APPENDIX B
Manhole Inspection Logs

Manhole ID: MH1065 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:02:00 PM Street: Merline Rd

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Surcharge Evidence: None

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

Cone: Precast Concrete Good None

Grease Visible: None Good Walls: **Brick** Staining

Roots Evident: No **Brick** Bench: Good None **Brick** Good None

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 4 Quantity of Cover Holes: Present: Yes

Channel:

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed

Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 3 Inlet 4 Inlet 5 Inlet 2 11 11 2 **Clock Position**

6 8 10 8 Diameter (inches)

PVC PVC PVC PVC PVC: Pipe Material **Plan View**

Sound Sound Sound Pipe Seal Condition Sound

Outlets

Outlet 1

6 **Clock Position**

9.66 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments Inlet 2 to 3 is a drop. Inlet 4 to 5 is a drop. Outlet

Manhole ID: MH1074 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 10:27:00 AM Street: Quarry Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good Staining Cone:

Grease Visible: None Good **Precast Concrete** Staining Walls:

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32 Vented

Cover Type: Steps: Cover Hole Diameter (in): 1 5

Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

6 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position** 10.1

Diameter (inches)

PVC Pipe Material

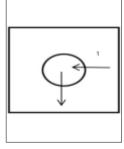
Sound Pipe Seal Condition

Comments

Staining around cone.

Plan View

None



Manhole ID: MH1080 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 10:38:00 AM Street: Seneca Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: ves

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

5% sediment in channel None Chimney:

Precast Concrete Good None Cone: Grease Visible: None

Good **Precast Concrete** Walls: Staining Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: No Flo Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed Channel Type:

Channel Exposure: Inlets

PVC

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

9 3

Clock Position

6 10.83 4 Diameter (inches)

PVC

Sound Pipe Seal Condition Sound

PVC

Outlets Outlet 1

6

Clock Position

11.08 Diameter (inches)

PVC Pipe Material

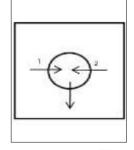
Sound Pipe Seal Condition

Comments

Pipe Material

inlet 1 to 2 is a drop

Plan View



Formed

Manhole ID: MH1109 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 10:22:00 AM **Street: Trout Stream Dr Easement**

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: Grade Ring: None

Spray Concrete None Good Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Solid Steps: Cover Hole Diameter (in): 2

Quantity of Cover Holes: Present: No

At Grade Cover Elevation: Cover Fit: Good Condition:

4

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

9 11 11

Clock Position

8 8 8 Diameter (inches)

PVC Pipe Material unknown Cast Iron

Sound Sound Pipe Seal Condition

Outlets Outlet 1

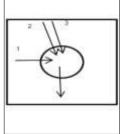
6 **Clock Position**

13.25 Diameter (inches)

unknown Pipe Material

Sound Pipe Seal Condition

Comments Staining on wall at joint, 5 and 10 o'clock. **Plan View**



Outlet

SDE, Inc.

Manhole ID: MH1111 Vernon, Connecticut

8/20/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 9:22:00 AM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

> None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good None Bench: **Brick** Good Surcharge Evidence: Minor **None** Channel:

None

Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

Cast Iron

Formed

Good

Sheet Flow

Plan View

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

3 **Clock Position**

PVC

8 8 Diameter (inches)

PVC

Sound Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

10.83

Diameter (inches)

Pipe Material

PVC Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

Formed

Manhole ID: MH1112 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 11:51:00 AM **Street: Trout Stream Dr Easement**

Location: **Easement** Manhole Size (in): 48

Surface Type: **Grass** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Location: Grass

Material Condition Inflow/Infiltration (GPM) Debris: nο

Cast Iron

Good

Staining

If Debris, Comments: None Grade Ring:

Chimney: Precast Concrete Good Staining

Cone:

Frame:

Grease Visible: None **Precast Concrete** Walls. Good None

Roots Evident: No **Brick** Bench: Good None **Brick** Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps: Cover Hole Diameter (in): 2 1

Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

Pipe Material VC.

Pipe Seal Condition Sound

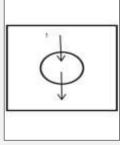
Outlets Outlet 1

6 **Clock Position** 6.25 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments Staining at joint of frame and chimney, 12 to 6 o'clock. **Plan View**



Outlet

Manhole ID: MH1114 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:49:00 PM Street: Deerfield Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather **Dry - Wet Ground**

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

4

Good

None

If Debris, Comments: Grade Ring: None

Spray Concrete Good Staining Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps: Cover Hole Diameter (in): 2

Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure:

Inlets

PVC

Inlet 1 Inlet 3 Inlet 4 Inlet 5 Inlet 2

11 11 1 **Clock Position**

PVC

8 8 8 Diameter (inches)

Sound Pipe Seal Condition Sound

Outlets

PVC

Outlet 1 6 **Clock Position**

16.1 Diameter (inches)

Pipe Material

Comments

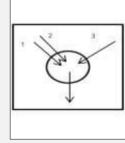
PVC Pipe Material

Sound Pipe Seal Condition

Inlets 1 and 2 are drop inlets. Some staining around corbel.

Plan View

Formed



Outlet

Manhole ID: MH1116 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 8:26:00 AM Street: Deerfield Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Good

None

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 2 1 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

Formed

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 3 Inlet 4 Inlet 5 Inlet 2

Clock Position

8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

10.5 Diameter (inches)

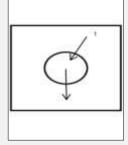
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Some staining on wall.

Plan View



Formed

Outlet

Manhole ID: MH1118 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 8:09:00 AM Street: Deerfield Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

Concrete pieces on bench. **Precast Concrete** Good None Chimney:

Precast Concrete Good Staining Cone:

Grease Visible: None Good **Precast Concrete** Walls: None

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 2 4 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Material Pipe Seal Condition Sound

Outlets

Outlet 1 6 **Clock Position**

PVC

8.85 Diameter (inches)

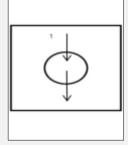
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Some staining around cone.

Plan View



Formed

Outlet

Manhole ID: MH1178 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:47:00 AM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location: Material Condition Inflow/Infiltration (GPM)

Debris: ves **Cast Iron** Frame: Good None

If Debris, Comments: None Grade Ring:

10% debris in channel. **Brick** Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: Sluggi

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 4 Quantity of Cover Holes: Present: No

Cover:

At Grade **Oversized** Cover Elevation: Cover Fit:

Cast Iron

Good

Sheet Flow

Plan View

Outlet

Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Formed Channel Type: Channel Exposure:

Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Seal Condition Sound

PVC

Outlets

Pipe Material

Comments

Outlet 1

Pipe Seal Condition

6 **Clock Position** 8.58 Diameter (inches) **PVC** Pipe Material Sound

Manhole ID: MH1213 Vernon, Connecticut

Inspection Date: 8/20/2020 4:00:00 PM Sewer Shed: **V5**

Inspection Time: 8:03:00 AM Street: School St

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Cast Iron Frame: Good

If Debris, Comments: None Grade Ring:

30% sediment in channel. No sediment in Outlet None Chimney:

Brick Good Staining Cone: Grease Visible: None

Walls: Good **Brick** None Roots Evident: No **Brick** Bench: Good None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: No Flo

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 26 Cover Type: Vented Steps: Cover Hole Diameter (in): 1

2 Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

Pipe Material

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

8.96 Diameter (inches)

VC Pipe Material

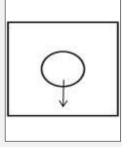
Sound Pipe Seal Condition

Comments

Starter. No flow

Plan View

None



Outlet

Manhole ID: MH1280 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:22:00 AM Street: Jonathan Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

None

Cast Iron Frame: Good If Debris, Comments:

Grade Ring: **Brick** Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: Sluggi

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12

Clock Position

8 Diameter (inches)

Pipe Material VC

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

7.9 Diameter (inches)

VC

Pipe Material

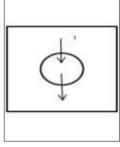
Sound Pipe Seal Condition

Comments

Some staining at wall, 3 o'clock.

Plan View

None



Manhole ID: MH1364 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 10:43:00 AM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: Woods Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A Woods Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good If Debris, Comments: None Grade Ring:

Lined Good None Chimney:

Lined Good None Cone:

Grease Visible: None Walls: Good Lined Staining

Roots Evident: No Lined Good Bench: None

Lined Good **None** Surcharge Evidence: None Channel:

Pipe Connection: Steady Flow Conditions: **Cast Iron** Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 16 Quantity of Cover Holes: Present: No

Above Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

insert Channel Type: insert Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

27 Diameter (inches)

Sound Pipe Seal Condition

Lined

Outlets

Outlet 1

6 **Clock Position**

5.58 Diameter (inches)

Lined Pipe Material

Sound Pipe Seal Condition

Comments

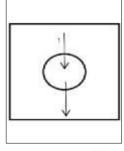
Pipe Material

Bolt on frame.

Plan View

None

None



Manhole ID: MH1442 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 8:23:00 AM Street: Hilside Manor Ave

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps: Cover Hole Diameter (in): 1

5 Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12

Clock Position

8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position** 9.3

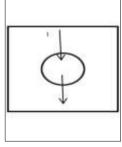
Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments Water staining at wall joint from 10 to 2 o'clock. **Plan View**

None



Outlet

Manhole ID: MH1443 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 9:26:00 AM Street: Marjorie Ln

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

3% Sediment in channel Brick Good None Chimney:

Cone: Precast Concrete Good None

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32 Vented

Cover Type: Steps: Cover Hole Diameter (in): 1 5 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

10 10 1

Clock Position

PVC

6 8 Diameter (inches)

Pipe Material Sound

PVC

Pipe Seal Condition Sound

PVC

Outlet 1

6 **Clock Position**

13.42 Diameter (inches)

PVC Pipe Material

Sound

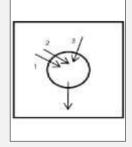
Pipe Seal Condition

Comments

Inlet 1 to 2 is a drop.

Outlets

Plan View



Formed

Outlet

Manhole ID: MH1444 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 9:36:00 AM Street: Marjorie Ln

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

None

Good

Cast Iron Frame: Good If Debris, Comments:

Grade Ring: **Concrete Block** Good Staining Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Cover: Cover Diameter (in):

Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position

8 Diameter (inches)

Pipe Material

PVC

Sound Pipe Seal Condition

Outlets Outlet 1

Clock Position

Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

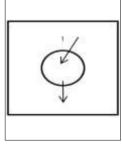
Comments

Staining

Plan View

Staining

Sheet Flow



Vernon, Connecticut

Manhole ID: MH1455

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:30:00 PM Street: Tumblebrook Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - Wet Ground

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: WA

Material Condition Inflow/Infiltration (GPM)

Debris: no Frame: Cast Iron Good

If Debris, Comments: Grade Ring: None

Chimney: Spray Concrete Good Staining

Grease Visible: None Walls: Good Precast Concrete Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Cover Type: Solid Cover Diameter (in): 32

Steps: Cover Type: Solid Cover Diameter (in): 32

Ouantity of Cover Holes: 2 Cover Hole Diameter (in): 1

Present: No Quantity of Cover Holes: 2 Cover Hole Diameter (in): 1

Condition: Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Formed Channel Exposure:

Channel Type: Formed Channel Exposure: Formed

<u>Inlet 1</u> <u>Inlet 2</u> <u>Inlet 3</u> <u>Inlet 4</u> <u>Inlet 5</u>

Clock Position 11

Diameter (inches) 8

Pipe Seal Condition Sound

<u>Outlets</u>

Pipe Material

PVC

Outlet 1
Clock Position 6

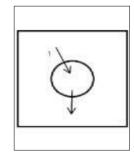
Clock Position 6
Diameter (inches) 12.42

Pipe Material PVC

Pipe Seal Condition Sound

Comments

Plan View



Manhole ID: MH1456 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:16:00 PM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: **Dry - Wet Ground**

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

None

Cast Iron Frame: Good

If Debris, Comments: None Grade Ring:

2% Debris in channel Brick Good Staining Chimney:

Cone: Precast Concrete Good Staining Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: **Pulsin** Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Solid Steps: Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: No

At Grade

Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

None Channel Type: None Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Material

PVC

Plan View Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position** 12.42 Diameter (inches)

PVC Pipe Material Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH1457 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 2:01:00 PM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: **Light Rain**

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

concrete block Good None Cone: Grease Visible: None

Precast Concrete Walls: Good Staining

Roots Evident: No **Brick** Good None Bench: **Brick** Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady

Flow Conditions: **Cast Iron** Good **Sheet Flow**

Cover: Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit:

Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed

Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Seal Condition Sound

PVC

Pipe Material

Outlets Outlet 1

6 **Clock Position**

10.83 Diameter (inches)

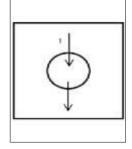
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None



Manhole ID: MH1520 Vernon, Connecticut

8/17/2020 4:00:00 PM Inspection Date: Sewer Shed: **V5**

Inspection Time: 9:52:00 AM Street: North Park St

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Flow Conditions:

Pipe Material

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location: Material Condition

Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None If Debris, Comments:

None Grade Ring:

> **Brick** Good None Cone:

None

Plan View

Grease Visible: None **Brick** Walls: Good Staining

Chimney:

Roots Evident: No **Brick** Good None Bench: **Brick** Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady

Cast Iron Good None Cover:

Cover Diameter (in): 24 Cover Type: Vented Steps:

Cover Hole Diameter (in): 2 4 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12

Clock Position

8 Diameter (inches)

Sound Pipe Seal Condition

VC.

Outlets

Outlet 1 6

Clock Position 7.13 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition Outlet **Comments**

Manhole ID: MH1525 Vernon, Connecticut

Inspection Date: 8/18/2020 4:00:00 PM Sewer Shed: **V5**

Inspection Time: 10:53:00 AM Street: Prospect St

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Cast Iron Frame: Good If Debris, Comments: None

Grade Ring: None

Chimney:

Cast Iron

Good

Brick Good Staining Cone: Grease Visible: None Walls: Good **Brick** None

Roots Evident: No **Brick** Bench: Good None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 24 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

None Channel Type: None Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

11 2 2

Clock Position

8 8 10 Diameter (inches) **PVC** VC. VC

Pipe Seal Condition Sound

Pipe Material

Outlets

Outlet 1

6 **Clock Position**

13 Diameter (inches)

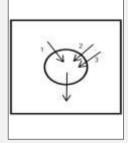
VC Pipe Material

Sound Pipe Seal Condition

Comments Inlet 2 & 3 are a drop connection **Plan View**

None

Sheet Flow



Outlet

Manhole ID: MH1771 Vernon, Connecticut

Inspection Date: 8/26/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 9:53:00 AM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Dirt Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

None

None

Plan View

Cast Iron Frame: Good If Debris, Comments:

None Grade Ring:

Lined Good None Chimney: Lined Good None Cone:

Grease Visible: None Walls: Good Lined Staining

Roots Evident: No Concrete Good Bench: None

Lined Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 16 Quantity of Cover Holes: Present: No

Cast Iron

Good

Above Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

insert Channel Type: insert Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

Sound

27 Diameter (inches)

Pipe Material Lined

Outlets

Pipe Seal Condition

Outlet 1

6 **Clock Position**

5.5 Diameter (inches)

Lined Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH1866 Vernon, Connecticut

Inspection Date: 8/26/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 10:54:00 AM Street: Quarry Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

Chimney: k and Sprayed Conc Good None

Cone: Precast Concrete Good None

Grease Visible: None **Precast Concrete** Walls: Good Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 4 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

Clock Position

8 **PVC**

Diameter (inches)

Sound Pipe Seal Condition

Pipe Material

Outlets

Outlet 1

6 **Clock Position**

6.85 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

SDE, Inc. Inspector: Matt Silverman

Plan View

Manhole ID: MH1867 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:05:00 AM Street: Quarry Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

None

Cast Iron Frame: Good If Debris, Comments:

Spray Concrete Good None Chimney:

Grade Ring:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good Surcharge Evidence: Minor **None** Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32 Solid Steps:

Cover Type: Cover Hole Diameter (in): 1 1

Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

11 **Clock Position**

8

PVC

Diameter (inches)

Pipe Seal Condition Sound

Pipe Material

Comments

Outlets

Outlet 1

6 **Clock Position**

6.55 Diameter (inches)

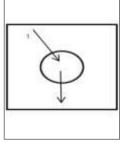
PVC Pipe Material

Sound Pipe Seal Condition

Ragging on bench, steps. Solids in channel, some sludge build up on bench and invert.

