

**APPENDIX B**  
**Manhole Inspection Logs**

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1065**

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**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>Internal</b>	Drop Material:	<b>PVC</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>PVC</b>	Material		Condition	<b>Inflow/Infiltration (GPM)</b>
Debris:	<b>no</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
		Chimney:	<b>Brick</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>		<b>Brick</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>4</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

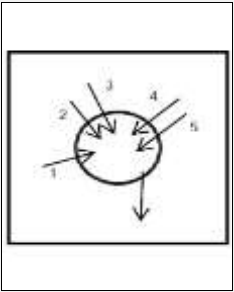
If Inflow, Drainage Area to Cover (SF):

**Pipe Data**

	Channel Type: <b>Formed</b>					Channel Exposure: <b>Formed</b>
<b>Inlets</b>						
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>	
Clock Position	<b>8</b>	<b>11</b>	<b>11</b>	<b>2</b>	<b>2</b>	
Diameter (inches)	<b>6</b>	<b>8</b>	<b>10</b>	<b>6</b>	<b>8</b>	
Pipe Material	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>	
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>		<b>Sound</b>	<b>Sound</b>	

<b>Outlets</b>	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>9.66</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

**Plan View**



Outlet

**Comments**

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

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1074**

Inspection Date: **8/26/2020 4:00:00 PM**

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

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

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

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		

Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Grease Visible: **None**

Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady**

Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

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

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**

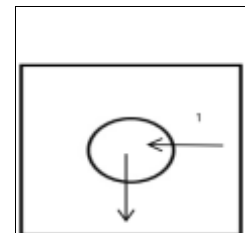
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>3</b>				
Diameter (inches)	<b>6</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>10.1</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Staining around cone.

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1080**

Inspection Date: **8/25/2020 4:00:00 PM**  
Inspection Time: **10:38:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Seneca Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **Internal** Drop Material: **PVC**  
Location: **Asphalt** Drop Condition: **PVC**  
Debris: **yes**  
*If Debris, Comments:*  
**5% sediment in channel**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **No Flo**  
Steps: **Present: Yes**  
Condition: **Good**  
Material: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Frame: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Grade Ring: **None**  
Chimney: **None**  
Cone: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Walls: **Good** Condition: **Precast Concrete** Inflow/Infiltration (GPM): **Staining**  
Bench: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Channel: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** Condition: **Good** Sheet Flow: **None**  
Cover Type: **Vented** Cover Diameter (in): **32**  
Quantity of Cover Holes: **5** Cover Hole Diameter (in): **1**  
Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

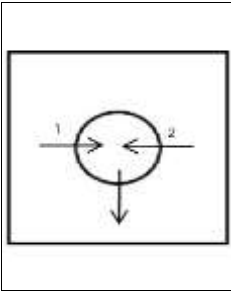
Channel Type: **Formed** Channel Exposure: **Formed**  
**Inlets**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5  
Clock Position **9** **9** **3**  
Diameter (inches) **6** **10.83** **4**  
Pipe Material **PVC** **PVC** **PVC**  
Pipe Seal Condition **Sound** **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **11.08**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

**inlet 1 to 2 is a drop**

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1109**

Inspection Date: **8/25/2020 4:00:00 PM**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

Material Condition Inflow/Infiltration (GPM)  
Frame: **Cast Iron** **Good** **None**

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

Steps:

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

Present: **No**

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

Condition:

Cover Elevation: **At Grade** Cover Fit: **Good**

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

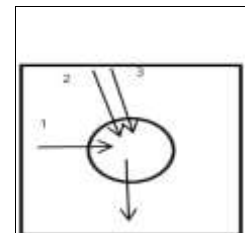
### Inlets

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	9	11	11		
Diameter (inches)	8	8	8		
Pipe Material	unknown	Cast Iron	PVC		
Pipe Seal Condition	Sound	Sound			

### Outlets

	Outlet 1
Clock Position	6
Diameter (inches)	13.25
Pipe Material	unknown
Pipe Seal Condition	Sound

### Plan View



Outlet



## Comments

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

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1111**

Inspection Date: **8/20/2020 4:00:00 PM**

Inspection Time: **9:22:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

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: **no**

*If Debris, Comments:*

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Solid</b>		Cover Diameter (in): <b>32</b>
Quantity of Cover Holes:	<b>3</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **Minor**

Flow Conditions: **Steady**

Steps:

Present: **No**

Condition:

Pipe Data

**Inlets**

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	<b>9</b>	<b>3</b>			
Diameter (inches)	<b>8</b>	<b>8</b>			
Pipe Material	<b>PVC</b>	<b>PVC</b>			
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>			

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

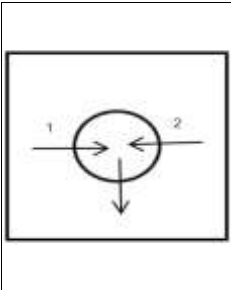
*If Inflow, Drainage Area to Cover (SF):*

Outlets

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>10.83</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1112**

Inspection Date: **8/25/2020 4:00:00 PM**

Inspection Time: **11:51:00 AM**

Location: **Easement**

Surface Type: **Grass**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Trout Stream Dr Easement**

Manhole Size (in): **48**

Inspection Status: **Inspected**

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: **no**

If Debris, Comments:

MaterialConditionInflow/Infiltration (GPM)

Frame: **Cast Iron****Good****Staining**

Grade Ring: **None**

Chimney: **Precast Concrete****Good****Staining**

Cone:

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

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

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

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

Pipe Data

Inlets

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

Inlet 1Inlet 2Inlet 3Inlet 4Inlet 5

Clock Position12

Diameter (inches)8

Pipe MaterialVC

Pipe Seal ConditionSound

Outlets

Outlet 1

Clock Position6

Diameter (inches)6.25

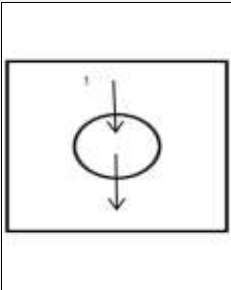
Pipe MaterialVC

Pipe Seal ConditionSound

Comments

Staining at joint of frame and chimney, 12 to 6 o'clock.

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1114**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		

Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>Staining</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Grease Visible: **None**

Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady**

Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
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Steps:

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

Present: **No**

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

Condition:

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

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

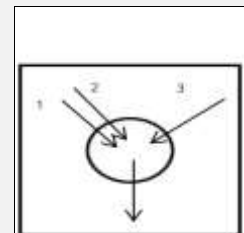
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>11</b>	<b>11</b>	<b>1</b>		
Diameter (inches)	<b>8</b>	<b>8</b>	<b>8</b>		
Pipe Material	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>		
Pipe Seal Condition	<b>Sound</b>		<b>Sound</b>		

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>16.1</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet

## Comments

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

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1116**

Inspection Date: **8/25/2020 4:00:00 PM**  
Inspection Time: **8:26:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Deerfield Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **no**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
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: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Solid** Cover Diameter (in): **32**  
Present: **No** Quantity of Cover Holes: **1** Cover Hole Diameter (in): **2**  
Condition: Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

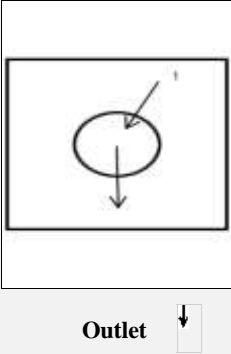
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **1**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **10.5**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

**Comments**  
**Some staining on wall.**

Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1118**

Inspection Date: **8/25/2020 4:00:00 PM**  
Inspection Time: **8:09:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Deerfield Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **yes**  
*If Debris, Comments:*  
**Concrete pieces on bench.**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady**  
Steps: **Present: No**  
Condition: **Quantity of Cover Holes: 4**  
Cover Elevation: **At Grade**  
Material: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Grade Ring: **None**  
Chimney: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Cone: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **Staining**  
Walls: **Good** Precast Concrete Condition: **None**  
Bench: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Channel: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Cover Type: **Solid** Cover Diameter (in): **32**  
Cover Hole Diameter (in): **2**  
Cover Fit: **Good**

Pipe Data

**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
**Inlet 1** **Inlet 2** **Inlet 3** **Inlet 4** **Inlet 5**

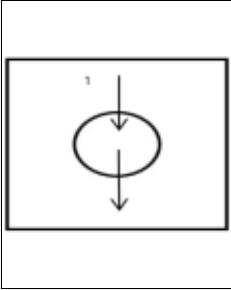
Clock Position: **12**  
Diameter (inches): **8**  
Pipe Material: **PVC**  
Pipe Seal Condition: **Sound**

**Outlets**  
**Outlet 1**  
Clock Position: **6**  
Diameter (inches): **8.85**  
Pipe Material: **PVC**  
Pipe Seal Condition: **Sound**

Comments

**Some staining around cone.**

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1178**

Inspection Date: **8/24/2020 4:00:00 PM**  
Inspection Time: **11:47:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Tumblebrook Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
10% debris in channel.		Chimney:	<b>Brick</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	Precast Concrete		Staining	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Sluggish</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>	Sheet Flow	
Steps:		Cover Type:	<b>Solid</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>No</b>	Quantity of Cover Holes:	<b>4</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:		Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Oversized</b>

Pipe Data

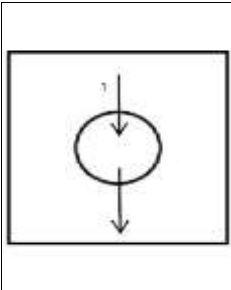
Inlets		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>

Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8.58</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1213**

Inspection Date: **8/20/2020 4:00:00 PM**  
Inspection Time: **8:03:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V5**  
Street: **School St**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **yes**  
*If Debris, Comments:*  
**30% sediment in channel. No sediment in Outlet**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **No Flo**  
Steps: **Present: Yes**  
Condition: **Good**  
Frame: **Cast Iron**  
Grade Ring: **None**  
Chimney: **None**  
Cone: **Brick**  
Walls: **Good**  
Bench: **Brick**  
Channel: **Brick**  
Pipe Connection: **None**  
Cover: **Cast Iron**  
Cover Type: **Vented**  
Quantity of Cover Holes: **2**  
Cover Elevation: **At Grade**  
Material: **Good**  
Condition: **Good**  
Inflow/Infiltration (GPM): **None**  
**Sheet Flow**  
Cover Diameter (in): **26**  
Cover Hole Diameter (in): **1**  
Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

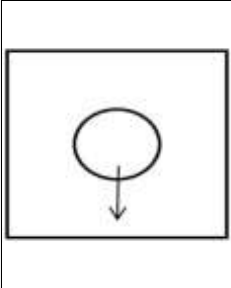
Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

**Outlets**  
Outlet 1  
Clock Position: **6**  
Diameter (inches): **8.96**  
Pipe Material: **VC**  
Pipe Seal Condition: **Sound**

Comments

**Starter. No flow**

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1280**

Inspection Date: **8/24/2020 4:00:00 PM**  
Inspection Time: **11:22:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Jonathan Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **no**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **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: **Sluggish** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **None**  
Steps: Cover Type: **Vented** Cover Diameter (in): **32**  
Present: **No** Quantity of Cover Holes: **1** Cover Hole Diameter (in): **1**  
Condition: Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

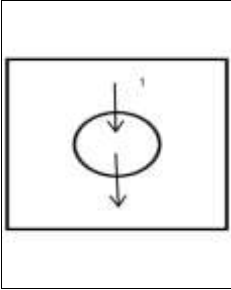
Clock Position **12**  
Diameter (inches) **8**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **7.9**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

Comments

Some staining at wall, 3 o'clock.

