08"	6	VCP		0	1.00	0					
Ουτ το	20819.1		04' 10"	6	VCP		0	1.00	0					

Flow A	ssess	sment Se	ervices	s, LLC.	Stru	cture l	nspect	ion L	og	🖌 Sui	face [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No	.: 2081	9.1	
Street:		8 Porrazzo F	Road							Sub-System			+20819
Inspection	Date:	4/30/2020		Inspe	ector:	MA	Ма	ap #:					Y Y Y
COVER C	HARAC	TERISTICS /	СОММЕ	NTS	со	VER INFL	OW POTE	INTIAL		COV	ER HOL	ES	
Buried:	CNL:	: CNI:		Dra	ainage A	Area 1: P	avement				QTY	SIZE (In)	入 人
Grade:	AT		In.	Ę	50 X	2 X	0.9 =	g	00 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	-			Dra	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-20819.2
Inside Fra					Х	>	(0.9 =		(SQFT)	Other Hole(s)			-20013.2
Frame Hei	•		ln.	Infl	ow Not lil	kely:	Area Sub	ject To Fl	ooding:]			145 Ft. to DS MH #: 20819.2
Cover Typ			o Minoinau		we de du			linging	Destroit	et Missing: 🗔 Da	ofreint De		Manhole not on map
		und: 🖌 Bolt			rroded:	Crack		Aissing:			straint De	efective:	
	MANHC		VATIONS			Leaks	NU	mber of F	rame Adjust			0	
ITEM		MATERIAL		COND	ITION	(gpm)			DE	FECTS			
FRAME	CAST			1									A The second of a
CORBEL	BRICK			1									
STEPS	BRICK			1									
+													
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			2			Missing mo	rtar					
Surcharg	e From I	Invert:	NONE E	VIDENT	Curre	ntly:	Fe	et	Marks To:	Fe	et		E(thow a
LINE CON	DITIONS	5	-									Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			Ū	
(In / Out)		WH #	Depth		Materia	Length	(In.)	(In.)	(1-5)				Line Comments
IN FROM	20819		04' 08"	6	VCP		0.10	0	0				
Ουτ το	20819.2	2	04' 09"	6	PVC		0.10	0	0				

Flow A	ssess	sment Se	ervices	, LLC.	. Struc	ture Ir	nspecti	on Lo	bg	🖌 Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	2081	9.2	
Street:		3 Porrazzo R	Road							Sub-System:			
Inspection	Date:	4/30/2020		Inspe	ector: N	ſΑ	Maj	p #:					+20819.1
COVER C	HARAC	TERISTICS /	COMMEN	ITS	cov	ER INFL		NTIAL		COVE	R HOLI	ES	
Buried:	CNL	: CNI:		Dra	ainage Are	ea 1: Pa	avement				QTY	SIZE (In)	
Grade:	AT		ln.	-	75 X	2 X	0.9 =	13	5 (SQFT)	Pick Hole(s)	2	1.5	\sim
Clear Ope	-			Dra	ainage Are	ea 2:		(if	applicable)	Lift Hole(s)			-20828
Inside Fra					Х	х	0.9 =		(SQFT)	Other Hole(s)			-20020
Frame Hei	-		In.	Infl	ow Not like	ly:	Area Subj	ect To Flo	ooding:				75 Ft. to DS MH #: 20828
Cover Typ		und: 🖌 Bolts	Missing		rroded:	Crock	di 🗆 Mi	ssing:	- Bootroin	t Missing: 🗌 Rest	raint Da	fective:	Cracked pavement surrounding frame, Manhole not on map
						Cracke		- 1		-	raint De		
	MANHC	DLE OBSER	ATIONS			Leaks	NUM	ider of Fr	ame Adjustn	hent Rings:		0	TT/ And AND
ITEM		MATERIAL		COND		(gpm)			DE	FECTS			1/ /0
FRAME	CAST			1									19 19
CORBEL	BRICK			2	2	1	Missing mort	ar					
STEPS	BRICK			1									
+													
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	/IDENT	Current	ily:	Fee	et I	Marks To:	Feet			MORE
LINE CON	DITIONS	3					_		Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			-	
(In / Out)	-	MH #	Depth		Material	Length	(ln.)	(ln.)	(1-5)				Line Comments
IN FROM	20819.1		04' 02"	6	VCP		0.10	0	0				
Ουτ το	20828		04' 03"	6	VCP		0.10	0	0				