Plan View

None



Outlet

Manhole ID: <u>MH187</u>1 Vernon, Connecticut

Inspection Date: 8/26/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:04:00 PM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: External Pre-Cleaning: None Drop Present: Yes Drop Material: PVC

Drop Condition: PVC Dirt Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

None

Cast Iron Frame: Good

If Debris, Comments: Grade Ring: None

> None Chimney:

Precast Concrete Good None Cone: Grease Visible: None

Precast Concrete Walls: Good Staining Roots Evident: No Lined Good Staining Bench:

Lined Good None Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: turbul

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Vented Steps: Cover Hole Diameter (in): 1

16 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

insert Channel Type: insert Channel Exposure: Inlets

Inlet 1 Inlet 3 Inlet 4 Inlet 5 Inlet 2

12 12 3 **Clock Position**

8 27 27

PVC PVC Pipe Material Lined Lined **Plan View**

Sound Sound Sound Sound Pipe Seal Condition Sound

Outlets

Diameter (inches)

Clock Position

Outlet 1

6

9.17 Diameter (inches)

Lined Pipe Material

Sound

Pipe Seal Condition Outlet **Comments**

Manhole ID: MH1872 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 2:46:00 PM Street: Merline Rd

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: **PVC Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron

Good

None

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Frame:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good Surcharge Evidence: Minor **None** Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Clock Position

Comments

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

8 8

Diameter (inches) **PVC PVC** Pipe Material

Pipe Seal Condition Sound

Outlets Outlet 1

6

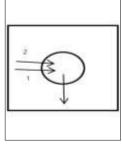
8.35 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Ragging on top of drop inlet 1 and steps.

Plan View



Outlet

Manhole ID: MH1873 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:32:00 PM Street: Merline Rd

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Cast Iron

Good

Good

None

None

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 Vented Steps:

Cover Type: Cover Hole Diameter (in): 1 5 Quantity of Cover Holes:

Present: Yes At Grade

Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

12 2 **Clock Position**

8 8 8 Diameter (inches)

PVC PVC PVC Pipe Material

Sound Sound

Pipe Seal Condition

Outlet 1

6 **Clock Position**

Outlets

Comments

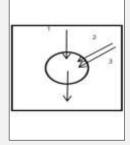
8.25 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Small crack at end of inlet 2 pipe.

Plan View



Formed

Outlet

Manhole ID: MH1888 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 12:15:00 PM Street: Trout Stream Dr

Roadway Location: Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: Grade Ring: None

Some pieces of Brick on bench. **Spray Concrete** Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: No Flo

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 2 2 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

Pipe Material

Diameter (inches)

Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

11.65 Diameter (inches)

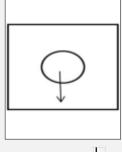
unknown Pipe Material

Sound Pipe Seal Condition

Comments

Starter manhole.





Outlet

Manhole ID: MH1891 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 12:02:00 PM **Street: Trout Stream Dr Easement**

Location: **Easement** Manhole Size (in): 48

Surface Type: Grass Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Flow Conditions:

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A Location: Grass

Steady

Material Condition Inflow/Infiltration (GPM) Debris: no

None

Cast Iron Frame: Good If Debris, Comments:

Grade Ring: **Precast Concrete** Staining Good Chimney:

Cone:

Grease Visible: None **Precast Concrete** Walls: Good None

Roots Evident: No **Brick** Bench: Good None **Brick** Good **None** Surcharge Evidence: None Channel:

None Pipe Connection:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 2 4 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12

Clock Position

8 Diameter (inches)

Pipe Material VC.

Sound Pipe Seal Condition

Outlets Outlet 1

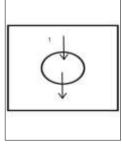
6 **Clock Position** 6 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments Staining at joint between frame and chimney from 12 to 3 o'clock. **Plan View**

None



Outlet

Vernon, Connecticut

Manhole ID: MH1894

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 9:14:00 AM Street: Deerfield Dr

Location: Yard Manhole Size (in): 48

Surface Type: Grass Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Grass Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Frame:

Cast Iron

Good

None

Plan View

If Debris, Comments: Grade Ring: None

Chimney: Spray Concrete Good None

Cone: Precast Concrete Good None

Grease Visible: None Walls: Good Precast Concrete Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Cover Type: Solid Cover Diameter (in): 32

Steps: Cover Type: Solid Cover Diameter (in): 32

Present: No Quantity of Cover Holes: 1 Cover Hole Diameter (in): 2

Present: No Quantity of Cover Holes: 1 Cover Hole Diameter (III).

Condition: Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Formed Channel Exposure: Formed

<u>Inlet 1</u> Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position 12

Diameter (inches) 8

Pipe Material PVC

Pipe Seal Condition Sound

Outlets
Outlet 1

Clock Position 6

Diameter (inches) 10.2

Pipe Material PVC

Pipe Seal Condition Sound

Comments Outlet

Inspector: Matt Silverman SDE, Inc.

Manhole ID: MH1963 Vernon, Connecticut

8/18/2020 4:00:00 PM Inspection Date: Sewer Shed: **V5**

Inspection Time: 9:02:00 AM Street: Lawrence St

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: **Dry - Wet Ground**

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: **PVC Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Frame:

Cast Iron

Brick

Good

Good

None

None

If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

Brick Good None Cone:

Grease Visible: None Walls: Good **Brick** Staining Roots Evident: No

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: No Flo Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 24 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: Yes

Bench:

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

PVC

6

6 Diameter (inches)

Pipe Seal Condition Sound

Outlets

Outlet 1

12.25

Diameter (inches)

VC Pipe Material

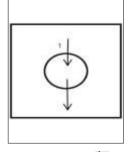
Sound Pipe Seal Condition

Comments

Clock Position

Drop is detached from inlet.

Plan View



Manhole ID: MH2065 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:14:00 AM Street: Jonathan Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Frame:

Cast Iron

Good

Good

None

None

If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None **Precast Concrete** Walls: Good Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: Sluggi **Cast Iron**

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 2 2 Quantity of Cover Holes:

Cover:

Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position

PVC

8 6 Diameter (inches)

Sound

PVC

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

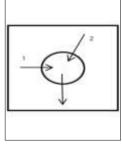
8.3 Diameter (inches)

Pipe Material

PVC Pipe Material

Sound Pipe Seal Condition

Comments Staining on wall at 1 o'clock may be infiltration. **Plan View**



Formed

Manhole ID: MH2067 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 10:45:00 AM Street: Jonathan Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

Brick Fair Staining Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 4 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

12 **Clock Position**

PVC

8 8

Diameter (inches) **PVC**

Sound

Sound Pipe Seal Condition

Outlets

Outlet 1 6 **Clock Position**

8.25

Diameter (inches)

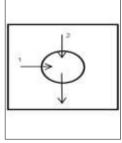
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Missing Bricks at 7 oclock in chimney.

Plan View



Outlet

Manhole ID: MH2309 Vernon, Connecticut

Inspection Date: 8/26/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 8:35:00 AM Street: Hilside Manor Ave

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Good

None

Formed

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover: Cover Diameter (in): 32 Vented

Cover Type: Steps: Cover Hole Diameter (in): 1 5 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure:

Inlets Inlet 4

Inlet 2 Inlet 3 Inlet 5 Inlet 1 12

Clock Position

8 Diameter (inches)

PVC PVC Pipe Material **Plan View**

Sound Pipe Seal Condition Sound

Outlets Outlet 1

6 **Clock Position** 8.65 Diameter (inches)

PVC Pipe Material Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH2310 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 8:46:00 AM Street: Hilside Manor Ave

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: Grade Ring: None

Spray Concrete None Good Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps: Cover Hole Diameter (in): 1

5 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12

Clock Position

8 Diameter (inches)

Pipe Seal Condition Sound

PVC

Outlets

Outlet 1 6

Clock Position

Pipe Material

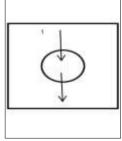
9.75 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View



Outlet

Manhole ID: MH2336 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 3:31:00 PM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Good

None

Cast Iron Frame:

If Debris, Comments: None Grade Ring:

Precast Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps: Cover Hole Diameter (in): 1 1

Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

11

Clock Position

8 Diameter (inches)

PVC Pipe Material **Plan View**

Sound Pipe Seal Condition

Outlets Outlet 1

Clock Position

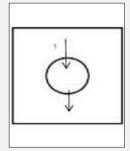
8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments

Stains on chimney and wall



Outlet

Manhole ID: MH2337 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 3:36:00 PM Street: Deerfield Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: **Dry - Wet Ground**

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: **PVC Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Frame:

Cast Iron

Good

Good

None

None

If Debris, Comments: Grade Ring: None

Spray Concrete None Good Chimney:

Precast Concrete Good Staining Cone:

Grease Visible: None Good **Precast Concrete** Staining Walls:

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Cover: Cover Diameter (in): 32

Cover Type: Solid Steps:

Cover Hole Diameter (in): 2 4 Quantity of Cover Holes: Present: No

At Grade **Oversized** Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed Channel Type:

Channel Exposure: Inlets

PVC

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

12 12 3

Clock Position

8 8 8 Diameter (inches) **PVC**

Sound Pipe Seal Condition Sound

PVC

Outlets Outlet 1

6 **Clock Position**

Pipe Material

11.05 Diameter (inches)

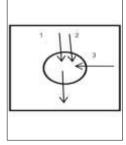
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Inlets 1 and 2 are drop inlets.

Plan View



Formed

Manhole ID: MH2338 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 3:19:00 PM Street: Deerfield Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Good

None

If Debris, Comments: Grade Ring: None

Spray Concrete Good Staining Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps: Cover Hole Diameter (in): 2

4 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Material

Comments

Pipe Seal Condition Sound

Outlets Outlet 1

6 **Clock Position**

12.2 Diameter (inches)

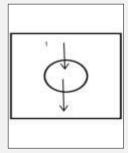
PVC Pipe Material

Sound Pipe Seal Condition

Some staining around corbel and wall from 9 to 1 o'clock.

PVC

Plan View



Outlet

SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH2399 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:11:00 AM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Inlet 2 to 3 is a drop

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: **PVC Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Brick

Good

None

None

None

Cast Iron Frame: Good If Debris, Comments:

None Grade Ring:

Chimney:

Precast Concrete Good None Cone: Grease Visible: None

Good **Precast Concrete** Walls: Staining Roots Evident: No **Brick** Good

Bench:

Brick Good **None** Surcharge Evidence: None Channel:

None

Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Solid Steps: Cover Hole Diameter (in): 1 2

Quantity of Cover Holes: Present: No

At Grade Cover Elevation: Cover Fit: Good Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

10 12 12

Clock Position

8 8 8 Diameter (inches)

PVC PVC PVC Pipe Material **Plan View**

Sound Sound Pipe Seal Condition

Outlets

Outlet 1 6 **Clock Position**

10.83 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition Outlet **Comments**

Manhole ID: MH2400 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 11:36:00 AM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Good

None

None

If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

Brick Good Staining Cone:

Grease Visible: None **Precast Concrete** Staining Walls: Good

Roots Evident: No **Brick** Good None Bench: **Brick** Good

Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32 Solid

Cover Type: Steps: Cover Hole Diameter (in): 1 4

Quantity of Cover Holes: Present: No

At Grade **Oversized** Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

12

8

Clock Position

PVC Pipe Material

Plan View Sound Pipe Seal Condition

Outlets

Diameter (inches)

Outlet 1 **Clock Position**

10 Diameter (inches)

PVC

Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH2633 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 12:07:00 PM Street: Tumblebrook Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Surcharge Evidence: None

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

If Debris, Comments: None Grade Ring:

5% sediment in channel Brick Good Staining Chimney:

Cone: Precast Concrete Good Staining Grease Visible: None

Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None **Brick** Good

None Pipe Connection: Steady Flow Conditions:

Channel:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

12 **Clock Position**

PVC

8

Pipe Material

Pipe Seal Condition Sound

Outlets

Diameter (inches)

Comments

Outlet 1

Clock Position 10

Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

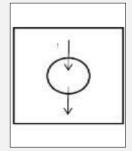
Heavy staining from frame to bench at 5 oclock.

Plan View

Staining

None

Good



Outlet

Manhole ID: MH2634 Vernon, Connecticut

8/24/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 12:34:00 PM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: ves

Frame:

Cast Iron

Cast Iron

Good

Good

None

Sheet Flow

If Debris, Comments: None Grade Ring:

5% debris in channel **Brick** Good None Chimney:

Precast Concrete Good Staining Cone:

Grease Visible: None Good **Precast Concrete** Staining Walls:

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: Sluggi

Cover: Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes:

At Grade

Cover Elevation: Cover Fit: Good Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

10 12 **Clock Position**

8 8 Diameter (inches)

PVC PVC Pipe Material

Sound Sound Pipe Seal Condition

> **Outlets** Outlet 1

6

Clock Position 10.17

Present: No

Diameter (inches)

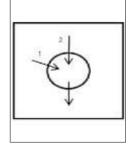
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Staining on cone and walls

Plan View



Formed

Manhole ID: MH2766 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 2:52:00 PM Street: Merline Rd

Roadway Location: Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Cast Iron

Good

None

Outlet

If Debris, Comments: None Grade Ring:

10% debris in channel **Concrete Block** Good None Chimney:

Precast Concrete Good None Cone:

Frame:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good Surcharge Evidence: Minor None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Vented Steps: Cover Hole Diameter (in): 1 4

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2 10 12 12 3 **Clock Position**

6 8 10 10 Diameter (inches)

PVC PVC PVC PVC PVC: Pipe Material **Plan View**

Sound Sound Sound Pipe Seal Condition Sound

Outlets

Outlet 1

6 **Clock Position**

12.08 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments Inlet 2 to 3 is a drop. Inlet 4 to 5 is a drop.

Manhole ID: MH2767 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 1:13:00 PM Street: Seneca Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: **PVC Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: ves

Frame:

Cast Iron

If Debris, Comments: None Grade Ring:

5% sediment in channel **Precast Concrete** Good None Chimney:

> **Precast Concrete** Good None Cone:

Good

None

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Vented Steps: Cover Hole Diameter (in): 1

5 Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

11 11 2 2 **Clock Position**

8 8 6 Diameter (inches)

PVC PVC PVC PVC Pipe Material **Plan View**

Sound Pipe Seal Condition Sound

6

Outlets Outlet 1

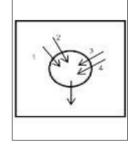
Clock Position 16.75

Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition **Comments**

Inlet 1 to 2 is a drop. Inlets 3 to 4 is a drop



Outlet

SDE, Inc.

Manhole ID: MH2809 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 10:35:00 AM Street: Tumblebrook Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Frame:

Cast Iron

Good

None

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Fair **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: No

At Grade **Oversized** Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure:

Inlets Inlet 3 Inlet 4

Inlet 1 Inlet 2 Inlet 5 11

Clock Position

8 8 Diameter (inches)

PVC PVC Pipe Material

Sound Pipe Seal Condition Sound

> **Outlets** Outlet 1

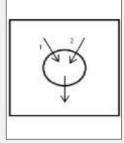
6 **Clock Position**

10.3 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments Cover crackes. Wall has two small points at 3 oclock on wall. **Plan View**



Formed

Outlet

Manhole ID: MH3017 Vernon, Connecticut

Inspection Date: 8/26/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 9:06:00 AM Street: Hilside Manor Ave

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

None

Good

None

Cast Iron Frame: If Debris, Comments:

Spray Concrete Good None Chimney:

Grade Ring:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps: Cover Hole Diameter (in): 1 5

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

10 **Clock Position**

8

Diameter (inches)

PVC

Plan View Pipe Seal Condition Sound

Outlets Outlet 1

Pipe Material

6 **Clock Position** 7.95 Diameter (inches)

PVC Pipe Material Sound Pipe Seal Condition

Outlet **Comments**

SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH3020 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 8:37:00 AM Street: Marjorie Ln

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: ves

Frame:

Cast Iron

Brick

If Debris, Comments: None Grade Ring:

2% sediment in channel **Concrete Block** Good Staining Chimney:

Precast Concrete Good None Cone: Grease Visible: None **Precast Concrete** Walls: Good None

Roots Evident: No **Brick** Good Bench: None

Surcharge Evidence: None Channel: None

Pipe Connection: No Flo Flow Conditions: **Cast Iron Sheet Flow**

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

Cover:

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

6 Diameter (inches)

Pipe Seal Condition Sound

PVC

Outlets Outlet 1

8 **Clock Position** 5.92

Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments

No flow currently in channel

Plan View

Staining

None

Good

Good

Good

Outlet

Manhole ID: MH3021 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 8:50:00 AM Street: Marjorie Ln

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: PVC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

5% Sediment in channel **Concrete Block** Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good concrete block Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Vented Steps: Cover Hole Diameter (in): 1 5

Quantity of Cover Holes: Present: Yes

PVC

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

12 12 2

Clock Position

8 8 4 Diameter (inches)

PVC

PVC

Sound Pipe Seal Condition Sound

Outlets Outlet 1

6 **Clock Position**

10.5 Diameter (inches)

PVC Pipe Material

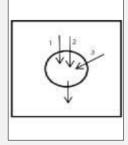
Sound Pipe Seal Condition

Comments

Pipe Material

Inlet 1 to 2 is a drop

Plan View



Formed

Outlet

SDE, Inc.

