J.T.V., Inc. / Manatee County Public Works - Project Management Division. Sanitary Sewer Manhole Inspections Blanket# P0802958, RO#B1201795 Colony Cove Phase 1 & 2, 3/28/12 & 5/15/12 DVS 1 of 1, Setups 1 - 36,

Manhole Inspections: Setup 1 - 36 DVS PACP Manhole Inspections Setup 1 - 36 DVS PACP Manhole Reports

		Manhole Survey 20	nhole Survey 2012								
Setup #											
	Old Manhole Number	Old Manhole Number	Northing	Easting							
1	11066	(1-7)	1162459.56	496765.19							
2	10419	(1-6)	1162831.95	496725.11							
3	10421	(1-6-2)	1162927.90	496560.81							
4	11064	(1-6-1)	1162727.00	496573.75							
5	104198	(1-5)	1162916.84	496781.14							
6	11845	(1-3-10)	1163144.63	496873.16							
7	9028	(1-3-B)	1163243.03	497017.13							
8	11847		1163237.57	497087.67							
9	9031	(1-2-A)	1163228.94	497150.50							
10	9040	(1-3-1C)	1163493.16	496875.42							
11	9042	(1-3-9)	1163254.72	496654.91							
12	9034	(1-3-8)	1163412.36	496564.76							
13	9035	(1-3-1)	1163473.09	496734.54							
14	9036	(1-3-4)	1163503.49	496634.92							
15	9037	(1-3-5A)	1163598.73	496557.31							
16	9033	(1-3-5)	1163763.77	496503.04							
17	8865	(1-1-13)	1164361.54	497875.85							
18	8863	(1-11-2)	1164293.90	498102.34							
19	8864	(1-11-1)	1164210.45	497959.52							
20	9668	(1-1-10)	1164063.27	497703.52							
21	9667	(1-1-8)	1164007.48	497529.00							
22	9027	(1-1-7)	1163860.85	497614.00							
23	9022	(1-1-38)	1163928.01	497825.36							
24	9024	(1-1-19)	1163813.59	497928.47							
25	9026	(1-1-16)	1163687.30	497764.87							
26	9025	(1-1-18)	1163718.32	497851.72							
27	96062	(1-1-24)	1163562.97	498106.14							
28	11125B	· · ·	1163586.19	498202.12							
29	11124	(1-1-26)	1163667.07	498308.61							
30	96074	(1-1-25)	1163861.52	498331.69							
31	9018	(1-1-6)	1163683.62	497295.91							
32	9017	(1-1-4)	1163532.57	497397.47							
33	9082	(1-1-1)	1163452.33	497461.09							
34	9016	(1-1-2)	1163388.75	497510.81							
35	22875	(1-1)	1163387.77	497377.53							
36	9029	(1-1)	1163293.12	497239.82							

Sheet No. 2 Surveyor's name T	IM (	Certificate Number U-3	07-1521	Date 2012/05	5/16
System Owner COLONY COVE	Survey	Customer COLONY CO	DVE	Ti	me 10:25
Drainage Area		Location (No. & Name	e) DENMARK DF	ł	
P.O. No. Loc	ality/City Name ELLEN	NTON			
Further Location Details 10419.1 199 DB	ENMARK DR		Ins	pection Level Lev	el 2
Outgoing Rim to Invert 3.8 ft.	Outgoing Gr	ade to Invert 3.2 ft.		Rim to Grade 0	.5 ft.
Use of Sewer Sanitary Y	'ear Laid Yea	r Rehabilitated	Tape/Media Nu	<b>Imber</b> 10419.1	
Purpose Routine assessment		Sewer Ca	ategory		
Pre-Cleaning Jetting Date	e Cleaned 2012/05/16	Weather Damp			
Location Code Yard	Poter	ntial for Runoff None	Evider	ce of Surcharge	No
Access Point Type Manhole	Соог	rdinate System US STA PLANE <sup>-</sup> 1983)	NTE 1983 (NAD		
Northing1162831.95Easting496Inspection StatusRemote InspectionAdditional Information	725.11 Elevation		Accuracy o	f GPS	
Manhole Surface Types					
Concrete Pavement	rete Collar 🖌 🖌	Asphalt 🗌 Gras	ss/Dirt 🗌	Gravel	Other 🗌
Cover Shape: Circular Cover Size: 22.5 in. Cover Material: Cast Vent Hole Diameter:	Cover Size Width:	Cover Bea	aring Surface Dia me Fit: Good	ameter: 23.0 in. ameter Width:	
Cover Type Solid Vented/Slots Gasketed Hatch Single Hatch Double	<ul> <li>Bolted</li> <li>Locking</li> <li>Inner Cover</li> <li>Lamphole</li> </ul>		d 🗌 N ied 🗌 C	lissing corroded/Pitted colts Missing	
Cover Insert Cover Insert Type: No	DNE	Sound Poorly	ert Condition d y Fitting ed/Torn/Holes	Leaking Corroded	

