

MANATEE COUNTY, FL

**BLANKET P.O. NO: P0802958
RELEASE ORDER # B1201795**

**SANITARY SEWER, STORM SEWER AND
MANHOLE REHABILITATION SERVICES**

**PROJECT MANAGEMENT DEPARTMENT
COLONY COVE PHASE 1 & 2
CLEANING, CCTV INSPECTION AND CUTTING
RFP 08-1033-FL**

**SUBMITTED BY: J.T.V., INCORPORATED
LICENSE # CUC1225007
6400 53RD STREET NORTH
PINELLAS PARK, FL 33781
PHONE: (727)528-1998 FAX: (727)528-9773
JTVINCORPORATED@AOL.COM**

Setup #	Start Manhole				Finish Manhole			
	Old Manhole Number	Old Manhole Number	Northing	Easting	Old Manhole Number	Old Manhole Number	Northing	Easting
1	9037	(1-3-5A)	1163598.73	496557.31	9033	(1-3-5)	1163763.77	496503.04
2	9036	(1-3-4)	1163503.49	496634.92	9037	(1-3-5A)	1163598.73	496557.31
3	9036	(1-3-4)	1163503.49	496634.92	9035	(1-3-1)	1163473.09	496734.54
4	9036	(1-3-4)	1163503.49	496634.92	9034	(1-3-8)	1163412.36	496564.76
5	9034	(1-3-8)	1163412.36	496564.76	9042	(1-3-9)	1163254.72	496654.91
6	9042	(1-3-9)	1163254.72	496654.91	9034	(1-3-8)	1163412.36	496564.76
7	9040	(1-3-1C)	1163493.16	496875.42	9035	(1-3-1)	1163473.09	496734.54
8	9040	(1-3-1C)	1163493.16	496875.42	9028	(1-3-B)	1163243.03	497017.13
9	11845	(1-3-10)	1163144.63	496873.16	9028	(1-3-B)	1163243.03	497017.13
10	10419	(1-6)	1162831.95	496725.11	11066	(1-7)	1162459.56	496765.19
11	10419	(1-6)	1162831.95	496725.11	11064	(1-6-1)	1162727.00	496573.75
12	10419	(1-6)	1162831.95	496725.11	104198	(1-5)	1162916.84	496781.14
13	104198	(1-5)	1162916.84	496781.14	11847		1163237.57	497087.67
14	11847		1163237.57	497087.67	104198	(1-5)	1162916.84	496781.14
15	11847		1163237.57	497087.67	9028	(1-3-B)	1163243.03	497017.13
16	11847		1163237.57	497087.67	9031	(1-2-A)	1163228.94	497150.50
17	8864	(1-11-1)	1164210.45	497959.52	8863	(1-11-2)	1164293.90	498102.34
18	9668	(1-1-10)	1164063.27	497703.52	CO 96069	(1-1-10-1)	1164359.20	497551.48
19	9667	(1-1-8)	1164007.48	497529.00	9668	(1-1-10)	1164063.27	497703.52
20	9668	(1-1-10)	1164063.27	497703.52	8864	(1-11-1)	1164210.45	497959.52
21	9667	(1-1-8)	1164007.48	497529.00	CO 96068	(1-1-9)	1164231.044	497400.797
22	9667	(1-1-8)	1164007.48	497529.00	CO 96066		1163873.352	497285.200
23	9667	(1-1-8)	1164007.48	497529.00	9027	(1-1-7)	1163860.85	497614.00
24	9018	(1-1-6)	1163683.62	497295.91	9027	(1-1-7)	1163860.85	497614.00
25	9018	(1-1-6)	1163683.62	497295.91	9017	(1-1-4)	1163532.57	497397.47
26	9017	(1-1-4)	1163532.57	497397.47	9082	(1-1-1)	1163452.33	497461.09
27	9082	(1-1-1)	1163452.33	497461.09	9016	(1-1-2)	1163388.75	1163388.75
28	9016	(1-1-2)	1163388.75	497510.81	CO 96077		1163308.149	497572.336
29	9022	(1-1-38)	1163928.01	497825.36	CO 96063	(1-1-40)	1164073.248	498065.311
30	9024	(1-1-19)	1163813.59	497928.47	9022	(1-1-38)	1163928.01	497825.36
31	9024	(1-1-19)	1163813.59	497928.47	9025	(1-1-18)	1163718.32	497851.02
32	11124	(1-1-26)	1163667.07	498308.61	111258		1163582.996	498196.891
33	111258		1163582.996	498196.891	96062	(1-1-24)	1163560.326	498105.185
34	96074	(1-1-25)	1163876.873	495637.686	CO 96075		1164034.008	498338.244
35	96074	(1-1-25)	1163863.002	498354.048	11124	(1-1-26)	1163667.07	498308.61
36	96062	(1-1-24)	1163561.076	498117.634	9025	(1-1-18)	1163718.32	497851.02
37	96062	(1-1-24)	1163560.326	498105.185	111258		1163582.996	498196.891
38	9025	(1-1-18)	1163718.32	497851.02	9026	(1-1-16)	1163687.30	497764.87
39	9082	(1-1-1)	1163452.33	497461.09	9026	(1-1-16)	1163687.30	497764.87
40	9082	(1-1-1)	1163452.33	497461.09	22875	(1-1)	1163387.77	497377.53
41	9031	(1-2-A)	1163228.94	497150.50	9029	(1-1)	1163293.12	497239.82
42	9029	(1-1)	1163293.12	497239.82	9031	(1-2-A)	1163228.94	497150.50
43	22875	(1-1)	1163387.77	497377.53	9029	(1-1)	1163293.12	497239.82
44	9029	(1-1)	1163293.12	497239.82	CO 96060		1163192.089	497323.355
45	11066	(1-7)	1162459.56	496765.19	1-8		1162479.400	496556.477
46	10421	(1-6-2)	1162927.90	496560.81	CO 11846		1163038.685	496644.031
47	10421	(1-6-2)	1162927.90	496560.81	11064	(1-6-1)	1162727.00	496573.75
48	11064	(1-6-1)	1162727.00	496573.75	CO 96085		1162625.857	496586.644
49	9031	(1-2-A)	1163228.94	497150.50	CO EOL 31	(1-2-1)	1163565.944	496935.981
50	9033	(1-3-5)	1163763.77	496503.04	CO 9038	(1-3-6)	1163891.66	496718.02
51	9066	(1-3-5)	1163763.77	496503.04	CO 9039	(1-3-7)	1163679.351	496339.883
52	9037	(1-3-5A)	1163598.73	496557.31	CO 96088		1163509.238	496393.786
53	9034	(1-3-8)	1163412.36	496564.76	CO 96089		1163315.215	496384.081
54	9042	(1-3-9)	1163254.72	496654.91	CO 69136	(1-3-10)	1163130.922	496427.925
55	11845	(1-3-10)	1163144.63	496873.16	CO 96086		1163090.98	496794.62
56	8863	(1-11-2)	1164293.90	498102.34	CO 96071	(1-11-2-1)	1164561.402	497975.990
57	8863	(1-11-2)	1164293.90	498102.34	CO 96072	(1-11-2-2)	1164153.408	498162.887
58	8865	(1-1-13)	1164361.54	497875.85	CO EOL 96070	(1-1-14)	1164467.153	497811.395
59	8865	(1-1-13)	1164361.54	497875.85	8864	(1-11-1)	1164210.45	497959.52
60	8865	(1-1-13)	1164361.54	497875.85	CO 96073		1164298.274	497755.798
61	9017	(1-1-4)	1163532.57	497397.47	CO 96065	(1-1-5)	1163555.857	497426.917
62	9016	(1-1-2)	1163388.75	497510.81	CO 9021		1163523.636	497714.880
63	22875	(1-1)	1163387.77	497377.53	CO 96079		1163470.215	497318.600
64	9029	(1-1)	1163293.12	497239.82	CO 96081		1163420.541	497168.813
65	9024	(1-1-19)	1163813.59	497928.47	CO EOL 9015		1163659.636	498174.107
66	CO 96064A	(1-39)	1163906.486	498112.229	96074	(1-1-25)	1164034.008	498338.244
67	22875	(1-1)	1163387.77	497377.53	LS 517	(1)	1163270.82	497440.57

Note Setup 13: This pipe
segment has two 45 degree
bends within it.

J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Manhole Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 5/16/12 & 5/17/12
DVS 1 of 1, Setups 1-36, 37 deleted

Setup: 1 - 36 DVS Inspections

Setup: 1 - 36 PACP Level 2 Reports

MACP Survey List for COLONY COVE INITIAL CCTV SANITARY 2012 MANHOLE SEGMENT

Number of Surveys 36 as of 2012/05/18

Sheet No.	Date	Manhole Number	Location (No. & Name)	Locality/City Name
1	2012/05/16	11066	DENMARK DR	ELLENTON
2	2012/05/16	10419	DENMARK DR	ELLENTON
3	2012/05/16	10421	ROTTERDAM AVE	ELLENTON
4	2012/05/16	11064	ROTTERDAM AVE	ELLENTON
5	2012/05/16	104198	DENMARK DR	ELLENTON
6	2012/05/16	11845	DENMARK DR	ELLENTON
7	2012/05/16	9028	DENMARK DR	ELLENTON
8	2012/05/16	11847	DENMARK DR	ELLENTON
9	2012/05/16	9031	AMSTERDAM AVE	ELLENTON
10	2012/05/16	9040	HOLLAND ST	ELLENTON
11	2012/05/16	9042	EMDEN WAY	ELLENTON
12	2012/05/16	9034	ROTTERDAM AVE	ELLENTON
13	2012/05/16	9035	HOLLAND ST	ELLENTON
14	2012/05/16	9036	HOLLAND ST	ELLENTON
15	2012/05/16	9037	HOLLAND ST	ELLENTON
16	2012/05/16	9033	HOLLAND ST	ELLENTON
17	2012/05/17	8865	DORDRECHT ST	ELLENTON
18	2012/05/17	8863	ALKMAAR ST	ELLENTON
19	2012/05/17	8864	HOLLAND ST	ELLENTON
20	2012/05/17	9668	DEN HELDER AVE	ELLENTON
21	2012/05/17	9667	DEN HELDER AVE	ELLENTON
22	2012/05/17	9027	HOLLAND ST	ELLENTON
23	2012/05/17	9022	HOLLAND ST	ELLENTON
24	2012/05/17	9024	HAGUE DR	ELLENTON
25	2012/05/17	9026	S UTRECHT ST	ELLENTON
26	2012/05/17	9025	HERLEEN ST	ELLENTON
27	2012/05/17	96062	DEN HELDER AVE	ELLENTON
28	2012/05/17	11125B	DEN HELDER AVE	ELLENTON
29	2012/05/17	11124	DEN HELDER AVE	ELLENTON
30	2012/05/17	96074	ALKMAAR ST	ELLENTON
31	2012/05/17	9018	HERLEEN AVE	ELLENTON
32	2012/05/17	9017	N UTRECHT ST	ELLENTON
33	2012/05/17	9082	S UTRECHT ST	ELLENTON
34	2012/05/17	9016	ENDHOVEN ST	ELLENTON
35	2012/05/17	22875	HERLEEN AVE	ELLENTON
36	2012/05/17	9029	AMELO AVE	ELLENTON

Sheet No. 1 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
 System Owner COLONY COVE Survey Customer COLONY COVE Time 08:17
 Drainage Area Location (No. & Name) DENMARK DR
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 11066.1 187 DENMARK DR Inspection Level Level 2
 Outgoing Rim to Invert 2.3 ft. Outgoing Grade to Invert 2.3 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 11066.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
 Location Code Yard Potential for Runoff None Evidence of Surcharge No
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1162459.56 Easting 496765.19 Elevation Accuracy of GPS

Inspection Status Descent Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 22.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 22.5 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 1

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Descent Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 3.0 in.

Frame Clear Opening Diameter: 20.5 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 1.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 36 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 1

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Descent Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	2.3 ft.	Out	VCP	C	8 in.		S	S	GR	10419
2	9	2.2 ft.	In	VCP	C	8 in.		S	S	GR	CO 1-8
3	3	2.1 ft.	In	VCP	C	4 in.		S	S	GR	ACOH

Sheet No. 2 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 10:25
Drainage Area Location (No. & Name) DENMARK DR
P.O. No. Locality/City Name ELLENTON
Further Location Details 10419.1 199 DENMARK DR Inspection Level Level 2
Outgoing Rim to Invert 3.8 ft. Outgoing Grade to Invert 3.2 ft. Rim to Grade 0.5 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 10419.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
Northing 1163237.57 Easting 497087.67 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☒ Asphalt ☐ Grass/Dirt ☐ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 22.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 23.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 2

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.7 in.

Frame Bearing Surface Depth: 2.0 in.

Frame Clear Opening Diameter: 20.5 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 2.5 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.5 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 36 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 2

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

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

MACP Survey Report 10421

Report Date 2012/05/18

Sheet No. 3 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
 System Owner COLONY COVE Survey Customer COLONY COVE Time 11:08
 Drainage Area Location (No. & Name) ROTTERDAM AVE
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 10421.1 302 ROTTERDAM AVE Inspection Level Level 2
 Outgoing Rim to Invert 3.4 ft. Outgoing Grade to Invert 3.0 ft. Rim to Grade 0.4 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 10421.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
 Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1162927.90 Easting 496560.81 Elevation Accuracy of GPS
 Inspection Status Remote Inspection
 Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular Cover Bearing Surface Diameter: 22.5 in.
 Cover Size: 24.0 in. Cover Size Width: Cover Bearing Surface Diameter Width:
 Cover Material: Cast Iron Cover Frame Fit: Good
 Vent Hole Diameter: > 1/2 # of Vent Holes: 1

Cover Type

☐ Solid ☐ Bolted
☒ Vented/Slots ☐ Locking
☐ Gasketed ☐ Inner Cover
☐ Hatch Single ☐ Lamphole
☐ Hatch Double

Cover Condition

☐ Sound ☐ Missing
☐ Cracked ☒ Corroded/Pitted
☐ Broken ☐ Bolts Missing
☐ Restraint Missing
☐ Restraint Defective

Cover Insert

Cover Insert Type: None

Cover Insert Condition

☐ Sound ☐ Leaking
☐ Poorly Fitting ☐ Corroded
☐ Cracked/Torn/Holes ☐ Insert Fell

Sheet No. 3

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) ROTTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.8 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 22.5 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 2 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 22.5 in.

Chimney Depth: 1.1 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 1.3 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 36 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: Fiberglass

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 3

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) ROTTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	3.4 ft.	Out	VCP	C	6 in.		S	S	GR	AMH 11064
2	9	2.2 ft.	In	VCP	C	4 in.		S	S	GR	AMOH
3	1	3.4 ft.	In	VCP	C	6 in.		S	S	GR	CO 11846

MACP Survey Report 11064

Report Date 2012/05/18

Sheet No. 4 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
 System Owner COLONY COVE Survey Customer COLONY COVE Time 11:30
 Drainage Area Location (No. & Name) ROTTERDAM AVE
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 11064.1310 ROTTERDAM AVE Inspection Level Level 2
 Outgoing Rim to Invert 3.8 ft. Outgoing Grade to Invert 3.8 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 11064.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
 Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1162727.00 Easting 496573.75 Elevation Accuracy of GPS
 Inspection Status Remote Inspection
 Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular
 Cover Size: 24.0 in. Cover Size Width:
 Cover Material: Cast Iron
 Vent Hole Diameter: > 1/2
 Cover Bearing Surface Diameter: 22.5 in.
 Cover Bearing Surface Diameter Width:
 Cover Frame Fit: Good
 # of Vent Holes: 1

Cover Type

☐ Solid ☐ Bolted
☒ Vented/Slots ☐ Locking
☐ Gasketed ☐ Inner Cover
☐ Hatch Single ☐ Lamphole
☐ Hatch Double

Cover Condition

☐ Sound ☐ Missing
☐ Cracked ☒ Corroded/Pitted
☐ Broken ☐ Bolts Missing
☐ Restraint Missing
☐ Restraint Defective

Cover Insert

Cover Insert Type: None

Cover Insert Condition

☐ Sound ☐ Leaking
☐ Poorly Fitting ☐ Corroded
☐ Cracked/Torn/Holes ☐ Insert Fell

Sheet No. 4

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) ROTTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.8 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 22.5 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 2 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 22.0 in.

Chimney Depth: 11.5 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 19.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 36 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 5.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 4

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) ROTTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	3.8 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 10419
2	9	3.6 ft.	In	VCP	C	6 in.		S	S	GR	CO 96085
3	10	3.2 ft.	In	PVC	C	4 in.		S	S	GR	AMOH
4	3	3.5 ft.	In	VCP	C	6 in.		S	S	GR	AMH 10421

Sheet No. 5 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 11:52
Drainage Area Location (No. & Name) DENMARK DR
P.O. No. Locality/City Name ELLENTON
Further Location Details 104198.1 203 DENMARK DR Inspection Level Level 2
Outgoing Rim to Invert 3.9 ft. Outgoing Grade to Invert 3.9 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 104198.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD 1983)
Northing 1162916.84 Easting 496781.14 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 22.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 23.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 5

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 1.0 in.

Frame Bearing Surface Depth: 3.0 in.

Frame Clear Opening Diameter: 21.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.6 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 5

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	3.9 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 11847
2	12	3.8 ft.	In	VCP	C	8 in.		S	S	GR	AMH 10419

MACP Survey Report 11845

Report Date 2012/05/18

Sheet No. 6 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 12:16
Drainage Area Location (No. & Name) DENMARK DR
P.O. No. Locality/City Name ELLENTON
Further Location Details 11845.1 212 DENMARK DR Inspection Level Level 2
Outgoing Rim to Invert 6.5 ft. Outgoing Grade to Invert 6.5 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 11845.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163144.63 Easting 496873.16 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 6

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 2.5 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.9 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 49 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 29.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 6

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.5 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9028
2	12	4.7 ft.	In	PVC	C	6 in.		S	S	GR	CO 96086
3	1	4.7 ft.	In	VCP	C	6 in.		S	S	GR	AMOH

MACP Survey Report 9028

Report Date 2012/05/18

Sheet No. 7 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 12:42
Drainage Area Location (No. & Name) DENMARK DR
P.O. No. Locality/City Name ELLENTON
Further Location Details 9028.1 218 DENMARK DR Inspection Level Level 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 Laid Year Rehabilitated Tape/Media Number 11845.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163243.03 Easting 497017.13 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 7

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 25.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 1.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 7

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

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

Sheet No. 8 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 13:06
Drainage Area Location (No. & Name) DENMARK DR
P.O. No. Locality/City Name ELLENTON
Further Location Details 11847.1 219 DENMARK DR Inspection Level Level 2
Outgoing Rim to Invert 5.9 ft. Outgoing Grade to Invert 5.9 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 11847.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
Northing 1163237.57 Easting 497087.67 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Bearing Surface Diameter: 23.0 in.

Cover Size: 22.5 in. Cover Size Width:

Cover Bearing Surface Diameter Width:

Cover Material: Cast Iron

Cover Frame Fit: Good

Vent Hole Diameter: > 1/2

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 8

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 21.5 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Concrete

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 1.3 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical off

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.0 ft.

Cone Material: Concrete

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Concrete

Wall Depth: 3.6 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 8

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) DENMARK DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.9 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9031
2	9	5.9 ft.	In	VCP	C	8 in.		S	S	GR	AMH 104198
3	12	5.9 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9028

Sheet No. 9 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
 System Owner COLONY COVE Survey Customer COLONY COVE Time 13:34
 Drainage Area Location (No. & Name) AMSTERDAM AVE
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 9031.1 215 AMSTERDAM AVE Inspection Level Level 2
 Outgoing Rim to Invert 5.8 ft. Outgoing Grade to Invert 5.8 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9031.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
 Location Code Yard Potential for Runoff None Evidence of Surcharge No
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1163228.94 Easting 497150.50 Elevation Accuracy of GPS
 Inspection Status Remote Inspection
 Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 9

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) AMSTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.2 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 1.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 9

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) AMSTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.8 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9029
2	9	3.0 ft.	In	VCP	C	6 in.		S	S	GR	AMOH
3	12	5.8 ft.	In	VCP	C	8 in.		D	S	GR	AMH 11847
4	3	3.9 ft.	In	VCP	C	6 in.		D	S	GR	CO EOL 31

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.9 ft.		WI	IS							5			

Sheet No. 10 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 14:05
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9040.1 202 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 7.4 ft. Outgoing Grade to Invert 7.4 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9040.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163493.16 Easting 496875.42 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 10

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 0.2 ft

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.0 ft

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.5 ft

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 10

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.4 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9028
2	10	7.4 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9035
3	12	7.3 ft.	In	VCP	C	6 in.		D	S	GR	AMOH
4	2	4.5 ft.	In	VCP	C	4 in.		S	S	GR	AMOH

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
4.7 ft.		WI	IW							2			
5.3 ft.		WI	IS							8			

MACP Survey Report 9042

Report Date 2012/05/18

Sheet No. 11 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
 System Owner COLONY COVE Survey Customer COLONY COVE Time 14:59
 Drainage Area Location (No. & Name) EMDEN WAY
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 9042.1 210 EMDEN WAY Inspection Level Level 2
 Outgoing Rim to Invert 4.7 ft. Outgoing Grade to Invert 4.7 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9040.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
 Location Code Yard Potential for Runoff None Evidence of Surcharge No
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1163254.72 Easting 496654.91 Elevation Accuracy of GPS
 Inspection Status Remote Inspection
 Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular Cover Bearing Surface Diameter: 24.0 in.
 Cover Size: 23.5 in. Cover Size Width: Cover Bearing Surface Diameter Width:
 Cover Material: Cast Iron Cover Frame Fit: Good
 Vent Hole Diameter: > 1/2 # of Vent Holes: 1

Cover Type

☐ Solid ☐ Bolted
☒ Vented/Slots ☐ Locking
☐ Gasketed ☐ Inner Cover
☐ Hatch Single ☐ Lamphole
☐ Hatch Double

Cover Condition

☒ Sound ☐ Missing
☐ Cracked ☐ Corroded/Pitted
☐ Broken ☐ Bolts Missing
☐ Restraint Missing
☐ Restraint Defective

Cover Insert

Cover Insert Type: None

Cover Insert Condition

☐ Sound ☐ Leaking
☐ Poorly Fitting ☐ Corroded
☐ Cracked/Torn/Holes ☐ Insert Fell

Sheet No. 11

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) EMDEN WAY

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.3 in.