Plan View



Outlet ↓

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1364**

Inspection Date: **8/26/2020 4:00:00 PM**  
Inspection Time: **10:43:00 AM**  
Location: **Wooded**  
Surface Type: **Woods**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Rails to Trails**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **No** Drop Location: **N/A** Drop Material: **N/A**  
Location: **Woods** Drop Condition: **N/A**  
Debris: **no**  
*If Debris, Comments:*  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Steps: Cover Type: **Vented** Cover Diameter (in): **32**  
Present: **No** Quantity of Cover Holes: **16** Cover Hole Diameter (in): **1**  
Condition: Cover Elevation: **Above Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Lined</b>	<b>Staining</b>
Bench:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>

Pipe Data

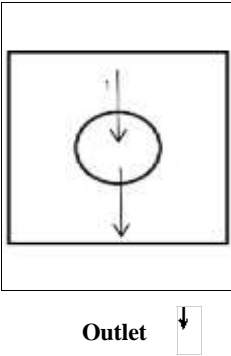
**Inlets**  
Channel Type: **insert** Channel Exposure: **insert**

	<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)	27				
Pipe Material	Lined				
Pipe Seal Condition	Sound				

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	5.58
Pipe Material	Lined
Pipe Seal Condition	Sound

Comments  
**Bolt on frame.**

Plan View



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1442**

Inspection Date: **8/26/2020 4:00:00 PM**

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

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

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

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		

Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Grease Visible: **None**

Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady**

Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

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

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**

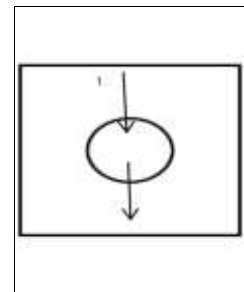
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>9.3</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet ↓

## Comments

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

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1443**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **yes**

If Debris, Comments:

**3% Sediment in channel**

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Pipe Data

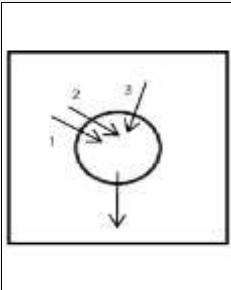
Inlets		Channel Type:		Channel Exposure:	
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	10	10	1		
Diameter (inches)	6	6	8		
Pipe Material	PVC	PVC	PVC		
Pipe Seal Condition	Sound		Sound		

Outlets	
	Outlet 1
Clock Position	6
Diameter (inches)	13.42
Pipe Material	PVC
Pipe Seal Condition	Sound

Comments

**Inlet 1 to 2 is a drop.**

Plan View



Outlet



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1444**

Inspection Date: **8/25/2020 4:00:00 PM**

Inspection Time: **9:36:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Marjorie Ln**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>no</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>Staining</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
		Chimney:	<b>Concrete Block</b>		<b>Good</b>		<b>Staining</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>			<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>3</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
Inlets			
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>
	<u>Inlet 4</u>	<u>Inlet 5</u>	

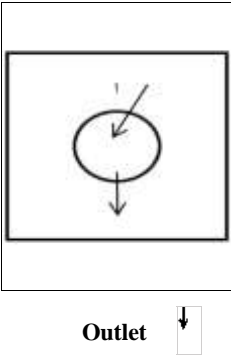
Clock Position	<b>1</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Staining**

Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1455**

Inspection Date: **8/24/2020 4:00:00 PM**  
Inspection Time: **2:30:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Tumblebrook Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - Wet Ground**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **No** Drop Location: **N/A** Drop Material: **N/A**  
Location: **Asphalt** Drop Condition: **N/A**  
Debris: **no**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good**  
Grade Ring: **None**  
Chimney: **Spray Concrete** **Good** **Staining**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Good** **Precast Concrete** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Cover Type: **Solid** Cover Diameter (in): **32**  
Present: **No** Quantity of Cover Holes: **2** Cover Hole Diameter (in): **1**  
Condition: Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

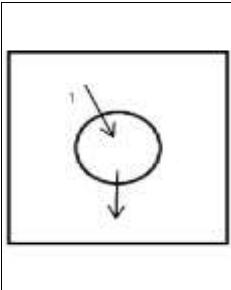
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **11**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **12.42**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

Plan View



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1456**

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:	<u>None</u>	Drop Present:	<u>No</u>	Drop Location:	<u>N/A</u>	Drop Material:	<u>N/A</u>
Location:	<u>Asphalt</u>	Drop Condition:	<u>N/A</u>		<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Debris:	<u>yes</u>			Frame:	<u>Cast Iron</u>	<u>Good</u>	<u>None</u>
<i>If Debris, Comments:</i>				Grade Ring:	<u>None</u>		
<u>2% Debris in channel</u>				Chimney:	<u>Brick</u>	<u>Good</u>	<u>Staining</u>
				Cone:	<u>Precast Concrete</u>	<u>Good</u>	<u>Staining</u>
Grease Visible:	<u>None</u>			Walls:	<u>Good</u>	<u>Precast Concrete</u>	<u>Staining</u>
Roots Evident:	<u>No</u>			Bench:	<u>Brick</u>	<u>Good</u>	<u>None</u>
Surcharge Evidence:	<u>None</u>			Channel:	<u>Brick</u>	<u>Good</u>	<u>None</u>
Flow Conditions:	<u>Pulsin</u>	Pipe Connection:					<u>None</u>
	<u>-</u>			Cover:	<u>Cast Iron</u>	<u>Good</u>	<u>Sheet Flow</u>
Steps:		Cover Type:			<u>Solid</u>	Cover Diameter (in):	<u>32</u>
Present:	<u>No</u>	Quantity of Cover Holes:			<u>1</u>	Cover Hole Diameter (in):	<u>1</u>
Condition:		Cover Elevation:			<u>At Grade</u>	Cover Fit:	<u>Good</u>

Pipe Data

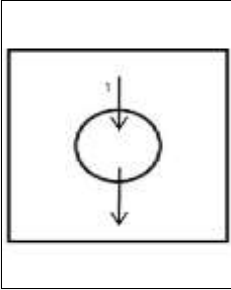
Inlets		Channel Type:		Channel Exposure:	
			<b>None</b>		<b>None</b>
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5

Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>12.42</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1457**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **2:01:00 PM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Light Rain**

Manhole Observations

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

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

Debris: **no**

If Debris, Comments:

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>concrete block</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Solid</b>		Cover Diameter (in): <b>32</b>
Quantity of Cover Holes:	<b>1</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **No**

Condition:

If Inflow, Drainage Area to Cover (SF):

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
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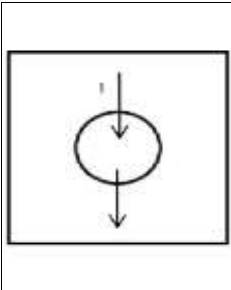
Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>10.83</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



## Vernon, Connecticut

Manhole ID: **MH1520**

**Sewer Shed: V5**

Street: **North Park St**

Manhole Size (in): **48**

Inspection Status: **Inspected**

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

<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
-----------------	------------------	----------------------------------

Frame: Cast Iron Good None

Grade Ring: None

Chimney: None

Cone:      **Brick**                  **Good**                  **None**

Walls:        **Good**                      **Brick**                      **Staining**

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

Channel: Brick Good NonePipe Connection: NoneCover Diameter (in): 24

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

Cover Elevation: At Grade                      Cover Fit: Good

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

### Pipe Data

Channel Type: Formed Channel Exposure: Formed

## Inlets

Inlet 1                      Inlet 2                      Inlet 3                      Inlet 4                      Inlet 5

12

8

VC

## Sound

## Outlets

### Outlet 1

6

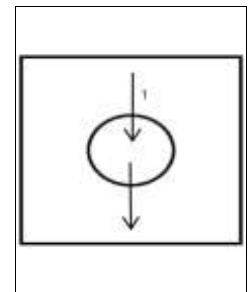
### 7.13

VC

## Sound

### Comments

### Plan View



**Outlet**

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1525**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

Chimney: **None**

Cone: **Brick** **Good** **Staining**

Grease Visible: **None** Walls: **Good** **Brick** **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: **Vented** Cover Diameter (in): **24**

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

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

If Inflow, Drainage Area to Cover (SF):