	Survey Date 2012/05/16 ame) DENMARK DR					
Locality/City Nam		P.O. No. Inspection Level Level 2				
		•				
		Inspection Status Remote Inspection				
Adjustment Ring	MH Adjustment Ring Type: None	MH Adjustment Ring				
_		Sound Corroded/Pitted/Worn				
n	IH Adjustment Ring Material:	Cracked Leaking				
	MH Adjustment Ring Height:	Broken Poor Installation				
Frame	Frame Material: Cast Iron	Frame Offset Distance: 0 in.				
	Frame Bearing Surface Width: 0.7 in.	Frame Depth:				
	Frame Bearing Surface Depth: 2.0 in.	Frame Seal Inflow: None				
	Frame Clear Opening Diameter: 20.5 in.					
	Frame Condition	Frame Seal Condition				
	Sound Missing	Sound Loose/Not Attached				
	Cracked Corroded/Pitted/Worn	Cracked Offset				
	Broken Coated					
Chimney	Chimney Material 1: Brick	Interior Chimney Coating/Liner: None - No Coa				
	Chimney Material 2:	Exterior Chimney Coating/Liner: None - No Coa				
	Chimney Clear Opening: 24.0 in.	Chimney I/I: None				
	Chimney Depth: 2.5 ft.	· · · · · · · · · · · · · · · · · · ·				
Cone	Cone Type: Conical centered	Cone Depth: 2.5 ft.				
	Exterior Cone Coating/Liner: None - No Coating	Cone Material: Brick				
	Interior Cone Coating/Liner: None - No Coating					
Wall	Wall Diameter 1: 36 in.	Wall Depth: 0.2 ft.				
	Wall Diameter 2:	Interior Wall Coating/Liner: None - No Coating				
	Wall Material: Brick	Exterior Wall Coating/Liner: None - No Coating				
Bench	Bench Present?: Yes	1 mar				
	Bench Material: Concrete					
	Bench Coating/Liner: None - No Coating					
	to obtaining					
Channel/Step	Channel	Step				
	Channel Material: Concrete	# Steps: 0				
	Channel Type: Formed					
	Channel Exposure: Fully Opened					
	Channel Installed Yes	Step Material:				

Sheet No. 2

#### Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Locality/City Name ELLENTON

Inspection Level Level 2

Inspection Status Remote Inspection

D:		<u></u>	200	tion	
Γ1	pe	Con	nec	ιοι	15

Num	Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	<b>Connects to Access Point ID</b>
1	6	3.9 ft.	Out	VCP	С	8 in.		S	S	GR	AMH 104198
2	11	3.9 ft.	In	VCP	С	8 in.		S	S	GR	AMH 11066
3	1	3.8 ft.	In	VCP	С	8 in.		S	S	GR	AMH 11064

Sheet No. 7 Surveyor's name TIM	Certificate Numb	er U-307-1521	Date 2012/05	/16
System Owner COLONY COVE	Survey Customer COLC	NY COVE	Tin	ne 12:42
Drainage Area	Location (No. 8	& Name) DENMARK D	)R	
P.O. No. Locality	City Name ELLENTON			
Further Location Details 9028.1 218 DENMA	RK DR	Ins	spection Level Leve	el 2
Outgoing Rim to Invert 5.6 ft.	Outgoing Grade to Invert 5.6	ft.	Rim to Grade 0.	0 ft.
Use of Sewer Sanitary Year L	aid Year Rehabilitated	Tape/Media N	Number 9028.1	
Purpose Routine assessment	Se	ewer Category		
Pre-Cleaning Jetting Date Cleaning	aned 2012/05/16 Weather Da	amp		
Location Code Yard	Potential for Runoff N	lone Evide	ence of Surcharge `	Yes
Access Point Type Manhole		JS STATE PLANE1983 (NAD 1983)		
Northing 1163243.03 Easting 497017.1	3 Elevation	Accuracy	of GPS	
Inspection Status Remote Inspection				
Additional Information				
Manhole Surface Types				
Concrete Pavement	Collar 🗌 Asphalt 🗍	Grass/Dirt 🔽	Gravel	Other
Cover Material: Cast Iron Vent Hole Diameter: > 1/2 Cover Type	Cover Size Width: Cov Cov # of 1	Cracked		
Cover Insert Cover Insert Type: None		ver Insert Condition Sound Poorly Fitting Cracked/Torn/Holes	Leaking Corroded Insert Fell	