Frame Clear Opening Diameter: 22.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 5 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.8 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 47 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.9 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 11

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) EMDEN WAY

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	4.7 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9034
2	10	3.0 ft.	In	VCP	C	4 in.		S	S	GR	AMOH
3	12	3.4 ft.	In	PVC	C	4 in.		S	S	GR	AMOH
4	3	4.7 ft.	In	VCP	C	6 in.		S	S	GR	CO 69136

Sheet No. 12 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
 System Owner COLONY COVE Survey Customer COLONY COVE Time 15:23
 Drainage Area Location (No. & Name) ROTTERDAM AVE
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 9034.1 205 ROTTERDAM AVE Inspection Level Level 2
 Outgoing Rim to Invert 6.3 ft. Outgoing Grade to Invert 6.3 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9034.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
 Location Code Yard Potential for Runoff Sheeting Evidence of Surcharge Yes
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1163412.36 Easting 496564.76 Elevation Accuracy of GPS
 Inspection Status Remote Inspection
 Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular Cover Bearing Surface Diameter: 24.0 in.
 Cover Size: 23.5 in. Cover Size Width: Cover Bearing Surface Diameter Width:
 Cover Material: Cast Iron Cover Frame Fit: Rocks/Wobbles
 Vent Hole Diameter: > 1/2 # of Vent Holes: 1

Cover Type

☐ Solid ☐ Bolted
☒ Vented/Slots ☐ Locking
☐ Gasketed ☐ Inner Cover
☐ Hatch Single ☐ Lamphole
☐ Hatch Double

Cover Condition

☒ Sound ☐ Missing
☐ Cracked ☐ Corroded/Pitted
☐ Broken ☐ Bolts Missing
☐ Restraint Missing
☐ Restraint Defective

Cover Insert

Cover Insert Type: None

Cover Insert Condition

☐ Sound ☐ Leaking
☐ Poorly Fitting ☐ Corroded
☐ Cracked/Torn/Holes ☐ Insert Fell

Sheet No. 12

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) ROTTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.3 in.

Frame Clear Opening Diameter: 22.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 5 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: Infil Weeper

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.3 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 12

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) ROTTERDAM AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.3 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9036
2	10	6.2 ft.	In	VCP	C	8 in.		D	S	GR	AMH 9042
3	12	6.3 ft.	In	VCP	C	6 in.		D	S	GR	CO 96089

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
1.8 ft.		COI	IS							12	12		
3.8 ft.		COI	IS							12	12		

Sheet No. 13 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 15:58
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9035.1 115 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 6.6 ft. Outgoing Grade to Invert 6.6 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9035.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff Sheeting Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163473.09 Easting 496734.54 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 23.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 13

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 23.0 in.

Chimney Depth: 2.7 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 13

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.6 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9040
2	12	6.6 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9036

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.0 ft.		COI	IS							12	12		

Sheet No. 14 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 16:23
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9036.1 113 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 7.4 ft. Outgoing Grade to Invert 7.4 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9036.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD 1983)
Northing 1163503.49 Easting 496634.92 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 23.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 14

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.5 in.

Frame Clear Opening Diameter: 22.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 5 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.5 in.

Chimney Depth: 0.3 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 14

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.4 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9035
2	9	7.5 ft.	In	VCP	C	8 in.		D	S	GR	AMH 9034
3	12	7.5 ft.	In	VCP	C	8 in.		D	S	GR	AMH 9037

Sheet No. 15 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 16:49
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9037.1 109 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 7.1 ft. Outgoing Grade to Invert 7.1 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9037.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163598.73 Easting 496557.31 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 15

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.3 in.

Frame Clear Opening Diameter: 22.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 5 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.0 in.

Chimney Depth: 0.4 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.3 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 15

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.1 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9036
2	9	7.1 ft.	In	VCP	C	6 in.		S	S	GR	CO 96088
3	12	7.1 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9033
4	3	7.1 ft.	In	VCP	C	6 in.		S	S	GR	AMOH

Sheet No. 16 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/16
System Owner COLONY COVE Survey Customer COLONY COVE Time 17:14
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9033.1 106 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 5.8 ft. Outgoing Grade to Invert 5.8 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9033.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff Sheeting Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163763.77 Easting 496503.04 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 23.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 16

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.3 in.

Frame Clear Opening Diameter: 22.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 5 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 28.0 in.

Chimney Depth: 0.4 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.1 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 49 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 1.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 16

Survey Date 2012/05/16

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.8 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9037
2	9	4.9 ft.	In	VCP	C	6 in.		S	S	GR	CO 9039
3	12	2.1 ft.	In	PVC	C	2 in.		D	S	FM	UNKNOWN
4	3	5.7 ft.	In	VCP	C	6 in.		S	S	GR	CO 9038

Sheet No. 17 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 07:23
Drainage Area Location (No. & Name) DORDRECHT ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 8865.1 220 DORDRECHT ST Inspection Level Level 2
Outgoing Rim to Invert 5.2 ft. Outgoing Grade to Invert 4.8 ft. Rim to Grade 0.5 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 8865.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/16 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1164361.54 Easting 497875.85 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 17

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DORDRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☒ Broken | ☐ Coated |

Frame Offset Distance: 7 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| ☐ Sound | ☐ Loose/Not Attached |
| ☒ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 1.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Vitrified Clay
Channel Type: Pipe
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 17

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DORDRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.2 ft.	Out	VCP	C	6 in.		S	S	GR	AMH 8864
2	9	5.2 ft.	In	VCP	C	6 in.		S	S	GR	CO 96073
3	12	5.2 ft.	In	VCP	C	6 in.		S	S	GR	CO 96070

Sheet No. 18 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 07:53
Drainage Area Location (No. & Name) ALKMAAR ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 8863.1 313 ALKMAAR ST Inspection Level Level 2
Outgoing Rim to Invert 7.1 ft. Outgoing Grade to Invert 7.1 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 8863.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1164293.90 Easting 498102.34 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 18

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ALKMAAR ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 7 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 18

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ALKMAAR ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rlm to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.1 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 8864
2	9	7.1 ft.	In	VCP	C	6 in.		S	S	GR	CO 96071
3	3	7.1 ft.	In	VCP	C	6 in.		S	S	GR	CO 96072

Sheet No. 19 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 08:19
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 8864.1 312 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 7.3 ft. Outgoing Grade to Invert 7.3 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 8864.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
Northing 1164210.45 Easting 497959.52 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 19

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.4 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 7 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Vitrified Clay
Channel Type: Pipe
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 19

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.3 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9668
2	9	7.3 ft.	In	VCP	C	6 in.		D	S	GR	AMH 8865
3	12	7.3 ft.	In	VCP	C	8 in.		D	S	GR	AMH 8863

Sheet No. 20 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 08:41
Drainage Area Location (No. & Name) DEN HELDER AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 9668.1 201 DEN HELDER AVE Inspection Level Level 2
Outgoing Rim to Invert 7.7 ft. Outgoing Grade to Invert 7.7 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9668.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1164063.27 Easting 497703.52 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 23.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1 inch

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 20

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.8 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.8 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 20

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	7.7 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9667
2	9	7.7 ft.	In	VCP	C	8 in.		S	S	GR	CO 96069
3	12	7.7 ft.	In	VCP	C	8 in.		S	S	GR	AMH 8864
4	3	3.6 ft.	In	VCP	C	4 in.		S	S	GR	AMOH

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp %	In1	In2	Fr	To	ImRef	Remarks
4.9 ft.		WI	IS						12	12		
5.9 ft.		WI	IW						5	10		

Sheet No. 21 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 09:14
Drainage Area Location (No. & Name) DEN HELDER AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 9667.1 212 DEN HELDER AVE Inspection Level Level 2
Outgoing Rim to Invert 6.5 ft. Outgoing Grade to Invert 6.5 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9667.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1164007.48 Easting 497529.00 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 21

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.0 in.

Chimney Depth: 0.5 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.5 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 21

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.5 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9027
2	9	6.5 ft.	In	VCP	C	8 in.		S	S	GR	CO 96066
3	12	6.5 ft.	In	VCP	C	8 in.		D	S	GR	CO 96068
4	3	6.5 ft.	In	VCP	C	8 in.		D	S	GR	AMH 9668

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.0 ft.		COI	IS							12	12		
3.9 ft.		WI	IW							9			
5.3 ft.		WI	IW							6	12		

Sheet No. 22 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 09:53
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9027.1 213 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 5.2 ft. Outgoing Grade to Invert 5.2 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9027.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163860.85 Easting 497614.00 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 22

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.3 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 1.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 22

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.2 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9018
2	9	5.2 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9667
3	3	4.4 ft.	In	VCP	C	4 in.		S	S	GR	AMOH

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.8 ft.		WI	IW							6	3		

Sheet No. 23 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 10:23
Drainage Area Location (No. & Name) HOLLAND ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9022.1 305 HOLLAND ST Inspection Level Level 2
Outgoing Rim to Invert 9.6 ft. Outgoing Grade to Invert 8.6 ft. Rim to Grade 1.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9022.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Dry
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163928.01 Easting 497825.36 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 23

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 5.3 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 23

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HOLLAND ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	9.6 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9024
2	10	4.2 ft.	In	VCP	C	6 in.		S	S	GR	AMOH
3	12	4.2 ft.	In	VCP	C	6 in.		S	S	GR	AMOH
4	4	9.6 ft.	In	VCP	C	8 in.		S	S	GR	CO 96063

MACP Survey Report 9024

Report Date 2012/05/18

Sheet No. 24 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
 System Owner COLONY COVE Survey Customer COLONY COVE Time 10:53
 Drainage Area Location (No. & Name) HAGUE DR
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 9024.1 316 HAGUE DR Inspection Level Level 2
 Outgoing Rim to Invert 6.4 ft. Outgoing Grade to Invert 6.4 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9024.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
 Location Code Yard Potential for Runoff None Evidence of Surcharge No
 Access Point Type Manhole Coordinate System US STATE
 PLANE1983 (NAD
 1983)
 Northing 1163813.59 Easting 497928.47 Elevation Accuracy of GPS
 Inspection Status Remote Inspection
 Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 23.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 24

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HAGUE DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 24.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 26.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 49 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.3 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 24

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HAGUE DR

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.4 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9025
2	9	6.4 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9022
3	3	6.4 ft.	In	VCP	C	6 in.		S	S	GR	CO EOL 9015

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.9 ft.		WI	IS							12	12		

Sheet No. 25 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 11:18
Drainage Area Location (No. & Name) S UTRECHT ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9026.1 213 S UTRECHT ST Inspection Level Level 2
Outgoing Rim to Invert 5.2 ft. Outgoing Grade to Invert 4.7 ft. Rim to Grade 0.4 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9026.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge Yes
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163687.30 Easting 497764.87 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 25

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) S UTRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.8 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.6 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.9 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 25

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) S UTRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.2 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9082
2	8	4.5 ft.	In	VCP	C	6 in.		S	S	GR	AMOH
3	12	5.2 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9025

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.4 ft.		WI	IS							12	12		

Sheet No. 26 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 11:38
Drainage Area Location (No. & Name) HERLEEN ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9025.1 316 HERLEEN ST Inspection Level Level 2
Outgoing Rim to Invert 5.0 ft. Outgoing Grade to Invert 5.0 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9026.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163718.32 Easting 497928.47 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in.

Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 26

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.9 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete

Channel Type: Formed

Channel Exposure: Fully Opened

Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 26

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dirac	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.0 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 9026
2	12	5.0 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9024
3	2	4.9 ft.	In	VCP	C	8 in.		S	S	GR	AMH 96062

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.0 ft.		WI	IS							12	12		

Sheet No. 27 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 12:05
Drainage Area Location (No. & Name) DEN HELDER AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 96062.1 332 DEN HELDER AVE Inspection Level Level 2
Outgoing Rim to Invert 2.8 ft. Outgoing Grade to Invert 2.8 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 96062.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163562.97 Easting 498106.14 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1 inch

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|---|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 27

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening:

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner:

Exterior Chimney Coating/Liner:

Chimney I/I:

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner:

Interior Cone Coating/Liner:

Cone Depth: 1.1 ft.

Cone Material: Brick

Wall

Wall Diameter 1:

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.5 ft.

Interior Wall Coating/Liner:

Exterior Wall Coating/Liner:

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner:

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 27

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	2.8 ft.	Out	VCP	C	8 in.		D	D	GR	AMH9025
2	12	2.8 ft.	In	VCP	C	8 in.		D	D	GR	AMH11125B

Sheet No. 28 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 12:34
Drainage Area Location (No. & Name) DEN HELDER AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 11125B.1 332 DEN HELDER AVE Inspection Level Level 2
Outgoing Rim to Invert 2.8 ft. Outgoing Grade to Invert 2.8 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 11125B.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163586.19 Easting 498202.12 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 28

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 3 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.8 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 1.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 38 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 28

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	2.8 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 96062
2	10	2.6 ft.	In	VCP	C	6 in.		S	S	GR	AMOH
3	12	2.8 ft.	In	VCP	C	8 in.		S	S	GR	AMH 11124

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp %	In1	In2	Fr	To	ImRef	Remarks
1.7 ft.		WI	RTJ		J	0			12			

Sheet No. 29 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 13:17
Drainage Area Location (No. & Name) DEN HELDER AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 11124.1 336 DEN HELDER AVE Inspection Level Level 2
Outgoing Rim to Invert 2.8 ft. Outgoing Grade to Invert 2.8 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 11124.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163667.07 Easting 498308.61 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 29

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 7 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 1.1 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 38 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Vitrified Clay
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 29

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) DEN HELDER AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Cik Rim to		Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
	Pos	Invert									
1	6	2.8 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 11125B
2	12	2.8 ft.	In	VCP	C	8 in.		S	S	GR	AMH 96074
3	1	2.2 ft.	In	PVC	C	4 in.		S	S	FM	UNKNOWN

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
1.1 ft.		COI	MB							12			
1.1 ft.		COI	MB							2			
1.1 ft.		COI	DB							3			
1.7 ft.		WI	MB							12			
1.8 ft.		WI	DB							1			

Sheet No. 30 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 13:59
Drainage Area Location (No. & Name) ALKMAAR ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 96074.1 333 ALKMAAR ST Inspection Level Level 2
Outgoing Rim to Invert 3.2 ft. Outgoing Grade to Invert 3.2 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 96074.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Damp
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163861.52 Easting 498331.69 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in.

Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 30

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ALKMAAR ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 1.8 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 0.2 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 30

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ALKMAAR ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	3.2 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 11124
2	10	3.2 ft.	In	VCP	C	8 in.		S	S	GR	CO 96064
3	12	3.2 ft.	In	VCP	C	8 in.		S	S	GR	CO 96075

Sheet No. 31 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 14:23
Drainage Area Location (No. & Name) HERLEEN AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 9018.1 200 HERLEEN AVE Inspection Level Level 2
Outgoing Rim to Invert 6.2 ft. Outgoing Grade to Invert 6.2 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9018.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Dry
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163683.62 Easting 497295.91 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 31

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: Infil Weeper

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.5 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.6 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 31

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.2 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9017
2	11	4.4 ft.	In	VCP	C	6 in.		D	S	GR	AMOH
3	3	6.2 ft.	In	VCP	C	8 in.		D	S	GR	AMH 9027

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
2.5 ft.		COI	IS							7	12		
3.0 ft.		WI	IS							12	12		

Sheet No. 32 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 14:48
Drainage Area Location (No. & Name) N UTRECHT ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9017.1 201 N UTRECHT ST Inspection Level Level 2
Outgoing Rim to Invert 6.2 ft. Outgoing Grade to Invert 5.8 ft. Rim to Grade 0.5 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9017.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 2012/05/17 Weather Dry
Location Code Yard Potential for Runoff None Evidence of Surcharge No
Access Point Type Manhole Coordinate System US STATE
PLANE1983 (NAD
1983)
Northing 1163532.57 Easting 497397.47 Elevation Accuracy of GPS
Inspection Status Remote Inspection
Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 32

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) N UTRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 28.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.2 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.7 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Vitrified Clay
Channel Type: Pipe
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 32

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) N UTRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.2 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9082
2	12	6.2 ft.	In	VCP	C	8 in.		D	S	GR	AMH 9018
3	3	6.2 ft.	In	VCP	C	6 in.		S	S	GR	CO 96065

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.3 ft.		WI	IW							9	10		

Sheet No. 33 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
 System Owner COLONY COVE Survey Customer COLONY COVE Time 15:15
 Drainage Area Location (No. & Name) S UTRECHT ST
 P.O. No. Locality/City Name ELLENTON
 Further Location Details 9082.1 202 S UTRECHT ST Inspection Level Level 2
 Outgoing Rlm to Invert 6.8 ft. Outgoing Grade to Invert 6.8 ft. Rim to Grade 0.0 ft.
 Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9082.1
 Purpose Routine assessment Sewer Category
 Pre-Cleaning Jetting Date Cleaned 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 (NAD
 1983)
 Northing 1163452.33 Easting 497461.09 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☒ Grass/Dirt ☐ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 23.5 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: <= 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Rocks/Wobbles

of Vent Holes: 1

Cover Type

☐ Solid ☐ Bolted
☒ Vented/Slots ☐ Locking
☐ Gasketed ☐ Inner Cover
☐ Hatch Single ☐ Lamphole
☐ Hatch Double

Cover Condition

☒ Sound ☐ Missing
☐ Cracked ☐ Corroded/Pitted
☐ Broken ☐ Bolts Missing
☐ Restraint Missing
☐ Restraint Defective

Cover Insert

Cover Insert Type: None

Cover Insert Condition

☐ Sound ☐ Leaking
☐ Poorly Fitting ☐ Corroded
☐ Cracked/Torn/Holes ☐ Insert Fell

Sheet No. 33

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) S UTRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.5 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 3.0 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 33

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) S UTRECHT ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.8 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 22875
2	9	4.9 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9017
3	12	6.8 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9026
4	3	6.8 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9016

Sheet No. 34 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 15:37
Drainage Area Location (No. & Name) ENDHOVEN ST
P.O. No. Locality/City Name ELLENTON
Further Location Details 9016.1 223 ENDHOVEN 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 Laid Year Rehabilitated Tape/Media Number 9016.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 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 (NAD
1983)
Northing 1163452.33 Easting 497510.81 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: <= 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 34

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ENDOHOVEN ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 7 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.2 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 3.0 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 45 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.7 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Vitrified Clay
Channel Type: Pipe
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 34

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) ENDHOVEN ST

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Dir	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	6.8 ft.	Out	VCP	C	8 in.		D	S	GR	AMH 9082
2	9	6.8 ft.	In	VCP	C	6 in.		D	S	GR	CO 9021
3	12	6.8 ft.	In	VCP	C	8 in.		D	S	GR	CO 96077

Observations

Distance	Vid Ref	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	ImRef	Remarks
3.3 ft.		WI	IS							12	12		

Sheet No. 35 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 16:00
Drainage Area Location (No. & Name) HERLEEN AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 22875.1 206 HERLEEN AVE Inspection Level Level 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 Laid Year Rehabilitated Tape/Media Number 9016.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 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 (NAD
1983)
Northing 1163387.77 Easting 497377.53 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☒ Grass/Dirt ☐ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in. Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter:

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes:

Cover Type

- | | |
|---|--------------------------------------|
| ☒ Solid | ☐ Bolted |
| ☐ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 35

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 1.0 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|----------------------------------|--|
| ☐ Sound | ☐ Missing |
| ☐ Cracked | ☒ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 24.0 in.

Chimney Depth: 0.5 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: Infil Weeper

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.7 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 46 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 2.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Concrete
Channel Type: Formed
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 35

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) HERLEEN AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

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

Sheet No. 36 Surveyor's name TIM Certificate Number U-307-1521 Date 2012/05/17
System Owner COLONY COVE Survey Customer COLONY COVE Time 16:21
Drainage Area Location (No. & Name) AMELO AVE
P.O. No. Locality/City Name ELLENTON
Further Location Details 9029.1 214 AMELO AVE Inspection Level Level 2
Outgoing Rim to Invert 5.4 ft. Outgoing Grade to Invert 5.4 ft. Rim to Grade 0.0 ft.
Use of Sewer Sanitary Year Laid Year Rehabilitated Tape/Media Number 9029.1
Purpose Routine assessment Sewer Category
Pre-Cleaning Jetting Date Cleaned 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 (NAD
1983)
Northing 1163293.12 Easting 497239.82 Elevation Accuracy of GPS

Inspection Status Remote Inspection

Additional Information

Manhole Surface Types

Concrete Pavement ☐ Concrete Collar ☐ Asphalt ☐ Grass/Dirt ☒ Gravel ☐ Other ☐

Cover

Cover Shape: Circular

Cover Size: 24.0 in.

Cover Size Width:

Cover Material: Cast Iron

Vent Hole Diameter: > 1/2

Cover Bearing Surface Diameter: 24.0 in.