Channel Type: **None** Channel Exposure: **None**

Inlets

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **11** **2** **2**

Diameter (inches) **8** **8** **10**

Pipe Material **VC** **VC** **PVC**

Pipe Seal Condition **Sound**

Outlets

Outlet 1

Clock Position **6**

Diameter (inches) **13**

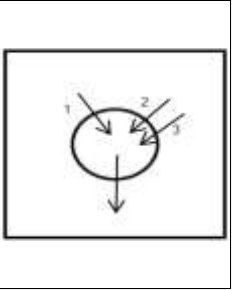
Pipe Material **VC**

Pipe Seal Condition **Sound**

Comments

**Inlet 2 & 3 are a drop connection**

Plan View



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1771**

Inspection Date: **8/26/2020 4:00:00 PM**

Inspection Time: **9:53:00 AM**

Location: **Wooded**

Surface Type: **Dirt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Rails to Trails**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Dirt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>no</b>			Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
				Chimney:	<b>Lined</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>None</b>			Walls:	<b>Good</b>	<b>Lined</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Concrete</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:				<b>None</b>	
		Cover:	<b>Cast Iron</b>		<b>Good</b>	<b>None</b>	
Steps:		Cover Type:	<b>Vented</b>	Cover Diameter (in):	<b>32</b>		
Present:	<b>No</b>	Quantity of Cover Holes:	<b>16</b>	Cover Hole Diameter (in):	<b>1</b>		
Condition:		Cover Elevation:	<b>Above Grade</b>	Cover Fit:	<b>Good</b>		

Pipe Data

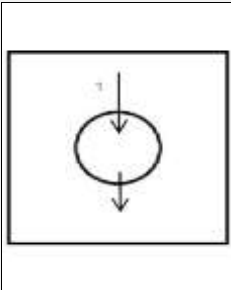
<b>Inlets</b>	Channel Type:	<b>insert</b>	Channel Exposure:	<b>insert</b>
	Inlet 1	Inlet 2	Inlet 3	Inlet 4
	Inlet 5			

Clock Position	<b>12</b>
Diameter (inches)	<b>27</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

<b>Outlets</b>	Outlet 1	
	Clock Position	<b>6</b>
	Diameter (inches)	<b>5.5</b>
	Pipe Material	<b>Lined</b>
	Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1866**

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:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>no</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
		Chimney:	<b>ink and Sprayed Conc</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>		<b>Staining</b>	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
Steps:		Cover Type:	<b>Solid</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>4</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

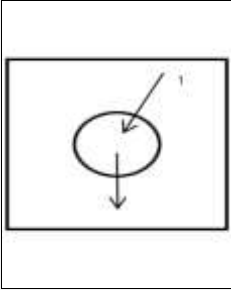
Inlets		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>

Clock Position	<b>1</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>6.85</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1867**

Inspection Date: **8/26/2020 4:00:00 PM**

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

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

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

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **Minor**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Quantity of Cover Holes: **1**

Cover Elevation:

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

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

Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>11</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

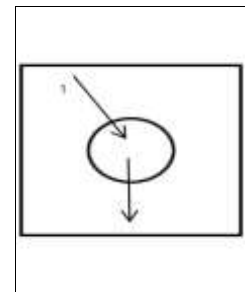
### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>6.55</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Channel Type: **Formed**

Channel Exposure: **Formed**

## Plan View



Outlet

## Comments

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

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1871**

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

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

Location: **Dirt** Drop Condition: **PVC**

Debris: **no**

*If Debris, Comments:*

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible: <b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>
Roots Evident: <b>No</b>	Bench:	<b>Lined</b>	<b>Good</b>
Surcharge Evidence: <b>None</b>	Channel:	<b>Lined</b>	<b>Good</b>
Flow Conditions: <b>turbul</b>	Pipe Connection:		<b>None</b>
	Cover:	<b>Cast Iron</b>	<b>Good</b>
Steps:	Cover Type:	<b>Vented</b>	<b>Sheet Flow</b>
Present: <b>No</b>	Quantity of Cover Holes:	<b>16</b>	Cover Diameter (in): <b>32</b>
Condition:	Cover Elevation:	<b>At Grade</b>	Cover Hole Diameter (in): <b>1</b>
			Cover Fit: <b>Good</b>

Pipe Data

**Inlets**

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	<b>9</b>	<b>12</b>	<b>12</b>	<b>3</b>	
Diameter (inches)	<b>8</b>	<b>27</b>	<b>27</b>	<b>8</b>	
Pipe Material	<b>PVC</b>	<b>Lined</b>	<b>Lined</b>	<b>PVC</b>	
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>

Channel Type: **insert** Channel Exposure: **insert**

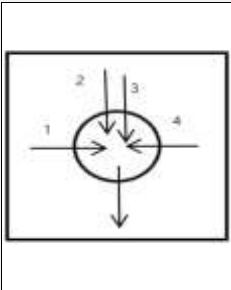
*If Inflow, Drainage Area to Cover (SF):*

Outlets

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>9.17</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1872**

Inspection Date: **8/25/2020 4:00:00 PM**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **Minor**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	9	9			
Diameter (inches)	8	8			
Pipe Material	PVC	PVC			
Pipe Seal Condition	Sound				

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8.35
Pipe Material	PVC
Pipe Seal Condition	Sound

## Comments

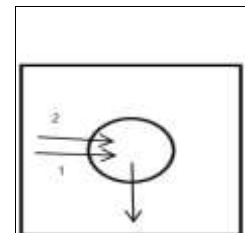
**Ragging on top of drop inlet 1 and steps.**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Cover Type:	<b>Vented</b>		
Quantity of Cover Holes:	<b>5</b>		
Cover Elevation:	<b>At Grade</b>		
Cover Diameter (in):	<b>32</b>		
Cover Hole Diameter (in):	<b>1</b>		
Cover Fit:		<b>Good</b>	

If Inflow, Drainage Area to Cover (SF):

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

## Plan View



Outlet



Inspector: **Matt Silverman**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1873**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection: **None**

Cover: **Cast Iron** **Good** **None**

Steps:

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

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**

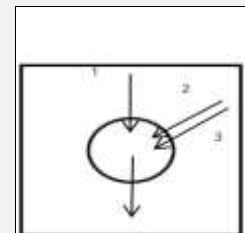
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>	<b>2</b>	<b>2</b>		
Diameter (inches)	<b>8</b>	<b>8</b>	<b>8</b>		
Pipe Material	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>		
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>			

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8.25</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet

## Comments

**Small crack at end of inlet 2 pipe.**

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1888**

Inspection Date: **8/24/2020 4:00:00 PM**

Sewer Shed: **V14**

Inspection Time: **12:15:00 PM**

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:	<u>None</u>	Drop Present:	<u>No</u>	Drop Location:	<u>N/A</u>	Drop Material:	<u>N/A</u>
Location:	<u>Asphalt</u>	Drop Condition:	<u>N/A</u>				
Debris:	<u>yes</u>						
If Debris, Comments:				Frame:	<u>Cast Iron</u>	<u>Good</u>	<u>None</u>
				Grade Ring:	<u>None</u>		
<u>Some pieces of Brick on bench.</u>				Chimney:	<u>Spray Concrete</u>	<u>Good</u>	<u>None</u>
				Cone:	<u>Precast Concrete</u>	<u>Good</u>	<u>None</u>
Grease Visible:	<u>None</u>			Walls:	<u>Good</u>	<u>Precast Concrete</u>	<u>Staining</u>
Roots Evident:	<u>No</u>			Bench:	<u>Brick</u>	<u>Good</u>	<u>None</u>
Surcharge Evidence:	<u>None</u>			Channel:	<u>Brick</u>	<u>Good</u>	<u>None</u>
Flow Conditions:	<u>No Flo</u>			Pipe Connection:			<u>None</u>
	...			Cover:	<u>Cast Iron</u>	<u>Good</u>	<u>None</u>
Steps:				Cover Type:	<u>Solid</u>	Cover Diameter (in):	<u>32</u>
Present:	<u>No</u>	Quantity of Cover Holes:	<u>2</u>	Cover Hole Diameter (in):	<u>2</u>		
Condition:		Cover Elevation:	<u>At Grade</u>	Cover Fit:	<u>Good</u>		

**Pipe Data**

<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>

Clock Position

Diameter (inches)

Pipe Material

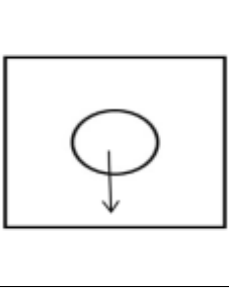
Pipe Seal Condition

<b>Outlets</b>	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>11.65</b>
Pipe Material	<b>unknown</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**Starter manhole.**

**Plan View**



Outlet



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1891**

Inspection Date: **8/25/2020 4:00:00 PM**

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**

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

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

Debris: **no**

If Debris, Comments:

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

Chimney: **Precast Concrete** **Good** **Staining**

Cone:

Grease Visible: **None**

Walls: **Good** **Precast Concrete** **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** **None**

Steps:

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

Present: **No**

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

Condition:

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## **Pipe Data**

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

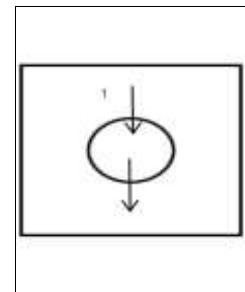
### **Inlets**

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b><u>12</u></b>				
Diameter (inches)	<b><u>8</u></b>				
Pipe Material	<b><u>VC</u></b>				
Pipe Seal Condition	<b><u>Sound</u></b>				

### **Outlets**

	<u>Outlet 1</u>
Clock Position	<b><u>6</u></b>
Diameter (inches)	<b><u>6</u></b>
Pipe Material	<b><u>VC</u></b>
Pipe Seal Condition	<b><u>Sound</u></b>

## **Plan View**



Outlet



## **Comments**

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

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

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**

	Material	Condition	Inflow/Infiltration (GPM)
Debris: <b>no</b>	Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:	Grade Ring: <b>None</b>		
	Chimney: <b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
	Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
	Walls: <b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Grease Visible: <b>None</b>	Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Roots Evident: <b>No</b>	Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence: <b>None</b>	Pipe Connection: <b>None</b>		
Flow Conditions: <b>Steady</b>	Cover: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Steps:	Cover Type: <b>Solid</b>	Cover Diameter (in): <b>32</b>	
	Quantity of Cover Holes: <b>1</b>	Cover Hole Diameter (in): <b>2</b>	
	Condition:	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
--	---------	---------	---------	---------	---------

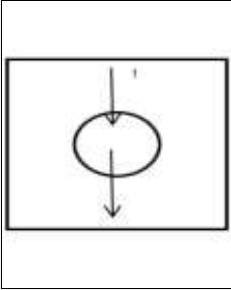
Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

**Outlets**

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>10.2</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1963**

Inspection Date: **8/18/2020 4:00:00 PM**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **No Flo**

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

	<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)	6				
Pipe Material	PVC				
Pipe Seal Condition	Sound				

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	12.25
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

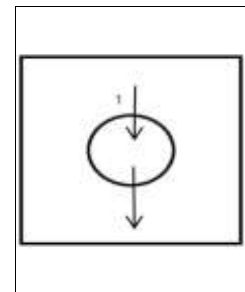
**Drop is detached from inlet.**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Brick</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Vented</b>		Cover Diameter (in): <b>24</b>
Quantity of Cover Holes:	<b>1</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

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

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2065**

Inspection Date: **8/24/2020 4:00:00 PM**

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: **N/A**

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

Debris: **no**

If Debris, Comments:

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Sluggish**

Steps:

Present: **No**

Condition:

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	9	1			
Diameter (inches)	8	6			
Pipe Material	PVC	PVC			
Pipe Seal Condition	Sound	Sound			

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8.3
Pipe Material	PVC
Pipe Seal Condition	Sound

## Comments

Staining on wall at 1 o'clock may be infiltration.