Flow A	ssess	sment Se	ervices	s, LLC	. Struc	ture Ir	nspect	ion Lo	og	Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20822		+20798
Street:		Eastern Ave	nue and H	Hillside Ro	bad					Sub-System:			
Inspection	Date:	4/30/2020		Insp	ector:	MA	Ma	ap #:					+NW Y
		TERISTICS /				/ER INFL		INTIAL		COVER			
Buried: Grade:			∟ In.		rainage A 200 X		avement 0.9 =	36	0 (SQFT)	Pick Hole(s)	QTY 2	SIZE (In) 1.5	
Clear Ope		ı.: 22		Di	ainage A		0.0		applicable)	Lift Hole(s)			
Inside Fra	-		In.		X		0.9 =	`	(SQFT)	Other Hole(s)			-20825
Frame Hei	-	26	In.	Inf	low Not like	ely:	Area Sub	ject To Fl	ooding:				233 Ft. to DS MH #: 20825
Cover Typ													Cracked and missing pavement surrounding frame
Cover Cond		und: 🖌 Bolt			orroded:	Cracke		Aissing:		•	raint Def	ective:	
	MANHC	DLE OBSER	VATIONS			Leaks	NU	mber of Fi	rame Adjustn			0	MR L
ITEM		MATERIAL		CONI	DITION	(gpm)			DE	FECTS			
FRAME	CAST				1								
CORBEL	BRICK				4	1	Missing brid	k and mis	sing mortar				THE ALL AND
STEPS	BRICK				1								
WALLS	BRICK				1								
FLOOR	BRICK				1								
INVERT	BRICK				1								
Surcharg	e From I	Invert:	NONE E	VIDENT	Currer	ntly:	Fe	et	Marks To:	Feet			
LINE CON	DITIONS	\$		D:			51.	Del :	Line		Ir	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect MH #	Rim To Invert Depth	Pipe Dia. (In.)	Pipe Material	Joint Length	Flow Depth (In.)	Debris Depth (In.)	Cond (1-5)				Line Comments
IN FROM	NW		.04' 03"	6	VCP		0	0	0 S	ervice			
IN FROM	20798		06' 01"	6	VCP		0.10	0	0				
OUT TO	20825		06' 03"	6	VCP		0.10	0	0				

Flow A	ssess	ment Se	ervices	s, LLC	. Struc	cture li	nspect	ion L	og	Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	20824		+20818 +20817
Street:		Nantasket Av	venue and	d Sagamo	ore Terrac	e				Sub-System:			
Inspection	Date:	4/30/2020		Insp	ector:	MA	Ma	ap #:					Y Y
COVER C	HARACT	ERISTICS /	СОММЕ	NTS	CO	VER INFL	OW POTE	-		COVE	R HOLE	3	
Buried:	CNL:	CNI:		Dr	ainage A	rea 1: P					QTY	SIZE (In)	入 人
Grade:	AT		In.		10 X	2 X	0.9 =	1	18 (SQFT)	Pick Hole(s)			X
Clear Ope	-			Dr	ainage A	rea 2:		(if	applicable)	Lift Hole(s)			-30057
Inside Fra					Х	>	(0.9 =		(SQFT)	Other Hole(s)			-30037
Frame Hei	-		In.	Inf	low Not lik	ely:	Area Sub	ject To Fl	looding:				220 Ft. to DS MH #: 30057
Cover Typ		a nd: 🖌 Bolts	s Missina:		orroded:	Crack	ed: 🗆 N	lissing:	Restrain	t Missing: 🗌 Resti	raint Defe	ctive:	Cracked pavement surrounding frame
					noueu.				rame Adjustn			0	Mar 1 de l'été de la company
			ATIONS			Leaks							A HUMPESSAN
ITEM		MATERIAL		CONE	DITION	(gpm)			DE	FECTS			PT MARCES AND
FRAME	CAST				1								
CORBEL	BRICK				1								
STEPS	BRICK				2		Broken						
WALLS	BRICK				3	0.1	Weeping in	filtration					
+					-	-	Missing mo						
FLOOR	BRICK				2		INISSING MO	Ildi					
INVERT	BRICK				1								
Surcharg	e From I	nvert:	NONE E	VIDENT	Curren	ntly:	Fe	et	Marks To:	Feet			
LINE CON	DITIONS	;	D' T.	Dine			Flow	Debris	Line		In	age Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction		nnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Depth	Depth	Cond				Line Comments
(In / Out) IN FROM		IH #	Depth 08' 10"	8	Material VCP	Length	(In.) 0.50	(In.) 0	(1-5) 0				
				•					-				
IN FROM	20818		09' 00"	8	VCP		0.50	0.25	0				
ουτ το	30057		09' 00"	8	ACP		1.00	0	0				
	00001		00 00	0			1.00	Ŭ	Ĭ				