Cover Bearing Surface Diameter Width:

Cover Frame Fit: Good

of Vent Holes: 1

Cover Type

- | | |
|--|--------------------------------------|
| ☐ Solid | ☐ Bolted |
| ☒ Vented/Slots | ☐ Locking |
| ☐ Gasketed | ☐ Inner Cover |
| ☐ Hatch Single | ☐ Lamphole |
| ☐ Hatch Double | |

Cover Condition

- | | |
|--|--|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted |
| ☐ Broken | ☐ Bolts Missing |
| ☐ Restraint Missing | |
| ☐ Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| ☐ Sound | ☐ Leaking |
| ☐ Poorly Fitting | ☐ Corroded |
| ☐ Cracked/Torn/Holes | ☐ Insert Fell |

Sheet No. 36

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) AMELO AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Adjustment Ring

MH Adjustment Ring Type: None

MH Adjustment Ring Material:

MH Adjustment Ring Height:

MH Adjustment Ring

- | | |
|----------------------------------|---|
| ☐ Sound | ☐ Corroded/Pitted/Worn |
| ☐ Cracked | ☐ Leaking |
| ☐ Broken | ☐ Poor Installation |

Frame

Frame Material: Cast Iron

Frame Bearing Surface Width: 0.5 in.

Frame Bearing Surface Depth: 0.5 in.

Frame Clear Opening Diameter: 23.0 in.

Frame Condition

- | | |
|---|---|
| ☒ Sound | ☐ Missing |
| ☐ Cracked | ☐ Corroded/Pitted/Worn |
| ☐ Broken | ☐ Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| ☒ Sound | ☐ Loose/Not Attached |
| ☐ Cracked | ☐ Offset |
| ☐ Missing | |

Chimney

Chimney Material 1: Brick

Chimney Material 2:

Chimney Clear Opening: 25.0 in.

Chimney Depth: 0.5 ft.

Interior Chimney Coating/Liner: None - No Coating

Exterior Chimney Coating/Liner: None - No Coating

Chimney I/I: None

Cone

Cone Type: Conical centered

Exterior Cone Coating/Liner: None - No Coating

Interior Cone Coating/Liner: None - No Coating

Cone Depth: 2.9 ft.

Cone Material: Brick

Wall

Wall Diameter 1: 48 in.

Wall Diameter 2:

Wall Material: Brick

Wall Depth: 1.5 ft.

Interior Wall Coating/Liner: None - No Coating

Exterior Wall Coating/Liner: None - No Coating

Bench

Bench Present?: Yes

Bench Material: Concrete

Bench Coating/Liner: None - No Coating

Channel/Step**Channel**

Channel Material: Vitrified Clay
Channel Type: Pipe
Channel Exposure: Fully Opened
Channel Installed Yes

Step

Steps: 0

Step Material:

Sheet No. 36

Survey Date 2012/05/17

P.O. No.

Location (No. & Name) AMELO AVE

Inspection Level Level 2

Locality/City Name ELLENTON

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Cond	Connects to Access Point ID
1	6	5.4 ft.	Out	VCP	C	8 in.		S	S	GR	AMH 22875
2	9	5.3 ft.	In	VCP	C	6 in.		S	S	GR	CO96060
3	12	5.4 ft.	In	VCP	C	8 in.		S	S	GR	AMH 9031
4	3	5.3 ft.	In	VCP	C	6 in.		S	S	GR	CO9608

**J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 1 of 8, Setups 1-9,**

Setup 1 - 9 DVS PACP Tabular Inspections
Setup 1 - 9 DVS PACP Graphic Inspections
Setup 1 - 9 Reports
Setup 1 - 9 Still shots

**J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 2 of 8, Setups 10-17,**

Setup 10 - 17 DVS PACP Tabular Inspections
Setup 10 - 17 DVS PACP Graphic Inspections
Setup 10 - 17 Reports
Setup 10 - 17 Still shots

**J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 3 of 8, Setups 18-22,**

Setup 18 - 22 DVS PACP Tabular Inspections
Setup 18 - 22 DVS PACP Graphic Inspections
Setup 18 - 22 Reports
Setup 18 - 22 Still shots

**J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 4 of 8, Setups 23-36,**

Setup 23 - 36 DVS PACP Tabular Inspections
Setup 23 - 36 DVS PACP Graphic Inspections
Setup 23 - 36 Reports
Setup 23 - 36 Still shots

**J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 5 of 8, Setups 37-50,**

Setup 37 - 50 DVS PACP Tabular Inspections
Setup 37 - 50 DVS PACP Graphic Inspections
Setup 37 - 50 Reports
Setup 37 - 50 Still shots

J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 6 of 8, Setups 51-58,

Setup 51 - 58 DVS PACP Tabular Inspections
Setup 51 - 58 DVS PACP Graphic Inspections
Setup 51 - 58 Reports
Setup 51 - 58 Still shots

J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 7 of 8, Setups 59-66,

Setup 59 - 66 DVS PACP Tabular Inspections
Setup 59 - 66 DVS PACP Graphic Inspections
Setup 59 - 66 Reports
Setup 59 - 66 Still shots

J.T.V., Inc. / Manatee County Public Works - Project
Management Division. Sanitary Sewer Inspections
Blanket# P0802958, RO#B1201795
Colony Cove Phase 1 & 2, 3/28/12 & 5/01/12
DVS 8 of 8, Setups 67,

Setup 67 DVS PACP Tabular Inspections
Setup 67 DVS PACP Graphic Inspections
Setup 67 Reports
Setup 67 Still shots

CCTV Surveys List for COLONY COVE INITIAL CCTV SANITARY 2012

Number of surveys in this list is 67 as of Monday, May 21, 2012

Unit of measure: ft

Setup	Date	Street	Start MH	Finish MH	Dir	Size inch	Pre Clean	Media Number	Scheduled Length	Surveyed Length
1	3/28/2012	HOLLAND ST	9037 (1-3-5A)	9033 (1-3-5)	U	8	J	9033.1	174.2	174.2
2	3/28/2012	HOLLAND ST	9036 (1-3-4)	9037 (1-3-5A)	U	8	J	9037.1	123.1	123.1
3	3/28/2012	HOLLAND ST	9036 (1-3-4)	9035 (1-3-1)	D	8	J	9036.1	103.4	103.4
4	3/28/2012	HOLLAND ST	9036 (1-3-4)	9034 (1-3-8)	U	8	J	9034.1	114.6	114.6
5	3/28/2012	EMDEN WAY	9034 (1-3-8)	9042 (1-3-9)	U	8	J	9042.1	181.0	169.8
6	3/28/2012	EMDEN WAY	9042 (1-3-9)	9034 (1-3-8)	D	8	J	9042.1	181.0	10.2
7	3/29/2012	HOLLAND ST	9040 (1-3-1C)	9035 (1-3-1)	U	8	J	9035.1	142.5	142.5
8	3/29/2012	HOLLAND ST	9040 (1-3-1C)	9028 (1-3-8)	D	8	J	9040.1	287.9	287.9
9	3/29/2012	DENMARK DR.	11845 (1-3-10)	9028(1-3-8)	D	8	J	11845.1	174.6	174.6
10	3/29/2012	DENMARK DR.	10419(1-6)	11066(1-7)	U	8	J	11066.1	374.6	374.6
11	3/29/2012	ROTTERDAM AVE	10419(1-6)	11064(1-6-1)	U	8	J	11064.1	183.9	183.9
12	4/2/2012	DENMARK DR.	10419(1-6)	104198(1-5)	D	8	J	10419.1	102.9	102.9
13	4/2/2012	DENMARK DR.	104198(1-5)	11847	D	8	J	104198.1	443.0	276.0
14	4/2/2012	DENMARK DR.	11847	104198(1-5)	U	8	J	104198.1	443.0	69.1
15	4/2/2012	DENMARK DR.	11847	9028 (1-3-8)	U	8	J	9028.1	69.0	69.0
16	4/2/2012	DENMARK DR.	11847	9031 (1-2-A)	D	8	J	11847.1	63.8	63.8
17	4/3/2012	ALKMAAR ST.	8864 (1-11-1)	8863 (1-11-2)	U	8	J	8863.1	163.8	163.9
18	4/3/2012	DORDRECHT ST	9668 (1-1-10)	CO 96069(1-1-10-1)	U	8	J	CO 96070.1	332.4	332.4
19	4/4/2012	DEN HELDER AVE	9667 (1-1-8)	9668 (1-1-10)	U	8	J	9668.1	183.2	183.2
20	4/4/2012	HOLLAND ST	9668 (1-1-10)	8864 (1-11-1)	U	8	J	8864.1	294.7	294.7
21	4/16/2012	DEN HELDER AVE	9667 (1-1-8)	CO 96068 (1-1-9)	U	8	J	CO 96068.1	250.4	250.4
22	4/4/2012	HOLLAND ST	9667 (1-1-8)	CO 96066	U	8	J	CO 96066.1	277.9	277.9
23	4/4/2012	HOLLAND ST	9667 (1-1-8)	9027 (1-1-7)	D	8	J	9667.1	166.6	166.6
24	4/9/2012	HOLLAND ST	9018 (1-1-6)	9027 (1-1-7)	U	8	J	9027.1	362.1	362.1
25	4/9/2012	HERLEEN ST	9018 (1-1-6)	9017 (1-1-4)	D	8	J	9018.1	181.4	181.4
26	4/9/2012	N. UTRECHT ST	9017 (1-1-4)	9082 (1-1-1)	D	8	J	9017.1	103.8	103.8
27	4/9/2012	ENDHOVEN ST	9082 (1-1-1)	9016 (1-1-2)	U	8	J	9016.1	79.0	79.0

Setup	Date	Street	Start MH	Finish MH	Dir	Size inch	Pre Clean	Media Number	Scheduled Length	Surveyed Length
28	4/16/2012	ENDHOVEN ST	9016 (1-1-2)	CO96077	U	8	J	CO96077.1	110.6	110.6
29	4/10/2012	HAGUE DR	9022 (1-1-38)	CO96063 (1-1-40)	U	8	J	CO96063.1	280.5	280.5
30	4/10/2012	HAGUE DR	9024 (1-1-19))	9022 (1-1-38)	U	8	J	9022.1	155.8	155.8
31	4/10/2012	HAGUE DR	9024 (1-1-19)	9025 (1-1-18)	D	8	J	9024.1	121.6	121.6
32	4/11/2012	DEN HELDER AVE	11124 (1-1-26)	11125B	D	8	J	11124.1	139.8	139.8
33	4/11/2012	DEN HELDER AVE	11125B	96062 (1-1-24)	D	8	J	111258.1	98.0	73.1
34	4/12/2012	ALAKMAAR ST	96074 (1-1-25)	CO96075	U	8	J	CO96075.1	178.5	178.5
35	4/12/2012	ALAKMAAR ST	96074 (1-1-25)	11124 (1-1-26)	D	8	J	96074.1	190.3	190.3
36	4/13/2012	DEN HELDER AVE	96062 (1-1-24)	9025 (1-1-18)	D	8	J	96062.1	306.2	306.2
37	4/13/2012	DEN HELDER AVE	96062 (1-1-24)	11125B	U	8	J	111258.1	93.9	93.9
38	4/13/2012	DEN HELDER AVE	9025 (1-1-18)	9026 (1-1-16)	D	8	J	9025.1	91.5	91.5
39	4/13/2012	S UTRECHT ST	9082	9026	U	8	J	9026.1	385.0	385.0
40	4/16/2012	S UTRECHT ST	9082 (1-1-1)	22875 (1-1)	D	8	J	9082.1	109.5	109.5
41	4/16/2012	AMSTERDAM AVE	9031 (1-2-A)	9029 (1-1)	D	8	J	9031.1	110.0	76.8
42	4/16/2012	AMSTERDAM AVE	9029 (1-1)	9031 (1-2-A)	U	8	J	9031.1	110.0	15.6
43	4/16/2012	AMELO AVE	22875 (1-1)	9029 (1-1)	U	8	J	9029.1	165.4	165.4
44	4/16/2012	AMELO AVE	9029 (1-1)	CO96060	U	8	J	CO96060.1	137.9	137.9
45	4/17/2012	DENMARK DR	11066 (1-7)	1-8	U	8	J	1-8.1	199.7	199.7
46	4/17/2012	DENMARK DR	10421 (1-6-2)	CO 11846	U	6	J	CO 11846.1	136.1	136.6
47	4/17/2012	DENMARK DR	10421 (1-6-2)	11064 (1-6-1)	D	6	J	10421.1	204.6	204.6
48	4/18/2012	ROTTERDAM AVE	11064 (1-6-1)	CO 96085	U	6	J	CO96085.1	109.5	109.5
49	4/18/2012	AMSTERDAM AVE	9031 (1-2-A)	CO EOL 31 (1-2-1)	U	6	J	CO EOL31.1	395.0	395.0
50	4/20/2012	HOLLAND AVE	9033 (1-3-5)	CO9038 (1-3-6)	U	6	J	CO9038	248.1	248.1
51	4/20/2012	HOLLAND AVE	9033 (1-3-5)	CO 9039 (1-3-7)	U	6	J	CO9039.1	185.9	185.9
52	4/20/2012	HOLLAND ST	9037 (1-3-5A)	CO96088	U	6	J	CO96088.1	185.7	185.7
53	4/20/2012	ROTTERDAM AVE	9034 (1-3-8)	CO96089	U	6	J	CO96089.1	199.1	199.1
54	4/26/2012	EMDEN WAY	9042 (1-3-9)	CO69136 (1-3-10)	U	6	J	CO69136.1	256.6	256.6
55	4/26/2012	DENMARK DR.	11845 (1-3-10)	CO96086	U	6	J	CO96086.1	97.0	97.0
56	4/26/2012	ALKMAAR ST	8863 (1-11-2)	CO96071 (1-11-2-1)	U	6	J	CO96071.1	297.1	297.1
57	4/27/2012	ALKMAAR ST.	8863 (1-11-2)	CO96072 (1-11-2-2)	U	6	J	CO96072.1	161.5	161.5

Setup	Date	Street	Start MH	Finish MH	Dir	Size inch	Pre Clean	Media Number	Scheduled Length	Surveyed Length
58	4/27/2012	ALKMAAR ST.	8865 (1-1-13)	CO EOL96070	U	6	J	CO96070.1	118.0	118.0
59	4/27/2012	ALKMAAR ST.	8865 (1-1-13)	8864 (1-11-1)	D	6	J	8865.1	170.9	170.9
60	4/27/2012	DORDRECHT ST	8865 (1-1-13)	CO96073	U	6	J	CO96073.1	132.5	132.6
61	4/27/2012	HERLEEN AVE	9017 (1-1-4)	CO96065	U	6	J	CO96065.1	40.9	40.9
62	4/27/2012	HERLEEN AVE	9016 (1-1-2)	CO9021	U	6	J	CO9021.1	238.3	238.3
63	4/30/2012	AMELO AVE	22875 (1-1)	CO96079	U	6	J	CO96079.1	92.8	92.8
64	4/30/2012	AMELO AVE	9029 (1-1)	CO96081	U	6	J	CO96081.1	139.7	139.7
65	4/30/2012	DEN HELDER AVE	9024 (1-1-19)	CO EOL 9015	U	6	J	CO9015.1	298.4	298.4
66	4/30/2012	AMELAND ST	CO96064	96074 (1-1-25)	D	6	J	CO96064.1	230.0	230.0
67	5/1/2012	AMELO AVE	22875 (1-1)	LS 517	D	8	J	22875.1	133.0	133.0
Total Scheduled Length									12,059.7	
Total Length Surveyed										11,738.0

Tabular Report of PSR 9033 (1-3-5) Y for COLONY COVE INITIAL CCTV SANITARY 201

Setup 1 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/28	Time 14:56	Street HOLLAND ST			
City ELLENTON	Further location details 9033.1 106 HOLLAND ST.					
Start 9037 (1-3-5A)	Rim to invert 7.00	Grade to invert	Rim to grade	Ft		
Finish 9033 (1-3-5)	Rim to invert 5.90	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control		Media No 9033.1		
Shape Circular	Height 8	Width	ins Preclean J	Year Cleaned 2012/03/28		
Material Vitrified Clay Pipe	Joint length	Ft	Total length 174.2	Ft	Length Surveyed 174.2	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat			Pressure		
Additional info NORTHWEST				Structural	O&M	Constructional
Location Easement/Right of Way				Miscellaneous	Hydraulic	
Project				Work Order		
Northing 1163763.77	Easting 496503.04	Elevation				
Coordinate System US STATE PLANE 1983 (NAD 1983)				GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9037 (1-3-5A)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163598.73/E. 496557.31
6.0			FM Fracture Multiple				01	03		
56.3			FL Fracture Longitudinal				09			
66.4			CL Crack Longitudinal				06			
71.3			FL Fracture Longitudinal				10			
76.4			CL Crack Longitudinal				09			
110.2			FM Fracture Multiple				04	07		
116.0			FM Fracture Multiple				06	09		
119.6			CL Crack Longitudinal				08			
120.8			CM Crack Multiple				03	04		
120.8			FL Fracture Longitudinal				06			
131.3			CL Crack Longitudinal				02			
135.8			CM Crack Multiple				05	07		
140.8			FL Fracture Longitudinal				08			
160.6			RFJ Roots Fine Joint				J	04		
174.2			MGO General Observation							N.1163763.77/E. 496503.04
174.2			AMH Manhole							9033 (1-3-5)
174.2			FH End of Survey							

174.2 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 38	Pipe Ratings Index 2.9	Peak 6	Mean Pipe 0.2
O&M:	Pipe Rating 1	Pipe Ratings Index 1	Peak 1	Mean Pipe 0

Tabular Report of PSR 9037 (1-3-5A)
Y
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 2 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/28	Time 10:30	Street HOLLAND ST
City ELLENTON	Further location details 9037.1 109 HOLLAND ST.		
Start 9036 (1-3-4)	Rim to invert 7.40	Grade to invert	Rim to grade Ft
Finish 9037 (1-3-5A)	Rim to invert 7.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9037.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 123.1	Ft Length Surveyed 123.1
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHWEST		Structural O&M Constructional Miscellaneous Hydraulic	
Location Easement/Right of Way		Work Order	
Project	Northing 1163598.73	Easting 496557.31	Elevation
Coordinate System US STATE PLANE1983 (NAD 1983)1		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9036 (1-3-4)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163503.49/E. 496634.92
13.1			TF Tap Factory	4.000			02			
17.7			FM Fracture Multiple				05	07		
18.6			CL Crack Longitudinal				04			
19.8			CL Crack Longitudinal				02			
21.6			TBI Tap Break-in Intruding	4.000	2.000		12			
21.6			FL Fracture Longitudinal				12			
23.1			FM Fracture Multiple				12	05		
23.1			CL Crack Longitudinal				10			
23.9			FM Fracture Multiple				12	04		
37.1			FL Fracture Longitudinal				09			
38.4			FM Fracture Multiple				02	08		
42.6			CL Crack Longitudinal				09			
43.6			CL Crack Longitudinal				08			
67.7			FL Fracture Longitudinal				05			
68.2			CL Crack Longitudinal				06			
70.0			TF Tap Factory	4.000			10			
72.1			TF Tap Factory	4.000			02			
75.6			FL Fracture Longitudinal				03			
77.4			FL Fracture Longitudinal				03			
91.0			CL Crack Longitudinal				10			W/INFIL
102.1			FL Fracture Longitudinal				04			
107.2			CL Crack Longitudinal				03			
107.2			IW Infil Weeper				03			
111.2			FL Fracture Longitudinal				04			
112.4			FL Fracture Longitudinal				04			
123.1			MGO General Observation							N. 1163598.73/E. 496557.31
123.1			AMH Manhole							9037 (1-3-5A)

Tabular Report of PSR 9037 (1-3-5A) Y for COLONY COVE INITIAL CCTV SANITARY 201

Setup 2 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/28	Time 10:30	Street HOLLAND ST
City ELLENTON	Further location details 9037.1 109 HOLLAND ST.		
Start 9036 (1-3-4)	Rim to invert 7.40	Grade to invert	Rim to grade Ft
Finish 9037 (1-3-5A)	Rim to invert 7.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9037.1
Shape Circular	Height 8	Width ins	Preclean J Year Cleaned 2012/03/28
Material Vitrified Clay Pipe	Joint length Ft	Total length 123.1 Ft	Length Surveyed 123.1
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHWEST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163598.73	Easting 496557.31	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)1		GPS Accuracy	
Count Video	CD Code	In1	In2
123.1	FH End of Survey		
Remarks			

123.1 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 56	Pipe Ratings Index 2.8	Peak 6	Mean Pipe 0.5
O&M:	Pipe Rating 6	Pipe Ratings Index 1.2	Peak 4	Mean Pipe 0

Tabular Report of PSR 9036 (1-3-4)
Y
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 3
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/28	Time 2:06	Street HOLLAND ST			
City ELLENTON	Further location details 9036.1 115 HOLLAND ST.					
Start 9036 (1-3-4)	Rim to invert 7.40	Grade to invert	Rim to grade	Ft		
Finish 9035 (1-3-1)	Rim to invert 6.70	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No 9036.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/03/28		
Material Vitrified Clay Pipe	Joint length Ft	Total length 103.4	Ft	Length Surveyed 103.4		
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info SOUTHEAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project			Work Order			
Northing 1163503.49	Easting 496634.92	Elevation				
Coordinate System US STATE PLANE 1983 (NAD 1983)		GPS Accuracy				

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9036 (1-3-4)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163503.49/E. 496634.92
8.8			CM Crack Multiple				04	08		
10.4			FL Fracture Longitudinal				06			
12.1			CL Crack Longitudinal				09			
13.1			B Broken				04			
13.3			B Broken				10			
13.6			B Broken				08			
14.2			FM Fracture Multiple				05	12		
17.9			FM Fracture Multiple				04	08		
28.7			CL Crack Longitudinal				12			
37.4			FL Fracture Longitudinal				04			
38.1			FL Fracture Longitudinal				12			
43.9			FL Fracture Longitudinal				03			
44.7			TF Tap Factory	4.000			02			
46.7			TF Tap Factory	4.000			10			
57.6			FL Fracture Longitudinal				03			
57.6			FL Fracture Longitudinal				12			
67.4			CM Crack Multiple				10	02		
77.5			IW Infil Weeper				03			
81.1			FL Fracture Longitudinal				04			
82.6			FM Fracture Multiple				12	04		
87.0			FL Fracture Longitudinal				12			
87.7			IW Infil Weeper				12			
92.3			CL Crack Longitudinal				08			
103.4			MGO General Observation							N. 1163473.09/E. 496734.54
103.4			AMH Manhole							9035 (1-3-1)
103.4			FH End of Survey							