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Good** **Precast Concrete** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

Cover: **Cast Iron** **Good** **None**

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

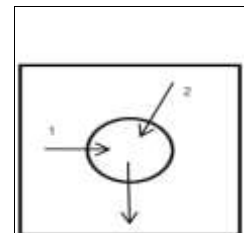
Quantity of Cover Holes: **2** Cover Hole Diameter (in): **2**

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

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

## Plan View



Outlet



Inspector: **Matt Silverman**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2067**

Inspection Date: **8/24/2020 4:00:00 PM**

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

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

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

Debris: **no**

If Debris, Comments:

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

Chimney: **Brick** **Fair** **Staining**

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: **Cast Iron** **Good** **None**

Steps:

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

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

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

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

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

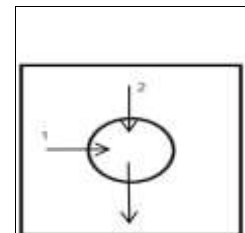
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	9	12			
Diameter (inches)	8	8			
Pipe Material	PVC	PVC			
Pipe Seal Condition	Sound	Sound			

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8.25
Pipe Material	PVC
Pipe Seal Condition	Sound

## Plan View



Outlet



## Comments

**Missing Bricks at 7 oclock in chimney.**

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2309**

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**

Location: **Asphalt**

Drop Condition: **N/A**

Material

Condition

Inflow/Infiltration (GPM)

Debris: **no**

Frame: **Cast Iron**

Good

None

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: **Cast Iron**

Good

None

Steps:

Cover Type: **Vented**

Cover Diameter (in): **32**

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

Inlets

Channel Type: **Formed**

Channel Exposure: **Formed**

Inlet 1

Inlet 2

Inlet 3

Inlet 4

Inlet 5

Clock Position

12

3

Diameter (inches)

8

6

Pipe Material

PVC

PVC

Pipe Seal Condition

Sound

Sound

Outlets

Outlet 1

Clock Position

6

Diameter (inches)

8.65

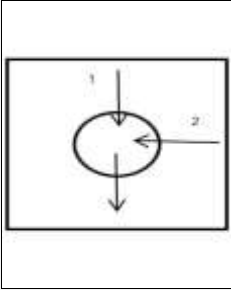
Pipe Material

PVC

Pipe Seal Condition

Sound

Plan View



Outlet



Comments

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2310**

Inspection Date: **8/26/2020 4:00:00 PM**

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: **N/A**

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

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		

Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Grease Visible: **None**

Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady**

Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
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Steps:

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

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**

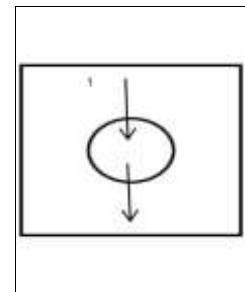
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>9.75</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2336**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **3:31:00 PM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

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)
Debris: <b>no</b>	Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:	Grade Ring: <b>None</b>		
	Chimney: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
	Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
	Walls: <b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Grease Visible: <b>None</b>	Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Roots Evident: <b>No</b>	Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence: <b>None</b>			
Flow Conditions: <b>Steady</b>	Pipe Connection: <b>None</b>		
	Cover: <b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:	Cover Type: <b>Solid</b>	Cover Diameter (in): <b>32</b>	
Present: <b>No</b>	Quantity of Cover Holes: <b>1</b>	Cover Hole Diameter (in): <b>1</b>	
Condition:	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>	

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
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Clock Position	11
Diameter (inches)	8
Pipe Material	PVC
Pipe Seal Condition	Sound

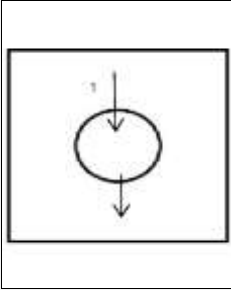
**Outlets**

	Outlet 1
Clock Position	6
Diameter (inches)	8
Pipe Material	PVC
Pipe Seal Condition	Sound

Comments

Stains on chimney and wall

Plan View



Outlet



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2337**

Inspection Date: **8/24/2020 4:00:00 PM**

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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **No**

Condition:

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12	12	3		
Diameter (inches)	8	8	8		
Pipe Material	PVC	PVC	PVC		
Pipe Seal Condition	Sound		Sound		

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	11.05
Pipe Material	PVC
Pipe Seal Condition	Sound

## Comments

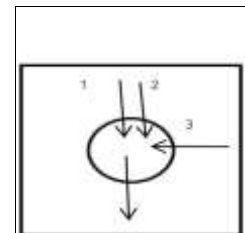
**Inlets 1 and 2 are drop inlets.**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Cover Type:	<b>Solid</b>		
Quantity of Cover Holes:	<b>4</b>		
Cover Elevation:	<b>At Grade</b>		
Cover Diameter (in):	<b>32</b>		
Cover Hole Diameter (in):	<b>2</b>		
Cover Fit:		<b>Oversized</b>	

If Inflow, Drainage Area to Cover (SF):

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

## Plan View



Outlet



Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2338**

Inspection Date: **8/24/2020 4:00:00 PM**  
Inspection Time: **3:19:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Deerfield Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **no**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Spray Concrete** **Good** **Staining**  
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: **Cast Iron** **Good** **None**  
Steps: Cover Type: **Solid** Cover Diameter (in): **32**  
Present: **No** Quantity of Cover Holes: **4** Cover Hole Diameter (in): **2**  
Condition: Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

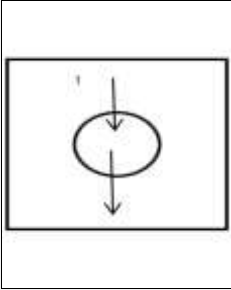
Clock Position **12**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **12.2**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

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

Plan View



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2399**

Inspection Date: **8/24/2020 4:00:00 PM**

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

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

Location: **Asphalt** Drop Condition: **PVC**

	Material	Condition	Inflow/Infiltration (GPM)
Debris: <b>no</b>			
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Solid</b>		Cover Diameter (in): <b>32</b>
Quantity of Cover Holes:	<b>2</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **No**

Condition:

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

Pipe Data

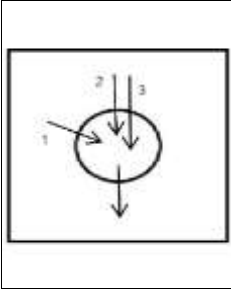
	Channel Type:	Channel Exposure:
<b>Inlets</b>	<b>Formed</b>	<b>Formed</b>
	<b>Inlet 1</b>	<b>Inlet 2</b>
Clock Position	<b>10</b>	<b>12</b>
Diameter (inches)	<b>8</b>	<b>8</b>
Pipe Material	<b>PVC</b>	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>10.83</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Inlet 2 to 3 is a drop**

Plan View



Outlet



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2400**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **11:36:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material	<b>Condition</b>	<b>Inflow/Infiltration (GPM)</b>	
Debris:	<b>no</b>	Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>		
If Debris, Comments:				Grade Ring:	<b>None</b>		
				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Brick</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>		
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>		
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>		
Flow Conditions:	<b>Steady</b>	Pipe Connection:		<b>None</b>			
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Solid</b>	Cover Diameter (in):	<b>32</b>		
Present:	<b>No</b>	Quantity of Cover Holes:	<b>4</b>	Cover Hole Diameter (in):	<b>1</b>		
Condition:		Cover Elevation:	<b>At Grade</b>	Cover Fit:	<b>Oversized</b>		

Pipe Data

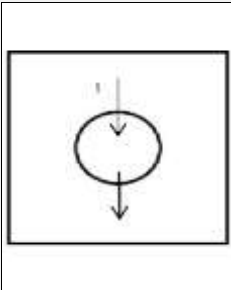
Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
If Inflow, Drainage Area to Cover (SF):			
Inlets	<b>Inlet 1</b>	<b>Inlet 2</b>	<b>Inlet 3</b>
	<b>Inlet 4</b>	<b>Inlet 5</b>	

Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	<b>Outlet 1</b>
Clock Position	<b>6</b>
Diameter (inches)	<b>10</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2633**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **12:07:00 PM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>Staining</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
5% sediment in channel		Chimney:	<b>Brick</b>		<b>Good</b>		<b>Staining</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>			<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Solid</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>No</b>	Quantity of Cover Holes:	<b>3</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:		Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
Inlets			
Inlet 1		Inlet 2	
Inlet 3		Inlet 4	
Inlet 5			

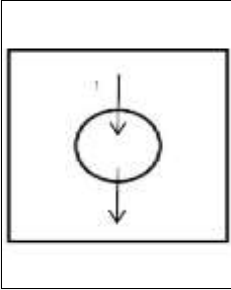
Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
Outlet 1	
Clock Position	<b>6</b>
Diameter (inches)	<b>10</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Heavy staining from frame to bench at 5 oclock.