Manhole ID: MH3173 Vernon, Connecticut

8/20/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 9:34:00 AM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Frame:

Cast Iron

Cast Iron

Good

Good

None

Sheet Flow

Plan View

Formed

If Debris, Comments: Grade Ring: None

Spray Concrete Good None Chimney:

Precast Concrete Good None Cone:

Grease Visible: None Good **Precast Concrete** Walls: Staining

Roots Evident: No **Brick** Good Bench: None

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: No

At Grade

Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position

8 Diameter (inches)

Pipe Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

PVC

7.88 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH3175 Vernon, Connecticut

8/20/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 10:27:00 AM Street: Tumblebrook Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

> None Chimney:

> > **Brick**

Good

None

Plan View

Precast Concrete Good None Cone: Grease Visible: None

Good **Precast Concrete** Walls: Staining Roots Evident: No

Bench:

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32

Cover Type: Solid Steps: Cover Hole Diameter (in): 1

1 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

11

Clock Position

8 Diameter (inches)

Pipe Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

PVC

8.88 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

Vernon, Connecticut

Manhole ID: MH3194

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 1:54:00 PM Street: Vernwood Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

None

Frame: Cast Iron Good

If Debris, Comments: Grade Ring: None

Chimney: k and Sprayed Conc Good None

Cone: Precast Concrete Good None

Grease Visible: None Walls: Good Precast Concrete Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Cover: <u>Cast Iron</u> <u>Good</u> <u>None</u>

Steps: Cover Type: Vented Cover Diameter (in): 32

Ouantity of Cover Holes: 5 Cover Hole Diameter (in): 1

Present: Yes Quantity of Cover Holes: 5 Cover Hole Diameter (in): 1

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Formed Channel Exposure: Formed

<u>Inlet 1</u> <u>Inlet 2</u> <u>Inlet 3</u> <u>Inlet 4</u> <u>Inlet 5</u>

Clock Position 12 2

Clock Position 12 2

Diameter (inches) 8 8

Pipe Material PVC PVC PVC Plan View

Pipe Seal Condition Sound Sound

Outlets Outlet 1

Outlet 1
Clock Position 6

Diameter (inches) 11.2

Diameter (inches)

Pipe Material PVC

Pipe Seal Condition Sound

<u>Comments</u> Outlet

Inspector: Matt Silverman SDE, Inc.

Manhole ID: MH3195 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 1:27:00 PM Street: Vernwood Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

Chimney: k and Sprayed Conc None Good

Cone: Precast Concrete Good None

Formed

Plan View

Outlet

Grease Visible: None **Precast Concrete** Walls: Good Staining

Roots Evident: No Good Bench: **Spray Concrete** None

Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: Sluggi

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Material unknown

Sound Pipe Seal Condition

Outlets

Outlet 1 6

8.7 Diameter (inches)

Clock Position

unknown Pipe Material Sound Pipe Seal Condition

Comments Invert material not visible. Solids in invert not moving but flow is steady. Small hole and some staining at 12 and 1 o'clock.

SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH3196 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 1:13:00 PM Street: Vernwood Dr

Roadway Location: Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Cast Iron Frame: Good

If Debris, Comments: Grade Ring: None

> None Chimney:

Cone: Precast Concrete Good None Grease Visible: None

Precast Concrete Walls: Good Staining Roots Evident: No

Lined Good None Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: No Flo

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 1 Quantity of Cover Holes: Present: Yes

Bench:

At Grade

Good Cover Elevation: Cover Fit: Condition: Good

Concrete

Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure:

Inlets Inlet 4

Inlet 2 Inlet 3 Inlet 5 Inlet 1

Clock Position

8 8 Diameter (inches)

PVC PVC Pipe Material

Sound Pipe Seal Condition Sound

Outlets

Outlet 1

6 **Clock Position**

8.4 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments

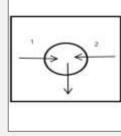
Invert appears to be Brick Lined with spray concrete.

Plan View

Formed

None

None



Outlet

SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH458 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 9:07:00 AM Street: Marjorie Ln

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Good

None

Formed

Plan View

If Debris, Comments: **None** Grade Ring:

5% debris in channel Good Chimney:

Precast Concrete Good None Cone:

Grease Visible: None **Precast Concrete** Walls: Good Staining

Roots Evident: No **Brick** Good None Bench: **Brick** Good Surcharge Evidence: Minor None Channel:

None Pipe Connection: Flow Conditions: Surch

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Material Sound Pipe Seal Condition

Outlets Outlet 1

PVC

Sound

6 **Clock Position** 10.48 Diameter (inches)

PVC Pipe Material

Pipe Seal Condition Outlet **Comments**

Manhole ID: MH459 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 1:33:00 PM Street: Merline Rd

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

> None Chimney:

Precast Concrete Good None Cone: Grease Visible: None

Good **Precast Concrete** Walls: Staining Roots Evident: No **Brick** Good None Bench:

Brick Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: No Flo Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

6 Diameter (inches)

PVC Pipe Material

Pipe Seal Condition Sound

Outlets Outlet 1

6 **Clock Position** 6.92 Diameter (inches)

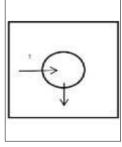
PVC Pipe Material

Sound Pipe Seal Condition

Comments

No flow currently in channel.





Outlet

Manhole ID: MH480 Vernon, Connecticut

Inspection Date: 8/27/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 8:34:00 AM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Weather: **Light Rain**

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Dirt Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Cast Iron

Lined

Good

Good

None

Staining

If Debris, Comments: None Grade Ring:

Lined Good Staining Chimney:

Lined Good Staining Cone:

Bench:

Frame:

Grease Visible: None Walls: Good Lined Staining Roots Evident: No

Lined Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 4 Quantity of Cover Holes: Present: No

Oversized Above Grade Cover Elevation: Cover Fit:

Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Channel Type: Insert

Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

27

Diameter (inches)

Pipe Seal Condition Sound

Outlets

Outlet 1 **Clock Position**

Lined

6 Diameter (inches)

Pipe Material

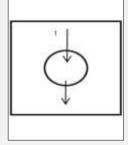
Lined Pipe Material

Sound Pipe Seal Condition

Comments

Staining from chimney to bench

Plan View



Insert

Outlet

Manhole ID: MH481 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 2:39:00 PM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Present: No

Drop Location: N/A Pre-Cleaning: None Drop Present: No Drop Material: WA

Drop Condition: N/A Dirt Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Frame:

Cast Iron

If Debris, Comments: None Grade Ring:

Lined Good Staining Chimney:

Lined Good Staining Cone:

Fair

Staining

None

Insert

Outlet

Grease Visible: None Staining Walls: Good Lined

Roots Evident: No Lined Good Bench: None Lined Good

Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover: Cover Diameter (in): 32 Solid

Cover Type: Steps: Cover Hole Diameter (in): 1 4 Quantity of Cover Holes:

At Grade

Good Cover Elevation: Cover Fit: Condition:

Insert

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 2

Clock Position

27 8 Diameter (inches)

PVC Pipe Material Lined **Plan View**

Sound Sound Pipe Seal Condition

Outlet 1

Outlets

6 **Clock Position**

6.75 Diameter (inches)

Lined Pipe Material Sound Pipe Seal Condition

Comments Frame is rusted and peeling. Staining from frame to walls. Suspect infiltration between frame and chimney under certain conditions.

Manhole ID: MH536 Vernon, Connecticut

8/27/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 8:31:00 AM Street: Rails to Trails

Location: **Easement** Manhole Size (in): 48

Surface Type: **Woods** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A Woods Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Good

Good

None

Formed

Plan View

Cast Iron Frame: If Debris, Comments: None Grade Ring:

Sediment on bench **Precast Concrete** None Good Chimney:

Precast Concrete Good None Cone:

Grease Visible: None **Precast Concrete** Walls: Good Staining

Roots Evident: No Concrete Good Bench: None

Lined Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions: **Cast Iron** inundation

Cover: Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 4 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit:

Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Channel Type: Channel Exposure:

Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

24 Diameter (inches)

Pipe Material rcp

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

6.4 Diameter (inches)

rcp Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH538 Vernon, Connecticut

8/25/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 9:58:00 AM Street: Irene Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: **Light Rain**

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: Internal Drop Material: PVC

Drop Condition: **PVC Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Debris: ves

Cast Iron Frame: Good If Debris, Comments:

None Grade Ring: 5% Sediment in channel

None Chimney:

Precast Concrete Good None Cone: Grease Visible: None

Good **Precast Concrete** Walls: Staining Roots Evident: No **Brick** Good None Bench:

Brick Good Surcharge Evidence: Minor **None** Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 24 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

PVC

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 4 Inlet 5 Inlet 1 Inlet 2

11 11 2 **Clock Position**

8 8 8 Diameter (inches)

PVC

Sound

Pipe Seal Condition Sound

PVC

Outlets Outlet 1

6

17.8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments

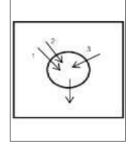
Clock Position

Pipe Material

Inlet 1 to 2 is a drop.

Plan View

None



Formed

Outlet

SDE, Inc.

Manhole ID: MH539 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 8:12:00 AM Street: Irene Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

5% sediment in channel **Concrete Block** Good None Chimney:

Precast Concrete Good Staining Cone:

Grease Visible: None Good **Precast Concrete** Staining Walls:

Roots Evident: No **Brick** Good Bench: None **Brick** Good None Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: Surch

plastic Good **Sheet Flow** Cover:

Cover Diameter (in): 24 Cover Type: Solid Steps:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

Pipe Material Pipe Seal Condition Sound

Outlets

PVC

Outlet 1

6 **Clock Position**

14.33 Diameter (inches)

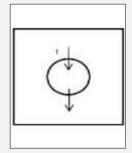
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Staining on cone and wall.

Plan View



Formed

Outlet

Manhole ID: MH547 Vernon, Connecticut

Inspection Date: 8/24/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 9:53:00 AM Street: Deerfield Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

None

Cast Iron Frame: Good If Debris, Comments:

Sediment 10% of channel Chimney: Precast Concrete Good None

Grade Ring:

Cone:

Grease Visible: None **Precast Concrete** Walls. Fair Staining

Roots Evident: No **Brick** Bench: Good None **Brick** Good None Surcharge Evidence: None Channel:

None Pipe Connection: No Flo Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps: Cover Hole Diameter (in): 1

1 Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position

Pipe Material

Clock Position

Comments

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

6 Diameter (inches)

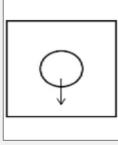
PVC Pipe Material

Sound Pipe Seal Condition

Suspect infiltration during rain on wall at 9 oclock due to hole.

Plan View

None



Outlet

Manhole ID: MH729 Vernon, Connecticut

8/25/2020 4:00:00 PM Sewer Shed: V14 Inspection Date:

Inspection Time: 9:50:00 AM Street: Trout Stream Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Cast Iron Frame: Good

If Debris, Comments: Grade Ring: None

Outlet entirely blocked by sediment, broken Brick **Spray Concrete** None Good Chimney: and concrete.

Precast Concrete Good None Cone:

Grease Visible: None **Precast Concrete** Walls: Good Staining

Roots Evident: No **Brick** Bench: Good None **Brick** Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions: No Flo

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps:

Cover Hole Diameter (in): 2 2 Quantity of Cover Holes: Present: No

At Grade Cover Elevation: Cover Fit: Good Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

Pipe Material

Clock Position

Comments

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1 6

9 Diameter (inches)

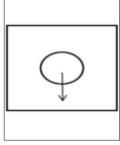
unknown Pipe Material

Sound Pipe Seal Condition

No flow present. Some staining on wall at joint, 10, 12, 1, 2 and 3 o'clock.

Plan View

None



Outlet

SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH86 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:31:00 AM Street: Walker Ter

Location: Yard Manhole Size (in): 48

Surface Type: **Grass** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: WA

Drop Condition: N/A Location: Grass

Sluggi

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: None Grade Ring:

Precast Concrete Staining Good Chimney:

Cone:

Grease Visible: None **Precast Concrete** Walls: Good None

Roots Evident: yes Bench: Concrete Good None Lined Good **None** Surcharge Evidence: None Channel:

Pipe Connection: None

Flow Conditions: **Cast Iron** Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 4 Quantity of Cover Holes: Present: Yes

At Grade

Cover Elevation: Cover Fit: Good Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data Formed

Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

Clock Position

8 Diameter (inches)

Pipe Material

Pipe Seal Condition Sound

PVC

Outlets Outlet 1

6 **Clock Position**

3.15 Diameter (inches)

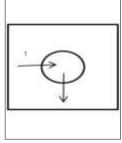
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Some solids in channel. Light roots between frame and chimney.

Plan View



Outlet



SDE, Inc. Inspector: Matt Silverman

Manhole ID: MH866 Vernon, Connecticut

Inspection Date: 8/25/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 11:54:00 AM Street: Seneca Dr

Location: **Roadway** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) ves Debris:

Frame:

Cast Iron

Cast Iron

Good

Good

None

Sheet Flow

Plan View

If Debris, Comments: None Grade Ring:

5% sediment in channel Brick Good None Chimney:

Cone: Precast Concrete Good None

Grease Visible: None Good **Precast Concrete** Staining Walls:

Roots Evident: No **Brick** Good None Bench:

Brick Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlets Outlet 1 6 **Clock Position**

8.17 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH928 Vernon, Connecticut

8/26/2020 4:00:00 PM Inspection Date: Sewer Shed: V14

Inspection Time: 11:00:00 AM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: External Drop Material: PVC

Drop Condition: **PVC** Dirt Location:

Material Condition Inflow/Infiltration (GPM) Debris: no

Cast Iron Frame: Good None

If Debris, Comments: Grade Ring: None

> None Chimney:

Precast Concrete Good None Cone: Grease Visible: None

Good **Precast Concrete** Walls: Staining Roots Evident: No Lined Good Bench: None

Lined Good **None** Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good None Cover:

Cover Diameter (in): 32 Cover Type: Vented Steps:

Cover Hole Diameter (in): Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF): **Pipe Data**

insert Channel Type: insert Channel Exposure:

Inlets Inlet 1 Inlet 3 Inlet 4 Inlet 5 Inlet 2

9 12 12 3

Clock Position 8 27 27

PVC PVC PVC PVC. Pipe Material **Plan View**

Sound Sound Sound Sound Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

8.75 Diameter (inches)

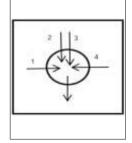
Lined Pipe Material

Sound Pipe Seal Condition

Comments

Diameter (inches)

INLET 2 TO 3 IS A DROP



Outlet

Manhole ID: MH929 Vernon, Connecticut

Inspection Date: 8/26/2020 4:00:00 PM Sewer Shed: V14

Inspection Time: 10:18:00 AM Street: Rails to Trails

Location: Wooded Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Dirt Location:

Material Condition Inflow/Infiltration (GPM) Debris: nο

Cast Iron

Good

None

Frame: If Debris, Comments: None

Grade Ring: Lined Good Staining Chimney:

Lined Good Staining Cone:

Grease Visible: None Walls: Good Lined Staining

Roots Evident: No Concrete Good Bench: None

Lined Good None Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Good **Sheet Flow** Cover:

Cover Diameter (in): 32 Cover Type: Solid Steps: Cover Hole Diameter (in): 1 4

Quantity of Cover Holes: Present: No

At Grade Good Cover Elevation: Cover Fit: Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Insert Channel Type: Insert Channel Exposure: Inlets

Inlet 2 Inlet 3 Inlet 4 Inlet 5 Inlet 1

12 **Clock Position**

Lined

27 Diameter (inches)

Sound

Pipe Seal Condition

Pipe Material

Comments

Outlets Outlet 1

6 **Clock Position**

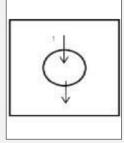
5.92 Diameter (inches)

Lined Pipe Material

Sound Pipe Seal Condition

Staining from top of chimney down to walls.