103.4 Ft Total Length Surveyed

Tabular Report of PSR 9036 (1-3-4) Y for COLONY COVE INITIAL CCTV SANITARY 201

Setup 3 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/28	Time 2:06	Street HOLLAND ST			
City ELLENTON	Further location details 9036.1 115 HOLLAND ST.					
Start 9036 (1-3-4)	Rim to invert 7.40	Grade to invert	Rim to grade	Ft		
Finish 9035 (1-3-1)	Rim to invert 6.70	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control		Media No 9036.1		
Shape Circular	Height 8	Width	ins Preclean J	Year Cleaned 2012/03/28		
Material Vitrified Clay Pipe	Joint length	Ft	Total length 103.4	Ft	Length Surveyed 103.4	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info SOUTHEAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project	Work Order					
Northing 1163503.49	Easting 496634.92	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)	GPS Accuracy					

Scores

Structural:	Pipe Rating 57	Pipe Ratings Index 3	Peak 6	Mean Pipe 0.6
O&M:	Pipe Rating 4	Pipe Ratings Index 1	Peak 2	Mean Pipe 0

Tabular Report of PSR 9034 (1-3-8)
Y
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 4
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/28	Time 3:04	Street HOLLAND ST			
City ELLENTON	Further location details 9034.1 205 HOLLAND ST.					
Start 9036 (1-3-4)	Rim to invert 7.40	Grade to invert	Rim to grade	Ft		
Finish 9034 (1-3-8)	Rim to invert 6.30	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control		Media No 9034.1		
Shape Circular	Height 8	Width	ins	Preclean J	Year Cleaned 2012/03/28	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 114.6	Ft	Length Surveyed 114.6	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info SOUTHWEST				Structural	O&M	Constructional
Location Easement/Right of Way				Miscellaneous	Hydraulic	
Project				Work Order		
Northing 1163412.36	Easting 496564.76	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy				

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9036 (1-3-4)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163503.49/E. 496634.92
7.6			IW Infil Weeper				12			
11.6			FL Fracture Longitudinal				07			
12.6			FL Fracture Longitudinal				03			
12.6			FM Fracture Multiple				10	04		
17.6			FM Fracture Multiple				04	09		
22.5			IW Infil Weeper				12			
27.7			IW Infil Weeper				12			
27.7			CL Crack Longitudinal				06			
32.5			IW Infil Weeper				10			
37.7			IW Infil Weeper				12			
47.4			IW Infil Weeper				12			
47.6			CM Crack Multiple				08	12		
48.5			FL Fracture Longitudinal				10			
50.9			IW Infil Weeper				10			
51.7			IW Infil Weeper				09			
62.3			IW Infil Weeper				12			
62.3			FL Fracture Longitudinal				06			
67.3			IW Infil Weeper				12			SOME SCALE
72.0			CM Crack Multiple				05	07		
77.3			IW Infil Weeper				04			
82.1			IW Infil Weeper				04	09		
87.2			FM Fracture Multiple				05	08		
88.4			CL Crack Longitudinal				04			W/INFIL
92.2			IW Infil Weeper				09			
114.6			MGO General Observation							N. 11463412.36/E. 496564.76
114.6			AMH Manhole							9034 (1-3-8)
114.6			FH End of Survey							

Tabular Report of PSR 9034 (1-3-8) Y for COLONY COVE INITIAL CCTV SANITARY 201

Setup 4 **Surveyor** TIM **Certificate #** U-307-1521 **System Owner** COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #		Date 2012/03/28	Time 3:04	Street HOLLAND ST	
City ELLENTON	Further location details 9034.1 205 HOLLAND ST.				
Start 9036 (1-3-4)	Rim to invert 7.40	Grade to invert	Rim to grade	Ft	
Finish 9034 (1-3-8)	Rim to invert 6.30	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No 9034.1		
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/03/28	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 114.6	Ft	Length Surveyed 114.6
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat			Pressure	
Additional info SOUTHWEST			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1163412.36	Easting 496564.76	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			

114.6 Ft **Total Length Surveyed**

Scores

Structural:	Pipe Rating 34	Pipe Ratings Index 3.1	Peak 7	Mean Pipe 0.3
O&M:	Pipe Rating 26	Pipe Ratings Index 2	Peak 2	Mean Pipe 0.2

Tabular Report of PSR 9042 (1-3-9)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 5
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #		Date 2012/03/28	Time 14:38	Street EMDEN WAY	
City ELLENTON		Further location details 9042.1 210 EMDEN WAY			
Start 9034 (1-3-8)		Rim to invert 6.30	Grade to invert	Rim to grade	Ft
Finish 9042 (1-3-9)		Rim to invert 4.60	Grade to invert	Rim to grade	Ft
Use Sanitary		Direction Up	Flow control	Media No 9042.1	
Shape Circular		Height 8	Width ins	Preclean J	Year Cleaned 2012/03/28
Material Vitrified Clay Pipe		Joint length	Ft	Total length 181.0	Ft Length Surveyed 170.0
Lining		Year laid	Year rehabilitated	Weather Dry	
Purpose		Cat		Pressure	
Additional info SOUTH				Structural	O&M
Location Easement/Right of Way				Miscellaneous	Hydraulic
Project				Work Order	
Northing 1163254.72		Easting 496654.91		Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9034 (1-3-8)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163412.36/E. 496734.54
2.0			FM Fracture Multiple				04	08		
9.5			IW Infil Weeper				12			
32.4			FL Fracture Longitudinal				12			
34.4			FL Fracture Longitudinal				10			
53.2			FL Fracture Longitudinal				04			
59.1			FL Fracture Longitudinal				03			
72.9			FM Fracture Multiple				04	08		
79.0			IW Infil Weeper				12			
93.8			IW Infil Weeper				08			
98.8			IW Infil Weeper				09			
103.8			IW Infil Weeper				12			
108.8			IW Infil Weeper				12			
113.8			IW Infil Weeper				12			
118.8			IW Infil Weeper				12			
122.9			FL Fracture Longitudinal				10			
123.7			FL Fracture Longitudinal				12			
123.8			IW Infil Weeper				12			
127.4			FL Fracture Longitudinal				10			W/INFIL
128.5			FL Fracture Longitudinal				01			
133.9			CL Crack Longitudinal				04			W/INFIL
138.8			CL Crack Longitudinal				09			
143.3			RFJ Roots Fine Joint			J	10	04		
148.8			IW Infil Weeper				09	03		
153.9			IW Infil Weeper				12			
168.3			IW Infil Weeper				12			
169.1			RMB Roots Medium Barrel			25	10			FROM CN
169.7			MSA Abandoned Survey							ROOT BALL

Tabular Report of PSR 9042 (1-3-9)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 5 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #	Date 2012/03/28	Time 14:38	Street EMDEN WAY		
City ELLENTON	Further location details 9042.1 210 EMDEN WAY				
Start 9034 (1-3-8)	Rim to invert 6.30	Grade to invert	Rim to grade	Ft	
Finish 9042 (1-3-9)	Rim to invert 4.60	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No 9042.1		
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/03/28	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 181.0	Ft	Length Surveyed 170.0
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat	Pressure			
Additional info SOUTH			Structural O&M Constructional		
Location Easement/Right of Way			Miscellaneous Hydraulic		
Project			Work Order		
Northing 1163254.72	Easting 496654.91	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			
Count Video	CD Code	In1	In2	% JntFr To ImRef	Remarks
169.8	TF Tap Factory	4.000		10	

169.8 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 36	Pipe Ratings Index 3	Peak 4	Mean Pipe 0.2
O&M:	Pipe Rating 29	Pipe Ratings Index 1.9	Peak 4	Mean Pipe 0.2

Notes

LINE WAS ROOT CUT
 REVERSE SETUP ON SHEET 6
 WONT PRINT AS ONE SHEET DUE TO SHEET 6 WAS DELETED AND REDONE

Tabular Report of PSR 9042 (1-3-9)
Y
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 6
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/28	Time 15:15	Street EMDEN WAY			
City ELLENTON	Further location details 9042.1 210 EMDEN WAY					
Start 9042 (1-3-9)	Rim to invert 4.60	Grade to invert	Rim to grade	Ft		
Finish 9034 (1-3-8)	Rim to invert 6.30	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No 9042.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/03/28		
Material Vitrified Clay Pipe	Joint length Ft	Total length 181.0 Ft	Length Surveyed 10.2			
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info Reverse set up on sheet:5			Structural Miscellaneous O&M Hydraulic Constructional			
Location Easement/Right of Way						
Project			Work Order			
Northing 1163144.63	Easting 496654.91	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9042 (1-3-9)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163144.63/E.496654.91
3.0			IW Infil Weeper				12			
10.2			TFD Tap Factory Defective	4.000			02			90% BLOCKED W/ ROOTS AND D
10.2			MGO General Observation							THIS IS AFTER ROOT CUTTING M
10.2			AMH Manhole							9034 (1-3-8)
10.2			FH End of Survey							

10.2 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 0	Pipe Ratings Index 0	Peak 0	Mean Pipe 0
O&M:	Pipe Rating 4	Pipe Ratings Index 2	Peak 2	Mean Pipe 0.4

Notes

LINE WAS ROOT CUT
 REVERSE SETUP TO SHEET 5
 WONT PRINT AS ONE SHEET DUE TO SHEET 6 WAS DELETED AND REDONE

Tabular Report of PSR 9035 (1-3-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 7 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/29	Time 9:36	Street HOLLAND ST
City ELLENTON	Further location details 9035.1 117 HOLLAND ST.		
Start 9040 (1-3-1C)	Rim to invert 7.60	Grade to invert	Rim to grade Ft
Finish 9035 (1-3-1)	Rim to invert 6.70	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9035.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 142.5 Ft	Length Surveyed 142.5
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info EAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163473.09	Easting 496734.54	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9035 (1-3-1)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 116493.16/E. 495875.42
11.0			IW Infil Weeper				03			
15.9			IW Infil Weeper				12			
30.9			IW Infil Weeper				12			
35.9			IW Infil Weeper				12			
37.7			TF Tap Factory	4.000			02			
52.8			IW Infil Weeper				09			
67.6			IW Infil Weeper				09			
82.5			FL Fracture Longitudinal				05			
101.2			FL Fracture Longitudinal				07			
101.7			FL Fracture Longitudinal				03			
112.1			IW Infil Weeper				04			
118.9			TF Tap Factory	4.000			02			
120.8			TF Tap Factory	4.000			10			
126.1			IW Infil Weeper				03			
130.4			FL Fracture Longitudinal				03			
142.5			MGO General Observation							N.1163473.09/E. 496734.54
142.5			AMH Manhole							9035 (1-3-1)
142.5			FH End of Survey							

142.5 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 12	Pipe Ratings Index 3	Peak 3	Mean Pipe 0.1
O&M:	Pipe Rating 16	Pipe Ratings Index 1.5	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 9040 (1-3-1C)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 8
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/29	Time 10:15	Street HOLLAND ST			
City ELLENTON	Further location details 9040.1 202 HOLLAND ST.					
Start 9040 (1-3-1C)	Rim to invert 7.60	Grade to invert	Rim to grade	Ft		
Finish 9028 (1-3-B)	Rim to invert 5.70	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No 9040.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/03/29		
Material Vitrified Clay Pipe	Joint length Ft	Total length 287.9 Ft	Length Surveyed 287.9			
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info SOUTH			Structural O&M Constructional Miscellaneous Hydraulic			
Location Easement/Right of Way			Work Order			
Project	Northing 1163493.16	Easting 496875.42	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9040 (1-3-1C)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163493.16/E. 495875.42
1.0			FC Fracture Circumferential				12	09		
6.5			FM Fracture Multiple				06	10		
20.9			MMC Material change							FROM VCP TO PVC
25.2			TF Tap Factory	6.000			02			
26.1			MMC Material change							FROM PVC TO VCP
20.5			IW Infil Weeper				09			
60.7			IW Infil Weeper				12			
65.5			IW Infil Weeper				12			
70.5			IW Infil Weeper				12			
77.9			MMC Material change							FROM VCP TO PVC
81.8			TF Tap Factory	6.000			12			
85.0			MMC Material change							FROM PVC TO VCP
94.6			IW Infil Weeper				09			
99.6			IW Infil Weeper				12			
104.6			IW Infil Weeper				12			
109.4			IW Infil Weeper				12			
140.2			TF Tap Factory	4.000			10			
142.4			TF Tap Factory	4.000			02			CAPPED
188.4			CL Crack Longitudinal				10			
198.0			CM Crack Multiple				03	09		
199.1			TF Tap Factory	4.000			10			CAPPED
201.3			TF Tap Factory	4.000			02			
201.5			FM Fracture Multiple				03	08		
216.4			FL Fracture Longitudinal				08			
217.3			FL Fracture Longitudinal				08			
217.3			FL Fracture Longitudinal				06			
221.6			FC Fracture Circumferential				07	09		

Tabular Report of PSR 9040 (1-3-1C) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 8 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/29	Time 10:15	Street HOLLAND ST
City ELLENTON	Further location details 9040.1 202 HOLLAND ST.		
Start 9040 (1-3-1C)	Rim to invert 7.60	Grade to invert	Rim to grade Ft
Finish 9028 (1-3-B)	Rim to invert 5.70	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 9040.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 287.9 Ft	Length Surveyed 287.9
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat		Pressure
Additional info SOUTH		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163493.16	Easting 496875.42	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
			Remarks
227.0	FL Fracture Longitudinal		03
227.1	IW Infil Weeper		09
227.1	IW Infil Weeper		03
231.7	FL Fracture Longitudinal		04
236.8	CL Crack Longitudinal		09
237.4	IW Infil Weeper		09
238.6	FL Fracture Longitudinal		08
240.8	FL Fracture Longitudinal		04
241.8	FM Fracture Multiple		12 12
243.2	IW Infil Weeper		10
254.7	MMC Material change		FROM VCP TO PVC
258.5	TF Tap Factory	6.000	12
261.7	MMC Material change		FROM PVC TO VCP
266.0	IW Infil Weeper		12
266.0	RFJ Roots Fine Joint		J 12
269.3	FL Fracture Longitudinal		09
270.1	IW Infil Weeper		09
274.9	FL Fracture Longitudinal		10
276.0	IW Infil Weeper		10
279.7	FL Fracture Longitudinal		08
281.1	FM Fracture Multiple		03 09
285.8	FM Fracture Multiple		03 09
287.9	MGO General Observation		N. 1163243.03/E.497017.13
287.9	AMH Manhole		9028 (1-3-8)
287.9	FH End of Survey		

287.9 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 61	Pipe Ratings Index 3.1	Peak 6	Mean Pipe 0.2
O&M:	Pipe Rating 31	Pipe Ratings Index 1.3	Peak 4	Mean Pipe 0.1

Tabular Report of PSR 11845 (1-3-10) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 9 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/29	Time 11:54	Street DENMARK DR.
City ELLENTON	Further location details 11845.1 212 DENMARK DR.		
Start 11845 (1-3-10)	Rim to invert 6.70	Grade to invert	Rim to grade Ft
Finish 9028(1-3-B)	Rim to invert 5.70	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 11845.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length	Ft	Total length 174.6 Ft
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163144.63	Easting 496873.16	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							11845 (1-3-10)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1163144/E. 496873.16
7.0			RFJ Roots Fine Joint				J	10	03	
42.2			IW Infil Weeper					12		
47.4			IW Infil Weeper					12		
52.2			IW Infil Weeper					12		
62.4			IW Infil Weeper					12		
77.2			IW Infil Weeper					02		
82.2			FL Fracture Longitudinal					02		
82.2			CL Crack Longitudinal					09		
85.5			FL Fracture Longitudinal					12		
86.7			IW Infil Weeper					11		
86.7			FL Fracture Longitudinal					10		
87.3			FL Fracture Longitudinal					02		
102.4			IW Infil Weeper					11		
107.1			CL Crack Longitudinal					07		
117.5			FM Fracture Multiple					03	08	
135.9			FL Fracture Longitudinal					11		
137.6			FL Fracture Longitudinal					10		
137.6			IW Infil Weeper					12		
147.5			FL Fracture Longitudinal					09		
147.8			FL Fracture Longitudinal					10		
157.6			IW Infil Weeper					03	09	
162.2			FL Fracture Longitudinal					03		
171.7			FC Fracture Circumferential					04	10	
174.6			MGO General Observation							N. 1163243.03/E. 497017.13
174.6			AMH Manhole							9028(1-3-8)
174.6			FH End of Survey							

174.6 Ft Total Length Surveyed

Tabular Report of PSR 11845 (1-3-10) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 9 **Surveyor** TIM **Certificate #** U-307-1521 **System Owner** COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/29	Time 11:54	Street DENMARK DR.			
City ELLENTON	Further location details 11845.1 212 DENMARK DR.					
Start 11845 (1-3-10)	Rim to invert 6.70	Grade to invert	Rim to grade	Ft		
Finish 9028(1-3-B)	Rim to invert 5.70	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control		Media No	11845.1	
Shape Circular	Height 8	Width	ins	Preclean J	Year Cleaned	2012/03/29
Material Vitrified Clay Pipe	Joint length	Ft	Total length 174.6	Ft	Length Surveyed	174.6
Lining	Year laid	Year rehabilitated	Weather	Dry		
Purpose	Cat	Pressure				
Additional info NORTHEAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project	Work Order					
Northing 1163144.63	Easting 496873.16	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)	GPS Accuracy					

Scores

Structural:	Pipe Rating 37	Pipe Ratings Index 2.8	Peak 5	Mean Pipe 0.2
O&M:	Pipe Rating 19	Pipe Ratings Index 1.9	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 11066(1-7)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 10
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/03/29	Time 13:10	Street DENMARK DR.			
City ELLENTON	Further location details 11066.1 187 DENMARK DR.					
Start 10419(1-6)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft		
Finish 11066(1-7)	Rim to invert 2.40	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control		Media No	11066.1	
Shape Circular	Height 8	Width	ins	Preclean J	Year Cleaned 2012/03/29	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 374.6	Ft	Length Surveyed 374.6	
Lining	Year laid	Year rehabilitated	Weather	Dry		
Purpose	Cat	Pressure				
Additional info SOUTH				Structural	O&M	Constructional
Location Easement/Right of Way				Miscellaneous	Hydraulic	
Project				Work Order		
Northing 1162459.56	Easting 496765.19	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)				GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							10419(1-6)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1162831.95/E. 496725.11
6.4			DAE Deposits Attached Encrustation			10	09			
7.0			TBI Tap Break-in Intruding	4.000	2.000		10			
7.6			FL Fracture Longitudinal				04			
7.6			MGO General Observation							HOLDING WATER
11.9			IW Infil Weeper				12			
26.6			IW Infil Weeper				10			
31.7			FL Fracture Longitudinal				09			
33.4			TF Tap Factory	4.000			01			
43.8			IW Infil Weeper				10			
90.0			TF Tap Factory	4.000			12			CAPPED
100.6			FL Fracture Longitudinal				01			
101.6			TBI Tap Break-in Intruding	4.000	0.000		12			
102.2			FL Fracture Longitudinal				09			
152.4			TF Tap Factory	4.000			12			
208.8			TF Tap Factory	4.000			12			CAPPED
218.5			TBI Tap Break-in Intruding	4.000	2.000		12			
218.9			B Broken				06			
229.9			CL Crack Longitudinal				10			
231.3			B Broken				12			
234.2			FL Fracture Longitudinal				03			
247.0			FL Fracture Longitudinal				10			
248.5			TB Tap Break-in	4.000			12			
248.5			FL Fracture Longitudinal				12			
248.9			H Hole				10			
270.7			TFC Tap Factory Capped	4.000			12			
296.6			FS Fracture Spiral				01	05		
301.0			FL Fracture Longitudinal				12			

Tabular Report of PSR 11066(1-7) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 10 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/29	Time 13:10	Street DENMARK DR.
City ELLENTON	Further location details 11066.1 187 DENMARK DR.		
Start 10419(1-6)	Rim to invert 3.90	Grade to invert	Rim to grade Ft
Finish 11066(1-7)	Rim to invert 2.40	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 11066.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 374.6 Ft	Length Surveyed 374.6
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTH		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1162459.56	Easting 496765.19	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To lmRef
301.0	IW Infil Weeper		10
310.9	FL Fracture Longitudinal		12
312.5	TB Tap Break-in	4.000	12
328.0	TFC Tap Factory Capped	4.000	12
333.6	RFJ Roots Fine Joint		J 04
338.1	RFJ Roots Fine Joint		J 04
348.1	RFJ Roots Fine Joint		J 08
358.1	RFJ Roots Fine Joint		J 10 03
363.3	RFJ Roots Fine Joint		J 03
372.2	FC Fracture Circumferential		12 12
374.6	MGO General Observation		N.1162459.56/E. 496765.19
374.6	AMH Manhole		11066(1-7)
374.6	FH End of Survey		

374.6 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 43	Pipe Ratings Index 2.9	Peak 3	Mean Pipe 0.1
O&M:	Pipe Rating 23	Pipe Ratings Index 1.2	Peak 4	Mean Pipe 0.1