Plan View



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2634**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **12:34:00 PM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>			Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>5% debris in channel</b>				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>None</b>			Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Sluggish</b>	Pipe Connection:					<b>None</b>
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Solid</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>No</b>	Quantity of Cover Holes:	<b>1</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:		Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

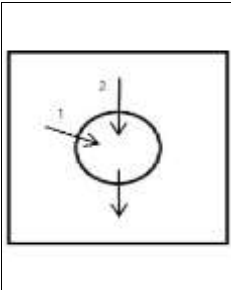
	Channel Type:		<b>Formed</b>	Channel Exposure:		<b>Formed</b>
<b>Inlets</b>	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>	
Clock Position	<b>10</b>	<b>12</b>				
Diameter (inches)	<b>8</b>	<b>8</b>				
Pipe Material	<b>PVC</b>	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>				

<b>Outlets</b>	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>10.17</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Staining on cone and walls**

Plan View



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2766**

Inspection Date: **8/25/2020 4:00:00 PM**

Sewer Shed: **V14**

Inspection Time: **2:52:00 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**

Location: **Asphalt** Drop Condition: **PVC**

Debris: **yes**

If Debris, Comments:

**10% debris in channel**

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **Minor**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Pipe Data

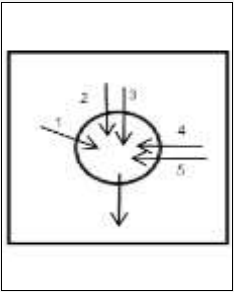
Inlets		Channel Type:		Channel Exposure:	
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	10	12	12	3	3
Diameter (inches)	6	8	10	8	10
Pipe Material	PVC	PVC	PVC	PVC	PVC
Pipe Seal Condition	Sound	Sound		Sound	Sound

Outlets	
	Outlet 1
Clock Position	6
Diameter (inches)	12.08
Pipe Material	PVC
Pipe Seal Condition	Sound

Comments

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

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2767**

Inspection Date: **8/25/2020 4:00:00 PM**  
Inspection Time: **1:13:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Seneca Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **Internal** Drop Material: **PVC**  
Location: **Asphalt** Drop Condition: **PVC**  
Debris: **yes**  
*If Debris, Comments:*  
**5% sediment in channel**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Cover Type: **Vented** Cover Diameter (in): **32**  
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

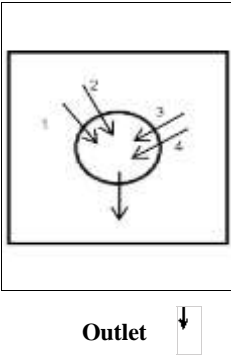
Inlets		Channel Type: <b>Formed</b>		Channel Exposure: <b>Formed</b>	
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	11	11	2	2	
Diameter (inches)	8	8	6	8	
Pipe Material	PVC	PVC	PVC	PVC	
Pipe Seal Condition	Sound		Sound		

Outlets	
	Outlet 1
Clock Position	6
Diameter (inches)	16.75
Pipe Material	PVC
Pipe Seal Condition	Sound

Comments

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

Plan View



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2809**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **10:35:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>no</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
		Chimney:	<b>Spray Concrete</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>		<b>Staining</b>	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:				<b>None</b>	
		Cover:	<b>Cast Iron</b>		<b>Fair</b>	<b>Sheet Flow</b>	
Steps:		Cover Type:	<b>Solid</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>No</b>	Quantity of Cover Holes:	<b>2</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:		Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Oversized</b>

Pipe Data

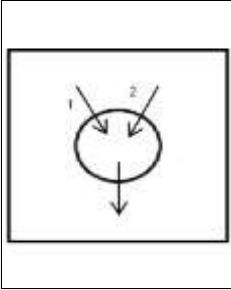
	Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
<b>Inlets</b>				
	Inlet 1	Inlet 2	Inlet 3	Inlet 4
Clock Position	<b>11</b>	<b>1</b>		
Diameter (inches)	<b>8</b>	<b>8</b>		
Pipe Material	<b>PVC</b>	<b>PVC</b>		
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>		

<b>Outlets</b>	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>10.3</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Cover cracks. Wall has two small points at 3 oclock on wall.

Plan View



Outlet



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3017**

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**

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

	Material	Condition	Inflow/Infiltration (GPM)
Debris: <b>no</b>	Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:	Grade Ring: <b>None</b>		
	Chimney: <b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
	Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
	Walls: <b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Grease Visible: <b>None</b>	Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Roots Evident: <b>No</b>	Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence: <b>None</b>	Pipe Connection: <b>None</b>		
Flow Conditions: <b>Steady</b>	Cover: <b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:	Cover Type: <b>Vented</b>	Cover Diameter (in): <b>32</b>	
	Quantity of Cover Holes: <b>5</b>	Cover Hole Diameter (in): <b>1</b>	
	Condition: <b>Good</b>	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>

Pipe Data

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

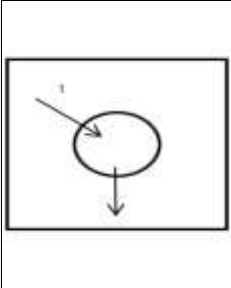
Inlets	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
--------	---------	---------	---------	---------	---------

Clock Position	<b>10</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>7.95</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3020**

Inspection Date: **8/25/2020 4:00:00 PM**

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

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

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

Debris: **yes**

*If Debris, Comments:*

**2% sediment in channel**

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **No Flo**

Steps:

Present: **Yes**

Condition: **Good**

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **Staining**

Grade Ring: **None**

Chimney: **Concrete Block** **Good** **Staining**

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

Walls: **Good** **Precast Concrete** **None**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

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

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	9				
Diameter (inches)	6				
Pipe Material	PVC				
Pipe Seal Condition	Sound				

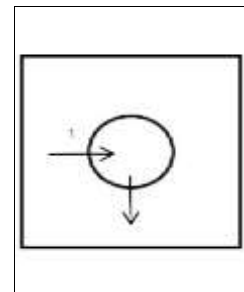
### Outlets

	<u>Outlet 1</u>
Clock Position	8
Diameter (inches)	5.92
Pipe Material	PVC
Pipe Seal Condition	Sound

## Comments

**No flow currently in channel**

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3021**

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:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>Internal</b>	Drop Material:	<b>PVC</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>PVC</b>	Material		Condition	<b>Inflow/Infiltration (GPM)</b>
Debris:	<b>yes</b>			Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
5% Sediment in channel				Chimney:	<b>Concrete Block</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>None</b>			Walls:	<b>Good</b>	<b>concrete block</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:				<b>None</b>	
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>5</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

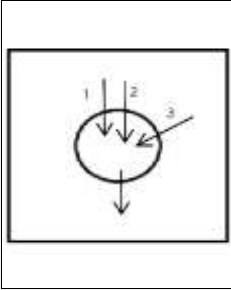
Inlets		Channel Type:		Channel Exposure:	
		<b>Formed</b>		<b>Formed</b>	
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>	<b>12</b>	<b>2</b>		
Diameter (inches)	<b>8</b>	<b>8</b>	<b>4</b>		
Pipe Material	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>		
Pipe Seal Condition	<b>Sound</b>		<b>Sound</b>		

Outlets	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>10.5</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Inlet 1 to 2 is a drop

Plan View



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3173**

Inspection Date: **8/20/2020 4:00:00 PM**

Inspection Time: **9:34:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Tumblebrook Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

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: **no**

If Debris, Comments:

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Solid</b>		Cover Diameter (in): <b>32</b>
Quantity of Cover Holes:	<b>3</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **No**

Condition:

Pipe Data

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

If Inflow, Drainage Area to Cover (SF):

**Inlets**

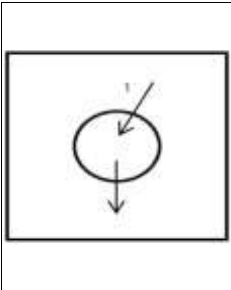
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	<b>1</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

**Outlets**

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>7.88</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH3175**

Inspection Date: **8/20/2020 4:00:00 PM**  
Inspection Time: **10:27:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Tumblebrook Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **no**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **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: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Solid** Cover Diameter (in): **32**  
Present: **No** Quantity of Cover Holes: **1** Cover Hole Diameter (in): **1**  
Condition: Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

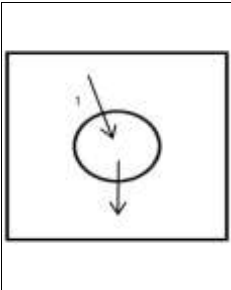
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **11**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **8.88**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

Plan View



MANHOLE INSPECTION LOG

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**

	Material	Condition	Inflow/Infiltration (GPM)
Debris: <b>no</b>	Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:	Grade Ring: <b>None</b>		
	Chimney: <b>ik and Sprayed Conc</b>	<b>Good</b>	<b>None</b>
	Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
	Walls: <b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Grease Visible: <b>None</b>	Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Roots Evident: <b>No</b>	Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence: <b>None</b>	Pipe Connection: <b>None</b>		
Flow Conditions: <b>Steady</b>	Cover: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Steps:	Cover Type: <b>Vented</b>	Cover Diameter (in): <b>32</b>	
	Quantity of Cover Holes: <b>5</b>	Cover Hole Diameter (in): <b>1</b>	
	Condition: <b>Good</b>	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>

Pipe Data

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

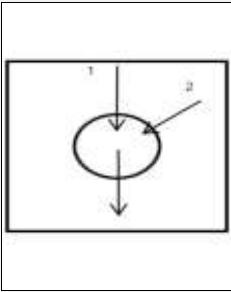
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	<b>12</b>	<b>2</b>			
Diameter (inches)	<b>8</b>	<b>8</b>			
Pipe Material	<b>PVC</b>	<b>PVC</b>			
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>			

Outlets

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>11.2</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3195**

Inspection Date: **8/25/2020 4:00:00 PM**

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: **N/A**

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

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>ink and Sprayed Conc</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Channel:		<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Cover Type:	<b>Vented</b>		
Quantity of Cover Holes:	<b>1</b>		
Cover Elevation:	<b>At Grade</b>		
Cover Fit:		<b>Good</b>	

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Sluggi**

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>unknown</b>				
Pipe Seal Condition	<b>Sound</b>				