Flow A	ssess	ment Se	ervices	s, LLC	. Stru	icture I	nspect	tion Lo	og	✓ Surf.	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2082	8	+20819.2
Street:		Porrazzo Ro	ad and Na	antasket	Avenue					Sub-System:			
Inspection	Date:	4/30/2020		Insp	pector:	MA	M	ар #:					Y Y
	-	FERISTICS /		-		OVER INFL Area 1: p		ENTIAL		COVE	R HOLI QTY		
Grade:	AT		In.		100 X	2 X	K 0.9 =	= 18	0 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope Inside Fra	-	24	In.	Di	rainage / X		K 0.9 =		applicable) (SQFT)	Lift Hole(s) Other Hole(s)			-20829
Frame Hei	-		In.	Inf	flow Not li	ikely:	Area Sub	bject To Flo	ooding:]			176 Ft. to DS MH #: 20829
Cover Typ		ıd ınd: 🖌 Bolt	e Missina:		orroded:		ed:	Missing: [Postrain	t Missing: 🦳 Res	traint De	fective:	Cracked pavement surrounding frame, Needs to be cleaned
					on oueu.			- (ame Adjustn	-		0	
ITEM		MATERIAL			DITION	Leaks (gpm)				FECTS		•	- There are
FRAME	CAST				1								
CORBEL	BRICK				2		Missing mo	ortar					
STEPS	BRICK				1								
WALLS	BRICK				1								
FLOOR	BRICK				1								
INVERT	BRICK				1								
Surcharg	e From I	nvert:			Curre	ently:	3 Fe	eet N	Marks To:	Fee	t		E(32)
LINE CON	DITIONS	;	Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	N	onnect /IH #	Invert Depth	Dia. (In.)	Materia		Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20819.2		04' 05"	6	VCP	>	0.10	5.00	0				
Ουτ το	20829		04' 06"	6	VCP	>	0.10	0	0				

Flow As	ssess	ment Se	ervices	s, LLC.	Stru	cture l	nspect	ion L	og	✓ Surf	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	20829)	+30057 +20828
Street:		257 Nantask	ket Avenu	е						Sub-System:			
Inspection	Date:	4/20/2020		Incore		MA		#-					
					ector:			ap #:				_	
						VER INFL Area 1: P		ENTIAL		COVE			
Buried: Grade:		CNI:	L In.		8 X		0.9 =	: 1	14 (SQFT)	Pick Hole(s)	QTY 	SIZE (In)	
Clear Oper		· 24	In.		ainage A		0.0		applicable)	Lift Hole(s)			
Inside Fra	-		In.		X		(0.9 =		(SQFT)	Other Hole(s)			-20831
Frame Hei	ght:	6	In.	Infl	ow Not li				looding:				65 Ft. to DS MH #: 20831
Cover Typ	e: Sol	id		<u> </u>				-					Cracked pavement surrounding frame
Cover Cond	: Sou	ınd: 🖌 Bolt	s Missing:	- Coi	roded:	Crack	ed: 🗌 I	lissing:	Restrair	nt Missing: 📃 Res	traint Def	ective:	Cracked pavement surrounding name
INTERNAL	MANHC	DLE OBSER	VATIONS	;	-		Nu	mber of F	rame Adjustr	nent Rings:		0	The part of the second se
ITEM		MATERIAL		COND		Leaks (gpm)			DE	FECTS			H III Contin
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			3			Broken						
WALLS	BRICK			1									
FLOOR	BRICK			2			Missing mo	rtar					
INVERT	BRICK			1									
Surcharg	e From I	Invert:	NONE E	VIDENT	Curre	ently:	F	eet	Marks To:	Fee	et		TELESTA CONTRACTOR
LINE CON	DITIONS	;					_				Ir	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction	Co	onnect	Rim To Invert	Pipe Dia. (In.)	Pipe	Joint	Flow Depth	Debris Depth	Line Cond			-	
(In / Out)		/H #	Depth	0	Materia	-		(In.)	(1-5)				Line Comments
IN FROM	20828		08' 03"	8	VCP		0.25	0	0				
IN FROM	30057		08' 04"	8	ACP		1.25	0	0				
OUT TO	20831		08' 05"	8	ACP		1.50	0	0				