Notes

LINE WAS ROOT CUT

Tabular Report of PSR 11064(1-6-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 11 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/03/29	Time 14:27	Street ROTTERDAM AVE
City ELLENTON	Further location details 11064.1310 ROTTERDAM AVE		
Start 10419(1-6)	Rim to invert 3.90	Grade to invert	Rim to grade Ft
Finish 11064(1-6-1)	Rim to invert 3.70	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 11064.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 183.9 Ft	Length Surveyed 183.9
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1162727.00	Easting 496573.75	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							10419(1-6)
0.0			MWL Water Level			10				
8.4			MGO General Observation							N1162831.95/E. 496725.11
17.8			IW Infil Weeper				12			
57.8			IW Infil Weeper				03			
72.8			IW Infil Weeper				12			
77.7			IW Infil Weeper				02			
82.7			CL Crack Longitudinal				09			
87.5			IW Infil Weeper				12			
87.5			DAE Deposits Attached Encrustation		5		10			
92.7			IW Infil Weeper				12			
97.1			FL Fracture Longitudinal				12			
102.5			FM Fracture Multiple				06	08		
102.5			IW Infil Weeper				12			
107.6			IW Infil Weeper				12			
112.6			IW Infil Weeper				12			
122.6			IW Infil Weeper				12			
127.5			IW Infil Weeper				12			
132.6			IW Infil Weeper				12			
137.6			IW Infil Weeper				02			
147.7			IW Infil Weeper				12			
152.8			IW Infil Weeper				12			
157.5			IW Infil Weeper				12			
162.6			IW Infil Weeper				12			
167.3			CL Crack Longitudinal				02			
172.6			IW Infil Weeper				12			
177.5			IW Infil Weeper				12			
181.0			FC Fracture Circumferential				04	12		
183.9			MGO General Observation							N.1162727.00/E. 496573.75
183.9			AMH Manhole							11064(1-6-1)

Tabular Report of PSR 11064(1-6-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 11 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #	Date 2012/03/29	Time 14:27	Street ROTTERDAM AVE		
City ELLENTON	Further location details 11064.1310 ROTTERDAM AVE				
Start 10419(1-6)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft	
Finish 11064(1-6-1)	Rim to invert 3.70	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No	11064.1	
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/03/29	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 183.9	Ft	Length Surveyed 183.9
Lining	Year laid	Year rehabilitated	Weather	Dry	
Purpose	Cat	Pressure			
Additional info SOUTHWEST			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1162727.00	Easting 496573.75	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			
Count Video	CD Code	In1	In2	% JntFr	To ImRef Remarks
183.9	FH				End of Survey

183.9 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 13	Pipe Ratings Index 2.6	Peak 4	Mean Pipe 0.1
O&M:	Pipe Rating 40	Pipe Ratings Index 2	Peak 4	Mean Pipe 0.2

Tabular Report of PSR 10419(1-6)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 12
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/02	Time 8:14	Street DENMARK DR.			
City ELLENTON	Further location details 10419.1 199 DENMARK DR.					
Start 10419(1-6)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft		
Finish 104198(1-5)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No	10419.1		
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned	2012/04/02	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 102.9	Ft	Length Surveyed	102.9
Lining	Year laid	Year rehabilitated	Weather	Dry		
Purpose	Cat	Pressure				
Additional info NORTHEAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project	Work Order					
Northing 1162831.95	Easting 496725.11	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)	GPS Accuracy					

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							10419(1-6)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1162831.95/E. 496725.11
6.0			FM Fracture Multiple				12	09		
8.5			FL Fracture Longitudinal				12			
9.3			FM Fracture Multiple				12	12		
10.8			TBI Tap Break-in Intruding	4.000	2.000		12			
10.8			FL Fracture Longitudinal				12			W/ROOTS
24.3			IW Infil Weeper				12			
25.3			TF Tap Factory	4.000			12			
26.4			FM Fracture Multiple				05	09		
30.1			H Hole				03			
30.3			FL Fracture Longitudinal				05			
31.4			FL Fracture Longitudinal				08			
31.4			B Broken				04			
36.4			IW Infil Weeper				12			
41.2			CL Crack Longitudinal				02			
46.4			IW Infil Weeper				09			
47.1			TBI Tap Break-in Intruding	3.000	1.000		12			
51.4			FM Fracture Multiple				08	04		
61.3			FM Fracture Multiple				05	08		
61.3			IW Infil Weeper				12			
65.8			FM Fracture Multiple				12	12		
73.8			FL Fracture Longitudinal				09			
75.3			FL Fracture Longitudinal				08			
75.9			FM Fracture Multiple				12	12		
81.0			FM Fracture Multiple				12	04		
81.0			IW Infil Weeper				12			
96.1			IW Infil Weeper				12			
102.9			MGO General Observation							N.1162916.84/E. 496781.14

Tabular Report of PSR 10419(1-6)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 12 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #		Date 2012/04/02	Time 8:14	Street DENMARK DR.	
City ELLENTON	Further location details 10419.1 199 DENMARK DR.				
Start 10419(1-6)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft	
Finish 104198(1-5)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Down	Flow control	Media No 10419.1		
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/02	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 102.9	Ft	Length Surveyed 102.9
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat	Pressure			
Additional info NORTHEAST			Structural O&M Constructional		
Location Easement/Right of Way			Miscellaneous Hydraulic		
Project			Work Order		
Northing 1162831.95	Easting 496725.11	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			
Count Video	CD Code	In1	In2	% JntFr	To lmRef
102.9	AMH Manhole				104198(1-5)
102.9	FH End of Survey				

102.9 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 58	Pipe Ratings Index 3.4	Peak 6	Mean Pipe 0.6
O&M:	Pipe Rating 19	Pipe Ratings Index 2.1	Peak 4	Mean Pipe 0.2

Tabular Report of PSR 104198(1-5) X for COLONY COVE INITIAL CCTV SANITARY 201:

Setup 13 To 14 Surveyor TIM Certificate # U-307-1521

Drainage	Survey Customer COLONY COVE		System Owner COLONY COVE	
P/O #	Date 2012/04/02	Time 12:01	Street DENMARK DR.	
City ELLENTON	Further location details 104198.1 203 DENMARK DR.			
Start 104198(1-5)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft
Finish 11847	Rim to invert 5.20	Grade to invert	Rim to grade	Ft
Use Sanitary	Direction Down	Flow control	Media No	104198.1
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/02
Material Vitrified Clay Pipe	Joint length	Ft	Total length 443.0	Ft Length Surveyed 276.0
Lining	Year laid	Year rehabilitated	Weather Dry	
Purpose	Cat		Pressure	
Additional info NORTHEAST			Structural	O&M
Location Easement/Right of Way			Miscellaneous	Hydraulic
Project			Work Order	
Northing 1162916.84	Easting 496781.14	Elevation		
Coordinate System US STATE PLANE 1983 (NAD 1983)		GPS Accuracy		
Count Video	CD Code	In1	In2	% JntFr To ImRef Remarks
0.0	ST Start of Survey			
0.0	AMH Manhole			104198(1-5)
0.0	MWL Water Level		10	
0.7	MGO General Observation			N.1162916.84/E.496725.11
0.7	FC Fracture Circumferential		06 03	W/ INFIL
4.6	CL Crack Longitudinal		03	W/ INFIL
7.8	TF Tap Factory	4.000	12	
8.7	CL Crack Longitudinal		03	
13.9	CL Crack Longitudinal		04	
14.1	IW Infil Weeper		05	
19.0	IW Infil Weeper		12	
34.6	TF Tap Factory	4.000	12	
40.8	IW Infil Weeper		12	
49.4	CL Crack Longitudinal		10	
51.0	IW Infil Weeper		12	
90.2	IW Infil Weeper		02	
90.2	IW Infil Weeper		09	
91.2	TF Tap Factory	4.000	12	
92.5	IW Infil Weeper		09	
102.2	IW Infil Weeper		12	
102.5	FC Fracture Circumferential		12 03	
107.4	FL Fracture Longitudinal		03	W/ INFIL
112.1	FM Fracture Multiple		02 05	W/ INFIL
116.7	CL Crack Longitudinal		12	
117.3	FM Fracture Multiple		01 02	W/ INFIL
122.1	FL Fracture Longitudinal		02	W/ INFIL
126.8	FC Fracture Circumferential		10 05	W/ INFIL
130.8	CL Crack Longitudinal		05	
131.7	FM Fracture Multiple		08 09	
132.0	RFJ Roots Fine Joint		J 12	
137.3	IW Infil Weeper		12	
141.7	FM Fracture Multiple		03 06	W/ INFIL
141.7	RFJ Roots Fine Joint		J 11	
142.0	FM Fracture Multiple		02 03	W/ INFIL
146.9	IW Infil Weeper		12	

Tabular Report of PSR 104198(1-5) X for COLONY COVE INITIAL CCTV SANITARY 201:

Setup 13 To 14 Surveyor TIM Certificate # U-307-1521

Drainage	Survey Customer COLONY COVE		System Owner COLONY COVE	
P/O #	Date 2012/04/02	Time 12:01	Street DENMARK DR.	
City ELLENTON	Further location details 104198.1 203 DENMARK DR.			
Start 104198(1-5)	Rim to invert 3.90	Grade to invert	Rim to grade	Ft
Finish 11847	Rim to invert 5.20	Grade to invert	Rim to grade	Ft
Use Sanitary	Direction Down	Flow control	Media No	104198.1
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/02
Material Vitrified Clay Pipe	Joint length	Ft	Total length 443.0	Ft Length Surveyed 276.0
Lining	Year laid	Year rehabilitated	Weather Dry	
Purpose	Cat		Pressure	
Additional info NORTHEAST			Structural	O&M
Location Easement/Right of Way			Miscellaneous	Constructional
Project			Work Order	
Northing 1162916.84	Easting 496781.14	Elevation		
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy		
Count Video	CD Code	In1	In2	% JntFr To ImRef Remarks
151.8	IW Infil Weeper			12
152.9	TF Tap Factory	4.000		12
153.8	IW Infil Weeper			12
168.6	FM Fracture Multiple			02 06
172.1	FL Fracture Longitudinal			06
173.3	FM Fracture Multiple			02 05 W/ INFIL
188.4	IW Infil Weeper			09
198.3	ID Infil Dripper			08
198.3	IW Infil Weeper			12
208.2	IW Infil Weeper			01
213.1	FM Fracture Multiple			03 08 W/ SAND & WATER INFIL
213.3	IR Infil Runner			09
219.1	TF Tap Factory	4.000		12
268.7	LR Alignment Right		10	
275.0	LL Alignment Left		25	
276.0	MGO General Observation			N.1163105.499/E.496991.265
374.0	MGO General Observation			N.1163165.924/E.497065.039
375.3	LR Alignment Right		25	
395.1	TF Tap Factory	4.000		06
401.5	IW Infil Weeper			03
416.5	IW Infil Weeper			01
426.2	CL Crack Longitudinal			03
443.0	MGO General Observation			N.1163237.57/E.497087.67
443.0	MWL Water Level		10	
443.0	AMH Manhole			11847
443.0	FH End of Survey			

443.0 Ft Total Length Surveyed

Notes

BEND IN PIPE

Tabular Report of PSR 9028 (1-3-8) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 15 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #	Date 2012/04/02	Time 14:00	Street DENMARK DR.		
City ELLENTON	Further location details 9028.1 212 AMSTERDAM AVE				
Start 11847	Rim to invert 5.20	Grade to invert	Rim to grade	Ft	
Finish 9028 (1-3-B)	Rim to invert 5.70	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No 9028.1		
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/02	
Material Vitrified Clay Pipe	Joint length Ft	Total length 69.0	Ft	Length Surveyed 69.0	
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat			Pressure	
Additional info WEST			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1163243.03	Easting 497017.13	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							11847
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163237.57/E.497087.67
3.4			CC Crack Circumferential				08	03		W/ INFIL
6.5			FL Fracture Longitudinal				03			W/ INFIL
31.4			FM Fracture Multiple				04	08		W/INFIL
36.4			IW Infil Weeper				12			
41.5			CC Crack Circumferential				01	04		W/ INFIL
41.8			IW Infil Weeper				12			
46.5			IW Infil Weeper				12			
69.0			MGO General Observation							N.1163243.03/E.497017.13
69.0			AMH Manhole							9028 (1-3-8)
69.0			FH End of Survey							

69.0 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 9	Pipe Ratings Index 2.3	Peak 4	Mean Pipe 0.1
O&M:	Pipe Rating 6	Pipe Ratings Index 2	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 11847
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 16 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/02	Time 14:26	Street DENMARK DR.
City ELLENTON	Further location details 11847.1 219 DENMARK DR.		
Start 11847	Rim to invert 5.20	Grade to invert	Rim to grade Ft
Finish 9031 (1-2-A)	Rim to invert 5.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 11847.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 63.8	Ft Length Surveyed 63.8
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info EAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163237.57	Easting 497087.67	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							11847
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163237.57/E.497087.67
3.0			FM Fracture Multiple				04	08		W/ INFIL
7.0			FL Fracture Longitudinal				08			W/ INFIL
8.1			CL Crack Longitudinal				04			W/ INFIL
17.0			FS Fracture Spiral				03	05		W/ INFIL
18.4			IW Infil Weeper				02			
33.4			IR Infil Runner				09			
41.8			FL Fracture Longitudinal				02			W/ INFIL
43.3			IW Infil Weeper				11			
53.3			IR Infil Runner				12			
61.1			FC Fracture Circumferential				11	08		
63.8			MGO General Observation							N.1163228.94/E.497150.50
63.8			AMH Manhole							9031 (1-2-A)
63.8			FH End of Survey							

63.8 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 17	Pipe Ratings Index 2.8	Peak 4	Mean Pipe 0.3
O&M:	Pipe Rating 12	Pipe Ratings Index 3	Peak 4	Mean Pipe 0.2

Tabular Report of PSR 8863 (1-11-2) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 17 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/03	Time 11:13	Street ALKMAAR ST.			
City ELLENTON	Further location details 8863.1 311 ALKMAAR ST.					
Start 8864 (1-11-1)	Rim to invert 7.40	Grade to invert	Rim to grade	Ft		
Finish 8863 (1-11-2)	Rim to invert 7.00	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control	Media No 8863.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/03		
Material Vitrified Clay Pipe	Joint length Ft	Total length 163.8	Ft	Length Surveyed 163.9		
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info EAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project			Work Order			
Northing 1164293.90	Easting 498102.34	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy				

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							8864 (1-11-1)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N. 1164210.45/E. 497959.52
11.5			RFJ Roots Fine Joint				J 08			
21.5			RFJ Roots Fine Joint				J 02 05			
21.5			FL Fracture Longitudinal				01			
26.5			RFJ Roots Fine Joint				J 10			
38.3			TFC Tap Factory Capped	4.000			01			
40.3			TF Tap Factory	4.000			11			
50.1			RFJ Roots Fine Joint				J 08 04			
69.9			FM Fracture Multiple				05 06			
133.8			FM Fracture Multiple				06 08			
163.8			AMH Manhole							8863 (1-11-2)
163.8			FH End of Survey							
163.9			MGO General Observation							N.1164293.90/E. 498102.34

163.9 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 11	Pipe Ratings Index 3.7	Peak 4	Mean Pipe 0.1
O&M:	Pipe Rating 4	Pipe Ratings Index 0.8	Peak 1	Mean Pipe 0

Notes

LINE WAS ROOT CUT

Tabular Report of PSR CO 90670(1-1-10-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 18 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #	Date 2012/04/03	Time 13:18	Street DORDRECHT ST		
City ELLENTON	Further location details CO 96070.1 DORDRECHT ST				
Start 9668 (1-1-10)	Rim to invert 7.90	Grade to invert	Rim to grade	Ft	
Finish CO 96069(1-1-10-1)	Rim to invert	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No	CO 96070.1	
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/03	
Material Vitrified Clay Pipe	Joint length Ft	Total length 332.4 Ft	Length Surveyed 332.4		
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat	Pressure			
Additional info NORTH			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1164359.20	Easting 497551.48	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9668 (1-1-10)
0.0			MWL Water Level			20				
0.0			MGO General Observation							N. 1164063.27/E. 497703.52
0.0			MGO General Observation							GROUND WATER FLOW
11.1			IR Infil Runner				03			
16.1			CL Crack Longitudinal				09			
26.0			CL Crack Longitudinal				07			
26.0			IR Infil Runner				08			
27.9			MGO General Observation							SAND FROM INFIL
30.6			FL Fracture Longitudinal				09			
37.4			TF Tap Factory	4.000			10			
37.4			MGO General Observation							DIP IN LINE
39.4			TFC Tap Factory Capped	4.000			02			
54.4			IR Infil Runner				10			
74.4			FL Fracture Longitudinal				08			
74.4			IR Infil Runner				09			
84.1			ID Infil Dropper				09			
90.8			TF Tap Factory	4.000			10			
91.1			RFJ Roots Fine Joint			J	09			
100.3			CL Crack Longitudinal				12			
105.5			B Broken				09			
105.5			FL Fracture Longitudinal				12			
105.9			B Broken				12	12		
105.9			IG Infil Gusher				02			
106.3			IR Infil Runner				09			
107.3			B Broken				04			W/FINE ROOTS
107.3			B Broken				12			
108.5			IG Infil Gusher				04			
109.1			B Broken				06			
110.1			B Broken				03			

Tabular Report of PSR CO 90670(1-1-10-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 18 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE									
P/O #	Date 2012/04/03		Time 13:18		Street DORDRECHT ST					
City	ELLENTON		Further location details			CO 96070.1 DORDRECHT ST				
Start	9668 (1-1-10)		Rim to invert 7.90		Grade to invert		Rim to grade		Ft	
Finish	CO 96069(1-1-10-1)		Rim to invert		Grade to invert		Rim to grade		Ft	
Use	Sanitary		Direction Up		Flow control			Media No		CO 96070.1
Shape	Circular		Height 8		Width ins		Preclean J		Year Cleaned 2012/04/03	
Material	Vitrified Clay Pipe		Joint length		Ft	Total length 332.4		Ft	Length Surveyed 332.4	
Lining			Year laid		Year rehabilitated			Weather Dry		
Purpose			Cat					Pressure		

Additional info NORTH				Structural		O&M		Constructional	
Location Easement/Right of Way				Miscellaneous		Hydraulic			
Project				Work Order					
Northing 1164359.20		Easting 497551.48		Elevation					
Coordinate System US STATE PLANE1983 (NAD 1983)				GPS Accuracy					

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
111.0			FM Fracture Multiple				08	12		
122.6			FL Fracture Longitudinal				12			
123.9			FM Fracture Multiple				12	12		
124.3			IR Infil Runner				08			
125.2			TB Tap Break-in	4.000			12			
135.4			IW Infil Weeper				12			
140.6			IW Infil Weeper				10			
144.7			CL Crack Longitudinal				03			
145.7			ID Infil Dripper				12			
147.1			TF Tap Factory	4.000			10			
149.0			TFC Tap Factory Capped	4.000			02			
149.4			IW Infil Weeper				12			
151.9			FL Fracture Longitudinal				04			
154.4			IR Infil Runner				12			
154.4			RFJ Roots Fine Joint			J	10			
159.5			IW Infil Weeper				12			
164.3			IR Infil Runner				12			
169.3			IW Infil Weeper				12			
174.2			RFJ Roots Fine Joint			J	12			
174.2			IW Infil Weeper				12			
189.0			FL Fracture Longitudinal				04			
189.0			FL Fracture Longitudinal				08			
193.3			IG Infil Gusher				12	12		
197.1			MGO General Observation							DIP INLINE
199.0			FM Fracture Multiple				10	12		
200.3			FL Fracture Longitudinal				12			
201.5			TBI Tap Break-in Intruding	4.000	1.000		12			
201.6			FL Fracture Longitudinal				12			
204.1			FM Fracture Multiple				04	07		
209.0			ID Infil Dripper				12			
210.5			TF Tap Factory	4.000			10			
212.4			TFC Tap Factory Capped	4.000			02			
217.7			IR Infil Runner				12			
222.8			IR Infil Runner				04			

Tabular Report of PSR CO 90670(1-1-10-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 18 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/03	Time 13:18	Street DORDRECHT ST
City ELLENTON	Further location details CO 96070.1 DORDRECHT ST		
Start 9668 (1-1-10)	Rim to invert 7.90	Grade to invert	Rim to grade Ft
Finish CO 96069(1-1-10-1)	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO 96070.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 332.4 Ft	Length Surveyed 332.4
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTH		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164359.20	Easting 497551.48	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
			Remarks
226.3	FL Fracture Longitudinal		11
227.7	IR Infil Runner		12
232.3	IG Infil Gusher		12
237.5	IR Infil Runner		11
237.7	FL Fracture Longitudinal		09
239.5	HSV Hole Soil Visible		12
239.7	FL Fracture Longitudinal		12
242.6	ID Infil Dripper		12
247.4	IW Infil Weeper		12
257.2	IR Infil Runner		12
257.4	FL Fracture Longitudinal		12
267.3	IW Infil Weeper		12
282.0	IW Infil Weeper		12
292.1	IW Infil Weeper		02
297.2	RFJ Roots Fine Joint	J	02
297.2	FM Fracture Multiple	05	07
301.9	IW Infil Weeper		12
307.0	IW Infil Weeper		12
311.9	IW Infil Weeper		12
312.0	RFJ Roots Fine Joint	J	04
316.6	RFJ Roots Fine Joint	J	10
323.4	TF Tap Factory	4.000	10
328.8	IW Infil Weeper		12
330.1	TF Tap Factory	6.000	03
332.3	TF Tap Factory	4.000	12
332.4	MGO General Observation		
332.4	AMH Manhole		
332.4	FH End of Survey		

332.4 Ft Total Length Surveyed

Tabular Report of PSR CO 90670(1-1-10-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 18 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #		Date 2012/04/03	Time 13:18	Street DORDRECHT ST	
City ELLENTON	Further location details CO 96070.1 DORDRECHT ST				
Start 9668 (1-1-10)	Rim to invert 7.90	Grade to invert	Rim to grade	Ft	
Finish CO 96069(1-1-10-1)	Rim to invert	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No	CO 96070.1	
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned	2012/04/03
Material Vitrified Clay Pipe	Joint length	Ft	Total length 332.4	Ft	Length Surveyed 332.4
Lining	Year laid	Year rehabilitated	Weather	Dry	
Purpose	Cat	Pressure			
Additional info NORTH			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1164359.20	Easting 497551.48	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			