)

Sheet No. 7	Survey Date 2012/05/16	16 P.O. No. Inspection Level Level 2					
Location (No.	& Name) DENMARK DR						
	Name ELLENTON	Inspection Status Remote Inspection					
	10-20-4-18-00 · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
Adjustment R	MH Adjustment Ring Type: None	MH Adjustment Ring					
		Sound Corroded/Pitted/Worn					
	MH Adjustment Ring Material:	Cracked Leaking					
	MH Adjustment Ring Height:	Broken Poor Installation					
Fra	me Frame Material: Cast Iron	Frame Offset Distance: 0 in.					
	Frame Bearing Surface Width: 0.5 in.	Frame Depth:					
	Frame Bearing Surface Depth: 1.0 in.	Frame Seal Inflow: None					
	Frame Clear Opening Diameter: 25.0 in.						
	Frame Condition	Frame Seal Condition					
	Sound Missing	Sound Loose/Not Attached					
	Cracked Z Corroded/Pitted/Worn	Cracked Offset					
	Broken Coated	Missing					
	I						
Chimn	Chimney Material 1: Brick	Interior Chimney Coating/Liner: None - No Coatin					
	Chimney Material 2:	Exterior Chimney Coating/Liner: None - No Coating					
	Chimney Clear Opening: 26.0 in.	Chimney I/I: None					
	Chimney Depth: 0.2 ft.						
Co	ne Cone Type: Conical centered	Cone Depth: 3.0 ft.					
	Exterior Cone Coating/Liner: None - No Coating	Cone Material: Brick					
	Interior Cone Coating/Liner: None - No Coating						
W	all Wall Diameter 1: 48 in.	Wall Depth: 1.5 ft.					
	Wall Diameter 2:	Interior Wall Coating/Liner: None - No Coating					
	Wall Material: Brick	Exterior Wall Coating/Liner: None - No Coating					
Ben	ch Bench Present?: Yes						
	Bench Material: Concrete						
	Bench Coating/Liner: None - No Coating						
Channel/St	ep Channel	Step					
	Channel Material: Concrete	# Steps: 0					
	Channel Type: Formed						
	Channel Exposure: Fully Opened						
	Channel Installed Yes	Step Material:					

Sheet No. 7

## Location (No. & Name) DENMARK DR

Locality/City Name ELLENTON

Survey Date 2012/05/16

P.O. No. Inspection Level Level 2

Inspection Status Remote Inspection

Pipe Connections
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Num	Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.6 ft.	Out	VCP	С	8 in.		S	S	GR	AMH 11847
2	11	5.5 ft.	In	VCP	С	8 in.		S	S	GR	AMH 11845
3	2	5.6 ft.	in	VCP	С	8 in.		D	S	GR	AMH 9040

Sheet No. 11 Surveyor's name TIM	Certificate N	lumber U-307-1521	Date 2012/0	5/16
System Owner COLONY COVE	Survey Customer	COLONY COVE	Ti	i <b>me</b> 14:59
Drainage Area	Location	(No. & Name) EMDEN	WAY	
P.O. No. Locality/C	ity Name ELLENTON			
Further Location Details 9042.1 210 EMDEN W	VAY		Inspection Level Lev	rel 2
Outgoing Rim to Invert 4.7 ft.	Outgoing Grade to Inver	rt 4.7 ft.	Rim to Grade 0	).0 ft.
Use of Sewer Sanitary Year Lai	id Year Rehabilita	ted Tape/Med	lia Number 9042.1	
Purpose Routine assessment		Sewer Category		
Pre-Cleaning Jetting Date Clean	ed 2012/05/16 Weath	er Damp		
Location Code Yard	Potential for Run	noff None E	vidence of Surcharge	No
Access Point Type Manhole	Coordinate Syst	tem US STATE PLANE1983 (NAD 1983)		
Northing 1163254.72 Easting 496654.91	Elevation	Accura	acy of GPS	
Inspection Status Remote Inspection				
Additional Information				
Manhole Surface Types				
Concrete Pavement Concrete Co	ilar 📄 Asphalt 🗌	Grass/Dirt 🖌	Gravel	Other 🗌
Cover Cover Shape: Circular		Cover Bearing Surfa	ce Diameter: 24.0 in.	
Cover Size: 23.5 in. Co	ver Size Width:	Cover Bearing Surfa	ce Diameter Width:	
Cover Material: Cast Iron		Cover Frame Fit: Go	od	
Vent Hole Diameter: > 1/2		# of Vent Holes: 1		
Cover Type		Cover Condition		
	olted	Sound	Missing	
Vented/Slots	ocking		Corroded/Pitted	
	ner Cover	Broken	Bolts Missing	
Hatch Single	Imphole	Restraint Missin		
Hatch Double	•	Restraint Defect	•	
Cover Insert		Cover Incert Conditi		
		Cover Insert Conditio		
Cover Insert Type: None		Sound	Leaking	
		Poorly Fitting		
		Cracked/Torn/Ho	oles 🔲 Insert Fell	