Flow A	ssess	sment Se	ervices	, LLC. S	Struct	ture lı	nspect	ion L	og	✓ Surf	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.	2083	1	1
Street:		Nantasket Av	venue and	George Wa	ashingto	n Blvd.				Sub-System:			
Inspection	Date:	4/30/2020		Inspect	or: N	ЛА	Ma	ap #:					+20829
	-	TERISTICS /		-			OW POTE	INTIAL		COVE	R HOL	-	
-		CNI:	□ In.	Drain 20	-		avement 0.9 =		36 (SQFT)		QTY	SIZE (In) 1.5	
Grade: Clear Ope		. : 21.5			Anage Are		0.9 =		f applicable)	.,	2	1.5	\sim
Inside Fra	-			Dian	X		(0.9 =		(SQFT)	Other Hole(s)			-20830
Frame Hei	-		In.	Inflow	Not like	ly:	Area Sub	ject To F	looding:				43 Ft. to DS MH #: 20830
Cover Typ		er Cover							_ _				Cracked pavement surrounding frame
Cover Cond		Ind: 🖌 Bolts		Corro	ded:	Crack		Aissing:	Frame Adjust	nt Missing: 🖌 Res	traint De	efective:	
			ATIONS			Leaks	Nu						
ITEM		MATERIAL		CONDITI	ON	(gpm)			DE	FECTS			1 F Mar Consecution 1
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			4			Missing brid	cks					
FLOOR	BRICK			2			Missing mo	rtar					
INVERT	BRICK			2			Missing mo	rtar					
Surcharg	e From	Invert:	NONE EV	/IDENT	Current	tly:	Fe	eet	Marks To:	Fee	t		THOMA .
LINE CON	DITIONS						F 1.	Dat i			1	Image Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect MH #	Rim To Invert Depth		Pipe laterial	Joint Length	Flow Depth (In.)	Debris Depth (In.)					Line Comments
IN FROM	20829		08' 03"	8	VCP		1.50	0	0				
OUT TO	20830		08' 03"	8	VCP		1.50	0	0				

Flow As	ssess	sment Se	ervice	s, LLC.	Stru	cture I	nspect	ion Lo	og	✓ Surfa	ice 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	30052		+20764
Street:		105 Bay Stre	eet							Sub-System:	-		
Inspection	Date:	4/30/2020		Inspe	ector:	MA	M	ap #:					+NW Y
		TERISTICS /	СОММЕ					-		COVER	R HOLE	S	
Buried:	-			-		Area 1: 🛛					QTY	SIZE (In)	
Grade:	AT		ln.		6 X	2 X	C 0.9 =	: 1	1 (SQFT)	Pick Hole(s)	2	1.5	
Clear Ope	ning Dia	n.: 22	In.	Dra	ainage /	Area 2:		(if	applicable) Lift Hole(s)			20755
Inside Fra					Х	2	K 0.9 =		(SQFT)	Other Hole(s)			-20755
Frame Hei	-		ln.	Infl	ow Not li	kely:	Area Sub	ject To Fl	ooding:				100 Ft. to DS MH #: 20755
Cover Typ Cover Cond		ınd: 🔽 Bolt	e Missina:		roded:		red: 🗆 🛛	Aissing:	- Restrai	nt Missing: 🦳 Restr	raint Def	ective:	Cracked and missing pavement surrounding frame
					roueu.			-		ment Rings:		0	
		MATERIAL	VATIONS			Leaks						•	
ITEM		MATERIAL		COND	IIION	(gpm)			D	EFECTS			1111
FRAME	CAST			2			Chipped						
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
-	-			-									
	BRICK			1			_						A Hall
Surcharg			NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Feet			The Manning and Annual and
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line		In	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect //H #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM			05' 07"	4	VCP		0	0		Service			
IN FROM	20764		06' 02"	6	VCP		0.10	0	0				
IN FROM	20704		00 02	U	VCP		0.10	U	0				
OUT TO	20755		06' 04"	6	VCP		0.10	0	0				

