

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

Manhole Inspections:

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

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

Sheet No. 2 Surveyor's name 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 1162831.95 Easting 496725.11 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

- | | |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> Solid | <input type="checkbox"/> Bolted |
| <input type="checkbox"/> Vented/Slots | <input type="checkbox"/> Locking |
| <input type="checkbox"/> Gasketed | <input type="checkbox"/> Inner Cover |
| <input type="checkbox"/> Hatch Single | <input type="checkbox"/> Lamphole |
| <input type="checkbox"/> Hatch Double | |

Cover Condition

- | | |
|--|--|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Bolts Missing |
| <input type="checkbox"/> Restraint Missing | |
| <input type="checkbox"/> Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Poorly Fitting | <input type="checkbox"/> Corroded |
| <input type="checkbox"/> Cracked/Torn/Holes | <input type="checkbox"/> 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

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Offset |
| <input type="checkbox"/> 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 9028

Report Date 2012/06/15

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 9028.1
 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 Bearing Surface Diameter: 24.0 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. 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

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|----------------------------------|--|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input checked="" type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Offset Distance: 0 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Offset |
| <input type="checkbox"/> 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. 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 9042.1
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 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

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> Solid | <input type="checkbox"/> Bolted |
| <input checked="" type="checkbox"/> Vented/Slots | <input type="checkbox"/> Locking |
| <input type="checkbox"/> Gasketed | <input type="checkbox"/> Inner Cover |
| <input type="checkbox"/> Hatch Single | <input type="checkbox"/> Lamphole |
| <input type="checkbox"/> Hatch Double | |

Cover Condition

- | | |
|--|--|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Bolts Missing |
| <input type="checkbox"/> Restraint Missing | |
| <input type="checkbox"/> Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Poorly Fitting | <input type="checkbox"/> Corroded |
| <input type="checkbox"/> Cracked/Torn/Holes | <input type="checkbox"/> 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

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Offset Distance: 5 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Offset |
| <input type="checkbox"/> 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	Direc	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

MACP Survey Report 9025

Report Date 2012/06/15

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 9025.1
 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 497851.72 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: 24.0 in. Cover Size Width: Cover Bearing Surface Diameter Width:
 Cover Material: Cast Iron Cover Frame Fit: Good
 Vent Hole Diameter: # 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

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|----------------------------------|--|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input checked="" type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Offset |
| <input type="checkbox"/> 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	Dir	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. 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 1163388.75 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) ENDHOVEN 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

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Offset Distance: 7 in.

Frame Depth:

Frame Seal Inflow: None

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Offset |
| <input type="checkbox"/> 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		
5.6 ft.		WI	IW							10	11		

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

- | | |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> Solid | <input type="checkbox"/> Bolted |
| <input type="checkbox"/> Vented/Slots | <input type="checkbox"/> Locking |
| <input type="checkbox"/> Gasketed | <input type="checkbox"/> Inner Cover |
| <input type="checkbox"/> Hatch Single | <input type="checkbox"/> Lamphole |
| <input type="checkbox"/> Hatch Double | |

Cover Condition

- | | |
|--|--|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Bolts Missing |
| <input type="checkbox"/> Restraint Missing | |
| <input type="checkbox"/> Restraint Defective | |

Cover Insert

Cover Insert Type: None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Poorly Fitting | <input type="checkbox"/> Corroded |
| <input type="checkbox"/> Cracked/Torn/Holes | <input type="checkbox"/> 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

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|----------------------------------|--|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input checked="" type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Offset Distance: 6 in.

Frame Depth:

Frame Seal Inflow: Infil Weeper

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Offset |
| <input type="checkbox"/> 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	Dir	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