	MACP Surve	ey Report 9042	Report Date 2012/06/15			
	Sheet No. 11	Survey Date 2012/05/16	P.O. No.			
	Location (No. & N	lame) EMDEN WAY	Inspection Level Level 2			
	Locality/City Nam	e ELLENTON	Inspection Status Remote Inspection			
1						
	Adjustment Ring	MH Adjustment Ring Type: None	MH Adjustment Ring			
	I	NH Adjustment Ring Material:	Sound Corroded/Pitted/Worn			
		MH Adjustment Ring Height:	Broken Poor Installation			
	Frame	Frame Material: Cast Iron	Frame Offset Distance: 5 in.			
		Frame Bearing Surface Width: 0.5 in.	Frame Depth:			
		Frame Bearing Surface Depth: 1.3 in.	Frame Seal Inflow: None			
		Frame Clear Opening Diameter: 22.0 in.				
		Frame Condition	Frame Seal Condition			
		Sound Missing	Sound Loose/Not Attached			
		Cracked Corroded/Pitted/Worn	Cracked Offset			
		Broken Coated	Missing			
	Chimney	Chimney Material 1: Brick	Interior Chimney Coating/Liner: None - No Coating			
		Chimney Material 2:	Exterior Chimney Coating/Liner: None - No Coating			
		Chimney Clear Opening: 24.0 in.	Chimney I/I: None			
		Chimney Depth: 0.2 ft.				
	Cone	Cone Type: Conical centered	Cone Depth: 2.8 ft.			
		Exterior Cone Coating/Liner: None - No Coating	Cone Material: Brick			
		Interior Cone Coating/Liner: None - No Coating				
	Wall	Wall Diameter 1: 47 in.	Wall Depth: 0.9 ft.			
		Wall Diameter 2:	Interior Wall Coating/Liner: None - No Coating			
		Wall Material: Brick	Exterior Wall Coating/Liner: None - No Coating			
	Bench	Bench Present?: Yes				
		Bench Material: Concrete				
		Bench Coating/Liner: None - No Coating				
		Denon Coaung/Liner. None - No Coaung				
	Channel/Step	Channel	Step			
		Channel Material: Concrete	# Steps: 0			
		Channel Type: Formed				
		Channel Exposure: Fully Opened				
		Channel Installed Yes	Step Material:			

Sheet No. 11

#### Survey Date 2012/05/16

P.O. No.

# Location (No. & Name) EMDEN WAY

Locality/City Name ELLENTON

Inspection Level Level 2

Inspection Status Remote Inspection

## **Pipe Connections**

Num	Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	<b>Connects to Access Point ID</b>
1	6	4.7 ft.	Out	VCP	С	8 in.		S	S	GR	AMH 9034
2	10	3.0 ft.	In	VCP	С	4 in.		S	S	GR	АМОН
3	12	3.4 ft.	In	PVC	С	4 in.		S	S	GR	АМОН
4	3	4.7 ft.	In	VCP	С	6 in.		S	S	GR	CO 69136