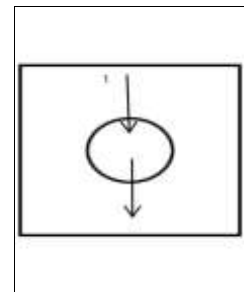
### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8.7</b>
Pipe Material	<b>unknown</b>
Pipe Seal Condition	<b>Sound</b>

## 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.**

## Plan View



Outlet



Inspector: **Matt Silverman**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3196**

Inspection Date: **8/25/2020 4:00:00 PM**

Sewer Shed: **V14**

Inspection Time: **1:13:00 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: **no**

If Debris, Comments:

Material

Condition

Inflow/Infiltration (GPM)

Frame: **Cast Iron**

**Good**

**None**

Grade Ring: **None**

Chimney: **None**

Cone: **Precast Concrete**

**Good**

**None**

Grease Visible: **None**

Walls: **Good**

**Precast Concrete**

**Staining**

Roots Evident: **No**

Bench: **Concrete**

**Good**

**None**

Surcharge Evidence: **None**

Channel: **Lined**

**Good**

**None**

Flow Conditions: **No Flo**

Pipe Connection:

**None**

Cover: **Cast Iron**

**Good**

**None**

Steps:

Cover Type: **Solid**

Cover Diameter (in): **32**

Present: **Yes**

Quantity of Cover Holes: **1**

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**

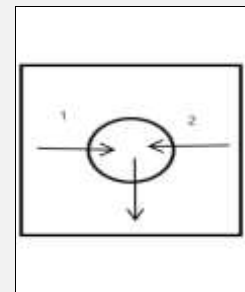
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	9	3			
Diameter (inches)	8	8			
Pipe Material	PVC	PVC			
Pipe Seal Condition	Sound	Sound			

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8.4
Pipe Material	PVC
Pipe Seal Condition	Sound

## Plan View



Outlet



## Comments

**Invert appears to be Brick Lined with spray concrete.**

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH458**

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:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
5% debris in channel		Chimney:			<b>Good</b>		
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>		<b>Staining</b>	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>Minor</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Surch</b>	Pipe Connection:				<b>None</b>	
		Cover:	<b>Cast Iron</b>		<b>Good</b>	<b>Sheet Flow</b>	
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>5</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

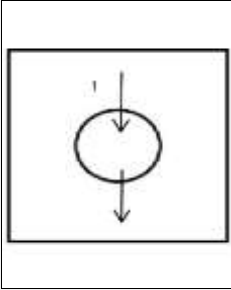
<b><u>Inlets</u></b>	Channel Type:		<b><u>Formed</u></b>	Channel Exposure:		<b><u>Formed</u></b>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>	

Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>10.48</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH459**

Inspection Date: **8/25/2020 4:00:00 PM**

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: **N/A**

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

Debris: **no**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **No Flo**

Steps:

Present: **Yes**

Condition: **Good**

Pipe Connection:

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>3</b>				
Diameter (inches)	<b>6</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

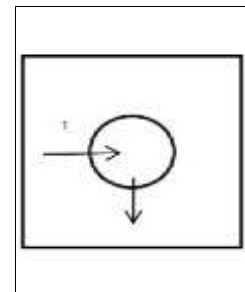
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>6.92</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Comments

**No flow currently in channel.**

Channel Exposure: **Formed**

## Plan View



Outlet

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH480**

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:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Dirt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>no</b>			Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
				Chimney:	<b>Lined</b>	<b>Good</b>	<b>Staining</b>
				Cone:	<b>Lined</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>None</b>			Walls:	<b>Good</b>	<b>Lined</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Lined</b>	<b>Good</b>	<b>Staining</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:				<b>None</b>	
		Cover:	<b>Cast Iron</b>		<b>Good</b>	<b>None</b>	
Steps:		Cover Type:	<b>Solid</b>	Cover Diameter (in):	<b>32</b>		
Present:	<b>No</b>	Quantity of Cover Holes:	<b>4</b>	Cover Hole Diameter (in):	<b>1</b>		
Condition:		Cover Elevation:	<b>Above Grade</b>	Cover Fit:	<b>Oversized</b>		

Pipe Data

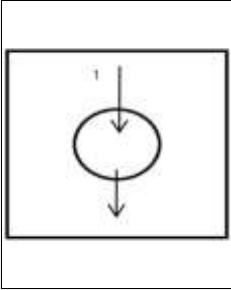
Inlets		Channel Type:	<b>Insert</b>	Channel Exposure:	<b>Insert</b>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>27</b>				
Pipe Material	<b>Lined</b>				
Pipe Seal Condition	<b>Sound</b>				

Outlets	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>6</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Staining from chimney to bench**

Plan View



Outlet



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH481**

Inspection Date: **8/26/2020 4:00:00 PM**

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**

Pre-Cleaning: **None**

Drop Present: **No**

Drop Location: **N/A**

Drop Material: **N/A**

Location: **Dirt**

Drop Condition: **N/A**

Debris: **no**

*If Debris, Comments:*

Frame: **Cast Iron**

**Fair**

**Staining**

Grade Ring: **None**

Chimney: **Lined**

**Good**

**Staining**

Cone: **Lined**

**Good**

**Staining**

Walls: **Good**

**Lined**

**Staining**

Bench: **Lined**

**Good**

**None**

Channel: **Lined**

**Good**

**None**

Flow Conditions: **Steady**

Pipe Connection:

**None**

Cover: **Cast Iron**

**Good**

**Sheet Flow**

Steps:

Cover Type: **Solid**

Cover Diameter (in): **32**

Present: **No**

Quantity of Cover Holes: **4**

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

Condition:

Cover Elevation: **At Grade**

Cover Fit: **Good**

## **Pipe Data**

### **Inlets**

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b><u>12</u></b>	<b><u>2</u></b>			
Diameter (inches)	<b><u>27</u></b>	<b><u>8</u></b>			
Pipe Material	<b><u>Lined</u></b>	<b><u>PVC</u></b>			
Pipe Seal Condition	<b><u>Sound</u></b>	<b><u>Sound</u></b>			

### **Outlets**

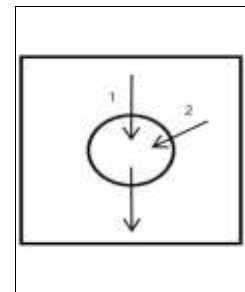
	<u>Outlet 1</u>
Clock Position	<b><u>6</u></b>
Diameter (inches)	<b><u>6.75</u></b>
Pipe Material	<b><u>Lined</u></b>
Pipe Seal Condition	<b><u>Sound</u></b>

Channel Type: **Insert**

Channel Exposure: **Insert**

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

## **Plan View**



Outlet

## **Comments**

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

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH536**

Inspection Date: **8/27/2020 4:00:00 PM**

Inspection Time: **8:31:00 AM**

Location: **Easement**

Surface Type: **Woods**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Rails to Trails**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Woods</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>			Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>Sediment on bench</b>				Chimney:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>None</b>			Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Concrete</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>inundation</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>No</b>	Quantity of Cover Holes:	<b>4</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:		Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

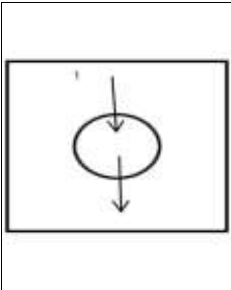
Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
If Inflow, Drainage Area to Cover (SF):			
Inlets			
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>
	<u>Inlet 4</u>	<u>Inlet 5</u>	

Clock Position	<b>12</b>
Diameter (inches)	<b>24</b>
Pipe Material	<b>rcp</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>6.4</b>
Pipe Material	<b>rcp</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH538**

Inspection Date: **8/25/2020 4:00:00 PM**  
Inspection Time: **9:58:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Irene Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Light Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **Internal** Drop Material: **PVC**  
Location: **Asphalt** Drop Condition: **PVC**  
Debris: **yes**  
*If Debris, Comments:*  
**5% Sediment in channel**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **Minor**  
Flow Conditions: **Steady**  
Steps: **Present: Yes**  
Condition: **Good**  
Material: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Frame: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Grade Ring: **None**  
Chimney: **None**  
Cone: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Walls: **Good** Condition: **Precast Concrete** Inflow/Infiltration (GPM): **Staining**  
Bench: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Channel: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** Condition: **Good** Sheet Flow: **None**  
Cover Type: **Vented** Cover Diameter (in): **24**  
Quantity of Cover Holes: **3** Cover Hole Diameter (in): **1**  
Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	11	11	2		
Diameter (inches)	8	8	8		
Pipe Material	PVC	PVC	PVC		
Pipe Seal Condition	Sound		Sound		

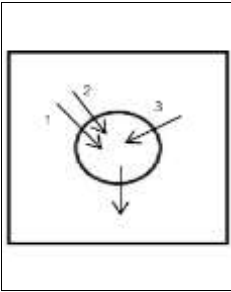
**Outlets**  

	Outlet 1
Clock Position	6
Diameter (inches)	17.8
Pipe Material	PVC
Pipe Seal Condition	Sound

Comments

**Inlet 1 to 2 is a drop.**

Plan View



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH539**

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:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
5% sediment in channel		Chimney:	<b>Concrete Block</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>		<b>Staining</b>	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Surch</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>plastic</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Solid</b>			Cover Diameter (in):	<b>24</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>3</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

<u><b>Inlets</b></u>	Channel Type:		<u><b>Formed</b></u>	Channel Exposure:		<u><b>Formed</b></u>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>	

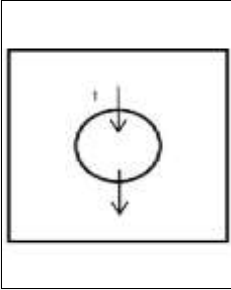
Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>14.33</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Staining on cone and wall.**

Plan View



Outlet



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH547**

Inspection Date: **8/24/2020 4:00:00 PM**

Inspection Time: **9:53:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Deerfield Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

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: **yes**

*If Debris, Comments:*

**Sediment 10% of channel**

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **No Flo**

Steps:

Present: **No**

Condition:

Material

Condition

Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

Chimney: **Precast Concrete** **Good** **None**

Cone:

Walls: **Fair** **Precast Concrete** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

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

Pipe Data

**Inlets**

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

Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position

Diameter (inches)