Scores

Structural:	Pipe Rating 92	Pipe Ratings Index 3.2	Peak 6	Mean Pipe 0.3
O&M:	Pipe Rating 121	Pipe Ratings Index 2.4	Peak 5	Mean Pipe 0.4

Notes

HEAVY INFILTRATION IN MULTIPLE PLACES IN LINE

Tabular Report of PSR 9668 (1-1-10) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 19 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/04	Time 9:40	Street DEN HELDER AVE
City ELLENTON	Further location details 9668.1 201 DEN HELDER AVE		
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade Ft
Finish 9668 (1-1-10)	Rim to invert 7.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9668.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 183.2 Ft	Length Surveyed 183.2
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info EAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164063.27	Easting 497703.52	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9667 (1-1-8)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1164007.48/E.497529.00
5.0			IW Infil Weeper				12			
16.1			IR Infil Runner				12			
26.0			IW Infil Weeper				10			
26.0			IW Infil Weeper				03			
30.9			RFJ Roots Fine Joint			J	06	12		
30.9			IW Infil Weeper				12			
35.8			IW Infil Weeper				09			
40.7			ID Infil Dripper				03	09		
45.8			IW Infil Weeper				12			
50.6			IW Infil Weeper				10			
55.7			ID Infil Dripper				03	09		
60.4			IW Infil Weeper				12			
70.3			IW Infil Weeper				02			
75.2			IW Infil Weeper				12			
80.2			IW Infil Weeper				12			
85.1			IW Infil Weeper				12			
90.1			IW Infil Weeper				12			
100.0			ID Infil Dripper				04			
114.9			RFJ Roots Fine Joint			J	12	12		
115.0			ID Infil Dripper				12			
119.7			IW Infil Weeper				12			
124.6			IW Infil Weeper				12			
129.6			ID Infil Dripper				03			
134.5			IW Infil Weeper				03			
154.1			IW Infil Weeper				09			
159.1			IW Infil Weeper				12			
164.0			ID Infil Dripper				12			

Tabular Report of PSR 9668 (1-1-10) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 19 **Surveyor** TIM **Certificate #** U-307-1521 **System Owner** COLONY COVE

Drainage		Survey Customer COLONY COVE				
P/O #	Date 2012/04/04	Time 9:40	Street DEN HELDER AVE			
City ELLENTON	Further location details 9668.1 201 DEN HELDER AVE					
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade	Ft		
Finish 9668 (1-1-10)	Rim to invert 7.90	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control	Media No 9668.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/04		
Material Vitrified Clay Pipe	Joint length Ft	Total length 183.2	Ft	Length Surveyed 183.2		
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info EAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project			Work Order			
Northing 1164063.27	Easting 497703.52	Elevation				
Coordinate System US STATE PLANE 1983 (NAD 1983)		GPS Accuracy				
Count Video	CD Code	In1	In2	% JntFr	To ImRef	Remarks
173.8	IW Infil Weeper			12		
178.7	IG Infil Gusher			07		
178.7	IW Infil Weeper			12		
183.2	MGO General Observation					N.1164063.27/E.497703.52
183.2	AMH Manhole					9668 (1-1-10)
183.2	FH End of Survey					

183.2 Ft **Total Length Surveyed**

Scores

Structural:	Pipe Rating 0	Pipe Ratings Index 0	Peak 0	Mean Pipe 0
O&M:	Pipe Rating 69	Pipe Ratings Index 2.3	Peak 7	Mean Pipe 0.4

Tabular Report of PSR 8864 (1-11-1) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 20 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/04	Time 10:52	Street HOLLAND ST
City ELLENTON	Further location details 8864.1 310 HOLLAND ST		
Start 9668 (1-1-10)	Rim to invert 7.90	Grade to invert	Rim to grade Ft
Finish 8864 (1-11-1)	Rim to invert 7.40	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 8864.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 294.7 Ft	Length Surveyed 294.7
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info EAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164210.45	Easting 497959.52	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9668 (1-1-10)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1164063.27/E.497703.52
5.4			IW Infil Weeper				11			
15.8			IR Infil Runner				12			
25.8			IR Infil Runner				09			
37.0			TF Tap Factory	4.000			01			
42.5			ID Infil Dripper				12			
47.4			ID Infil Dripper				03	09		
52.5			FL Fracture Longitudinal				10			
57.3			IW Infil Weeper				12			
77.3			IW Infil Weeper				10			
87.0			IW Infil Weeper				11			
92.0			FM Fracture Multiple				07	09		
98.3			TFC Tap Factory Capped	4.000			01			
98.9			ID Infil Dripper				08			
100.5			TF Tap Factory	4.000			11			
116.0			CL Crack Longitudinal				04			
116.1			ID Infil Dripper				04			
116.1			CL Crack Longitudinal				06			
116.6			CL Crack Longitudinal				03			
125.8			IW Infil Weeper				09			
146.1			IW Infil Weeper				04	11		
150.7			RFJ Roots Fine Joint			J	10			
157.2			TFC Tap Factory Capped	4.000			02			
159.3			TF Tap Factory	4.000			11			
180.4			FS Fracture Spiral				02	04		
199.7			RFJ Roots Fine Joint			J	04			
210.3			IW Infil Weeper				12			
210.4			CL Crack Longitudinal				07			

X

Setup 20

Surveyor TIM

Certificate # U-307-1521

System Owner COLONY COVE

Drainage	Survey Customer		COLONY COVE							
P/O #	Date	2012/04/04	Time	10:52	Street	HOLLAND ST				
City	ELLENTON		Further location details		8864.1 310 HOLLAND ST					
Start	9668 (1-1-10)		Rim to invert	7.90	Grade to invert	Rim to grade	Ft			
Finish	8864 (1-11-1)		Rim to invert	7.40	Grade to invert	Rim to grade	Ft			
Use	Sanitary		Direction	Up	Flow control	Media No	8864.1			
Shape	Circular		Height	8	Width	ins	Preclean J	Year Cleaned	2012/04/04	
Material	Vitrified Clay Pipe		Joint length	Ft	Total length	294.7	Ft	Length Surveyed	294.7	
Lining			Year laid		Year rehabilitated		Weather	Dry		
Purpose			Cat				Pressure			
Additional info	EAST				Structural	O&M	Constructional			
Location	Easement/Right of Way				Miscellaneous	Hydraulic				
Project					Work Order					
Northing	1164210.45		Easting	497959.52		Elevation				
Coordinate System	US STATE PLANE1983 (NAD 1983)				GPS Accuracy					
Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
215.7			TF Tap Factory	4.000			01			
217.8			TFC Tap Factory Capped	4.000			10			
228.4			IW Infil Weeper				02	10		
274.8			TFC Tap Factory Capped	4.000			01			
276.8			TF Tap Factory	4.000			11			95% BLOCKED W/ ROOTS
281.8			FS Fracture Spiral				07	09		
294.7			MGO General Observation							N.1164210.45/E.497959.52
294.7			AMH Manhole							8864 (1-11-1)
294.7			FH End of Survey							

294.7 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 21	Pipe Ratings Index 2.6	Peak 4	Mean Pipe 0.1
O&M:	Pipe Rating 38	Pipe Ratings Index 1.8	Peak 4	Mean Pipe 0.1

Tabular Report of PSR CO 96068 (1-1-9) A for COLONY COVE INITIAL CCTV SANITARY 201

Setup 21 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE			
P/O #		Date 2012/04/16	Time 14:40	Street DEN HELDER AVE	
City ELLENTON	Further location details CO 96068.1 208 DEN HELDER AVE				
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade	Ft	
Finish CO 96068 (1-1-9)	Rim to invert	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control		Media No	CO 96068.1
Shape Circular	Height 8	Width	ins	Preclean J	Year Cleaned 2012/04/16
Material Vitrified Clay Pipe	Joint length	Ft	Total length 250.4	Ft	Length Surveyed 250.4
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat			Pressure	
Additional info NORTH				Structural	O&M
Location Easement/Right of Way				Miscellaneous	Hydraulic
Project				Work Order	
Northing 1164231.044	Easting 497400.797	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9667 (1-1-8)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1164007.48/E.497529.00
1.6			IG Infil Gusher				06			
1.6			FC Fracture Circumferential				12	12		
1.8			IG Infil Gusher				08			
11.6			RFJ Roots Fine Joint				J	12	03	
11.6			IW Infil Weeper				12			
13.3			TF Tap Factory	4.000			03			
18.7			IR Infil Runner				03			
18.7			RFJ Roots Fine Joint				J	09		
23.6			RFJ Roots Fine Joint				J	10		
23.6			ID Infil Dripper				01			
28.5			RFJ Roots Fine Joint				J	03		
28.5			IW Infil Weeper				12			
33.5			RFJ Roots Fine Joint				J	12	12	
33.5			ID Infil Dripper				08			
48.3			IR Infil Runner				12			
53.2			RFJ Roots Fine Joint				J	03	09	
53.2			IR Infil Runner				03	09		
58.0			RFJ Roots Fine Joint				J	12	05	
59.7			TF Tap Factory	4.000			02			
75.0			RFJ Roots Fine Joint				J	09		
75.0			ID Infil Dripper				07			
89.9			RFJ Roots Fine Joint				J	09	12	
89.9			ID Infil Dripper				09			
94.7			RFJ Roots Fine Joint				J	09		
99.6			RFJ Roots Fine Joint				J	12	12	
109.7			ID Infil Dripper				12			
119.6			RFJ Roots Fine Joint				J	10		

Tabular Report of PSR CO 96068 (1-1-9) A for COLONY COVE INITIAL CCTV SANITARY 201

Setup 21 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/16	Time 14:40	Street DEN HELDER AVE
City ELLENTON	Further location details CO 96068.1 208 DEN HELDER AVE		
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade Ft
Finish CO 96068 (1-1-9)	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO 96068.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 250.4 Ft	Length Surveyed 250.4
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTH		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164231.044	Easting 497400.797	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
			Remarks
119.6	IW Infil Weeper		09
120.9	TF Tap Factory	4.000	01
126.5	IW Infil Weeper		12
141.0	RFJ Roots Fine Joint		J 03
150.9	RFJ Roots Fine Joint		J 11
155.9	RFJ Roots Fine Joint		J 11 03
177.3	TF Tap Factory	4.000	12
182.6	RFJ Roots Fine Joint		J 09 01
197.5	RFJ Roots Fine Joint		J 08 12
202.5	IW Infil Weeper		12
202.6	CL Crack Longitudinal		09
217.1	IW Infil Weeper		12
222.1	IW Infil Weeper		12
227.0	IW Infil Weeper		03
231.9	IW Infil Weeper		12
233.6	TFC Tap Factory Capped	4.000	01
238.7	IW Infil Weeper		12
243.8	IW Infil Weeper		12
250.1	TF Tap Factory	4.000	12
250.4	MGO General Observation		
250.4	AMH Manhole		
250.4	FH End of Survey		

250.4 Ft Total Length Surveyed

Scores

Structural: Pipe Rating 4	Pipe Ratings Index 2	Peak 2	Mean Pipe 0
O&M: Pipe Rating 76	Pipe Ratings Index 2	Peak 5	Mean Pipe 0.3

Notes

HEAVY INFILTRATION IN MULTIPLE PLACES IN LINE
LINE WAS ROOT CUT

Tabular Report of PSR CO 96066
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 22 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/04	Time 12:58	Street HOLLAND ST
City ELLENTON	Further location details CO 96066.1 202 HOLLAND ST		
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade Ft
Finish CO 96066	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO 96066.1
Shape Circular	Height 8 Width	ins Preclean J	Year Cleaned 2012/04/04
Material Vitrified Clay Pipe	Joint length	Ft Total length 277.9 Ft	Length Surveyed 277.9
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163873.352	Easting 497285.200	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9667 (1-1-8)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1164007.48/E.497529.00
6.5			ID Infil Dripper					05		
11.6			RFJ Roots Fine Joint				J	12	06	
16.8			IW Infil Weeper					11		
16.8			RFJ Roots Fine Joint				J	07	10	
21.7			IW Infil Weeper					07		
26.6			IW Infil Weeper					12		
36.5			ID Infil Dripper					08		
36.5			RFJ Roots Fine Joint				J	12	05	
38.1			TF Tap Factory	4.000				11		
38.8			RFJ Roots Fine Joint				J	02		
58.4			RFJ Roots Fine Joint				J	12		
58.5			IR Infil Runner					12		
63.3			RFJ Roots Fine Joint				J	03	09	
78.0			RFJ Roots Fine Joint				J	11	04	
78.0			IW Infil Weeper					12		
81.9			TBI Tap Break-in Intruding	4.000	1.000			12		
88.2			IR Infil Runner					03		
93.1			RFJ Roots Fine Joint				J	12	03	
94.6			TFC Tap Factory Capped	4.000				10		
100.1			RFJ Roots Fine Joint				J	12	12	
124.9			RFJ Roots Fine Joint				J	03		
124.9			IW Infil Weeper					12		
129.9			IW Infil Weeper					09		
134.9			IW Infil Weeper					03		
134.9			RFJ Roots Fine Joint				J	04	05	
138.8			FM Fracture Multiple					04	08	
139.8			IW Infil Weeper					10		

Tabular Report of PSR CO 96066
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 22 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/04	Time 12:58	Street HOLLAND ST
City ELLENTON	Further location details CO 96066.1 202 HOLLAND ST		
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade Ft
Finish CO 96066	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO 96066.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 277.9 Ft	Length Surveyed 277.9
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163873.352	Easting 497285.200	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
% JntFr	To	ImRef	Remarks
139.8	RFJ	Roots Fine Joint	
144.6	RFJ	Roots Fine Joint	
156.3	TF	Tap Factory	4.000
166.6	IW	Infil Weeper	
166.6	RFJ	Roots Fine Joint	
181.6	FL	Fracture Longitudinal	
188.8	IW	Infil Weeper	
191.4	IW	Infil Weeper	
196.5	IW	Infil Weeper	
201.0	RFJ	Roots Fine Joint	
201.0	IW	Infil Weeper	
201.3	FL	Fracture Longitudinal	
206.4	FL	Fracture Longitudinal	
211.0	IW	Infil Weeper	
212.6	TF	Tap Factory	4.000
222.9	RFJ	Roots Fine Joint	
227.9	IW	Infil Weeper	
232.9	IW	Infil Weeper	
242.8	IW	Infil Weeper	
252.7	IW	Infil Weeper	
267.7	IW	Infil Weeper	
269.0	TF	Tap Factory	4.000
269.6	IW	Infil Weeper	
276.1	TF	Tap Factory	4.000
277.8	TF	Tap Factory	6.000
277.9	MGO	General Observation	
277.9	AMH	Manhole	
277.9	FH	End of Survey	

277.9 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 13	Pipe Ratings Index 3.3	Peak 4	Mean Pipe 0
O&M:	Pipe Rating 73	Pipe Ratings Index 1.6	Peak 4	Mean Pipe 0.3

Tabular Report of PSR 9667 (1-1-8)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 23 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/04	Time 14:18	Street HOLLAND ST			
City ELLENTON	Further location details 9667.1 212 HOLLAND ST					
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade	Ft		
Finish 9027 (1-1-7)	Rim to invert 5.00	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No 9667.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/04		
Material Vitrified Clay Pipe	Joint length	Ft	Total length 166.6	Ft	Length Surveyed 166.6	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info SOUTHEAST			Structural O&M Constructional			
Location Easement/Right of Way			Miscellaneous Hydraulic			
Project			Work Order			
Northing 1164007.48	Easting 497529.00	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9667 (1-1-8)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1164007.48/E.497529.00
3.4			IR Infil Runner				04			
7.5			CL Crack Longitudinal				12			
8.6			ID Infil Dripper				03			
13.3			RFJ Roots Fine Joint			J	08	01		
13.3			IW Infil Weeper				12			
18.4			RFJ Roots Fine Joint			J	09			
19.5			CL Crack Longitudinal				11			
20.8			TB Tap Break-in	4.000			12			
21.0			CL Crack Longitudinal				12			
23.2			RFJ Roots Fine Joint			J	12	12		
23.2			ID Infil Dripper				12			
38.9			TFC Tap Factory Capped	4.000			11			
40.1			IW Infil Weeper				12			
45.2			IW Infil Weeper				10			
69.8			IW Infil Weeper				12			
84.8			ID Infil Dripper				12			
94.6			IW Infil Weeper				03	09		
103.3			CL Crack Longitudinal				09			
104.6			RFJ Roots Fine Joint			J	12	05		
104.6			IW Infil Weeper				12			
109.4			IW Infil Weeper				03			
119.3			IW Infil Weeper				12			
119.3			RFJ Roots Fine Joint			J	12			
124.2			IW Infil Weeper				02			
125.0			TFC Tap Factory Capped	4.000			12			
126.1			RFJ Roots Fine Joint			J	08	02		
126.1			IW Infil Weeper				12			

Tabular Report of PSR 9667 (1-1-8)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 23 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/04	Time 14:18	Street HOLLAND ST
City ELLENTON	Further location details 9667.1 212 HOLLAND ST		
Start 9667 (1-1-8)	Rim to invert 6.60	Grade to invert	Rim to grade Ft
Finish 9027 (1-1-7)	Rim to invert 5.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 9667.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 166.6 Ft	Length Surveyed 166.6
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164007.48	Easting 497529.00	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
			Remarks
136.0	RFJ Roots Fine Joint		J 12 12
140.9	RFJ Roots Fine Joint		J 09
150.9	IW Infil Weeper		09
150.9	RFJ Roots Fine Joint		J 08 03
155.8	RFJ Roots Fine Joint		J 04 08
160.8	RFJ Roots Fine Joint		J 03
166.6	MGO General Observation		N.1163860.85/E.497614.00
166.6	AMH Manhole		9027 (1-1-7)
166.6	FH End of Survey		

166.6 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 8	Pipe Ratings Index 2	Peak 2	Mean Pipe 0
O&M:	Pipe Rating 46	Pipe Ratings Index 1.7	Peak 4	Mean Pipe 0.3

Tabular Report of PSR 9027 (1-1-7)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 24 Surveyor TIM
Certificate # U-07-1521
System Owner COLONY COVE

Drainage	Survey Customer	COLONY COVE				
P/O #	Date	2012/04/09	Time	8:59	Street	HOLLAND ST
City	ELLENTON	Further location details 9027.1 213 HOLLAND ST				
Start	9018 (1-1-6)	Rim to invert	5.10	Grade to invert	Rim to grade	Ft
Finish	9027 (1-1-7)	Rim to invert	5.00	Grade to invert	Rim to grade	Ft
Use	Sanitary	Direction	Up	Flow control	Media No	9027.1
Shape	Circular	Height	8	Width	ins	Preclean J
Material	Vitrified Clay Pipe	Joint length	Ft	Total length	362.1	Ft
Lining		Year laid		Year rehabilitated	Weather	Dry
Purpose		Cat			Pressure	
Additional info NORTHEAST				Structural O&M Constructional		
Location Easement/Right of Way				Miscellaneous Hydraulic		
Project				Work Order		
Northing	1163860.85	Easting	497614.00	Elevation		
Coordinate System US STATE PLANE1983 (NAD 1983)				GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9018 (1-1-6)
0.0			MWL Water Level			0				
0.0			MGO General Observation							N.1163683.62/E.497397.47
13.0			IW Infil Weeper				11			
22.9			IW Infil Weeper				12			
27.8			IW Infil Weeper				12			
29.3			TFC Tap Factory Capped	4.000			10			
31.4			TF Tap Factory	4.000			01			
32.1			CL Crack Longitudinal				05			
36.8			IW Infil Weeper				12			
46.7			IW Infil Weeper				12			
51.5			IW Infil Weeper				12			
61.4			IW Infil Weeper				12			
61.7			CL Crack Longitudinal				01			
78.0			TFC Tap Factory Capped	4.000			11			
79.9			TFA Tap Factory Active	4.000			02			
85.4			IW Infil Weeper				12			
89.9			CL Crack Longitudinal				02			
95.1			IW Infil Weeper				12			
105.0			IW Infil Weeper				12			
110.0			IW Infil Weeper				12			
115.0			CS Crack Spiral				03 05			
134.5			IW Infil Weeper				12			
136.0			TF Tap Factory	4.000			11			
138.2			TFD Tap Factory Defective	4.000			02			50% BLOCKED
138.9			IW Infil Weeper				12			
143.4			IW Infil Weeper				12			
153.4			IW Infil Weeper				12			
158.4			IW Infil Weeper				12			
158.6			CL Crack Longitudinal				02			

Tabular Report of PSR 9027 (1-1-7)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 24 Surveyor TIM
Certificate # U-07-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/09	Time 8:59	Street HOLLAND ST
City ELLENTON	Further location details 9027.1 213 HOLLAND ST		
Start 9018 (1-1-6)	Rim to invert 5.10	Grade to invert	Rim to grade Ft
Finish 9027 (1-1-7)	Rim to invert 5.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9027.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 362.1 Ft	Length Surveyed 362.1
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163860.85	Easting 497614.00	Elevation	
Coordinate System US STATE PLANE 1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
168.3	IW Infil Weeper		12
173.1	IW Infil Weeper		12
178.2	IW Infil Weeper		12
184.6	TFC Tap Factory Capped	4.000	11
186.5	TF Tap Factory	4.000	02
202.0	IW Infil Weeper		12
206.9	CL Crack Longitudinal		03
207.2	CS Crack Spiral		12 03
208.4	TB Tap Break-in	4.000	12
208.4	HVV Hole Void Visible		01
208.5	CS Crack Spiral		01 05
211.8	RFJ Roots Fine Joint		J 03
211.8	IW Infil Weeper		12
216.7	RFJ Roots Fine Joint		J 12
221.6	IW Infil Weeper		12
223.2	TF Tap Factory	4.000	11
238.3	FM Fracture Multiple		12 12
248.0	IW Infil Weeper		02
267.9	RFJ Roots Fine Joint		J 04
276.2	CL Crack Longitudinal		01
277.3	CL Crack Longitudinal		02
279.2	TFC Tap Factory Capped	4.000	11
279.4	FS Fracture Spiral		02 04
281.3	TFC Tap Factory Capped	4.000	02
281.6	FM Fracture Multiple		12 12
291.6	CL Crack Longitudinal		11
293.2	TB Tap Break-in	4.000	12
293.8	CL Crack Longitudinal		12
301.5	CL Crack Longitudinal		01
306.3	RFJ Roots Fine Joint		J 03 09
311.2	RFJ Roots Fine Joint		J 07 05
321.3	RFJ Roots Fine Joint		J 02 04