Report Date	2012/06/15
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Sheet No. 26 Surveyor's name	TIM	Certificate I	lumber U-307-1521	Date 2012/0	5/17
System Owner COLONY COVE	:	Survey Customer	COLONY COVE	Ti	<b>me</b> 11:38
Drainage Area		Location	(No. & Name) HERLEE	EN ST	
P.O. No.	ocality/City Name	ELLENTON			
Further Location Details 9025.1 316 H	IERLEEN ST			Inspection Level Lev	el 2
Outgoing Rim to Invert 5.0 ft.	Outgo	oing Grade to Inve	rt 5.0 ft.	Rim to Grade 0	.0 ft.
Use of Sewer Sanitary	Year Laid	Year Rehabilita	ted Tape/Me	dia Number 9025.1	
Purpose Routine assessment			Sewer Category		
Pre-Cleaning Jetting D	ate Cleaned 2012	/05/17 Weath	ier Damp		
Location Code Yard		Potential for Ru	noff None E	Evidence of Surcharge	No
Access Point Type Manhole		Coordinate Sys	tem US STATE PLANE1983 (NAD 1983)		
Northing 1163718.32 Easting 4	97851.72 <b>E</b> l	evation	Accur	racy of GPS	
Inspection Status Remote Inspection					
Additional Information					
Manhole Surface Types					
	ncrete Collar	Asphalt 🗍	Grass/Dirt 🗸	Gravel	Other 🗌
Cover Cover Shape: Circu	lar		Cover Bearing Surfa	ice Diameter: 24.0 in.	
Cover Size: 24.0 in		Width	Cover Bearing Surfa		
Cover Material: Ca			Cover Frame Fit: G		
Vent Hole Diameter			# of Vent Holes:		
	•		<i>»</i> or vonchoico.		
Cover Type			<b>Cover</b> Condition		
				<b>—</b>	٦
Solid			Sound		
Vented/Slots				Corroded/Pitted	
Gasketed		-	Broken	Bolts Missing	
Hatch Single	Lamphole		Restraint Missir	-	
Hatch Double			Restraint Defect	tive	
	······································		L		_
Cover Insert	, , , , , , , , , , , , , , , , ,				<u> </u>
			Cover Insert Conditi	_	٦
Cover Insert Type:	None		Sound	Leaking	
oover maert type.	110116		Poorly Fitting		
			Cracked/Torn/H	oles 🔲 Insert Fell	
			L		

MACP Surv	ey Report 9025	Report Date 2012/06/15				
Sheet No. 26	Survey Date 2012/05/17	12/05/17 P.O. No. Inspection Level Level 2				
Location (No. & I	Name) HERLEEN ST					
Locality/City Nan	ne ELLENTON	Inspection Status Remote Inspection				
Adjustment Ring						
Adjustment King	MH Adjustment Ring Type: None	MH Adjustment Ring				
-	MH Adjustment Ring Material:	Sound Corroded/Pitted/Worn				
		Cracked Leaking				
	MH Adjustment Ring Height:					
Frame	Frame Material: Cast Iron	Frame Offset Distance: 6 in.				
	Frame Bearing Surface Width: 0.5 in.	Frame Depth:				
	Frame Bearing Surface Depth: 1.0 in.	Frame Seal Inflow: None				
	Frame Clear Opening Diameter: 23.0 in.					
	Frame Condition	Frame Seal Condition				
	Sound Missing	Sound Loose/Not Attached				
	Cracked 🖌 Corroded/Pitted/Worn	Cracked Offset				
	Broken Coated	Missing				
Chimnov						
Chimney	Chimney Material 1: Brick	Interior Chimney Coating/Liner: None - No Coatir				
	Chimney Material 2:	Exterior Chimney Coating/Liner: None - No Coatin				
	Chimney Clear Opening: 25.0 in.	Chimney I/I: None				
	Chimney Depth: 0.9 ft.					
Cone	Cone Type: Conical centered	Cone Depth: 3.0 ft.				
	Exterior Cone Coating/Liner: None - No Coating	Cone Material: Brick				
	Interior Cone Coating/Liner: None - No Coating					
Wall	Wall Diameter 1: 46 in.	Wall Depth: 0.2 ft.				
	Wall Diameter 2:	Interior Wall Coating/Liner: None - No Coating				
	Wall Material: Brick	Exterior Wall Coating/Liner: None - No Coating				
Bench						
	Bench Present?: Yes Bench Material: Concrete					
	Bench Material: Concrete Bench Coating/Liner: None - No Coating					
	Bench Coaungramer. None - No Coaung					
	Channel	Step				
Channel/Step	1 1	# Steps: 0				
Channel/Step	Channel Material: Concrete	# Steps. 0				
Channel/Step	Channel Material: Concrete Channel Type: Formed	# Steps. 0				
Channel/Step		Step Material:				