Pipe Material

Pipe Seal Condition

**Outlets**

Outlet 1

Clock Position **6**

Diameter (inches) **6**

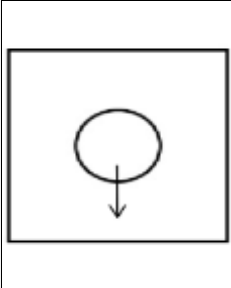
Pipe Material **PVC**

Pipe Seal Condition **Sound**

Comments

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

Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH729**

Inspection Date: **8/25/2020 4:00:00 PM**  
Inspection Time: **9:50:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V14**  
Street: **Trout Stream Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **yes**  
*If Debris, Comments:*  
**Outlet entirely blocked by sediment, broken Brick and concrete.**  
Grease Visible: **None**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **No Flo**  
Steps: **No**  
Condition: **No**  
Material: **Cast Iron**  
Condition: **Good**  
Inflow/Infiltration (GPM): **None**  
Frame: **Cast Iron**  
Grade Ring: **None**  
Chimney: **Spray Concrete**  
Cone: **Precast Concrete**  
Walls: **Good**  
Bench: **Brick**  
Channel: **Brick**  
Pipe Connection: **None**  
Cover: **Cast Iron**  
Cover Type: **Solid**  
Quantity of Cover Holes: **2**  
Cover Elevation: **At Grade**  
Cover Diameter (in): **32**  
Cover Hole Diameter (in): **2**  
Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*  
Channel Type: **Formed**  
Channel Exposure: **Formed**

Pipe Data

**Inlets**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

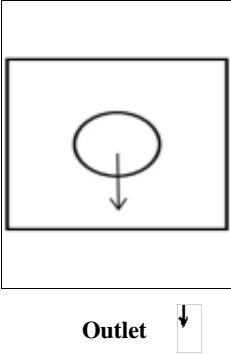
Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

**Outlets**  
Outlet 1  
Clock Position: **6**  
Diameter (inches): **9**  
Pipe Material: **unknown**  
Pipe Seal Condition: **Sound**

Comments

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

Plan View



# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH86**

Inspection Date: **8/26/2020 4:00:00 PM**

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: **N/A**

Location: **Grass**

Drop Condition: **N/A**

Debris: **no**

If Debris, Comments:

Material

Condition

Inflow/Infiltration (GPM)

Frame: **Cast Iron**

**Good**

**None**

Grade Ring: **None**

Chimney: **Precast Concrete**

**Good**

**Staining**

Cone:

Grease Visible: **None**

Walls: **Good**

**Precast Concrete**

**None**

Roots Evident: **yes**

Bench: **Concrete**

**Good**

**None**

Surcharge Evidence: **None**

Channel: **Lined**

**Good**

**None**

Flow Conditions: **Sluggish**

Pipe Connection:

**None**

Cover: **Cast Iron**

**Good**

**Sheet Flow**

Steps:

Cover Type: **Vented**

Cover Diameter (in): **32**

Present: **Yes**

Quantity of Cover Holes: **4**

Cover Hole Diameter (in):

Condition: **Good**

Cover Elevation: **At Grade**

Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

Channel Type: **Formed**

Channel Exposure: **Formed**

### Inlets

Inlet 1

Inlet 2

Inlet 3

Inlet 4

Inlet 5

Clock Position

**9**

Diameter (inches)

**8**

Pipe Material

**PVC**

Pipe Seal Condition

**Sound**

### Outlets

Outlet 1

Clock Position

**6**

Diameter (inches)

**3.15**

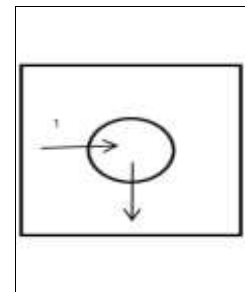
Pipe Material

**PVC**

Pipe Seal Condition

**Sound**

## Plan View



Outlet

## Comments

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

Inspector: **Matt Silverman**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH866**

Inspection Date: **8/25/2020 4:00:00 PM**

Inspection Time: **11:54:00 AM**

Location: **Roadway**

Surface Type: **Asphalt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Seneca Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
5% sediment in channel		Chimney:	<b>Brick</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>None</b>	Walls:	<b>Good</b>	<b>Precast Concrete</b>		<b>Staining</b>	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:				<b>None</b>	
		Cover:	<b>Cast Iron</b>		<b>Good</b>	<b>Sheet Flow</b>	
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>5</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

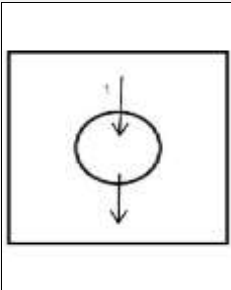
Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
Inlets			
Inlet 1		Inlet 2	
Inlet 3		Inlet 4	
Inlet 5			

Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
Outlet 1	
Clock Position	<b>6</b>
Diameter (inches)	<b>8.17</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH928**

Inspection Date: **8/26/2020 4:00:00 PM**

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**

Location: **Dirt** Drop Condition: **PVC**

Debris: **no**

If Debris, Comments:

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Good</b>	<b>Precast Concrete</b>	<b>Staining</b>
Bench:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Cover Type:	<b>Vented</b>		
Cover Diameter (in):			<b>32</b>
Quantity of Cover Holes:			
Cover Hole Diameter (in):			
Cover Elevation:	<b>At Grade</b>		
Cover Fit:			<b>Good</b>

Grease Visible: **None**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **No**

Condition:

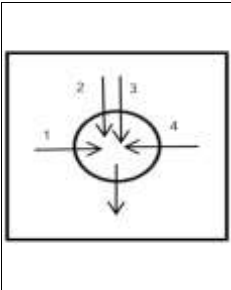
If Inflow, Drainage Area to Cover (SF):

Pipe Data

Channel Type: **insert** Channel Exposure: **insert**

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	<b>9</b>	<b>12</b>	<b>12</b>	<b>3</b>	
Diameter (inches)	<b>8</b>	<b>27</b>	<b>27</b>	<b>8</b>	
Pipe Material	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>	<b>PVC</b>	
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>

Plan View



Outlet

Comments

**INLET 2 TO 3 IS A DROP**

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH929**

Inspection Date: **8/26/2020 4:00:00 PM**

Inspection Time: **10:18:00 AM**

Location: **Wooded**

Surface Type: **Dirt**

Manhole Use: **Sanitary**

Sewer Shed: **V14**

Street: **Rails to Trails**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Dirt</b>	Drop Condition:	<b>N/A</b>	Material	<b>Condition</b>	<b>Inflow/Infiltration (GPM)</b>	
Debris:	<b>no</b>	Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>		
If Debris, Comments:				Grade Ring:	<b>None</b>		
				Chimney:	<b>Lined</b>	<b>Good</b>	<b>Staining</b>
				Cone:	<b>Lined</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>None</b>			Walls:	<b>Good</b>	<b>Lined</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Concrete</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:	<b>None</b>				
		Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>		
Steps:	Cover Type:		<b>Solid</b>	Cover Diameter (in):		<b>32</b>	
Present:	<b>No</b>	Quantity of Cover Holes:	<b>4</b>	Cover Hole Diameter (in):		<b>1</b>	
Condition:	Cover Elevation:		<b>At Grade</b>	Cover Fit:		<b>Good</b>	

Pipe Data

<b>Inlets</b>	Channel Type:	<b>Insert</b>	Channel Exposure:	<b>Insert</b>
	<b>Inlet 1</b>	<b>Inlet 2</b>	<b>Inlet 3</b>	<b>Inlet 4</b>

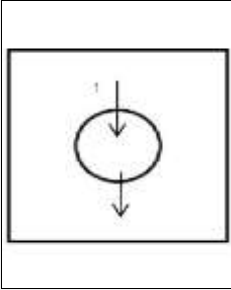
Clock Position	<b>12</b>
Diameter (inches)	<b>27</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

<b>Outlets</b>	<b>Outlet 1</b>
Clock Position	<b>6</b>
Diameter (inches)	<b>5.92</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Staining from top of chimney down to walls.

Plan View



Outlet 

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH110**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **9:02:00 AM**

Street: **Brent 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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions:

Steps:

Present: **Yes**

Condition: **Good**

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

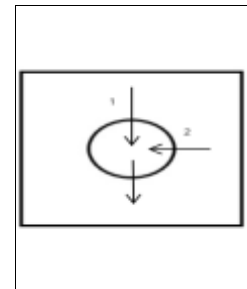
## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12	3			
Diameter (inches)	8	6			
Pipe Material	PVC	Cast Iron			
Pipe Seal Condition	Sound	Sound			

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

### Plan View



Outlet



### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

**No flow currently in channel**

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1318**

Inspection Date: **9/22/2020 4:00:00 PM**

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**

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Vented</b>		Cover Diameter (in): <b>26</b>
Quantity of Cover Holes:	<b>6</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

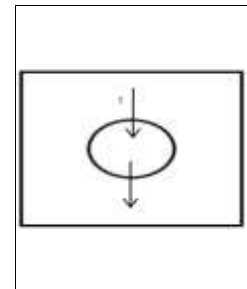
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Comments

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1319**

Inspection Date: **9/21/2020 4:00:00 PM**  
Inspection Time: **9:39:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Old Stone Rd**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **Yes**  
*If Debris, Comments:*  
**2% sediment in channel**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **9** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
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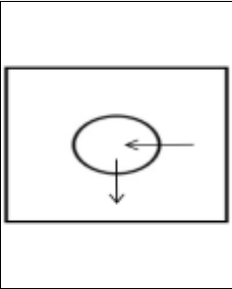
Clock Position	<b>3</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Outlets**

	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1320**

Inspection Date: **9/16/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **11:56:00 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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Concrete Block</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection: **None**

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: **Formed** Channel Exposure: **Formed**

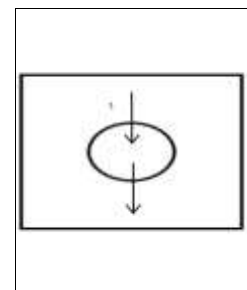
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>6</b>				
Pipe Material	<b>PVC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1323**

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**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>No</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
		Chimney:	<b>Brick</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>2</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