Plan View



Manhole ID: MH110 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 9:02:00 AM Street: Brent Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Surcharge Evidence: None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Brick

Good

None

Formed

Plan View

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 3 **Clock Position**

8 Diameter (inches)

PVC Cast Iron Pipe Material

Sound Sound Pipe Seal Condition

Outlet 1

Outlets

No flow currently in channel

Clock Position 6 8 Diameter (inches)

VC Pipe Material Sound Pipe Seal Condition

Outlet Comments

Manhole ID: MH1318 Vernon, Connecticut

9/22/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 4:17:00 PM Street: Old Stone Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good Staining Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC

6

Sound

Pipe Seal Condition

Outlets Outlet 1

8 Diameter (inches)

VC Pipe Material

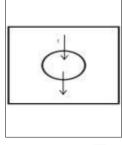
Sound Pipe Seal Condition

Comments

Clock Position

Pipe Material

Plan View



Manhole ID: MH1319 Vernon, Connecticut

Inspection Date: 9/21/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 9:39:00 AM Street: Old Stone Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Debris:

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes

Cast Iron Good Frame:

If Debris, Comments: None Grade Ring:

2% sediment in channel **Brick** Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 9 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Inlets

Formed Formed Channel Type: Channel Exposure:

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

3 **Clock Position**

8 Diameter (inches)

VC Pine Material

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

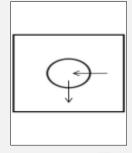
VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None



Manhole ID: MH1320 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 11:56:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Surcharge Evidence: None

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: Grade Ring: **None**

Concrete Block Good **None** Chimney:

> **Precast Concrete** Cone: Good **None**

> > **Brick**

Good

Grease Visible: No **Precast Concrete Staining** Good Walls.

Roots Evident: No **Brick** Good **None** Bench:

None Pipe Connection:

Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 32 Vented Steps: Cover Type:

Channel:

Cover Hole Diameter (in): 2 5 Quantity of Cover Holes: Present: Yes

At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

6 Diameter (inches)

PVC

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

8 Diameter (inches)

PVC Pipe Material

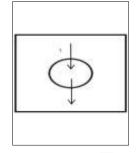
Sound

Pipe Seal Condition

Comments

Plan View

None



Manhole ID: MH1323 Vernon, Connecticut

Inspection Date: 9/15/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 10:54:00 AM Street: Diane Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

None

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Brick** Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade

Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type:

VC

Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

11 **Clock Position**

8 Diameter (inches)

Pine Material

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

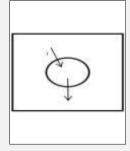
VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None



Formed

Manhole ID: MH1324 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 11:02:00 AM Street: Diane Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: Grade Ring: **None**

Spray Concrete Good **None** Chimney:

Precast Concrete Cone: Good **None** Grease Visible: No

Precast Concrete Staining Good Walls. Roots Evident: No **Brick** Good **None**

Bench: **Brick** Surcharge Evidence: None Good None Channel:

None Pipe Connection:

Steady Flow Conditions: **Cast Iron Sheet Flow** Cover: Good

Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

VC

8 Diameter (inches)

Sound Pipe Seal Condition

Pipe Material

Outlets

Outlet 1

6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound

Pipe Seal Condition

Outlet Comments

Plan View

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH1326 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Scott Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets Inlet 3 Inlet 4 Inlet 1 Inlet 2 Inlet 5

12 12 3 3 **Clock Position**

6 8 6 8 Diameter (inches)

VC VC VC VC **Plan View** Pipe Material

Sound Sound Sound Sound Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

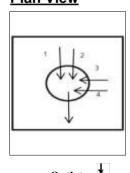
8 Diameter (inches)

Pipe Seal Condition

VC Pipe Material Sound

Comments

6" break to the top of the frame at 7 oclock.



Manhole ID: MH1327 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Hemlock Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

null **Brick** Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 0.5 4 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC

Sound Pipe Seal Condition

> **Outlets** Outlet 1

8

Pine Material

Clock Position

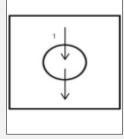
Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View



Formed

Manhole ID: MH1328 **Vernon, Connecticut**

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Scott Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Good

None

Cast Iron Frame: If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good Staining Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

VC

6

8 Diameter (inches)

Sound Pipe Seal Condition

Outlets Outlet 1

8

Diameter (inches)

VC Pipe Material

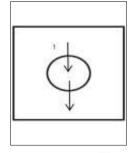
Sound Pipe Seal Condition

Comments

Pipe Material

Clock Position

Plan View



Manhole ID: MH1718 Vernon, Connecticut

Inspection Date: 9/17/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 9:51:00 AM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

None

Sheet Flow

Plan View

Formed

Good

Cast Iron Good Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

Cast Iron

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12

Clock Position

8 Diameter (inches)

VC Pine Material

Sound Pipe Seal Condition

Outlet 1

Outlets

Clock Position

8 Diameter (inches)

VC Pipe Material Sound

Pipe Seal Condition Outlet **Comments**

Manhole ID: MH1719 Vernon, Connecticut

9/17/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 9:36:00 AM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Location: External Drop Present: Yes Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good Frame: If Debris, Comments:

None Grade Ring:

Brick Good **None** Chimney:

None

Outlet

Precast Concrete Staining Cone: Good Grease Visible: No

Precast Concrete Staining Good Walls.

Roots Evident: No **Brick** Good 1 Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions: surcha

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 1

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Channel Type:

Sound

Formed Formed Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

8 Diameter (inches)

VC VC Plan View Pipe Material

Sound Sound Pipe Seal Condition

Outlets Outlet 1

Pipe Seal Condition

6 **Clock Position**

8 Diameter (inches) VC Pipe Material

Comments Infiltration on edge of walk and bench at 9 o'clock and 1 o'clock. Inlets 1 to 2 is a drop. Material is building up by drop.

Inspector: Jonathan Sano SDE, Inc.

Vernon, Connecticut

Manhole ID: MH1720

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 2:24:00 PM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: External Drop Material: pvc

Location: Asphalt Drop Condition: pvc

Debris: Material Condition Inflow/Infiltration (GPM)

Frame: Cast Iron Good None

If Debris, Comments:

If Debris, Comments: Grade Ring: None

Chimney: Concrete Block Good None

Grease Visible: No State of the Contract Contrac

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Cover Type: Solid with Pickholes Cover Diameter (in): 26

Steps: Cover Type: Solid with Pickholes Cover Diameter (in): 26

Ouantity of Cover Holes: 4 Cover Hole Diameter (in): 1

Present: Yes Quantity of Cover Holes: 4 Cover Hole Diameter (in): 1

Condition: Good Cover Elevation: At Grade Cover Fit: Good

Pipe Data

If Inflow, Drainage Area to Cover (SF):

Channel Type: Formed Channel Exposure: Formed

Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position 12 12 3 3

Diameter (inches) 8 8 8 8

Pine Material VC VC VC VC VC

Pipe Material VC VC VC VC <u>Plan View</u>

Pipe Seal Condition Sound Sound Sound Sound Sound

Outlets
Outlet 1

Inlets 1 to 2 and 3 to 4 are drops.

Clock Position 6

Diameter (inches) 8

Pipe Material VC

Pipe Seal Condition Sound

<u>Comments</u>

Inspector: Jonathan Sano SDE, Inc.

Manhole ID: MH1721 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 2:38:00 PM Street: Wayne Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Location: External Pre-Cleaning: None Drop Present: Yes Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None** Grease Visible: No

Precast Concrete Good Staining Walls. Roots Evident: No

Brick Good **None** Bench: **Brick** Good None

Surcharge Evidence: None Channel: **None**

Pipe Connection: Steady Flow Conditions: **Cast Iron Sheet Flow** Cover: Good

Cover Type: Solid with Pickholes Cover Diameter (in): 26 Steps:

Cover Hole Diameter (in): 1 <u>5</u> Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

8 Diameter (inches) VC

Sound Sound Pipe Seal Condition

VC

Outlets Outlet 1

6 **Clock Position**

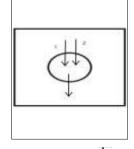
8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View



Manhole ID: MH1722 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 2:56:00 PM Street: Wayne Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: External Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Good Frame: If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete** Good **None** Walls. Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

VC

8 Diameter (inches)

Sound Sound Pipe Seal Condition

VC

Outlets Outlet 1

8

Pine Material

Clock Position

Diameter (inches)

VC Pipe Material

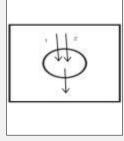
Sound Pipe Seal Condition

Comments

Plan View

Formed

None



Manhole ID: MH1724 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/15/2020 4:00:00 PM

Inspection Time: 6:23:00 PM Street: Russell Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Frame:

If Debris, Comments: None Grade Ring:

5% debris in channel **Brick Fair** None Chimney:

> **Precast Concrete** Cone: Good **None**

Good

None

Cast Iron

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 5

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pine Material

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

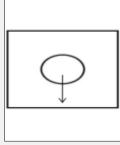
VC Pipe Material

Sound Pipe Seal Condition

Comments

Crack on chimney. No flow in channel. Starter

Plan View



Manhole ID: MH1725 Vernon, Connecticut

9/15/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 9:31:00 AM Street: Brent Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls: Roots Evident: No

Brick Good **None** Bench: **Brick** Good None

Surcharge Evidence: None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Formed

Plan View

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 3 **Clock Position**

8

VC VC Pipe Material

Sound Sound

Pipe Seal Condition

Outlet 1

Sound

Diameter (inches)

Outlets

6 **Clock Position**

8 Diameter (inches) VC Pipe Material

Pipe Seal Condition Outlet **Comments**

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH1726 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Foster Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron

Cast Iron

Good

Good

None

Sheet Flow

Frame: If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete** Good **None** Walls. Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cover: Cover Type: Solid with Pickholes Cover Diameter (in): 26 Steps:

Cover Hole Diameter (in): 1 2

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pine Material

Comments

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

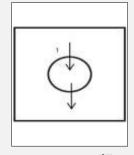
VC Pipe Material

Sound Pipe Seal Condition

No flow. Starter. Top of frame broken 4" at 5 oclock.

VC

Plan View



Outlet

Inspector: Jonathan Sano

Manhole ID: MH1743 Vernon, Connecticut

Inspection Date: 9/21/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 1:53:00 PM Street: Risley Rd

Location: Creek Manhole Size (in): 48

Surface Type: Woods Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Woods Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Good Frame: If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 <u>11</u> Quantity of Cover Holes:

Present: Yes At Grade

Good Cover Elevation: Cover Fit: Condition: Good

Cast Iron

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

12 Diameter (inches)

VC Pine Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

12 Diameter (inches)

VC Pipe Material

Sound

Pipe Seal Condition **Comments**

Plan View

Formed

None

None

Good

Manhole ID: MH1798 Vernon, Connecticut

9/22/2020 4:00:00 PM Inspection Date: Sewer Shed: V27

Inspection Time: 11:25:00 AM Street: Kelly Rd Easement

Location: Roadway Manhole Size (in): 48

Surface Type: Woods Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Woods Location:

Steady

Material Condition Inflow/Infiltration (GPM) No

Debris: **Cast Iron** Good **None** Frame:

If Debris, Comments: None Grade Ring:

> **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** <u>Fair</u> Staining Walls:

Roots Evident: No **Brick** Good **None** Bench: **Brick** Good None

Surcharge Evidence: None Channel: **None** Pipe Connection:

Flow Conditions: **Cast Iron None** Cover: Good

Cover Diameter (in): 32 **Bolted** Steps: Cover Type:

Cover Hole Diameter (in): 0.5 6 Quantity of Cover Holes: Present: Yes

Above Grade Good Cover Elevation: Cover Fit:

Formed

Plan View

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

1 **Clock Position**

18 Diameter (inches)

VC Pipe Material

Sound

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

18 Diameter (inches) VC Pipe Material

Pipe Seal Condition Outlet **Comments**

Manhole ID: MH1799 Vernon, Connecticut

Inspection Date: 9/22/2020 4:00:00 PM Sewer Shed: V27

Inspection Time: 11:47:00 AM Street: Kelly Rd Easement

Location: **Easement** Manhole Size (in): 48

Surface Type: Woods Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Woods Location:

Material Condition Inflow/Infiltration (GPM) No

Debris: **Cast Iron** Good None Frame:

If Debris, Comments: Grade Ring: None

> **None** Chimney:

Precast Concrete Cone: **Fair None** Grease Visible: No

Precast Concrete Staining Fair Walls:

Roots Evident: Yes **Unknown Poor** 0.01 Bench:

Brick Surcharge Evidence: None Good None Channel:

Pipe Connection: Steady Flow Conditions: **Cast Iron None** Good

Cover: Cover Diameter (in): 32

Bolted Steps: Cover Type:

Cover Hole Diameter (in): 0.5 6 Quantity of Cover Holes: Present: Yes

Above Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

18

Diameter (inches) VC Pine Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

18 Diameter (inches)

VC Pipe Material

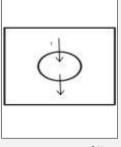
Sound Pipe Seal Condition

Comments

Roots coming from top of cone at 12 o'clock.

Plan View

None



Formed

Manhole ID: MH1800 Vernon, Connecticut

9/22/2020 4:00:00 PM Inspection Date: Sewer Shed: V27

Inspection Time: 11:04:00 AM Street: Kelly Rd Easement

Location: **Easement** Manhole Size (in): 48

Surface Type: Woods Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Woods Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Good **None** Frame:

If Debris, Comments: None Grade Ring:

> **None** Chimney:

Precast Concrete Cone: Good **None** Grease Visible: No

Precast Concrete Good **Staining** Walls:

Roots Evident: No **Unknown Poor** 0.25 Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron None Cover: Good

Cover Diameter (in): 32 **Bolted** Steps: Cover Type:

Cover Hole Diameter (in): 0.5 6 Quantity of Cover Holes: Present: Yes

Above Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Inlets

Formed Formed Channel Type: Channel Exposure:

Plan View

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

11 **Clock Position**

VC

18 Diameter (inches)

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

18 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlet **Comments**

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH2131 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 9:15:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good Frame: If Debris, Comments: None

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

9 3 **Clock Position**

8 12 Diameter (inches)

VC

Pipe Material

VC

Sound

Sound Sound Pipe Seal Condition

> **Outlets** Outlet 1

Pipe Seal Condition

6 **Clock Position**

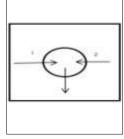
12 Diameter (inches)

VC Pipe Material

Comments

Plan View

None



Formed

Manhole ID: MH2133 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 11:21:00 AM Street: Diane Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

None

Plan View

Cast Iron Good None Frame: If Debris, Comments:

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Formed Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

11 **Clock Position**

8 Diameter (inches)

Pipe Material

VC

Sound Pipe Seal Condition

Outlets Outlet 1 6 **Clock Position**

8 Diameter (inches) VC Pipe Material

Sound Pipe Seal Condition Outlet **Comments**

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH2134 Vernon, Connecticut

Inspection Date: 9/15/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 11:37:00 AM Street: Foster Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

None

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 4 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Channel Type:

VC

Formed Formed Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

10 **Clock Position**

Diameter (inches)

Pine Material

8

Sound Pipe Seal Condition

Outlets Outlet 1

Clock Position

8 Diameter (inches)

VC Pipe Material

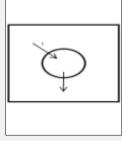
Sound

Pipe Seal Condition

Comments

Plan View

None



Manhole ID: MH2135 Vernon, Connecticut

9/15/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 11:53:00 AM Street: Foster Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Location: External Pre-Cleaning: None Drop Present: Yes Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

None

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 3

Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

8 Diameter (inches) VC VC

Sound Sound Pipe Seal Condition

Outlets

Outlet 1 6

Clock Position 8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Pipe Material

Inlet 1 to 2 is a drop.