N	<b>IACP</b>	Surve	ey Rep	ort 902	25						Report I	Date 2012/06/15	
Sheet No.     26     Survey Date 2012/05/17       Location (No. & Name)     HERLEEN ST       Locality/City Name     ELLENTON									I	P.O. No. Inspection Level Level 2 Inspection Status Remote Inspection			
Pipe		nectio	ns									·····	
Num	<b>D</b>	Rim to Invert	Direc	Materia	l Shap	e D	iam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID	
1	6	5.0 ft.	Out	VCP	С	8	in.		S	S	GR	AMH 9026	
2	12	5.0 ft.	In	VCP	С	8	in.		S	S	GR	AMH 9024	
3	2	4.9 ft.	In	VCP	С	8	in.		S	S	GR	AMH 96062	
Obs	ervat	ions				·			- , , , , , , , , , , , , , , , , , , ,				
Dista	nce V	id Ref	Comp	Code	CD JI	nt S	tp %	In1	in2 Fr T	o ImRef	Rem	arks	
3.0 ft.	.		Wi	IS					12 1	2			

JTV INC. Phone: (727)528-1998

Report Date	2012/06/15
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Sheet No. 34 Surveyor's name TIM	Certificate Number U-307-15	521 Date 2012/05/17
System Owner COLONY COVE	Survey Customer COLONY COVE	Time 15:37
Drainage Area	Location (No. & Name) EN	IDHOVEN ST
P.O. No. Locality/Ci	y Name ELLENTON	
Further Location Details 9016.1 223 ENDHOVE	N ST	Inspection Level Level 2
Outgoing Rim to Invert 6.8 ft.	Outgoing Grade to Invert 6.4 ft.	Rim to Grade 0.4 ft.
Use of Sewer Sanitary Year Lai	Year Rehabilitated Tap	e/Media Number 9016.1
Purpose Routine assessment	Sewer Catego	bry
Pre-Cleaning Jetting Date Clean	ed 2012/05/17 Weather Dry	
Location Code Light Highway	Potential for Runoff None	Evidence of Surcharge No
Access Point Type Manhole	Coordinate System US STATE PLANE1983 1983)	(NAD
Northing 1163388.75 Easting 497510.81 Inspection Status Remote Inspection Additional Information	Elevation 4	Accuracy of GPS
Manhole Surface Types		· · · · · · · · · · · · · · · · · · ·
Concrete Pavement Concrete Col	ar 🗌 Asphalt 🗍 Grass/Dir	rt 🖌 Gravel 🗌 Other 🗌
Cover Material: Cast Iron Vent Hole Diameter: <= 1/2 Cover Type Solid Bo Vented/Slots Lo Gasketed Inr	-	1 Missing Corroded/Pitted Bolts Missing
Cover Insert Cover Insert Type: None	Cover Insert Co Sound Poorly Fitti Cracked/To	Leaking