Flow A	ssess	sment Se	ervices	, LLC. S	Struct	ure li	nspectio	on Lo	og	🖌 Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	3005	5	+20801
Street:		Bay Street (p	parking lot	near Nanta	sket Ave	nue)				Sub-System:			
Inspection	Date:	4/30/2020		Inspec	tor: N	A	Мар	#:					YX
		TERISTICS /					OW POTEN	TIAL		COVE	r Holi		
-		CNI:			-		avement				QTY	- ()	
Grade:			In.	10			0.9 =		8 (SQFT)	Pick Hole(s)	3	1.5	\sim
Clear Ope Inside Fra	-			Drain	nage Are			(if	applicable)				-20810
Frame He			in. In.	In 6	X	-	(0.9 =		(SQFT)	Other Hole(s)			
Cover Typ	•	nted		Inflow	v Not likel	y:	Area Subje		ooding:				167 Ft. to DS MH #: 20810
Cover Conc		und: 🖌 Bolt	s Missing:	Corro	oded:	Crack	ed: 🗌 Mis	sing:	Restrair	nt Missing: 🗌 Rest	raint De	fective:	
INTERNAL	MANHO	DLE OBSER	ATIONS				Numb	per of Fr	rame Adjustr	ment Rings:		0	
ITEM		MATERIAL		CONDIT		.eaks gpm)			DE	FECTS			
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE EV	/IDENT	Current	y:	Fee	t I	Marks To:	Feet	:		- TENN
LINE CON	DITIONS	5	Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	, i	onnect MH #		Dia. (In.)	Pipe Material	Joint Length		Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20801		05' 05"	8	VCP		0.25	0	0				
OUT TO	20810		05' 05"	8	VCP		0.25	0	0				

Flow A	ssess	sment Se	ervices	s, LLC	. Stru	cture Ir	nspect	ion L	og	✓ Surfa	ace [Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA								Manhole No.:	3005	7	+20824
Street:		269 Nantask	ket Avenue	е						Sub-System:			1
Inspection	Date:	4/30/2020		Insp	ector:	MA	Ma	ap #:					
	-	TERISTICS /		-				ENTIAL		COVE		-	
Buried: Grade:			L In.		ainage A 6 X	Area1: Pa 2 X	avement 0.9 =	: 1	1 (SQFT)	Pick Hole(s)	QTY 	SIZE (In)	
Clear Ope		n. : 24			ainage A		0.0 -		applicable)	Lift Hole(s)			
Inside Fra	-		In.		X		0.9 =		(SQFT)	Other Hole(s)			-20829
Frame Hei Cover Typ	-		In.	Infl	ow Not li		Area Sub		• •				342 Ft. to DS MH #: 20829
Cover Cond		und: 🖌 Bolt	s Missing:	Co	rroded:	Cracke	ed: 🗌 N	Missing:	Restrair	nt Missing: 🗌 Rest	raint De	fective:	
INTERNAL	MANHO		VATIONS				Nui	mber of F	rame Adjustr	nent Rings:		0	1 MARTIN THE
ITEM		MATERIAL		COND	ITION	Leaks (gpm)			DE	FECTS			1 AUTO CONTRACTOR
FRAME	CAST			1									
CORBEL	BRICK			1									
STEPS	BRICK			1									
WALLS	BRICK			1									
FLOOR	BRICK			1									
INVERT	BRICK			1									
Surcharg	e From	Invert:	NONE E	VIDENT	Curre	ently:	Fe	eet	Marks To:	Fee	:		
LINE CON	DITIONS	6	Rim To	Pipe			Flow	Debris	Line		I	mage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)	ſ	onnect MH #	Invert Depth	Dia. (In.)	Pipe Materia	Joint I Length	Depth (In.)	Depth (In.)	Cond (1-5)				Line Comments
IN FROM	20824		09' 03"	8	ACP		1.00	0.25	0				
ουτ το	20829		09' 04"	8	ACP		1.00	0	0				