Plan View

None

Outlet

Formed

Manhole ID: MH2136 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/15/2020 4:00:00 PM

Inspection Time: 12:08:00 PM Street: Foster Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

10% sediment in channel **Brick** Good **None** Chimney:

> **Precast Concrete Staining** Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 2 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pine Material

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

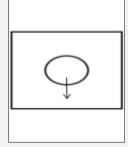
VC Pipe Material

Sound Pipe Seal Condition

Comments

No flow in channel. Starter

Plan View



Outlet

SDE, Inc.

Vernon, Connecticut

Manhole ID: MH2138

Inspection Date: 9/14/2020 Sewer Shed: V19

Inspection Time: Street: Street:

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: External Drop Material: VC

Location: Asphalt Drop Condition: VC

Debris: Material Condition Inflow/Infiltration (GPM)

Frame:

Cast Iron

Good

None

Outlet

If Debris, Comments: Grade Ring: None

null Chimney: <u>Brick</u> <u>Good</u> <u>None</u>

Cone: Precast Concrete Good None

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Cover Type: Vented Cover Diameter (in): 24

Steps: Cover Type: Vented Cover Diameter (in): 24

Ouantity of Cover Holes: 3 Cover Hole Diameter (in): 1

Present: Yes Quantity of Cover Holes: 3 Cover Hole Diameter (in): 1

Condition: Good Cover Elevation: At Grade Cover Fit: Good

Pipe Data

If Inflow, Drainage Area to Cover (SF):

Channel Type: Formed Channel Exposure: Formed

Inlets

8

 Inlet 1
 Inlet 2
 Inlet 3
 Inlet 4
 Inlet 5

Clock Position 12 12 3 3

Pipe Material VC VC VC VC Plan View

Pipe Seal Condition Sound Sound Sound Sound

<u>Outlets</u>

Diameter (inches)

Outlet 1

Clock Position 6

Diameter (inches) 8

Diameter (inches)

Pine Material

VC

8

Ding Seel Condition Sound

Pipe Seal Condition Sound

Comments

inlet 1 to 2 and 3 to 4 are drops

Inspector: Jonathan Sano SDE, Inc.

Vernon, Connecticut

Manhole ID: MH2140

Inspection Date: 9/14/2020 Sewer Shed: V19

Inspection Time: Street: Vine Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Good

None

Frame: No flow. Starter.

If Debris, Comments: Grade Ring: None

null Chimney: <u>Brick</u> <u>Good</u> <u>None</u>

Cone: Precast Concrete Good Staining

Grease Visible: No Walls: Precast Concrete Good None

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Pipe Connection:

Cover: Cast Iron Good Sheet Flow

Steps: Cover Type: Vented Cover Diameter (in): 26

Present: Yes Quantity of Cover Holes: 4 Cover Hole Diameter (in): 0.5

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Formed Channel Exposure: Formed

<u>Inlet 1</u> <u>Inlet 2</u> <u>Inlet 3</u> <u>Inlet 4</u> <u>Inlet 5</u>

Clock Position

Pipe Material

Diameter (inches)

Discrete (in shee)

D' G 1 G 11.1

Pipe Seal Condition

Outlets Outlet 1

Clock Position 6

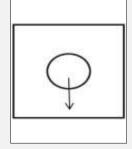
Diameter (inches) 8

Pipe Material VC

Pipe Seal Condition Sound

<u>Comments</u>

Plan View



Manhole ID: MH2141 **Vernon, Connecticut**

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Cross Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location: Material Condition <u>Inflow/Infiltration (GPM)</u>

No Debris: **Cast Iron** Good **None** Frame:

If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 3

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Formed Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 3 **Clock Position**

8 Diameter (inches)

VC VC Pipe Material

Sound Sound Pipe Seal Condition

Outlets

Outlet 1 6

Clock Position 8 Diameter (inches)

Plan View

VC Pipe Material

Sound Pipe Seal Condition Outlet **Comments**

Manhole ID: MH2361 Vernon, Connecticut

Sewer Shed: V27 Inspection Date: 9/21/2020 4:00:00 PM

Inspection Time: 2:45:00 PM Street: Kelly Rd Easement

Location: **Easement** Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Concrete Block** Good None Chimney:

> **Precast Concrete** Cone: Good **None**

None

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: Yes **Brick** Good 0.01 Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron None Cover: Good

Cover Diameter (in): 32 **Bolted** Steps: Cover Type:

Cover Hole Diameter (in): 0.5 5 Quantity of Cover Holes: Present: Yes

Above Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pine Material

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position 11

VC

8 18 Diameter (inches)

VC

Fair Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

18 Diameter (inches)

VC

Sound Pipe Seal Condition

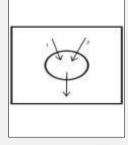
Comments

Pipe Material

Evidence of infiltration on bench.

Plan View

None



Manhole ID: MH2579 Vernon, Connecticut

Inspection Date: 9/17/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 11:41:00 AM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Good

None

Plan View

Cast Iron Frame: If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 6

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data **Formed** Channel Type:

VC

Formed Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

10 Diameter (inches)

Sound Pipe Seal Condition

Pine Material

Outlets

Outlet 1

6 **Clock Position**

10 Diameter (inches)

VC Pipe Material

Sound

Pipe Seal Condition Outlet **Comments**

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH2580 Vernon, Connecticut

9/17/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 11:32:00 AM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron <u>Fair</u> Frame: If Debris, Comments: None

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good Staining Bench:

Surcharge Evidence: None **None**

Pipe Connection: Steady Flow Conditions:

Cast Iron Cover: Cover Diameter (in): 26 Vented Steps: Cover Type:

Channel:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Brick

Good

Good

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

10 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position 6

10 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

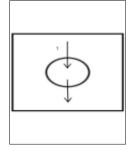
Crack going down frame at 6 o'clock

Plan View

None

None

Sheet Flow



Manhole ID: MH2581 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/17/2020 4:00:00 PM

Inspection Time: 10:53:00 AM Street: Hansen Dr

Location: Yard Manhole Size (in): 48

Surface Type: Grass Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: External Drop Material: VC

Drop Condition: VC Grass Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

None

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Brick** Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 32 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 <u>14</u> Quantity of Cover Holes: Present: Yes

At Grade

Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12

Clock Position

VC

10 10 Diameter (inches)

Sound Sound

Pipe Seal Condition

VC

Outlets Outlet 1

Pine Material

6 **Clock Position**

12 Diameter (inches)

VC Pipe Material

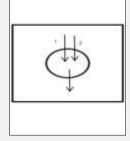
Sound Pipe Seal Condition

Comments

Inlet 1 to 2 is a drop

Plan View

None



Formed

Outlet

Inspector: Jonathan Sano

Manhole ID: MH2583 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 1:33:00 PM Street: Gardner Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Steps:

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Frame: If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

> **Precast Concrete** Cone: Good **None**

Good

None

Cast Iron

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

6 Diameter (inches)

PVC Pine Material

Sound Pipe Seal Condition

Outlets Outlet 1

No flow in channel

Clock Position

8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

Formed

Outlet

SDE, Inc. Inspector: Jonathan Sano

Vernon, Connecticut

Manhole ID: MH2584

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 1:44:00 PM Street: Gardner Rd

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

None

Formed

Plan View

Frame: Cast Iron Good

If Debris, Comments: Grade Ring: None

Grade Ring: None

Chimney: Brick Good None

Cone: Precast Concrete Good Staining

Grease Visible: No Walls: Precast Concrete Good None

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Cover: Cast Iron Good Sheet Flow

Steps: Cover Type: Solid with Pickholes Cover Diameter (in): 26

Steps: Cover Type: Solid with Pickholes Cover Diameter (in): 20

Present: Yes Quantity of Cover Holes: 2 Cover Hole Diameter (in): 1

Present: Yes Quantity of Cover Holes: 2 Cover Hole Diameter (III). 2

Cover Flevation: At Grade Cover Fit: Good

Condition: Good Cover Elevation: At Grade Cover Fit: Good

Pipe Data

If Inflow, Drainage Area to Cover (SF):

Channel Type: Formed Channel Exposure:

Inlets

<u>Inlet 1</u> <u>Inlet 2</u> <u>Inlet 3</u> <u>Inlet 4</u> <u>Inlet 5</u>

Clock Position 12

Clock I dollar

Diameter (inches) 8

Pipe Material VC

Pipe Seal Condition Sound

Outlet 1

Outlets

Clock Position 6

Diameter (inches) 8
Pipe Material VC

Pipe Seal Condition Sound

Comments

Outlet

Inspector: Jonathan Sano SDE, Inc.

Manhole ID: MH2586 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 2:54:00 PM Street: Diane Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Frame: If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

> **Precast Concrete Staining** Cone: Good

<u>Fair</u>

None

Grease Visible: No **Precast Concrete** Good **None** Walls: Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 5 Quantity of Cover Holes: Present: Yes

At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type:

Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

Pipe Material Sound Pipe Seal Condition

VC

Outlets

Outlet 1

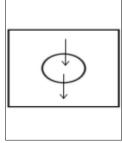
Clock Position 6

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments Small crack on chinmey at 12 oclock and riser at 6 oclock Plan View



Formed

Vernon, Connecticut

Manhole ID: MH2587

Inspection Date: 9/15/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 10:20:00 AM Street: Diane Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Good

None

Frame: Cast Iron

If Debris, Comments: Grade Ring: None

Chimney: <u>Brick</u> <u>Good</u> <u>None</u>

Cone: Precast Concrete Good None

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: Yes Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Steps: Cover: Cast Iron Good Sheet Flow

Cover Type: Vented Cover Diameter (in): 26

Present: Yes Quantity of Cover Holes: 6 Cover Hole Diameter (in): 1

Cover Elevation: At Grade Cover Fit: Good

Condition: Good Cover Elevation: At Grade Cover Fit:

Pipe Data

If Inflow, Drainage Area to Cover (SF):

Channel Type: Formed Channel Exposure:

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

CILL D. W. 10 12

Clock Position 10 12

Diameter (inches) 8 8

Pine Material VC VC

Pipe Material VC VC

Pipe Seal Condition Sound Fair

Pipe Seal Condition Sound Fair

Outlets
Outlet 1

Clock Position 6

Diameter (inches) 8

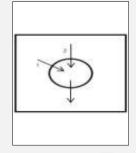
Pipe Material VC

Pipe Seal Condition Sound

Comments

Roots growing arouid 12 oclock inlet and wall above outlet

Plan View



Formed

Outlet

Inspector: Jonathan Sano

Manhole ID: MH2588 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 10:35:00 AM Street: Diane Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Debris:

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 6 Quantity of Cover Holes:

Present: Yes At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data **Formed** Channel Type: Channel Exposure:

Formed Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

Pipe Material

VC

Sound Pipe Seal Condition

Outlet 1

Outlets

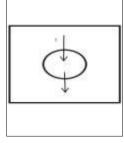
6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition **Comments**

Plan View



Manhole ID: MH2590 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 1:39:00 PM Street: Michael Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

None

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good Staining Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type:

Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12

Clock Position

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

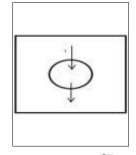
8 Diameter (inches)

VC Pipe Material Sound

Pipe Seal Condition Comments

Plan View

None



Formed

Manhole ID: MH2591 Vernon, Connecticut

Inspection Date: 9/15/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 1:31:00 PM Street: Michael Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Cast Iron

Good

None

Frame: If Debris, Comments: None Grade Ring:

5% sediment in channel **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26

Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pine Material

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

Clock Position

Diameter (inches)

Pipe Material

Sound Pipe Seal Condition

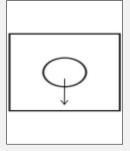
No Flow. Starter.

8

VC

Comments

Plan View



Manhole ID: MH2592 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 10:11:00 AM Street: Brent Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None** Grease Visible: No

Precast Concrete Staining Good Walls: Roots Evident: No

Bench: **Brick** Surcharge Evidence: None Good None Channel:

None

Pipe Connection: Steady Flow Conditions: **Cast Iron Sheet Flow** Cover: Good

Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Brick

Good

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Formed Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

8 Diameter (inches)

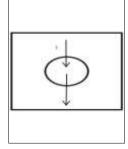
VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None



Vernon, Connecticut

Manhole ID: MH2594

Inspection Date: 9/14/2020 Sewer Shed: V19

Inspection Time: Street: <u>Cross Dr</u>

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Good

None

Formed

Plan View

Frame: Cast Iron

If Debris, Comments: Grade Ring: None

null Chimney: <u>Brick</u> <u>Good</u> <u>None</u>

Cone: Precast Concrete Good None

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Steady Pipe Connection: None

Steps: Cover: Cast Iron Good Sheet Flow

Cover Type: Vented Cover Diameter (in): 24

Present: Yes Quantity of Cover Holes: 3 Cover Hole Diameter (in): 1

Cover Elevation: At Grade Cover Fit: Good

Condition: Good Cover Elevation: At Grade Cover Fit: Good

Pipe Data

If Inflow, Drainage Area to Cover (SF):

Channel Type: Formed Channel Exposure:

Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position 2

Clock Position -

Diameter (inches) 8

Pipe Material VC

Pipe Seal Condition Sound

Outlets
Outlet 1

Clock Position 6

Diameter (inches) 8
Pipe Material VC

Pipe Seal Condition Sound

Comments

Outlet

Inspector: Jonathan Sano SDE, Inc.

Manhole ID: MH2595 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Cross Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Frame:

If Debris, Comments: None Grade Ring:

2% debris in channel **Brick** Good **None** Chimney:

> **Precast Concrete Staining** Cone: Good

Cast Iron

Good

None

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Channel Type:

Formed Formed Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

8 Diameter (inches)

VC Pine Material

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

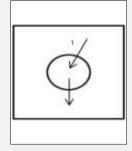
VC Pipe Material

Sound Pipe Seal Condition

Comments

5" break on top of frame at 1 oclock.

Plan View



Vernon, Connecticut

Manhole ID: MH2597

Inspection Date: 9/14/2020 Sewer Shed: V19

Inspection Time: Street: Street:

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Frame:

Cast Iron

Good

None

If Debris, Comments: Grade Ring: None

null Chimney: <u>Brick</u> <u>Good</u> <u>None</u>

Cone: Precast Concrete Good None

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Brick Good None

Flow Conditions: Pipe Connection: None

Steps: Cover: Cast Iron Good Sheet Flow

Cover Type: Vented Cover Diameter (in): 24

Present: Yes Quantity of Cover Holes: 3 Cover Hole Diameter (in): 1

Cover Elevation: At Grade Cover Fit: Good

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: Formed Channel Exposure: Formed

<u>Inlet 1</u> <u>Inlet 2</u> <u>Inlet 3</u> <u>Inlet 4</u> <u>Inlet 5</u>

Clock Position 12

Diameter (inches) 8

Pipe Material VC

Pipe Seal Condition Sound

Outlets

Outlet 1

Clock Position 6

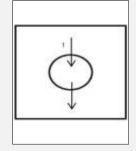
Diameter (inches) 8

Pipe Material VC

Pipe Seal Condition Sound

Comments

Plan View



Manhole ID: MH2647 Vernon, Connecticut

Inspection Date: 9/22/2020 4:00:00 PM Sewer Shed: V27

Inspection Time: 9:38:00 AM Street: Hartford Toke

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Cast Iron

Good

None

Frame: If Debris, Comments: None Grade Ring:

Brick Good Staining Chimney:

Concrete Block Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good

Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Formed Channel Type:

Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

8 **Clock Position** 11

Diameter (inches)

PVC PVC Pine Material

Sound Sound Pipe Seal Condition

> **Outlets** Outlet 1

Clock Position

6 Diameter (inches)

PVC

Sound Pipe Seal Condition

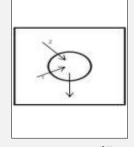
Comments

Pipe Material

Pipe Data

Standing water in channel.