MACP Su	rvey Report 9016	<b>Report Date</b> 2012/06/15				
Sheet No. 34	Survey Date 2012/05/17	/05/17 P.O. No. Inspection Level Level 2				
Location (No.	& Name) ENDHOVEN ST					
Locality/City N	ame ELLENTON	Inspection Status Remote Inspection				
Adjustment Ri	ng MH Adjustment Ring Type: None	MH Adjustment Ring				
		Sound Corroded/Pitted/Worn				
	MH Adjustment Ring Material:	Cracked Leaking				
	MH Adjustment Ring Height:	Broken Poor Installation				
Fran	1e Frame Material: Cast Iron	Frame Offset Distance: 7 in.				
	Frame Bearing Surface Width: 0.5 in.	Frame Depth:				
	Frame Bearing Surface Depth: 1.0 in.	Frame Seal Inflow: None				
	Frame Clear Opening Diameter: 23.0 in.					
	Frame Condition	Frame Seal Condition				
	Sound 🔲 Missing	Sound Loose/Not Attached				
	Cracked Corroded/Pitted/Worn	Cracked Offset				
	Broken Coated	Missing				
Chimne	Chimney Material 1: Brick	Interior Chimney Coating/Liner: None - No Coati				
Chimne	Chimney material I. Drok	Interior Chimney Coating/Liner: None - No Coati Exterior Chimney Coating/Liner: None - No Coati				
Chimne	Chimney Material 2:	Exterior Chimney Coating/Liner: None - No Coati				
Chimne	Chimney material I. Drok					
Chimne	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft.	Exterior Chimney Coating/Liner: None - No Coati				
	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft.	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None				
	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft.	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft.				
	Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft.				
Cor	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick				
Cor	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating Wall Diameter 1: 45 in.	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft.				
Cor	Chimney Material 2: Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating Wall Diameter 1: 45 in. Wall Diameter 2: Wall Material: Brick	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating				
Cor Wa	Chimney Material 2: Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating Wall Diameter 1: 45 in. Wall Diameter 2: Wall Material: Brick	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating				
Cor Wa	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating Wall Diameter 1: 45 in. Wall Diameter 2: Wall Diameter 2: Wall Material: Brick Bench Present?: Yes	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating				
Cor Wa	<ul> <li>Chimney Material 1: Dick</li> <li>Chimney Material 2:</li> <li>Chimney Clear Opening: 25.0 in.</li> <li>Chimney Depth: 0.2 ft.</li> <li>Cone Type: Conical centered</li> <li>Exterior Cone Coating/Liner: None - No Coating</li> <li>Interior Cone Coating/Liner: None - No Coating</li> <li>III Wall Diameter 1: 45 in.</li> <li>Wall Diameter 2:</li> <li>Wall Material: Brick</li> <li>Bench Present?: Yes</li> <li>Bench Material: Concrete</li> <li>Bench Coating/Liner: None - No Coating</li> </ul>	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating				
Cor Wa Benc	<ul> <li>Chimney Material 1: Dick</li> <li>Chimney Material 2:</li> <li>Chimney Clear Opening: 25.0 in.</li> <li>Chimney Depth: 0.2 ft.</li> <li>Cone Type: Conical centered</li> <li>Exterior Cone Coating/Liner: None - No Coating</li> <li>Interior Cone Coating/Liner: None - No Coating</li> <li>Wall Diameter 1: 45 in.</li> <li>Wall Diameter 2:</li> <li>Wall Material: Brick</li> <li>Bench Present?: Yes</li> <li>Bench Material: Concrete</li> <li>Bench Coating/Liner: None - No Coating</li> </ul>	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating Exterior Wall Coating/Liner: None - No Coating				
Cor Wa Benc	Chimney Material 1: Dick Chimney Material 2: Chimney Clear Opening: 25.0 in. Chimney Depth: 0.2 ft. Cone Type: Conical centered Exterior Cone Coating/Liner: None - No Coating Interior Cone Coating/Liner: None - No Coating III Wall Diameter 1: 45 in. Wall Diameter 2: Wall Diameter 2: Wall Material: Brick Bench Present?: Yes Bench Material: Concrete Bench Coating/Liner: None - No Coating Channel	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating Exterior Wall Coating/Liner: None - No Coating				
Cor Wa Benc	<ul> <li>Chimney Material 1: Dick</li> <li>Chimney Material 2:</li> <li>Chimney Clear Opening: 25.0 in.</li> <li>Chimney Depth: 0.2 ft.</li> <li>Cone Type: Conical centered</li> <li>Exterior Cone Coating/Liner: None - No Coating</li> <li>Interior Cone Coating/Liner: None - No Coating</li> <li>Wall Diameter 1: 45 in.</li> <li>Wall Diameter 2:</li> <li>Wall Material: Brick</li> <li>Bench Present?: Yes</li> <li>Bench Material: Concrete</li> <li>Bench Coating/Liner: None - No Coating</li> <li>Channel</li> <li>Channel Material: Vitrified Clay</li> </ul>	Exterior Chimney Coating/Liner: None - No Coati Chimney I/I: None Cone Depth: 3.0 ft. Cone Material: Brick Wall Depth: 2.7 ft. Interior Wall Coating/Liner: None - No Coating Exterior Wall Coating/Liner: None - No Coating				

Sheet No. 34

5.6 ft.

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ENDHOVEN ST

w

IW

Locality/City Name ELLENTON

Inspection Level Level 2

Inspection Status Remote Inspection

#### Pipe Connections Clk Rim to Num Pos Invert Direc Material Shape Diam Width Pipe Cond Seal Cond Special Cond Connects to Access Point ID VCP 6.8 ft. Out С 8 in. D S AMH 9082 1 6 GR 2 VCP С 6 in. D 9 6.8 ft. In S GR CO 9021 3 12 VCP С 6.8 ft. In 8 in. D s GR CO 96077 Observations Distance Vid Ref Comp Code CD Jnt Stp % In1 ln2 Fr To ImRef Remarks 3.3 ft. WI IS 12 12