Flow As	ssessment Ser	vices, LLC. Str	ucture I	nspection	_og	Surfa	ce 🗌 Inte	ernal	LINE ORIENTATION
Municipalit	y: Hull, MA					Manhole No.:	30058		
Street:	Roosevelt Ave	enue				Sub-System:	4		
Inspection	Date: 4/30/2020	Inspector:	MA	Map #:					
COVER C	HARACTERISTICS / C	OMMENTS	OVER INFL	OW POTENTIAL		COVER	RHOLES		
Buried:	CNL: 🖌 CNI: [Drainage	e Area 1: 🛛	Pavement			QTY SIZE	E (In)	
			()	(0.9 =	(SQFT)	Pick Hole(s)	2	2	
Clear Oper	ning Dia.: Ir	n. Drainage	e Area 2: S	Soil	(if applicable)	Lift Hole(s)			
Inside Fran	me Dia.: 0 Ir	.	x	X 0.3 =	(SQFT)	Other Hole(s)			
Frame Heig Cover Type	-	1. Inflow Not	likely:	Area Subject To	Flooding:				Ft. to DS MH #:
Cover Type		Missing: Corroded	Crack	ked: 🗌 Missing:	Restrain	t Missing: 🗌 Resti	raint Defective	:	Cannot locate
INTERNAL	MANHOLE OBSERVA	TIONS	-	Number of	Frame Adjustn	nent Rings:			
ITEM	MATERIAL	CONDITION	Leaks (gpm)		DE	FECTS			
FRAME		0							
CORBEL		0							
STEPS		0							
WALLS		0							
FLOOR		0							
INVERT		0							
Surcharge	e From Invert: N	IONE EVIDENT Cur	rently:	Feet	Marks To:	Feet			
LINE CONL		Rim To Pipe		Flow Debri			Image	Path:	
Direction (In / Out)		Invert Dia. (In.) Pip Depth Mate		Depth Deptl (In.) (In.)					Line Comments

Flow A	ssess	sment Se	ervices	, LLC. Str	ucture l	nspectior	n Log	✓ Surfa	ace 🗌	Internal	LINE ORIENTATION
Municipali	ty:	Hull, MA						Manhole No.:	30063		+North
Street:		10 Morland A	Avenue					Sub-System:			1 m
Inspection	Date:	4/30/2020		Inspector:	MA	Map #	:	-			YX
COVER C	HARAC	TERISTICS /	COMMEN	TS C	OVER INFL	OW POTENTI	AL	COVE	R HOLE	s	
Buried:	CNL	CNI:		Drainage	Area 1: P				QTY	SIZE (In)	
Grade:			In.	6)		0.9 =	11 (SQFT) Pick Hole(s)	2	1.5	NY
Clear Ope	-			Drainage			(if applicable	e) Lift Hole(s)			-20778
Inside Fra		-	In. In.			(0.9 =	(SQFT) Other Hole(s)			20110
Frame Hei Cover Typ	-	o er Cover	in.	Inflow Not	likely:	Area Subject	To Flooding:				182 Ft. to DS MH #: 20778
Cover Typ			Missing	Corroded:	Crack	ed: 🗌 Missiı	na: 🗌 Poetra	int Missing: 🕡 Rest	traint Dof	octivo:	
		und: 🖌 Bolts		Corroded.			of Frame Adjus				
	MANH	DLE OBSERV	ATIONS		Leaks	Number				0	- Company and
ITEM		MATERIAL		CONDITION	(gpm)		D	EFECTS			10 APP 11 A
FRAME	CAST			2		Chipped					
CORBEL	BRICK			1							
STEPS	NONE			0							
WALLS	PREC	AST		1							
FLOOR	BRICK			1							
INVERT	PVC			4	0.1	Running infiltration	วท				
Surcharg	e From	Invert:	NONE EV	IDENT Cur	rently:	Feet	Marks To	: Feet	t		
LINE CON	DITIONS	6							In	nage Path:	C:\Users\FAS2020A\Desktop\Hull MH photos\4-30-2020\DS
Direction (In / Out)		onnect //H #	Rim To Invert I Depth	Pipe Dia. (In.) Pipe Mater		Depth De	bris Line pth Cond n.) (1-5)			5	Line Comments
IN FROM	North		02' 07"	6 PV	C	0	0 0	Start of line			
OUT TO	20778		02' 07"	6 PV	C	0.10	0 0				