Plan View



Formed

Vernon, Connecticut

Manhole ID: MH2648

Inspection Date: 9/17/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 8:52:00 AM Street: Echo Ridge Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Frame: Cast Iron Good None

If Debris, Comments: Grade Ring: None

Chimney: Spray Concrete Good None

Cone: Precast Concrete Good None

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Lined Good None

Flow Conditions: Steady Pipe Connection: None

Cover Type: Vented Cover Diameter (in): 32

Steps: Cover Type: Vented Cover Diameter (in): 32

Ouantity of Cover Holes: 5 Cover Hole Diameter (in): 2

Present: Yes Quantity of Cover Holes: 5 Cover Hole Diameter (in): 2

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: insert Channel Exposure: insert

Clock Position 12

Clock I dollari

Diameter (inches) 8

Pipe Seal Condition Sound

Lined

<u>Outlets</u>

Outlet 1

Clock Position 6

Pipe Material

Diameter (inches) 8

Pipe Material Lined

Pipe Seal Condition Sound

Comments

Plan View

Vernon, Connecticut

Manhole ID: MH2650

Inspection Date: 9/17/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 8:23:00 AM Street: Echo Ridge Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Good

None

Frame: Cast Iron G

If Debris, Comments: Grade Ring: None

Chimney: <u>Brick</u> <u>Good</u> <u>None</u>

Cone: Precast Concrete Good Staining

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Lined Good None

Flow Conditions: Steady Pipe Connection: None

Steps: Cover: Cast Iron Good Sheet Flow

Cover Type: Vented Cover Diameter (in): 32

Present: Yes Quantity of Cover Holes: 5 Cover Hole Diameter (in): 2

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: <u>insert</u> Channel Exposure: <u>insert</u>

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position 12

Diameter (inches) 8

Pipe Material Lined

Pipe Seal Condition Sound

Outlets

Outlet 1

Clock Position 6

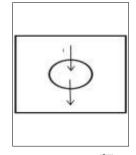
Diameter (inches) 8

Pipe Material Lined

Pipe Seal Condition Sound

Comments

Plan View



Vernon, Connecticut

Manhole ID: MH2651

Inspection Date: 9/17/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 8:12:00 AM Street: Echo Ridge Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Material Condition Inflow/Infiltration (GPM)

Pehris: Yes

Debris: Yes
Frame: Cast Iron Good None

If Debris, Comments: Grade Ring: None

5% sediment in the outlet.

Chimney:

Cone: Precast Concrete Good None

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: None Bench:

Surcharge Evidence: None Channel: None

Flow Conditions: Pipe Connection:

Cover: Cast Iron Good Sheet Flow

Steps: Cover Type: Vented Cover Diameter (in): 32

Present: Yes Quantity of Cover Holes: 5 Cover Hole Diameter (in): 2

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: None Channel Exposure: None

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position

Pine Material

Clock Position

Diameter (inches)

Inlets

Pipe Seal Condition

Outlets Outlet 1

<u>Odlict 1</u>

Diameter (inches) 8

Diameter (menes)

Pipe Material PVC

Pipe Seal Condition Sound

<u>Comments</u>

No channel in MH.Floor is cast in place Concrete.

Plan View

Manhole ID: MH2921 Vernon, Connecticut

Inspection Date: 9/21/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 11:58:00 AM Street: Tunnel Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> Yes Debris:

Cast Iron Frame: If Debris, Comments: None Grade Ring:

40% of channel filled with sediment **Brick** Good **None** Chimney:

> **Precast Concrete** Cone: Good **None**

Good

None

Grease Visible: No **Precast Concrete** Good Staining Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Type: Solid with Pickholes Cover Diameter (in): 32 Steps:

Cover Hole Diameter (in): 1 <u>3</u> Quantity of Cover Holes:

Present: Yes At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pipe Material

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

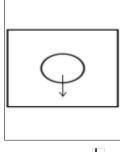
Sound

Pipe Seal Condition

Comments

No flow. Starter

Plan View



Manhole ID: MH2922 Vernon, Connecticut

Inspection Date: 9/21/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 11:50:00 AM Street: Tunnel Rd

Location: **Roadway** Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Debris:

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes

Cast Iron Good Frame:

If Debris, Comments: None Grade Ring:

2% debris in channel **Brick** Good None Chimney:

> **Precast Concrete** Cone: Good **None**

> > **Brick**

Good

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good Staining Bench:

Channel:

Surcharge Evidence: None **None**

Pipe Connection: Steady Flow Conditions: **Cast Iron Sheet Flow** Good

Cover: Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data **Formed**

VC

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

10 **Clock Position**

8 Diameter (inches)

Sound Pipe Seal Condition

Outlets

Pine Material

Outlet 1

6 **Clock Position**

15 Diameter (inches)

VC Pipe Material

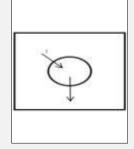
Sound Pipe Seal Condition

Comments

Plan View

None

None



Manhole ID: MH2924 Vernon, Connecticut

9/21/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 9:57:00 AM Street: Old Stone Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame: If Debris, Comments:

None Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 2 6

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Formed Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

9 12 **Clock Position**

VC

12 Diameter (inches)

Sound Sound

Pipe Seal Condition

VC

Sound

Outlets Outlet 1

Pipe Material

6 **Clock Position**

Plan View

12 Diameter (inches) VC Pipe Material

Pipe Seal Condition Outlet Comments

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH2925 Vernon, Connecticut

Inspection Date: 9/21/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 10:08:00 AM Street: Old Stone Rd

Location: **Roadway** Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Good

None

Formed

Plan View

Cast Iron Frame: If Debris, Comments: None

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 2 6 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

12 Diameter (inches)

VC Pine Material

Sound Pipe Seal Condition

Outlets Outlet 1

Pipe Material

6 **Clock Position**

10 Diameter (inches) VC

Sound Pipe Seal Condition

Outlet **Comments**

Manhole ID: MH2926 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 9:37:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good Grease Visible: No

Precast Concrete Good **None** Walls: Roots Evident: No **Brick** Good **None**

Bench: **Brick** Surcharge Evidence: None Good **None**

None Pipe Connection:

Flow Conditions: **Cast Iron Sheet Flow** Cover: Good

Cover Diameter (in): 26 Vented

Channel:

Steps: Cover Type: Cover Hole Diameter (in): 1 5 Quantity of Cover Holes:

Present: Yes At Grade Good

Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Formed Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

8 Diameter (inches)

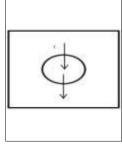
VC Pipe Material

Sound Pipe Seal Condition

Comments

No flow in channel

Plan View



Vernon, Connecticut

Manhole ID: MH2928

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 11:37:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: Asphalt Inspection Status: Inspected

Manhole Use: Sanitary Weather: Dry - No Rain

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Location: Asphalt Drop Condition: N/A

Debris: Material Condition Inflow/Infiltration (GPM)

Frame: Cast Iron Good None

If Debris, Comments: Grade Ring: None

Chimney: Concrete Block Good None

Cone: <u>Precast Concrete</u> <u>Good</u> <u>None</u>

Grease Visible: No Walls: Precast Concrete Good Staining

Roots Evident: No Bench: Brick Good None

Surcharge Evidence: None Channel: Lined Good None

Flow Conditions: Steady Pipe Connection: None

Cover: Cast Iron Good Sheet Flow

Steps: Cover Type: Vented Cover Holes: 5 Cover Hole Diameter (in): 32

Present: Yes Quantity of Cover Holes: 5 Cover Hole Diameter (in): 2

Condition: Good Cover Elevation: At Grade Cover Fit: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: <u>insert</u> Channel Exposure: <u>insert</u>

Clock Position 12

Diameter (inches) 8

Pipe Material Lined

Pipe Seal Condition Sound

Outlets
Outlet 1

Clock Position 6

Diameter (inches) 8
Pipe Material Lined

Plan View

Pipe Seal Condition Sound

Comments

Outlet

Manhole ID: MH3097 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 8:07:00 AM Street: Russell Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Frame: If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

> **Precast Concrete** Cone: Good **None**

Good

None

Cast Iron

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 3

Quantity of Cover Holes: Present: Yes

Below Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pine Material

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

Sound Pipe Seal Condition

VC

Outlets

Outlet 1

Clock Position

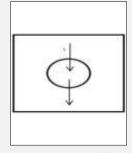
8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View



Manhole ID: MH3099 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 8:22:00 AM Street: Russell Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Location: Internal Pre-Cleaning: None Drop Present: Yes Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Frame:

If Debris, Comments: None Grade Ring:

Brick Good None Chimney:

> **Precast Concrete** Cone: Good **None**

Good

None

Outlet

Cast Iron

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 5

Quantity of Cover Holes: Present: Yes

Below Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5 3

10 12 **Clock Position**

8 4 Diameter (inches) VC VC VC VC

Plan View Pine Material

Sound Sound Sound Pipe Seal Condition

Outlets Outlet 1

Clock Position

8 Diameter (inches)

VC Pipe Material

Pipe Seal Condition

Comments

Sound

Inlet 3 to 4 is a drop. Top of drop starting to surcharge

Inspector: Jonathan Sano SDE, Inc.

Manhole ID: MH450 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 10:19:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

2% sediment in channel **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Staining Precast Concrete** Good Walls.

Roots Evident: No **Brick** Good None Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 4

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pine Material

Diameter (inches)

Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

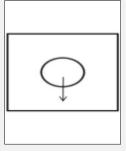
VC Pipe Material

Sound Pipe Seal Condition

Comments

No flow. Starter

Plan View



Manhole ID: MH451 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 8:34:00 AM Street: Russell Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good Frame: If Debris, Comments:

None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good Grease Visible: No

Precast Concrete Staining Good Walls: Roots Evident: No

Brick Good **None** Bench: **Brick** Surcharge Evidence: None Good None Channel:

None

Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 2 Quantity of Cover Holes:

Present: Yes **Below Grade**

Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Pipe Material

Outlets

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

Sound Pipe Seal Condition

VC

Outlet 1

6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None

Manhole ID: MH453 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 8:52:00 AM Street: Brent Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Good

None

Cast Iron Frame: If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete** Good **None** Walls: Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good **None** Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 6

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC

Sound Pipe Seal Condition

Outlets Outlet 1

Pipe Material

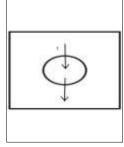
6 **Clock Position**

8 Diameter (inches)

VC Pipe Material Sound Pipe Seal Condition

Comments

Plan View



Outlet

SDE, Inc.

Manhole ID: MH455 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Cross Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Present: Yes Drop Location: External Pre-Cleaning: None Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Frame:

Cast Iron

Good

None

Formed

Plan View

Outlet

If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

8 Diameter (inches) VC

Pipe Material

Sound Sound Pipe Seal Condition

VC

Outlets Outlet 1

6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition Comments

Inlet 1 to 2 is a drop.

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH488 Vernon, Connecticut

Sewer Shed: V27 Inspection Date: 9/22/2020 4:00:00 PM

Inspection Time: 2:20:00 PM Street: Kelly Rd Easement

Location: **Easement** Manhole Size (in): 48

Surface Type: **Grass** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Grass Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Good

Good

None

None

Cast Iron Frame:

If Debris, Comments: Grade Ring: None

> **None** Chimney:

Precast Concrete Cone: Good **None** Grease Visible: No

Precast Concrete Staining Good Walls.

Roots Evident: No **Brick Poor** 0.1 Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cover: Cover Diameter (in): 32 **Bolted**

Steps: Cover Type:

Cover Hole Diameter (in): 0.5 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

Cast Iron

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pine Material

Comments

Formed Formed Channel Type: Channel Exposure:

Inlets Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

Diameter (inches)

18

Pipe Seal Condition poor

Outlets

Outlet 1

6 **Clock Position**

18 Diameter (inches)

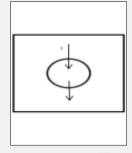
VC Pipe Material

Sound Pipe Seal Condition

Weeper at banch at 9 and 11 o'clock. Runner at inlet seal

VC

Plan View



Manhole ID: MH489 Vernon, Connecticut

9/22/2020 4:00:00 PM Sewer Shed: V27 Inspection Date:

Inspection Time: 2:41:00 PM Street: Kelly Rd Easement

Location: **Easement** Manhole Size (in): 48

Surface Type: **Grass** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Flow Conditions:

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Grass Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

> **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete** 0.05 **Poor** Walls: Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good **None** Channel:

None Pipe Connection: Steady

Cast Iron None Cover: Good

Cover Diameter (in): 32 **Bolted** Steps: Cover Type:

Cover Hole Diameter (in): 0.5 6 Quantity of Cover Holes: Present: Yes

Above Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets Inlet 3

Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

18 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

18 Diameter (inches)

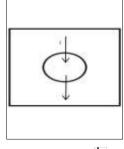
VC Pipe Material

Sound Pipe Seal Condition

Comments

Weeper on wall at 1 o'clock.

Plan View



Formed

Manhole ID: MH842 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/17/2020 4:00:00 PM

Inspection Time: 12:13:00 PM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Frame:

Cast Iron

Fair

None

If Debris, Comments: None Grade Ring:

5% sediment in channel **Brick** Good **None** Chimney:

> **Precast Concrete Staining** Cone: Good

Grease Visible: No **Precast Concrete** Good **None** Walls. Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pine Material

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

VC

8 Diameter (inches)

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

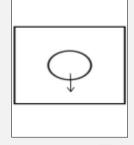
VC Pipe Material

Sound Pipe Seal Condition

Comments

Crack on frame at 9 o'clock

Plan View



Manhole ID: MH843 Vernon, Connecticut

9/17/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 10:38:00 AM Street: Hansen Dr

Location: Yard Manhole Size (in): 48

Surface Type: Grass Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Grass Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 6 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

9 **Clock Position** 12

VC

10 10 Diameter (inches)

Sound Sound Pipe Seal Condition

VC

6

Outlets Outlet 1

Clock Position

Pipe Material

10 Diameter (inches)

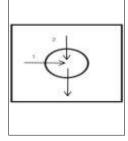
VC Pipe Material

Sound

Pipe Seal Condition

Comments

Plan View



Formed

Manhole ID: MH845 Vernon, Connecticut

9/17/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 9:58:00 AM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good Frame: If Debris, Comments: None

Grade Ring: **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete** Good **None** Walls: Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good **None** Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 5 Quantity of Cover Holes:

Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC Pipe Material

6

Sound Pipe Seal Condition

Outlets Outlet 1

Clock Position

8 Diameter (inches)

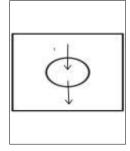
VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None



Manhole ID: MH847 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 10:51:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Surcharge Evidence: None Channel: **None**

Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 32 Vented

Steps: Cover Type: Cover Hole Diameter (in): 2 5

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

Brick

Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12

Clock Position

8 Diameter (inches)

Pipe Material Sound Pipe Seal Condition

PVC

Outlets Outlet 1

6 **Clock Position**

8 Diameter (inches)

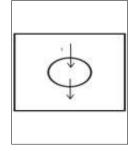
PVC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View

None



Manhole ID: MH848 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 11:01:00 AM Street: Echo Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

None

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: **Concrete Block** Good None Chimney:

Precast Concrete Good **None**

Cone: Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None

Pipe Connection: Steady Flow Conditions: **Sheet Flow**

Cast Iron Cover: Good Cover Diameter (in): 32 Vented Steps: Cover Type:

Cover Hole Diameter (in): 2 5

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data **Formed** Channel Type:

Formed Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

Pine Material

8 Diameter (inches)

Sound Pipe Seal Condition

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

PVC Pipe Material

Sound Pipe Seal Condition

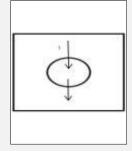
Comments

PVC

Hole in cone at 5 o'clock with staining underneath.