Tabular Report of PSR 9027 (1-1-7)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 24 Surveyor TIM
Certificate # U-07-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/09	Time 8:59	Street HOLLAND ST
City ELLENTON	Further location details 9027.1 213 HOLLAND ST		
Start 9018 (1-1-6)	Rim to invert 5.10	Grade to invert	Rim to grade Ft
Finish 9027 (1-1-7)	Rim to invert 5.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9027.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 362.1 Ft	Length Surveyed 362.1
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163860.85	Easting 497614.00	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
322.8	TFC Tap Factory Capped	4.000	11
323.4	FL Fracture Longitudinal		01
325.2	TB Tap Break-in	4.000	12
325.2	RFL Roots Fine Lateral		12
325.5	FL Fracture Longitudinal		12
333.2	RFJ Roots Fine Joint		J 03 09
348.1	RFJ Roots Fine Joint		J 03
362.1	MGO General Observation		N1163860.85/E.497614.00
362.1	AMH Manhole		9027 (1-1-7)
362.1	FH End of Survey		

362.1 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 48	Pipe Ratings Index 2.5	Peak 5	Mean Pipe 0.1
O&M:	Pipe Rating 57	Pipe Ratings Index 1.6	Peak 3	Mean Pipe 0.2

Tabular Report of PSR 9018 (1-1-6)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 25 Surveyor TIM
Certificate # U-07-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/09	Time 12:30	Street HERLEEN ST			
City ELLENTON	Further location details 9018.1 202 HERLEEN ST					
Start 9018 (1-1-6)	Rim to invert 5.10	Grade to invert	Rim to grade	Ft		
Finish 9017 (1-1-4)	Rim to invert 6.00	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No 9018.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/09		
Material Vitrified Clay Pipe	Joint length	Ft	Total length 181.4	Ft	Length Surveyed 181.4	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info SOUTHEAST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project			Work Order			
Northing 1163683.62	Easting 497295.91	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9018 (1-1-6)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163683.62/E.497295.91
21.3			IW Infil Weeper				02	10		
26.1			IW Infil Weeper				12			
31.2			IW Infil Weeper				02	09		
41.1			IW Infil Weeper				12			
51.0			IW Infil Weeper				12			
56.1			IW Infil Weeper				12			
85.6			IW Infil Weeper				01	10		
140.5			CL Crack Longitudinal				03			
150.0			RFJ Roots Fine Joint			J	08	04		
170.1			IW Infil Weeper				12			
181.4			MGO General Observation							N.1163532.57/E.497397.47
181.4			AMH Manhole							9017 (1-1-4)
181.4			FH End of Survey							

181.4 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 2	Pipe Ratings Index 2	Peak 2	Mean Pipe 0
O&M:	Pipe Rating 17	Pipe Ratings Index 1.9	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 9017 (1-1-4)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 26 Surveyor TIM
Certificate # U-07-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE				
P/O #	Date 2012/04/09	Time 12:59	Street N. UTRECHT ST		
City ELLENTON	Further location details 9017.1 201 N. UTRECHT ST				
Start 9017 (1-1-4)	Rim to invert 6.00	Grade to invert	Rim to grade	Ft	
Finish 9082 (1-1-1)	Rim to invert 6.70	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Down	Flow control	Media No 9017.1		
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/09	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 103.8	Ft	Length Surveyed 103.8
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat	Pressure			
Additional info SOUTHEAST			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1163532.57	Easting 497397.47	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9017 (1-1-4)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163532.57/E.497397.47
1.5			RFJ Roots Fine Joint				J 09			
42.7			FL Fracture Longitudinal					12		
46.5			FM Fracture Multiple					08 01		
47.6			FM Fracture Multiple					03 08		
52.5			FM Fracture Multiple					06 09		
66.1			FL Fracture Longitudinal					07		
67.2			CL Crack Longitudinal					05		
69.8			TB Tap Break-in	4.000				12		
71.2			FS Fracture Spiral					03 05		
72.3			FM Fracture Multiple					03 09		
77.1			FM Fracture Multiple					05 07		
87.1			IW Infil Weeper					11		
91.8			IW Infil Weeper					12		
96.7			FM Fracture Multiple					05 07		
100.8			CC Crack Circumferential					08 05		
103.8			MGO General Observation							N1163452.33/E.497461.09
103.8			AMH Manhole							9082 (1-1-1)
103.8			FH End of Survey							

103.8 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 36	Pipe Ratings Index 3.3	Peak 4	Mean Pipe 0.3
O&M:	Pipe Rating 5	Pipe Ratings Index 1.3	Peak 2	Mean Pipe 0

Tabular Report of PSR 9016 (1-1-2) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 27 Surveyor TIM Certificate # U-07-1521 System Owner COLONY COVE

Drainage	Survey Customer	COLONY COVE				
P/O #	Date	2012/04/09	Time	14:18	Street	ENDHOVEN ST
City	ELLENTON	Further location details 9016.1 223 ENDHOVEN ST				
Start	9082 (1-1-1)	Rim to invert	6.70	Grade to invert	Rim to grade	Ft
Finish	9016 (1-1-2)	Rim to invert	6.90	Grade to invert	Rim to grade	Ft
Use	Sanitary	Direction	Up	Flow control	Media No	9016.1
Shape	Circular	Height	8	Width	ins Preclean J	Year Cleaned 2012/04/09
Material	Vitrified Clay Pipe	Joint length	Ft	Total length	79.0 Ft	Length Surveyed 79.0
Lining		Year laid		Year rehabilitated	Weather	Dry
Purpose		Cat			Pressure	
Additional info SOUTHEAST				Structural O&M Constructional		
Location Easement/Right of Way				Miscellaneous Hydraulic		
Project				Work Order		
Northing 1163388.75		Easting 497510.81		Elevation		
Coordinate System US STATE PLANE1983 (NAD 1983)				GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9082 (1-1-1)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163452.33/E.497461.09
11.6			ID Infil Dripper				12			
12.3			FL Fracture Longitudinal				11			
62.2			IW Infil Weeper				12			
79.0			MGO General Observation							N.1163388.75/E.497510.81
79.0			AMH Manhole							9016 (1-1-2)
79.0			FH End of Survey							

79.0 Ft Total Length Surveyed

Scores	Structural:	Pipe Rating 3	Pipe Ratings Index 3	Peak 3	Mean Pipe 0
	O&M:	Pipe Rating 5	Pipe Ratings Index 2.5	Peak 3	Mean Pipe 0.1

Tabular Report of PSR CO96077
A
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 28 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE				
P/O #	Date 2012/04/16	Time 13:14	Street ENDHOVEN ST		
City ELLENTON	Further location details CO96077.1 223 ENDHOVEN ST				
Start 9016 (1-1-2)	Rim to invert 6.90	Grade to invert	Rim to grade	Ft	
Finish CO96077	Rim to invert	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Up	Flow control	Media No	CO96077.1	
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned	2012/04/09
Material Vitrified Clay Pipe	Joint length	Ft	Total length 110.6	Ft	Length Surveyed 110.6
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose	Cat	Pressure			
Additional info SOUTHEAST			Structural	O&M	Constructional
Location Easement/Right of Way			Miscellaneous	Hydraulic	
Project			Work Order		
Northing 1163308.149	Easting 497572.336	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9016 (1-1-2)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163388.75/E.497510.81
3.8			IW Infil Weeper				01			
13.7			CL Crack Longitudinal				08			
18.6			IW Infil Weeper				03			
28.7			FM Fracture Multiple				05	08		
33.8			IW Infil Weeper				12			
44.0			IW Infil Weeper				12			
48.9			IW Infil Weeper				12			
54.0			IW Infil Weeper				12			
74.2			IW Infil Weeper				12			
79.1			IW Infil Weeper				01			
94.3			IW Infil Weeper				12			
99.6			CL Crack Longitudinal				09			
104.4			IW Infil Weeper				01			
109.2			IW Infil Weeper				12			
110.6			MSC Shape or Size Change	6.000						
110.6			MMC Material change							VCP TO PVC
110.6			MGO General Observation							N.1163308.149/E.497572.336
110.6			AMH Manhole							CO96077
110.6			FH End of Survey							

110.6 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 8	Pipe Ratings Index 2.7	Peak 4	Mean Pipe 0.1
O&M:	Pipe Rating 22	Pipe Ratings Index 2	Peak 2	Mean Pipe 0.2

Tabular Report of PSR CO96063 (1-1-40) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 29 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/10	Time 11:02	Street HAGUE DR
City ELLENTON	Further location details CO96063.1 319 ALKMAAR ST		
Start 9022 (1-1-38)	Rim to invert 9.70	Grade to invert	Rim to grade Ft
Finish CO96063 (1-1-40)	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO96063.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length	Ft	Total length 280.5 Ft
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural O&M Constructional	
Location Easement/Right of Way		Miscellaneous Hydraulic	
Project		Work Order	
Northing 1164073.248	Easting 498065.311	Elevation	
Coordinate System US STATE PLANE 1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
-0.1			FM Fracture Multiple					11	03	
0.0			ST Start of Survey							
0.0			AMH Manhole							9022 (1-1-38)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163928.01/E.497825.36
1.7			RFJ Roots Fine Joint				J	08		
11.4			RFJ Roots Fine Joint				J	02		
16.4			IW Infil Weeper					09		
16.5			FS Fracture Spiral					03	06	
21.3			IW Infil Weeper					12		
26.4			CL Crack Longitudinal					09		
31.2			FM Fracture Multiple					05	08	
34.0			FL Fracture Longitudinal					07		
34.5			FL Fracture Longitudinal					05		
35.5			B Broken					05	07	W/ SAND INFIL
36.5			IW Infil Weeper					12		
36.5			JOM Joint Offset Medium							
41.2			IW Infil Weeper					04	08	
46.2			IW Infil Weeper					04		
47.7			TF Tap Factory	4.000				12		
48.0			FL Fracture Longitudinal					01		
48.5			IW Infil Weeper					01		
48.6			FM Fracture Multiple					01	05	
53.2			IW Infil Weeper					12		
58.1			IW Infil Weeper					12		
63.2			FL Fracture Longitudinal					06		
63.3			IW Infil Weeper					02		
68.2			IW Infil Weeper					12		
73.2			IW Infil Weeper					12		
73.3			FL Fracture Longitudinal					11		
75.1			FM Fracture Multiple					01	09	

Tabular Report of PSR CO96063 (1-1-40) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 29 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/10	Time 11:02	Street HAGUE DR
City ELLENTON	Further location details CO96063.1 319 ALKMAAR ST		
Start 9022 (1-1-38)	Rim to invert 9.70	Grade to invert	Rim to grade Ft
Finish CO96063 (1-1-40)	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO96063.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 280.5 Ft	Length Surveyed 280.5
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural O&M Constructional	
Location Easement/Right of Way		Miscellaneous Hydraulic	
Project		Work Order	
Northing 1164073.248	Easting 498065.311	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
%	JntFr	To	ImRef
Remarks			
77.3	12	12	PIPE IS SHATTERED
78.6	09	11	
83.1	12		
88.2	12		
93.1	03		
98.0	12		
103.0	09		
107.9	12		
113.0	09		
117.8	09		
122.9	J	10	02
122.9	12		
128.0	09		
133.0	07		
137.7	05	09	
137.8	J	11	
137.8	04	10	
142.7	J	10	02
144.2		12	
146.3		12	
156.7	J	10	02
156.7	12		
161.7	03		
166.5	04	07	
171.4	07		
171.4	J	09	03
171.6	01		
186.5	02		
189.7	08		
190.4	12		
191.5	J	04	
191.9	08		
201.5	J	01	
201.9	04	06	

Tabular Report of PSR CO96063 (1-1-40) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 29 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/10	Time 11:02	Street HAGUE DR
City ELLENTON	Further location details CO96063.1 319 ALKMAAR ST		
Start 9022 (1-1-38)	Rim to invert 9.70	Grade to invert	Rim to grade Ft
Finish CO96063 (1-1-40)	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO96063.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 280.5 Ft	Length Surveyed 280.5
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164073.248	Easting 498065.311	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
203.0	TFC Tap Factory Capped	4.000	12
203.4	RFJ Roots Fine Joint		J 12 12
204.8	TF Tap Factory	4.000	12
205.3	RFJ Roots Fine Joint		J 10
218.7	FL Fracture Longitudinal		09
220.4	FS Fracture Spiral		05 08
225.3	RFJ Roots Fine Joint		J 07 09
230.2	RFJ Roots Fine Joint		J 10
234.9	RFJ Roots Fine Joint		J 08
240.2	CL Crack Longitudinal		09
249.5	FM Fracture Multiple		11 01
250.2	CL Crack Longitudinal		02
254.9	RFJ Roots Fine Joint		J 09
260.1	IW Infil Weeper		09
271.7	TF Tap Factory	4.000	12
273.5	TF Tap Factory	4.000	12
280.5	TF Tap Factory	4.000	12
280.5	MGO General Observation		
280.5	AMH Manhole		
280.5	FH End of Survey		

280.5 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 92	Pipe Ratings Index 3.2	Peak 5	Mean Pipe 0.3
O&M:	Pipe Rating 67	Pipe Ratings Index 1.6	Peak 3	Mean Pipe 0.2

Notes

LINE WAS ROOT CUT

Tabular Report of PSR 9022 (1-1-38)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 30
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/10	Time 12:56	Street HAGUE DR			
City ELLENTON	Further location details 9022.1 303 HOLLAND ST					
Start 9024 (1-1-19))	Rim to invert 6.50	Grade to invert	Rim to grade	Ft		
Finish 9022 (1-1-38)	Rim to invert 9.70	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control		Media No 9022.1		
Shape Circular	Height 8	Width	ins Preclean J	Year Cleaned 2012/04/10		
Material Vitrified Clay Pipe	Joint length	Ft	Total length 155.8	Ft	Length Surveyed 155.8	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info NORTHWEST			Structural Miscellaneous O&M Hydraulic Constructional			
Location Easement/Right of Way						
Project			Work Order			
Northing 1163928.01	Easting 497825.36	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy			

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9024 (1-1-19))
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163813.59/E.497928.47
9.3			FL Fracture Longitudinal					11		
16.8			IW Infil Weeper					12		
18.2			TFC Tap Factory Capped	4.000				12		
23.6			IW Infil Weeper					02		
33.6			FL Fracture Longitudinal					09		
44.9			TF Tap Factory	4.000				12		
56.8			TF Tap Factory	4.000				12		
62.3			IW Infil Weeper					10		
72.2			IW Infil Weeper					03		
77.4			CL Crack Longitudinal					07		
82.2			IW Infil Weeper					12		
87.2			IW Infil Weeper					12		
92.3			IW Infil Weeper					12		
102.2			ID Infil Dripper					12		
108.4			TF Tap Factory	4.000				12		
114.1			ID Infil Dripper					12		
119.0			IW Infil Weeper					12		
124.0			IW Infil Weeper					12		
128.9			IW Infil Weeper					01		
133.9			IW Infil Weeper					02	09	
138.8			IW Infil Weeper					02	10	
143.8			IW Infil Weeper					01	10	
153.8			IR Infil Runner					12		
155.8			MGO General Observation							N.1163928.01/E.497825.36
155.8			AMH Manhole							9022 (1-1-38)
155.8			FH End of Survey							

155.8 Ft Total Length Surveyed

Tabular Report of PSR 9022 (1-1-38)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 30 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/10	Time 12:56	Street HAGUE DR			
City ELLENTON	Further location details 9022.1 303 HOLLAND ST					
Start 9024 (1-1-19))	Rim to invert 6.50	Grade to invert	Rim to grade	Ft		
Finish 9022 (1-1-38)	Rim to invert 9.70	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Up	Flow control		Media No 9022.1		
Shape Circular	Height 8	Width	ins	Preclean J	Year Cleaned 2012/04/10	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 155.8	Ft	Length Surveyed 155.8	
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info NORTHWEST			Structural O&M Constructional			
Location Easement/Right of Way			Miscellaneous Hydraulic			
Project			Work Order			
Northing 1163928.01	Easting 497825.36	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)			GPS Accuracy			

Scores

Structural:	Pipe Rating 8	Pipe Ratings Index 2.7	Peak 3	Mean Pipe 0.1
O&M:	Pipe Rating 36	Pipe Ratings Index 2.3	Peak 4	Mean Pipe 0.2

Tabular Report of PSR 9024 (1-1-19)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 31 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/10	Time 13:49	Street HAGUE DR
City ELLENTON	Further location details 9024.1 314 HAGUE DR		
Start 9024 (1-1-19)	Rim to invert 6.50	Grade to invert	Rim to grade Ft
Finish 9025 (1-1-18)	Rim to invert 4.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 9024.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 121.6	Ft Length Surveyed 121.6
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163813.59	Easting 497928.47	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9024 (1-1-19)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163813.59/E.497928.47
11.8			IW Infil Weeper				12			
21.7			IW Infil Weeper				12			
22.1			FM Fracture Multiple				05	09		
26.4			CL Crack Longitudinal				09			
36.5			IW Infil Weeper				02			
41.4			CL Crack Longitudinal				09			
46.5			IW Infil Weeper				10			
56.2			IW Infil Weeper				12			
71.1			IW Infil Weeper				12			
80.8			IW Infil Weeper				03			
85.8			ID Infil Dripper				01	11		
95.7			IW Infil Weeper				11			
100.7			IW Infil Weeper				12			
105.5			IW Infil Weeper				12			
115.5			IW Infil Weeper				03	10		
121.6			MGO General Observation							N.1163718.32/E.497851.02
121.6			AMH Manhole							9025 (1-1-18)
121.6			FH End of Survey							

121.6 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 8	Pipe Ratings Index 2.7	Peak 4	Mean Pipe 0.1
O&M:	Pipe Rating 25	Pipe Ratings Index 2.1	Peak 3	Mean Pipe 0.2

Tabular Report of PSR 11124 (1-1-26) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 32 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/11	Time 14:48	Street DEN HELDER AVE
City ELLENTON	Further location details 11124.1 336 DEN HELDER AVE		
Start 11124 (1-1-26)	Rim to invert 2.90	Grade to invert	Rim to grade Ft
Finish 11125B	Rim to invert 2.60	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 11124.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 139.8 Ft	Length Surveyed 139.8
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural O&M Constructional	
Location Easement/Right of Way		Miscellaneous Hydraulic	
Project		Work Order	
Northing 1163667.07	Easting 498308.61	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							11124 (1-1-26)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163667.07/E.498308.61
0.0			TB Tap Break-in	4.000			12			
0.0			FS Fracture Spiral				07	12		
46.1			TF Tap Factory	4.000			11			
52.4			IW Infil Weeper				09			
97.6			TF Tap Factory	4.000			11			
134.7			FL Fracture Longitudinal				09			
135.0			MGO General Observation							HIGH WATER DUE TO FORCE MA
135.0			TBD Tap Break-in Defective	2.000			10			
135.3			FL Fracture Longitudinal				10			
139.8			MGO General Observation							N.1163582.996/E.498196.891
139.8			AMH Manhole							111258
139.8			FH End of Survey							

139.8 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 9	Pipe Ratings Index 3	Peak 3	Mean Pipe 0.1
O&M:	Pipe Rating 5	Pipe Ratings Index 1.7	Peak 3	Mean Pipe 0

Tabular Report of PSR 111258
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 33 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer	COLONY COVE				
P/O #	Date	2012/04/11	Time	15:49	Street	DEN HELDER AVE
City	ELLENTON	Further location details 111258.1 332 DEN HELDER AVE				
Start	11125B	Rim to invert	2.60	Grade to invert	Rim to grade	Ft
Finish	96062 (1-1-24)	Rim to invert	2.60	Grade to invert	Rim to grade	Ft
Use	Sanitary	Direction	Down	Flow control	Media No	111258.1
Shape	Circular	Height	8	Width	ins	Preclean J
Material	Vitrified Clay Pipe	Joint length	Ft	Total length	98.0	Ft
Lining		Year laid		Year rehabilitated		Weather Dry
Purpose		Cat			Pressure	
Additional info SOUTHWEST				Structural O&M Constructional Miscellaneous Hydraulic		
Location Easement/Right of Way						
Project				Work Order		
Northing	1163582.996	Easting	498196.891	Elevation		
Coordinate System US STATE PLANE1983 (NAD 1983)				GPS Accuracy		

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							111258
0.0			MWL Water Level			10				
0.0			MGO General Observation							N1163582.996/E.498196.891
0.0			MGO General Observation							PIPE WAS NOT CLEANED DUE TO
21.9			FS Fracture Spiral				01	04		
21.9			MGO General Observation							HIGH WATER DUE TO FORCE MA
26.8			FL Fracture Longitudinal				05			
26.9			FC Fracture Circumferential				04	08		
52.3			TFC Tap Factory Capped	4.000			01			
58.1			CL Crack Longitudinal				09			
63.6			FS Fracture Spiral				02	04		
73.1			BSV Broken Soil Visible				01	07		PIPE IS MISSING
73.1			MSA Abandoned Survey							DUE TO BROKEN PIPE

73.1 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 18	Pipe Ratings Index 3	Peak 5	Mean Pipe 0.2
O&M:	Pipe Rating 0	Pipe Ratings Index 0	Peak 0	Mean Pipe 0

Notes

SEE RUN 37 FOR COMPLETE CCTV AFTER PIPE REPAIR.