10 11

Report Da	a <b>te</b> 201	12/06/	15
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Sheet No. 35 Surveyor's name TIM	Certificate Number U-307-1521 Date 2012/05/17					
System Owner COLONY COVE	Survey Customer C	Survey Customer COLONY COVE Tim				
Drainage Area	Location (f	No. & Name) HERLEEN A	4VE			
P.O. No. Locality/	City Name ELLENTON					
Further Location Details 22875.1 206 HERLEE	IN AVE	Ir	nspection Level Leve	el 2		
Outgoing Rim to Invert 7.2 ft.	Outgoing Grade to Invert	: 7.2 ft.	Rim to Grade 0.	.0 ft.		
Use of Sewer Sanitary Year La	aid Year Rehabilitat	ed Tape/Media	Number 9016.1			
Purpose Routine assessment		Sewer Category				
Pre-Cleaning Jetting Date Clea	ned 2012/05/17 Weathe	∌ <b>r</b> Dry				
Location Code Light Highway	Potential for Rune	off None Evid	lence of Surcharge	No		
Access Point Type Manhole	Coordinate Syste	em US STATE PLANE1983 (NAD 1983)				
Northing 1163387.77 Easting 497377.53	Elevation	Accuracy	r of GPS			
Inspection Status Remote Inspection						
Additional Information						
Manhole Surface Types						
Concrete Pavement Concrete C	ollar 🗌 Asphalt 🖌	Grass/Dirt	Gravel	Other		
Cover Material: Cast Iron Vent Hole Diameter: Cover Type Solid	loited	Cover Bearing Surface Cover Bearing Surface Cover Frame Fit: Good # of Vent Holes: Cover Condition	Diameter Width: Missing			
Gasketed	ocking nner Cover amphole	Cracked	Corroded/Pitted Bolts Missing			
Cover Insert Cover Insert Type: None		Cover Insert Condition Sound Poorly Fitting Cracked/Torn/Holes	Leaking Corroded	]		

Sheet No. 35	Survey Date 2012/05/17	05/17 <b>P.O. No.</b>				
	Name) HERLEEN AVE	Inspection Level Level 2				
Locality/City Na						
		Inspection Status Remote Inspection				
Adjustment Rin	g					
	MH Adjustment Ring Type: None	MH Adjustment Ring				
	MH Adjustment Ring Material:					
		Cracked L Leaking				
	MH Adjustment Ring Height:					
Frame	Frame Material: Cast Iron	Frame Offset Distance: 6 in.				
	Frame Bearing Surface Width: 0.5 in.	Frame Depth:				
	Frame Bearing Surface Depth: 1.0 in.	Frame Seal Inflow: Infil Weeper				
	Frame Clear Opening Diameter: 23.0 in.					
	Frame Condition Sound Missing	Frame Seal Condition				
	Cracked Corroded/Pitted/Worn	Sound Loose/Not Attached				
	Broken Coated	Cracked Offset				
		Missing				
Chimney	Chimney Material 1: Brick	Interior Chimney Coating/Liner: None - No Coat				
	Chimney Material 2:	Exterior Chimney Coating/Liner: None - No Coat				
	Chimney Clear Opening: 24.0 in.	Chimney I/I: Infil Weeper				
	Chimney Depth: 0.5 ft.					
Cone	Cone Type: Conical centered	Cone Depth: 2.7 ft.				
	Exterior Cone Coating/Liner: None - No Coating	Cone Material: Brick				
	Interior Cone Coating/Liner: None - No Coating					
Wall	Wall Diameter 1: 46 in.	Wall Danths 25 A				
	Wall Diameter 1: 40 m.	Wall Depth: 2.5 ft.				
	Wall Material: Brick	Interior Wall Coating/Liner: None - No Coating				
	wan malerial, Dila	Exterior Wall Coating/Liner: None - No Coating				
Bench	Bench Present?: Yes					
	Bench Material: Concrete					
	Bench Coating/Liner: None - No Coating					
Channel/Sten						
Channel/Step	Channel	Step				
	Channel Material: Concrete	<b># Steps:</b> 0				
	Channel Type: Formed					
	Channel Exposure: Fully Opened					
	Channel Installed Yes	Step Material:				

## Report Date 2012/06/15

Sheet No. 35

#### Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN AVE

Locality/City Name ELLENTON

Inspection Level Level 2

Inspection Status Remote Inspection

## **Pipe Connections**

Num	Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.2 ft.	Out	VCP	С	8 in.		S	S	GR	LS 517
2	9	7.2 ft.	In	VCP	С	8 in.		S	S	GR	AMH 9029
3	12	5.1 ft.	In	PVC	С	6 in.		S	S	GR	CO 96079
4	3	7.2 ft.	In	VCP	С	8 in.		S	S	GR	AMH 9082