Plan View

None



Manhole ID: MH849 Vernon, Connecticut

9/16/2020 4:00:00 PM Inspection Date: Sewer Shed: V19

Inspection Time: 2:00:00 PM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: Grade Ring: **None**

Concrete Block Good **None** Chimney:

Precast Concrete Staining Cone: Good Grease Visible: No

Precast Concrete Good **None** Walls. Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good **None** Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26

Steps: Cover Type: Cover Hole Diameter (in): 1 4

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

Vented

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

3 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

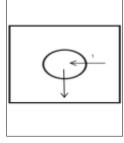
8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View



Manhole ID: MH850 Vernon, Connecticut

Inspection Date: 9/16/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 2:04:00 PM Street: Hansen Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: Yes Drop Location: External Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

None

Good

None

Cast Iron Frame: If Debris, Comments:

Grade Ring: **Concrete Block** Good **None** Chimney:

Staining Cone: **Precast Concrete** Good

Grease Visible: No **Precast Concrete** Good **None** Walls. Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 6

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3

Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

VC

8 Diameter (inches)

Sound Sound Pipe Seal Condition

VC

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

VC Pipe Material

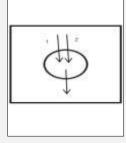
Sound Pipe Seal Condition

Comments

Pine Material

Inlets 1 to 2 is a drop

Plan View



Formed

Manhole ID: MH853 Vernon, Connecticut

9/15/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 2:39:00 PM Street: Michael Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> Yes Debris:

Frame:

If Debris, Comments: None Grade Ring:

2% sediment in channel **Brick** Good **None** Chimney:

> **Precast Concrete Staining** Cone: Good

Cast Iron

Good

None

Grease Visible: No **Precast Concrete** Good **None** Walls: Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 4

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pipe Material

Diameter (inches)

Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments No flow. Starter

Plan View

Manhole ID: MH854 Vernon, Connecticut

Inspection Date: 9/15/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 2:30:00 PM Street: Michael Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Brick

Good

None

None

Formed

Plan View

Outlet

Cast Iron Good Frame:

If Debris, Comments: None Grade Ring:

Chimney: **Precast Concrete** Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good

Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12

Clock Position

8 Diameter (inches)

VC Pine Material

Sound Pipe Seal Condition

Outlets Outlet 1

No flow in channel.

Clock Position 8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition Comments

SDE, Inc. Inspector: Jonathan Sano

Manhole ID: MH857 **Vernon, Connecticut**

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Lynn Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> Yes Debris:

Frame:

If Debris, Comments: None Grade Ring:

10% debris in channel **None** Good **None** Chimney:

> **Precast Concrete** Cone: Good **None**

Good

None

Cast Iron

Grease Visible: No **Precast Concrete** Good Staining Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26

Cover Type: Solid with Pickholes Steps: Cover Hole Diameter (in): 1

2 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

Pipe Material

Diameter (inches)

Pipe Seal Condition

Outlets Outlet 1

6 **Clock Position**

8 Diameter (inches)

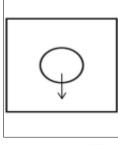
VC Pipe Material

Sound Pipe Seal Condition

Comments

No flow. Starter

Plan View



Manhole ID: MH859 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Jan Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Present: Yes Drop Location: External Pre-Cleaning: None Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls:

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 3

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 12 **Clock Position**

VC

8 Diameter (inches)

Sound Sound Pipe Seal Condition

VC

Outlets Outlet 1

6

Clock Position 8

Diameter (inches)

VC Pipe Material

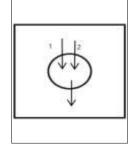
Sound Pipe Seal Condition

Comments

Pipe Material

Inlets 1 to 2 are a drop

Plan View



Outlet

Formed

Manhole ID: MH860 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Jan Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) Yes Debris:

Cast Iron

Good

Inlet 5

None

Frame: If Debris, Comments: None Grade Ring:

5% sediment in channel **Brick** Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes: Present: Yes

At Grade

Inlet 3

Inlet 4

Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data **Formed** Channel Type: Channel Exposure:

Inlets

Clock Position

Pine Material

Diameter (inches)

Inlet 2

Pipe Seal Condition

Inlet 1

Outlets

Outlet 1

Clock Position

8 Diameter (inches)

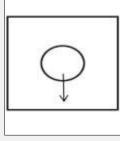
VC Pipe Material

Sound Pipe Seal Condition

Comments

No flow. Starter.

Plan View



Formed

Manhole ID: MH861 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Scott Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Present: Yes Drop Location: External Pre-Cleaning: None Drop Material: VC

Drop Condition: VC **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

null **Brick** Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls: Roots Evident: No

Brick Good **None** Bench: **Brick** Surcharge Evidence: None Good None Channel:

None Pipe Connection:

Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 24 Vented Steps: Cover Type:

Cover Hole Diameter (in): 1 3 Quantity of Cover Holes:

Present: Yes

VC

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 3 3 **Clock Position**

VC

8 8 8 Diameter (inches)

VC

Sound Sound Sound Pipe Seal Condition

> **Outlets** Outlet 1

6 **Clock Position**

8 Diameter (inches)

VC Pipe Material

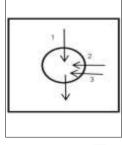
Sound Pipe Seal Condition

Comments

Pipe Material

Inlet 2 to 3 is a drop

Plan View



Outlet

Formed

Manhole ID: MH873 Vernon, Connecticut

Inspection Date: 9/21/2020 4:00:00 PM Sewer Shed: V19

Inspection Time: 1:21:00 PM Street: Risley Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Drop Location: Internal Pre-Cleaning: None Drop Present: Yes Drop Material: pvc

Asphalt Drop Condition: pvc Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Frame:

If Debris, Comments: None Grade Ring:

> **Brick** Good None Chimney:

Cast Iron

Precast Concrete Cone: Good **None**

Good

None

Outlet

Grease Visible: No **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 32 Vented

Steps: Cover Type: Cover Hole Diameter (in): 2

14 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 4 Inlet 1 Inlet 2 Inlet 5 11 **Clock Position** 3

8 12 8 Diameter (inches) VC **PVC** VC VC **PVC**

Plan View Pine Material

Sound Sound Sound Sound Pipe Seal Condition

Outlets Outlet 1

Inlet 1 to 2 and 4 to 5 are a drop

Clock Position

8 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Inspector: Jonathan Sano SDE, Inc.

Manhole ID: MH939 Vernon, Connecticut

9/22/2020 4:00:00 PM Sewer Shed: V27 Inspection Date:

Inspection Time: 8:24:00 AM Street: Kelly Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good Frame: If Debris, Comments:

Grade Ring: None

Concrete Block Good **None** Chimney: **Concrete Block** Cone: Good **None**

Grease Visible: No **Precast Concrete** Good Staining Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 32 Vented

Steps: Cover Type: Cover Hole Diameter (in): 2 <u>14</u>

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5 10 2

Clock Position

6 12 Diameter (inches)

VC VC Pipe Material

6

Sound Sound Pipe Seal Condition

> **Outlets** Outlet 1

Clock Position

18 Diameter (inches)

VC Pipe Material

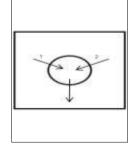
Sound Pipe Seal Condition

Comments

Potential Infiltration from bench at 7 o'clock.

Plan View

None



Formed

Manhole ID: MH940 Vernon, Connecticut

Sewer Shed: V27 Inspection Date: 9/22/2020 4:00:00 PM

Inspection Time: 12:06:00 PM Street: Kelly Rd Easement

Location: **Easement** Manhole Size (in): 48

Surface Type: **Dirt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A Dirt Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

> **None** Chimney:

Precast Concrete Cone: **Fair None** Grease Visible: No

Precast Concree None Fair Walls: Roots Evident: Yes

Unknown Poor 1 Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Cover: Cover Diameter (in): 32

Bolted Steps: Cover Type:

Cover Hole Diameter (in): 0.5 6 Quantity of Cover Holes: Present: Yes

Above Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pine Material

Formed Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

Clock Position

VC

18 Diameter (inches)

Sound Pipe Seal Condition

Outlets

Outlet 1

6 **Clock Position**

18 Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

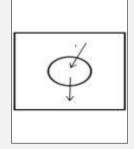
Comments

Roots all around top of cone

Plan View

None

Good



Outlet

Manhole ID: SDE 02 Vernon, Connecticut

Inspection Date: 9/22/2020 4:00:00 PM Sewer Shed: V27

Inspection Time: 9:19:00 AM Street: Kelly Rd

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Cast Iron

Good

None

Formed

Plan View

Outlet

Frame: If Debris, Comments: None Grade Ring:

Brick Good Staining Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: No **Precast Concrete** Good **None** Walls. Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 32 Vented

Steps: Cover Type: Cover Hole Diameter (in): 2 3

Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure: **Inlets**

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

11 **Clock Position** 12

8 18 Diameter (inches)

VC

VC Sound Sound

Pipe Seal Condition

Outlets Outlet 1

Pine Material

6 **Clock Position**

18 Diameter (inches) VC

Pipe Material Sound

Pipe Seal Condition Comments

Inlet at 11 o'clock is clogging.

SDE, Inc. Inspector: Jonathan Sano



Inspection Date: Inspected By: Project: Owner:	Day M	Se St	lanhole ID: ewershed Area: treet: ity:		Pre-Cleaning: Heavy Light None
Weather: MH DETAILS	Dry - Ni	o Rain	Light Rain	Dry - Wet Ground	Heavy Rain
IVIH DETAILS		tion.	Cunta an Tuma.	Inflam Datantial	Hear
Paratura.	<u>Loca</u>	Field	Surface Type:	Inflow Potential:	Use: Combined
Roadway Sidewalk	\dashv	Ditch	Asphalt Concrete	None Sheeting	Force Main
Parking Lot	- w	ooded	Grass/Dirt	Ponding	Sanitary
Alley		Gravel	Gravel	Inundated	Stormwater
Easement		Creek	Other (see NOTES)	Unknown	Unknown
Yard	Other (see	NOTES)	<u> </u>		Other (see NOTES)
					•
MH COVER					
<u>Cover Type:</u>	Cove		<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted	4	Good	Cracked	24"	
Gasketed Solid (w/ pickholes)	Ove	ersized	Corroded Serviceable	30" Other (see NOTES)	
Vented	Linda	Loose	Broken	Other (see Notes)	
Inner	_	Aissing	BIOKEII		
Other (see NOTES)	∃				
				_	
MH FRAME & RING				MH RUNGS	
MH FRAME & RING Frame Condition:	Ring 1	ype:	Ring Condition:	MH RUNGS <u>Rung Material:</u>	Rung Condition:
	_	ype:	Ring Condition: Serviceable	Rung Material: Brick	Serviceable
Frame Condition: Cracked or Broken Corroded	_	None None	Serviceable Broken	Rung Material: Brick Metal	Serviceable Unsafe
Frame Condition: Cracked or Broken Corroded Serviceable	_	ıstable	Serviceable Broken Corroded	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned	Chimney Condi	None Solid Solid	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE	Chimney Condi	None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material:	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES)	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present:	Chimney Condi	tion: Ceable Mortar Broken Roots Peaking Mortar	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material:	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC Steel	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken Unknown	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots

MH BARREL		
Barrel Material:	<u>Barrel Diameter:</u>	Barrel Condition:
Brick	48"	Serviceable
Precast	60"	Broken
Cast in Place	Other (see NOTES)	Corroded
Other (see NOTES)		Staining
_	_	Roots
		Other (see NOTES)

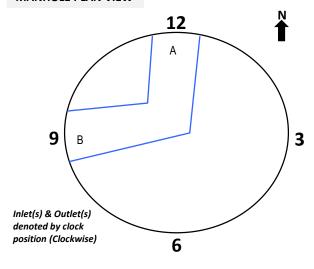
MH BENCH	
Bench Material:	Bench Condition:
Brick	Serviceable
Precast	Damaged
Cast in Place	Dirty
Clay Tile	Corroded
Other (see NOTES)	Bad Base Joint
•	<u> </u>

MH CHANNEL				
Channel Material:	Channel Type:	Channel Exposure:	Channel Condition:	
Brick	Formed	Closed	Serviceable	
Precast	Insert	Fully Open	Obstructed	
PVC	None	Partially Open	Roots	
Cast in Place	Pipe		Silt/Debris	
VC	Precast		Bad Joints	
Other (see NOTES)	Other (see NOTES)		Damaged	

MH HYDRAULICS				
Evidence of Surcharge:	<u>Issues:</u>	<u>Issue Location:</u>	Flow Conditions:	Clarity of Flow:
None	Grease	Cone	Steady	Turbid
Minor	Debris	Barrel	Pulsing	Clear
Yes, Needs Followup	Silt	Rungs	Turbulent	
_	Infiltration	Bench	Surcharging	
	Other (see NOTES)		Sluggish	

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

MANHOLE PLAN VIEW



NOTES:

NEEDS ATTENTION, COVER DOESN'T FIT PROPERLY









Inspection Date: Inspected By: Project: Owner:	Day M	Se St	lanhole ID: ewershed Area: treet: ity:		Pre-Cleaning: Heavy Light None
Weather: MH DETAILS	Dry - Ni	o Rain	Light Rain	Dry - Wet Ground	Heavy Rain
IVIH DETAILS		tion.	Cunta an Tuma.	Inflam Datantial	Hear
Paratura.	<u>Loca</u>	Field	Surface Type:	Inflow Potential:	Use: Combined
Roadway Sidewalk	\dashv	Ditch	Asphalt Concrete	None Sheeting	Force Main
Parking Lot	- w	ooded	Grass/Dirt	Ponding	Sanitary
Alley		Gravel	Gravel	Inundated	Stormwater
Easement		Creek	Other (see NOTES)	Unknown	Unknown
Yard	Other (see	NOTES)	<u> </u>		Other (see NOTES)
					•
MH COVER					
<u>Cover Type:</u>	Cove		<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted	4	Good	Cracked	24"	
Gasketed Solid (w/ pickholes)	Ove	ersized	Corroded Serviceable	30" Other (see NOTES)	
Vented	Linda	Loose	Broken	Other (see Notes)	
Inner	_	Aissing	BIOKEII		
Other (see NOTES)	∃				
				_	
MH FRAME & RING				MH RUNGS	
MH FRAME & RING Frame Condition:	Ring 1	ype:	Ring Condition:	MH RUNGS <u>Rung Material:</u>	Rung Condition:
	_	ype:	Ring Condition: Serviceable	Rung Material: Brick	Serviceable
Frame Condition: Cracked or Broken Corroded	_	None None	Serviceable Broken	Rung Material: Brick Metal	Serviceable Unsafe
Frame Condition: Cracked or Broken Corroded Serviceable	_	ıstable	Serviceable Broken Corroded	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned	Chimney Condi	None Solid Solid	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE	Chimney Condi	None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material:	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES)	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present:	Chimney Condi	tion: Ceable Mortar Broken Roots Peaking Mortar	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material:	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC Steel	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken Unknown	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots

MH BARREL		
Barrel Material:	Barrel Diameter:	Barrel Condition:
Brick	48"	Serviceable
Precast	60"	Broken
Cast in Place	Other (see NOTES)	Corroded
Other (see NOTES)		Staining
_	_	Roots
		Other (see NOTES)

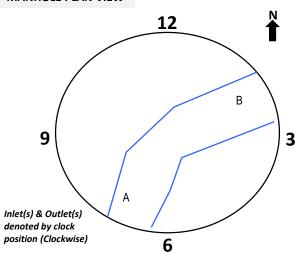
MH BENCH		
Bench Material:	Bench Condition:	
Brick	k Serviceable	
Precast	t Damaged	
Cast in Place	Dirty	
Clay Tile	Corroded	
Other (see NOTES)	Bad Base Joint	

MH CHANNEL				
Channel Material:	Channel Type:	Channel Exposure:	Channel Condition:	
Brick	Formed	Closed	Serviceable	
Precast	Insert	Fully Open	Obstructed	
PVC	None	Partially Open	Roots	
Cast in Place	Pipe		Silt/Debris	
VC	Precast		Bad Joints	
Other (see NOTES)	Other (see NOTES)		Damaged	

MH HYDRAULICS				
Evidence of Surcharge:	<u>Issues:</u>	<u>Issue Location:</u>	Flow Conditions:	Clarity of Flow:
None	Grease	Cone	Steady	Turbid
Minor	Debris	Barrel	Pulsing	Clear
Yes, Needs Followup	Silt	Rungs	Turbulent	
_	Infiltration	Bench	Surcharging	
	Other (see NOTES)		Sluggish	

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

MANHOLE PLAN VIEW









Manhole ID: MH1327 Vernon, Connecticut

Sewer Shed: V19 Inspection Date: 9/14/2020

Inspection Time: Street: Hemlock Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: Inspected

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition Inflow/Infiltration (GPM) No Debris:

Frame:

Cast Iron

Good

None

If Debris, Comments: None Grade Ring:

null **Brick** Good None Chimney:

Precast Concrete Cone: Good **None**

Grease Visible: **Precast Concrete** Good **Staining** Walls.