Tabular Report of PSR CO96075
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 34
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/12	Time 12:17	Street ALAKMAAR ST
City ELLENTON	Further location details CO96075.1 327 ALAKMAAR ST		
Start 96074 (1-1-25)	Rim to invert 3.00	Grade to invert	Rim to grade Ft
Finish CO96075	Rim to invert	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No CO96075.1
Shape Circular	Height 8 Width	ins Preclean J	Year Cleaned 2012/04/12
Material Vitrified Clay Pipe	Joint length	Ft Total length 178.5 Ft	Length Surveyed 178.5
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTH		Structural	O&M Constructional
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1164034.008	Easting 498338.244	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							96074 (1-1-25)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163876.873/E495637.686
14.2			TFC Tap Factory Capped	4.000				12		
26.2			CL Crack Longitudinal					03		
29.2			B Broken					05 08		
29.9			HSV Hole Soil Visible					09		
46.3			FL Fracture Longitudinal					07		
60.2			CL Crack Longitudinal					11		
70.0			FL Fracture Longitudinal					10		
81.3			TF Tap Factory	4.000				12		BLOCKED W/ ROOTS AND DIRT
81.4			RFJ Roots Fine Joint				J	04		
86.6			CL Crack Longitudinal					04		
86.6			RFJ Roots Fine Joint				J	09		
90.7			FL Fracture Longitudinal					09		
91.9			FL Fracture Longitudinal					01		
133.0			TF Tap Factory	4.000				12		
173.8			IW Intl Weeper					12		
177.5			MMC Material change							VCP TO PVC
178.5			MGO General Observation							N.1164034.008/E.498338.244
178.5			AMH Manhole							CO96075
178.5			FH End of Survey							

178.5 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 28	Pipe Ratings Index 3.1	Peak 5	Mean Pipe 0.2
O&M:	Pipe Rating 4	Pipe Ratings Index 1.3	Peak 2	Mean Pipe 0

Tabular Report of PSR 96074 (1-1-25) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 35 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/12	Time 13:13	Street ALAKMAAR ST
City ELLENTON	Further location details 96074.1 333 ALAKMAAR ST		
Start 96074 (1-1-25)	Rim to invert 3.00	Grade to invert	Rim to grade Ft
Finish 11124 (1-1-26)	Rim to invert 2.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 96074.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 190.3 Ft	Length Surveyed 190.3
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTH		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163863.002	Easting 498354.048	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							96074 (1-1-25)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163863.002/E.498354.048
3.0			CL Crack Longitudinal				04			
5.0			FM Fracture Multiple				05	08		
31.0			CL Crack Longitudinal				09			
40.5			RFJ Roots Fine Joint				J	09		
45.1			FL Fracture Longitudinal				10			
45.9			RFJ Roots Fine Joint				J	08		
60.7			RFJ Roots Fine Joint				J	12	12	
64.4			FL Fracture Longitudinal				09			
65.4			TF Tap Factory	4.000			11			
72.6			FL Fracture Longitudinal				12			
72.6			RFJ Roots Fine Joint				J	06	10	
76.7			FM Fracture Multiple				12	12		
77.0			RFJ Roots Fine Joint				J	03		
80.8			FL Fracture Longitudinal				09			
82.2			RFJ Roots Fine Joint				J	04		
86.7			RFJ Roots Fine Joint				J	07	12	
96.9			RFJ Roots Fine Joint				J	07	04	
111.5			CL Crack Longitudinal				09			
117.4			TF Tap Factory	4.000			11			
124.6			TFC Tap Factory Capped	4.000			11			
125.9			RFJ Roots Fine Joint				J	09	12	
135.4			MMC Material change							VCP TO DIP
135.4		S01	SCP Surface Corrosion Metal Pipe				12	12		
188.5			DAZ Deposits Attached Other			10	06			SCALE
190.3			MGO General Observation							N1163667.07/E.498308.61
190.3		F01	SCP Surface Corrosion Metal Pipe				12	12		
190.3			AMH Manhole							11124 (1-1-26)

Tabular Report of PSR 96074 (1-1-25) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 35 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/12	Time 13:13	Street ALAKMAAR ST
City ELLENTON	Further location details 96074.1 333 ALAKMAAR ST		
Start 96074 (1-1-25)	Rim to invert 3.00	Grade to invert	Rim to grade Ft
Finish 11124 (1-1-26)	Rim to invert 2.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 96074.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 190.3 Ft	Length Surveyed 190.3
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTH		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Constructional
Project		Work Order	
Northing 1163863.002	Easting 498354.048	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
190.3	FH End of Survey		

190.3 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 59	Pipe Ratings Index 3	Peak 4	Mean Pipe 0.3
O&M:	Pipe Rating 11	Pipe Ratings Index 1.1	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 96062 (1-1-24) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 36 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/13	Time 8:55	Street DEN HELDER AVE
City ELLENTON	Further location details 96062.1 330 DEN HELDER AVE		
Start 96062 (1-1-24)	Rim to invert 2.60	Grade to invert	Rim to grade Ft
Finish 9025 (1-1-18)	Rim to invert 4.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 96062.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 306.2 Ft	Length Surveyed 306.2
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHWEST		Structural O&M Constructional Miscellaneous Hydraulic	
Location Easement/Right of Way		Work Order	
Project	Northing 1163561.076	Easting 498117.634	Elevation
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							96062 (1-1-24)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163561.076/E.498117.634
1.5			FL Fracture Longitudinal					03		
21.0			TFC Tap Factory Capped	4.000				12		
30.8			FM Fracture Multiple					05 07		
36.5			CL Crack Longitudinal					09		
42.0			RFJ Roots Fine Joint				J	07		
50.7			FL Fracture Longitudinal					09		
51.0			FL Fracture Longitudinal					05		
66.5			FM Fracture Multiple					03 08		
67.0			HVV Hole Void Visible					07		
67.0			FM Fracture Multiple					05 08		
67.6			TF Tap Factory	4.000				12		
78.0			FL Fracture Longitudinal					12		
78.3			TBD Tap Break-in Defective	4.000				12		
79.6			CM Crack Multiple					07 08		
88.7			FL Fracture Longitudinal					03		
93.4			FM Fracture Multiple					03 08		
103.6			FL Fracture Longitudinal					08		
113.3			RFJ Roots Fine Joint				J	10		
116.1			FS Fracture Spiral					12 02		
119.2			TF Tap Factory	4.000				12		
140.3			FL Fracture Longitudinal					08		
155.1			CM Crack Multiple					09 01		
160.3			RFJ Roots Fine Joint				J	12 03		
166.1			TF Tap Factory	4.000				12		
187.3			RFJ Roots Fine Joint				J	09 11		
192.3			RFJ Roots Fine Joint				J	08 09		
200.1			CL Crack Longitudinal					12		

Tabular Report of PSR 96062 (1-1-24) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 36 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/13	Time 8:55	Street DEN HELDER AVE
City ELLENTON	Further location details 96062.1 330 DEN HELDER AVE		
Start 96062 (1-1-24)	Rim to invert 2.60	Grade to invert	Rim to grade Ft
Finish 9025 (1-1-18)	Rim to invert 4.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 96062.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 306.2 Ft	Length Surveyed 306.2
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHWEST		Structural O&M Constructional	
Location Easement/Right of Way		Miscellaneous Hydraulic	
Project		Work Order	
Northing 1163561.076	Easting 498117.634	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	
Count Video	CD Code	In1	In2
		%	JntFr To ImRef
201.5	TB Tap Break-in	4.000	12
201.8	FL Fracture Longitudinal		12
217.4	TF Tap Factory	4.000	12
223.6	RFJ Roots Fine Joint		J 08 03
238.7	FL Fracture Longitudinal		01
240.5	TB Tap Break-in	4.000	12
240.9	CC Crack Circumferential		10 12
248.4	IW Infil Weeper		01 09
258.3	CM Crack Multiple		01 03
258.3	IW Infil Weeper		10
258.7	FL Fracture Longitudinal		12
264.1	TFC Tap Factory Capped	4.000	12
269.1	FL Fracture Longitudinal		03
269.9	FS Fracture Spiral		06 09
285.2	IW Infil Weeper		12
306.2	MGO General Observation		N.1163718.32/E.497851.02
306.2	AMH Manhole		9025 (1-1-18)
306.2	FH End of Survey		

306.2 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 74	Pipe Ratings Index 3.1	Peak 9	Mean Pipe 0.2
O&M:	Pipe Rating 15	Pipe Ratings Index 1.3	Peak 3	Mean Pipe 0

Tabular Report of PSR 111258
A
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 37 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/13	Time 12:49	Street DEN HELDER AVE
City ELLENTON	Further location details 111258.1 332 DEN HELDER AVE		
Start 96062 (1-1-24)	Rim to invert 2.60	Grade to invert	Rim to grade Ft
Finish 11125B	Rim to invert 2.60	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 111258.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 93.9	Year Cleaned 2012/04/13
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural O&M Constructional Miscellaneous Hydraulic	
Location Easement/Right of Way		Work Order	
Project	Northing 1163582.996	Easting 498196.891	Elevation
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							96062
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163560.326/E.498105.185
2.0			TD Tap Break-in	4.000			12			
15.6			MMC Material change							VCP TO PVC
21.6			MMC Material change							PVC TO VCP
29.7			FL Fracture Longitudinal				03			
35.9			FL Fracture Longitudinal				10			
42.0			TFC Tap Factory Capped	4.000			12			
52.6			CL Crack Longitudinal				12			
56.8			CL Crack Longitudinal				03	09		
66.7			FM Fracture Multiple				09	11		
72.0			FC Fracture Circumferential							
93.9			MGO General Observation							N.1163582.996/E.498196.891
93.9			AMH Manhole							11125B
93.9			FH End of Survey							

93.9 Ft Total Length Surveyed
Scores

Structural: Pipe Rating 16	Pipe Ratings Index 2.7	Peak 4	Mean Pipe 0.2
O&M: Pipe Rating 0	Pipe Ratings Index 0	Peak 0	Mean Pipe 0

Notes

THIS IS A RESURVEY OF SETUP 33 AFTER REPAIR

Tabular Report of PSR 9025
A
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 38 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage	Survey Customer COLONY COVE					
P/O #	Date 2012/04/13	Time 13:42	Street DEN HELDER AVE			
City ELLENTON	Further location details 9025.1 320 DEN HELDER AVE					
Start 9025 (1-1-18)	Rim to invert 4.90	Grade to invert	Rim to grade	Ft		
Finish 9026 (1-1-16)	Rim to invert 5.00	Grade to invert	Rim to grade	Ft		
Use Sanitary	Direction Down	Flow control	Media No 9025.1			
Shape Circular	Height 8	Width ins	Preclean J	Year Cleaned 2012/04/13		
Material Vitrified Clay Pipe	Joint length Ft	Total length 91.5	Ft	Length Surveyed 91.5		
Lining	Year laid	Year rehabilitated	Weather Dry			
Purpose	Cat	Pressure				
Additional info WEST			Structural	O&M	Constructional	
Location Easement/Right of Way			Miscellaneous	Hydraulic		
Project			Work Order			
Northing 1163718.32	Easting 497851.02	Elevation				
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy				

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9025
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163718.32/E.497851.02
5.0			IW Infil Weeper				12			
7.5			CC Crack Circumferential				12	12		
30.6			IW Infil Weeper				08			
56.2			TB Tap Break-in	4.000			12			
56.7			FL Fracture Longitudinal				12			
80.3			CL Crack Longitudinal				09			
91.5			MGO General Observation							N.1163687.30/E.497764.87
91.5			AMH Manhole							9026
91.5			FH End of Survey							

91.5 Ft Total Length Surveyed
Scores

Structural:	Pipe Rating 6	Pipe Ratings Index 2	Peak 3	Mean Pipe 0.1
O&M:	Pipe Rating 4	Pipe Ratings Index 1.3	Peak 2	Mean Pipe 0

Tabular Report of PSR 9026
A
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 39 Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/13	Time 14:19	Street S UTRECHT ST
City ELLENTON	Further location details 9026.1 313 S UTRECHT ST		
Start 9082 (1-1-1)	Rim to invert 6.70	Grade to invert	Rim to grade Ft
Finish 9026 (1-1-16)	Rim to invert 5.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9026.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 385.0 Ft	Length Surveyed 385.0
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163687.30	Easting 497764.87	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9082
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163452.33/E.497461.09
0.0			CC Crack Circumferential				12	12		
26.4			IW Infil Weeper				12			
46.3			IW Infil Weeper				11			
71.1			IW Infil Weeper				01			
76.1			IW Infil Weeper				09			
85.9			IW Infil Weeper				12			
95.9			IW Infil Weeper				10			
115.6			IW Infil Weeper				12			
125.5			IW Infil Weeper				11			
135.5			IW Infil Weeper				11			
140.4			FL Fracture Longitudinal				05			
160.1			IW Infil Weeper				12			
164.6			CL Crack Longitudinal				12			
165.2			IW Infil Weeper				01			
194.7			IW Infil Weeper				12			
204.8			IW Infil Weeper				09			
214.1			CL Crack Longitudinal				04			
248.2			CL Crack Longitudinal				08			
253.3			FL Fracture Longitudinal				08			
302.5			FL Fracture Longitudinal				03			
303.0			FL Fracture Longitudinal				05			
333.5			IW Infil Weeper				12			
358.2			IW Infil Weeper				12			
382.0			CC Crack Circumferential				12	12		
385.0			MGO General Observation							N.1163687.30/E.497764.87
385.0			AMH Manhole							9026
385.0			FH End of Survey							

Tabular Report of PSR 9026
A
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 39 **Surveyor** TIM **Certificate #** U-307-1521 **System Owner** COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/13	Time 14:19	Street S UTRECHT ST
City ELLENTON	Further location details 9026.1 313 S UTRECHT ST		
Start 9082 (1-1-1)	Rim to invert 6.70	Grade to invert	Rim to grade Ft
Finish 9026 (1-1-16)	Rim to invert 5.00	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9026.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 385.0 Ft	Length Surveyed 385.0
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info NORTHEAST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163687.30	Easting 497764.87	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

385.0 Ft **Total Length Surveyed**
Scores

Structural:	Pipe Rating 20	Pipe Ratings Index 2.2	Peak 3	Mean Pipe 0.1
O&M:	Pipe Rating 30	Pipe Ratings Index 2	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 9082 (1-1-1) A for COLONY COVE INITIAL CCTV SANITARY 201

Setup 40 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/16	Time 8:01	Street S UTRECHT ST
City ELLENTON	Further location details 9026.1 202 S UTRECHT ST		
Start 9082 (1-1-1)	Rim to invert 6.70	Grade to invert	Rim to grade Ft
Finish 22875 (1-1)	Rim to invert 7.30	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Down	Flow control	Media No 9082.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 109.5 Ft	Length Surveyed 109.5
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163452.33	Easting 497461.06	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9082 (1-1-1)
0.0			MWL Water Level			10				
0.1			MGO General Observation							N.1163452.33/E.497461.09
18.8			IW Infil Weeper				03	11		
54.0			IW Infil Weeper				10			
83.1			IW Infil Weeper				12			
102.8			IW Infil Weeper				12			
109.5			MGO General Observation							N.1163387.77/E.497377.53
109.5			AMH Manhole							22875 (1-1)
109.5			FH End of Survey							

109.5 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 0	Pipe Ratings Index 0	Peak 0	Mean Pipe 0
O&M:	Pipe Rating 8	Pipe Ratings Index 2	Peak 2	Mean Pipe 0.1

Tabular Report of PSR 9031 (1-2-A) X for COLONY COVE INITIAL CCTV SANITARY 2012

Setup 41 To 42 Surveyor TIM

Certificate # U-307-1521

Drainage		Survey Customer COLONY COVE		System Owner COLONY COVE	
P/O #		Date 2012/04/16	Time 8:55	Street AMSTERDAM AVE	
City ELLENTON		Further location details 9031.1 217 AMSTERDAM AVE			
Start 9031 (1-2-A)	Rim to invert 5.90	Grade to invert	Rim to grade	Ft	
Finish 9029 (1-1)	Rim to invert 5.30	Grade to invert	Rim to grade	Ft	
Use Sanitary	Direction Down	Flow control		Media No 9031.1	
Shape Circular	Height 8	Width	ins Preclean J	Year Cleaned 2012/04/02	
Material Vitrified Clay Pipe	Joint length	Ft	Total length 110.0	Ft	Length Surveyed 76.8
Lining	Year laid	Year rehabilitated	Weather Dry		
Purpose		Cat	Pressure		
Additional info NORTHEAST				Structural	O&M
Location Easement/Right of Way				Miscellaneous	Hydraulic
Project				Work Order	
Northing 1163228.94	Easting 497150.50	Elevation			
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy			
Count Video	CD Code	In1	In2	% JntFr	To ImRef
0.0	ST Start of Survey				
0.0	AMH Manhole				9031 (1-2-A)
0.0	MWL Water Level			10	
12.7	MGO General Observation				N.1163228.94/E.497150.50
21.6	IW Infil Weeper			01	
31.2	CL Crack Longitudinal			03	
31.6	IW Infil Weeper			10	
36.5	IW Infil Weeper			02	
56.4	IW Infil Weeper			02	
56.4	IW Infil Weeper			02	10
76.8	MMC Material change				VCP TO DIP
76.8	SCP Surface Corrosion Metal Pipe			12	12
94.8	SCP Surface Corrosion Metal Pipe			06	06
94.8	MMC Material change				VCP TP DIP
95.0	FM Fracture Multiple			01	11
108.9	MGO General Observation				N.1163293.12/E.497239.82
110.4	MWL Water Level			10	
110.4	AMH Manhole				9029 (1-1)
110.4	FH End of Survey				

110.4 Ft Total Length Surveyed

Tabular Report of PSR 9031 (1-2-A) X for COLONY COVE INITIAL CCTV SANITARY 201

Setup 42 Surveyor TIM Certificate # U-307-1521 System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/16	Time 9:19	Street AMSTERDAM AVE
City ELLENTON	Further location details 9031.1 217 AMSTERDAM AVE		
Start 9029 (1-1)	Rim to invert 5.30	Grade to invert	Rim to grade Ft
Finish 9031 (1-2-A)	Rim to invert 5.90	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9031.1
Shape Circular	Height 8	Width ins	Preclean J
Material Vitrified Clay Pipe	Joint length Ft	Total length 110.0 Ft	Length Surveyed 15.6
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info Reverse set up on sheet:41		Structural	O&M
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163228.94	Easting 497150.50	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							9029 (1-1)
0.0			MWL Water Level			10				
1.5			MGO General Observation							N.1163293.12/E497239.82
15.4			FM Fracture Multiple				81	85		
15.6			MMC Material change							VCP TP DIP
15.6			SCP Surface Corrosion Metal Pipe				12	12		
15.6			MSA Abandoned Survey							DUE TO SURFACE CORROSION

15.6 Ft Total Length Surveyed

Scores

Structural:	Pipe Rating 7	Pipe Ratings Index 3.5	Peak 4	Mean Pipe 0.4
O&M:	Pipe Rating 0	Pipe Ratings Index 0	Peak 0	Mean Pipe 0

Tabular Report of PSR 9029 (1-1)
X
for COLONY COVE INITIAL CCTV SANITARY 201
Setup 43
Surveyor TIM
Certificate # U-307-1521
System Owner COLONY COVE

Drainage		Survey Customer COLONY COVE	
P/O #	Date 2012/04/16	Time 9:46	Street AMELO AVE
City ELLENTON	Further location details 9029.1 214 AMELO AVE		
Start 22875 (1-1)	Rim to invert 7.30	Grade to invert	Rim to grade Ft
Finish 9029 (1-1)	Rim to invert 5.10	Grade to invert	Rim to grade Ft
Use Sanitary	Direction Up	Flow control	Media No 9029.1
Shape Circular	Height 8 Width	ins Preclean J	Year Cleaned 2012/04/16
Material Vitrified Clay Pipe	Joint length Ft	Total length 165.4 Ft	Length Surveyed 165.4
Lining	Year laid	Year rehabilitated	Weather Dry
Purpose	Cat	Pressure	
Additional info SOUTHWEST		Structural	O&M Constructional
Location Easement/Right of Way		Miscellaneous	Hydraulic
Project		Work Order	
Northing 1163452.33	Easting 497461.06	Elevation	
Coordinate System US STATE PLANE1983 (NAD 1983)		GPS Accuracy	

Count	Video	CD	Code	In1	In2	%	JntFr	To	ImRef	Remarks
0.0			ST Start of Survey							
0.0			AMH Manhole							22875 (1-1)
0.0			MWL Water Level			10				
0.0			MGO General Observation							N.1163387.77/E.497377.53
16.6			IW Infil Weeper				09			
21.6			FL Fracture Longitudinal				01			
31.3			RFJ Roots Fine Joint			J	11			
31.3			IW Infil Weeper				12			
35.0			FL Fracture Longitudinal				05			
35.6			FM Fracture Multiple				12	02		
36.6			FM Fracture Multiple				01	05		
41.2			IW Infil Weeper				12			
84.9			FM Fracture Multiple				10	02		
91.0			FS Fracture Spiral				03	05		
94.6			FL Fracture Longitudinal				05			
94.9			FL Fracture Longitudinal				07			
104.8			FM Fracture Multiple				09	01		
110.5			IW Infil Weeper				12			
115.7			IW Infil Weeper				09			
130.4			IW Infil Weeper				11			
135.3			IW Infil Weeper				12			
150.1			IW Infil Weeper				12			
155.0			IW Infil Weeper				10			
159.9			FL Fracture Longitudinal				04			
159.9			CL Crack Longitudinal				09			
160.1			IW Infil Weeper				03	09		
165.4			MGO General Observation							N.1163293.12/E.497239.82
165.4			AMH Manhole							9029 (1-1)
165.4			FH End of Survey							

165.4 Ft Total Length Surveyed