Roots Evident: No **Brick** Good **None** Bench:

Brick Surcharge Evidence: None Good None Channel:

None Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented Steps: Cover Type:

Cover Hole Diameter (in): 0.5 4 Quantity of Cover Holes: Present: Yes

At Grade Good Cover Elevation: Cover Fit:

Condition: Good

If Inflow, Drainage Area to Cover (SF): Pipe Data

Formed Channel Type: Channel Exposure:

Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

8 Diameter (inches)

VC

Sound Pipe Seal Condition

> **Outlets** Outlet 1

8

Pine Material

Clock Position

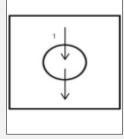
Diameter (inches)

VC Pipe Material

Sound Pipe Seal Condition

Comments

Plan View



Formed

Outlet

Manhole ID: MH451 Vernon, Connecticut

9/16/2020 4:00:00 PM Sewer Shed: V19 Inspection Date:

Inspection Time: 8:34:00 AM Street: Russell Dr

Location: Roadway Manhole Size (in): 48

Surface Type: **Asphalt** Inspection Status: **Inspected**

Manhole Use: Sanitary Dry - No Rain Weather:

Manhole Observations

Pre-Cleaning: None Drop Present: No Drop Location: N/A Drop Material: N/A

Drop Condition: N/A **Asphalt** Location:

Material Condition <u>Inflow/Infiltration (GPM)</u> No Debris:

Cast Iron Good None Frame:

If Debris, Comments: None Grade Ring:

Brick Good **None** Chimney:

Precast Concrete Staining Cone: Good

Grease Visible: No **Precast Concrete Staining** Good Walls: Roots Evident: No

Brick Good **None** Bench: **Brick** Good None

Surcharge Evidence: None Channel: **None**

Pipe Connection: Steady Flow Conditions:

Cast Iron Sheet Flow Cover: Good Cover Diameter (in): 26 Vented

Steps: Cover Type: Cover Hole Diameter (in): 1 2 Quantity of Cover Holes:

Present: Yes **Below Grade**

Good Cover Elevation: Cover Fit: Condition: Good

If Inflow, Drainage Area to Cover (SF):

Pipe Data

Pipe Material

Formed Formed Channel Type: Channel Exposure: Inlets

Inlet 3 Inlet 1 Inlet 2 Inlet 4 Inlet 5

12 **Clock Position**

VC

6

8 Diameter (inches)

Sound

Pipe Seal Condition

Outlets

Outlet 1

8 Diameter (inches)

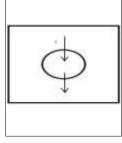
VC Pipe Material

Sound Pipe Seal Condition

Comments

Clock Position

Plan View



Outlet



Inspection Date: Inspected By: Project: Owner:	Day M	Se St	lanhole ID: ewershed Area: treet: ity:		Pre-Cleaning: Heavy Light None
Weather: MH DETAILS	Dry - Ni	o Rain	Light Rain	Dry - Wet Ground	Heavy Rain
IVIH DETAILS		tion.	Cunta an Tuma.	Inflam Datantial	Hear
Paratura.	<u>Loca</u>	Field	Surface Type:	Inflow Potential:	Use: Combined
Roadway Sidewalk	\dashv	Ditch	Asphalt Concrete	None Sheeting	Force Main
Parking Lot	- w	ooded	Grass/Dirt	Ponding	Sanitary
Alley		Gravel	Gravel	Inundated	Stormwater
Easement		Creek	Other (see NOTES)	Unknown	Unknown
Yard	Other (see	NOTES)	<u> </u>		Other (see NOTES)
					•
MH COVER					
<u>Cover Type:</u>	Cove		<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted	4	Good	Cracked	24"	
Gasketed Solid (w/ pickholes)	Ove	ersized	Corroded Serviceable	30" Other (see NOTES)	
Vented	Linda	Loose	Broken	Other (see Notes)	
Inner	_	Aissing	BIOKEII		
Other (see NOTES)	∃				
				_	
MH FRAME & RING				MH RUNGS	
MH FRAME & RING Frame Condition:	Ring 1	ype:	Ring Condition:	MH RUNGS <u>Rung Material:</u>	Rung Condition:
	_	ype:	Ring Condition: Serviceable	Rung Material: Brick	Serviceable
Frame Condition: Cracked or Broken Corroded	_	None None	Serviceable Broken	Rung Material: Brick Metal	Serviceable Unsafe
Frame Condition: Cracked or Broken Corroded Serviceable	_	ıstable	Serviceable Broken Corroded	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned	Chimney Condi	None Solid Solid	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE	Chimney Condi	None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material:	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES)	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present:	Chimney Condi	tion: Ceable Mortar Broken Roots Peaking Mortar	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material:	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC Steel	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken Unknown	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots

MH BARREL	_	
Barrel Material:	Barrel Diameter:	Barrel Condition:
Brick	48"	Serviceable
Precast	60"	Broken
Cast in Place	Other (see NOTES)	Corroded
Other (see NOTES)	7	Staining
_	_	Roots
		Other (see NOTES)

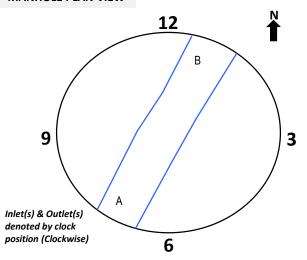
MH BENCH	
Bench Material:	Bench Condition:
Brick	Serviceable
Precast	Damaged
Cast in Place	Dirty
Clay Tile	Corroded
Other (see NOTES)	Bad Base Joint

MH CHANNEL					
Channel Material:		Channel Type:	Channel Exposure:	Channel Condition:	
Brick		Formed	Closed	Serviceable	
Precast	:[Insert	Fully Open	Obstructed	
PVC	:[_	None	Partially Open	Roots	
Cast in Place	2	Pipe		Silt/Debris	
VC		Precast		Bad Joints	
Other (see NOTES))	Other (see NOTES)		Damaged	

MH HYDRAULICS				
Evidence of Surcharge:	<u>Issues:</u>	<u>Issue Location:</u>	Flow Conditions:	Clarity of Flow:
None	Grease	Cone	Steady	Turbid
Minor	Debris	Barrel	Pulsing	Clear
Yes, Needs Followup	Silt	Rungs	Turbulent	
_	Infiltration	Bench	Surcharging	
	Other (see NOTES)		Sluggish	

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

MANHOLE PLAN VIEW











Inspection Date: Inspected By: Project: Owner:	Day M	Se St	lanhole ID: ewershed Area: treet: ity:		Pre-Cleaning: Heavy Light None
Weather: MH DETAILS	Dry - Ni	o Rain	Light Rain	Dry - Wet Ground	Heavy Rain
IVIH DETAILS		tion.	Cunta an Tuma.	Inflam Datantial	Hear
Paratura.	<u>Loca</u>	Field	Surface Type:	Inflow Potential:	Use: Combined
Roadway Sidewalk	\dashv	Ditch	Asphalt Concrete	None Sheeting	Force Main
Parking Lot	- w	ooded	Grass/Dirt	Ponding	Sanitary
Alley		Gravel	Gravel	Inundated	Stormwater
Easement		Creek	Other (see NOTES)	Unknown	Unknown
Yard	Other (see	NOTES)	<u> </u>		Other (see NOTES)
					•
MH COVER					
<u>Cover Type:</u>	Cove		<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted	4	Good	Cracked	24"	
Gasketed Solid (w/ pickholes)	Ove	ersized	Corroded Serviceable	30" Other (see NOTES)	
Vented	Linda	Loose	Broken	Other (see Notes)	
Inner	_	Aissing	BIOKEII		
Other (see NOTES)	∃				
				_	
MH FRAME & RING				MH RUNGS	
MH FRAME & RING Frame Condition:	Ring 1	ype:	Ring Condition:	MH RUNGS <u>Rung Material:</u>	Rung Condition:
	_	ype:	Ring Condition: Serviceable	Rung Material: Brick	Serviceable
Frame Condition: Cracked or Broken Corroded	_	None None	Serviceable Broken	Rung Material: Brick Metal	Serviceable Unsafe
Frame Condition: Cracked or Broken Corroded Serviceable	_	ıstable	Serviceable Broken Corroded	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade	_	None None	Serviceable Broken Corroded Cracked	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking	_	None None	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned	Chimney Condi	None Solid Solid	Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE	Chimney Condi	None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material:	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material:	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	stable None Solid	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES)	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)	Chimney Condi	tion: ceable Wortar Roots eaking	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present:	Chimney Condi	tion: Ceable Mortar Broken Roots Peaking Mortar	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material:	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC Steel	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken Unknown	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No	Chimney Condi	tion: ceable Mortar Broken Roots eaking tion:	Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition: Serviceable Broken	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots

MH BARREL		
Barrel Material:	Barrel Diameter:	Barrel Condition:
Brick	48"	Serviceable
Precast	60"	Broken
Cast in Place	Other (see NOTES)	Corroded
Other (see NOTES)		Staining
	-	Roots
		Other (see NOTES)

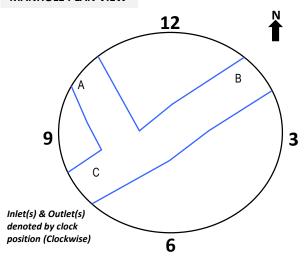
MH BENCH	
Bench Material:	Bench Condition:
Brick	Serviceable
Precast	Damaged
Cast in Place	Dirty
Clay Tile	Corroded
Other (see NOTES)	Bad Base Joint
	_

MH CHANNEL					
Channel Material	_	Channel Type:	Channel Exposure:	Channel Condition:	
Bric	k	Formed	Closed	Serviceable	
Precas	t	Insert	Fully Open	Obstructed	
PV	С	None	Partially Open	Roots	
Cast in Plac	е	Pipe		 Silt/Debris	
V	С	Precast		Bad Joints	
Other (see NOTE	5)	Other (see NOTES)		Damaged	

MH HYDRAULICS				
Evidence of Surcharge:	<u>Issues:</u>	<u>Issue Location:</u>	Flow Conditions:	Clarity of Flow:
None	Grease	Cone	Steady	Turbid
Minor	Debris	Barrel	Pulsing	Clear
Yes, Needs Followup	Silt	Rungs	Turbulent	
_	Infiltration	Bench	Surcharging	
	Other (see NOTES)		Sluggish	

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

MANHOLE PLAN VIEW











Inspection Date: Inspected By: Project: Owner:	-	Sav. Na Paia		Manhole ID: Sewershed Area: Street: City:	5. Wet Count	Pre-Cleaning: Heavy Light None
Weather: MH DETAILS		Dry - No Rain		Light Rain	Dry - Wet Ground	Heavy Rain
IVIH DETAILS		Location		Curface Tunes	Inflow Dotontials	Hear
Roadway		<u>Location:</u> Field	_	Surface Type:	Inflow Potential: None	<u>Use:</u> Combined
Sidewalk		Ditch		Asphalt Concrete	Sheeting	Force Main
Parking Lot		Wooded		Grass/Dirt	Ponding	Sanitary
Alley		Gravel		Gravel	Inundated	Stormwater
Easement		Creek		Other (see NOTES)	Unknown	Unknown
Yard		Other (see NOTES)				Other (see NOTES)
MH COVER						
<u>Cover Type:</u>		<u>Cover Fit:</u>		Cover Condition:	<u>Cover Size:</u>	
Bolted		Good		Cracked	24"	
Gasketed		Oversized		Corroded	Other (v. Norrs)	
Solid (w/ pickholes)		Loose	_	Serviceable Broken	Other (see NOTES)	
Vented Inner		Undersized Missing	_	broken		
Other (see NOTES)		Wilsonia				
					_	
MH FRAME & RING					MH RUNGS	
MH FRAME & RING Frame Condition:		<u>Ring Type:</u>		Ring Condition:	MH RUNGS <u>Rung Material:</u>	Rung Condition:
		<i>Ring Type:</i> Adjustable		Ring Condition: Serviceable	Rung Material:	Serviceable
<u>Frame Condition:</u> Cracked or Broken Corroded		Adjustable None		Serviceable Broken	Rung Material: Brick Metal	Serviceable Unsafe
Frame Condition: Cracked or Broken Corroded Serviceable		Adjustable		Serviceable Broken Corroded	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade		Adjustable None		Serviceable Broken Corroded Cracked	Rung Material: Brick Metal	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking		Adjustable None		Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.)
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade		Adjustable None		Serviceable Broken Corroded Cracked	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned		Adjustable None		Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking		Adjustable None		Serviceable Broken Corroded Cracked Leaking	Rung Material: Brick Metal Plastic	Serviceable Unsafe Missing (No.) Corroded
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE		Adjustable None Solid		Serviceable Broken Corroded Cracked Leaking Poor Installation	Rung Material: Brick Metal Plastic Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material:		Adjustable None Solid		Serviceable Broken Corroded Cracked Leaking Poor Installation	Rung Material: Brick Metal Plastic Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place		Adjustable None Solid Chimney Condition: Serviceable		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots Leaking		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES)	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present:		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots Leaking Drop Location:		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material:	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Drop Condition:	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES)		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots Leaking		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES)	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES)	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots Leaking Drop Location: Internal		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES) Drop Condition: Serviceable	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots Leaking Drop Location: Internal		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES) Drop Condition: Serviceable Broken	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots
Frame Condition: Cracked or Broken Corroded Serviceable Off Grade Leaking Misaligned MH CHIMNEY & CONE Chimney Material: Brick Precast Cast in Place Other (see NOTES) MH DROP CONNECTION Drop Present: No		Adjustable None Solid Chimney Condition: Serviceable Missing Mortar Broken Roots Leaking Drop Location: Internal		Serviceable Broken Corroded Cracked Leaking Poor Installation Cone Type: Conical Centric Connical Off Center Flat Top Other (see NOTES) Drop Material: PVC VC Steel	Rung Material: Brick Metal Plastic Other (see NOTES) Cone Material: Brick Precast Cast in Place Other (see NOTES) Other (see NOTES) Drop Condition: Serviceable Broken Unknown	Serviceable Unsafe Missing (No.) Corroded No Rungs Cone Condition: Serviceable Missing Mortar Broken Staining Roots

MH BARREL		
Barrel Material:	<u>Barrel Diameter:</u>	Barrel Condition:
Brick	48"	Serviceable
Precast	60"	Broken
Cast in Place	Other (see NOTES)	Corroded
Other (see NOTES)		Staining
•	_	Roots
		Other (see NOTES)

MH BENCH		
Bench Material:	Bench Condition:	
Brick	k Serviceable	
Precast	t Damaged	
Cast in Place	Dirty	
Clay Tile	Corroded	
Other (see NOTES)	Bad Base Joint	

MH CHANNEL			
Channel Material:	<u>Channel Type:</u>	Channel Exposure:	Channel Condition:
Brick	Formed	Closed	Serviceable
Precast	Insert	Fully Open	Obstructed
PVC	None	Partially Open	Roots
Cast in Place	Pipe		Silt/Debris
VC	Precast		Bad Joints
Other (see NOTES)	Other (see NOTES)		Damaged

MH HYDRAULICS				
Evidence of Surcharge:	<u>Issues:</u>	<u>Issue Location:</u>	Flow Conditions:	Clarity of Flow:
None	Grease	Cone	Steady	Turbid
Minor	Debris	Barrel	Pulsing	Clear
Yes, Needs Followup	Silt	Rungs	Turbulent	
_	Infiltration	Bench	Surcharging	
	Other (see NOTES)		Sluggish	

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

MANHOLE PLAN VIEW