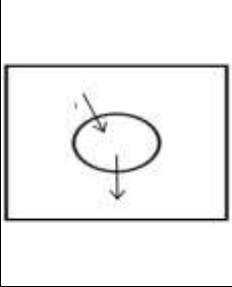
Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
If Inflow, Drainage Area to Cover (SF):			

Inlets	
Inlet 1	
Clock Position	<b>11</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
Outlet 1	
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**Plan View**



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1324**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **11:02:00 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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection:

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

Steps:

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

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

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

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

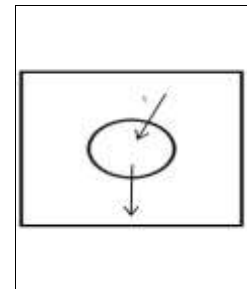
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>1</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

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

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1326**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Scott 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: **No**

If Debris, Comments:

**null**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

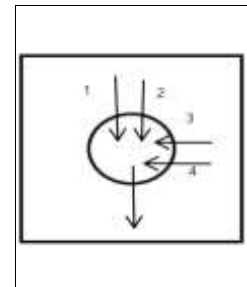
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12	12	3	3	
Diameter (inches)	6	8	6	8	
Pipe Material	VC	VC	VC	VC	
Pipe Seal Condition	Sound	Sound	Sound	Sound	Sound

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

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

### Plan View



Outlet



## Comments

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

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1327**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Hemlock 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**

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

Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
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If Debris, Comments:

Grade Ring:	<b>None</b>		
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**null**

Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Grease Visible:

Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady** Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

Cover Type:	<b>Vented</b>	Cover Diameter (in): <b>26</b>
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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:	<b>Formed</b>	Channel Exposure: <b>Formed</b>
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<u>Inlets</u>	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
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Clock Position	<b>12</b>
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Diameter (inches)	<b>8</b>
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Pipe Material	<b>VC</b>
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Pipe Seal Condition	<b>Sound</b>
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<u>Outlets</u>	<u>Outlet 1</u>
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Clock Position	<b>6</b>
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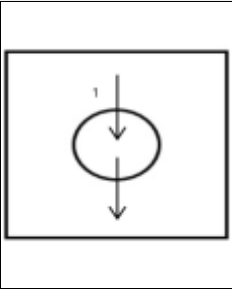
Diameter (inches)	<b>8</b>
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Pipe Material	<b>VC</b>
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Pipe Seal Condition	<b>Sound</b>
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**Comments**

**Plan View**



Outlet 

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1328**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Scott 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: **No**

If Debris, Comments:

**null**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

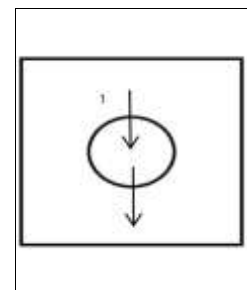
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12				
Diameter (inches)	8				
Pipe Material	VC				
Pipe Seal Condition	Sound				

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

### Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1718**

Inspection Date: **9/17/2020 4:00:00 PM**  
Inspection Time: **9:51:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Hansen Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Channel: **Brick** **Good** **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **5** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

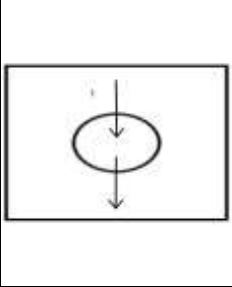
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

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



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1719**

Inspection Date: **9/17/2020 4:00:00 PM**

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**

Weather: **Dry - No Rain**

## **Manhole Observations**

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

Location: **Asphalt** Drop Condition: **VC**

Debris: **No**

*If Debris, Comments:*

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **surcharge**

Steps:

Present: **Yes**

Condition: **Good**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Grade Ring:	<b><u>None</u></b>		
Chimney:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Cone:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Walls:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Bench:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>1</u></b>
Channel:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Pipe Connection:			<b><u>None</u></b>
Cover:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>Sheet Flow</u></b>
Cover Type:	<b><u>Vented</u></b>		Cover Diameter (in): <b><u>24</u></b>
Quantity of Cover Holes:	<b><u>1</u></b>		Cover Hole Diameter (in): <b><u>1</u></b>
Cover Elevation:	<b><u>At Grade</u></b>		Cover Fit: <b><u>Good</u></b>

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

## **Pipe Data**

### **Inlets**

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b><u>12</u></b>	<b><u>12</u></b>			
Diameter (inches)	<b><u>8</u></b>	<b><u>8</u></b>			
Pipe Material	<b><u>VC</u></b>	<b><u>VC</u></b>			
Pipe Seal Condition	<b><u>Sound</u></b>	<b><u>Sound</u></b>			

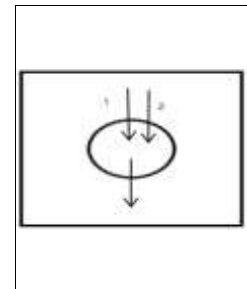
### **Outlets**

	<u>Outlet 1</u>
Clock Position	<b><u>6</u></b>
Diameter (inches)	<b><u>8</u></b>
Pipe Material	<b><u>VC</u></b>
Pipe Seal Condition	<b><u>Sound</u></b>

## **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.**

## **Plan View**



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
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:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>External</b>	Drop Material:	<b>pvc</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>pvc</b>	Material		Condition	<b>Inflow/Infiltration (GPM)</b>
Debris:	<b>No</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
		Chimney:	<b>Concrete Block</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Solid with Pickholes</b>	Cover Diameter (in):	<b>26</b>		
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>4</b>	Cover Hole Diameter (in):	<b>1</b>		
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>	Cover Fit:		<b>Good</b>	

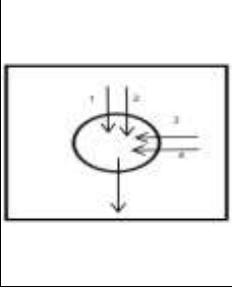
**Pipe Data**

	Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>	
<b>Inlets</b>					
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>	<b>12</b>	<b>3</b>	<b>3</b>	
Diameter (inches)	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	
Pipe Material	<b>VC</b>	<b>VC</b>	<b>VC</b>	<b>VC</b>	
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>

**Outlets**

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Plan View**



Outlet 

**Comments**

Inlets 1 to 2 and 3 to 4 are drops.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1721**

Inspection Date: **9/16/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **2:38:00 PM**

Street: **Wayne 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: **External** Drop Material: **VC**

Location: **Asphalt** Drop Condition: **VC**

Debris: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

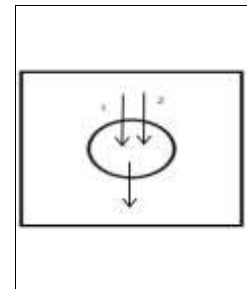
### Inlets

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	12	12			
Diameter (inches)	8	8			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

### Outlets

	Outlet 1
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Plan View



Outlet ↓

## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1722**

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**

Weather: **Dry - No Rain**

**Manhole Observations**

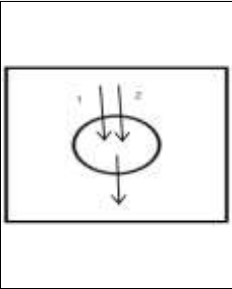
Pre-Cleaning:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>External</b>	Drop Material:	<b>VC</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>VC</b>				
Debris:	<b>No</b>			Material		Condition	Inflow/Infiltration (GPM)
If Debris, Comments:		Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
		Grade Ring:	<b>None</b>				
		Chimney:	<b>Brick</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>6</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
<b>Inlets</b>					
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>	<b>12</b>			
Diameter (inches)	<b>8</b>	<b>8</b>			
Pipe Material	<b>VC</b>	<b>VC</b>			
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>			

<b>Outlets</b>	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Plan View**



Outlet

**Comments**

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1724**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **6:23:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Russell Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>Yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>5% debris in channel</b>				Chimney:	<b>Brick</b>	<b>Fair</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:		Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>5</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

Inlets	Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5

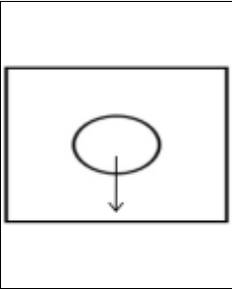
Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

Outlets	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Crack on chimney. No flow in channel. Starter**

Plan View



Outlet ↓

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1725**

Inspection Date: **9/15/2020 4:00:00 PM**

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**

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

Cone: **Precast Concrete** **Good** **Staining**

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12	3			
Diameter (inches)	8	8			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

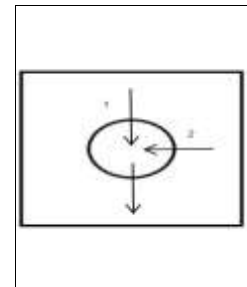
### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

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

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1726**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Foster 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**

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

Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
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If Debris, Comments:

Grade Ring:	<b>None</b>		
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**null**

Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Grease Visible: **No**

Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions:

Pipe Connection:			<b>None</b>
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Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

Cover Type:	<b>Solid with Pickholes</b>	Cover Diameter (in): <b>26</b>
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Present: <b>Yes</b>	Quantity of Cover Holes: <b>2</b>	Cover Hole Diameter (in): <b>1</b>
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Condition: <b>Good</b>	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>
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**Pipe Data**

If Inflow, Drainage Area to Cover (SF):

Channel Type:	<b>Formed</b>	Channel Exposure: <b>Formed</b>
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	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
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Clock Position	<b>12</b>
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Diameter (inches)	<b>8</b>
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Pipe Material	<b>VC</b>
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Pipe Seal Condition	<b>Sound</b>
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**Outlets**

	<u>Outlet 1</u>
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Clock Position	<b>6</b>
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Diameter (inches)	<b>8</b>
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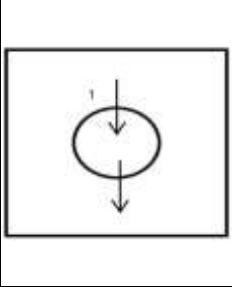
Pipe Material	<b>VC</b>
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Pipe Seal Condition	<b>Sound</b>
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**Comments**

**No flow. Starter. Top of frame broken 4" at 5 oclock.**

**Plan View**



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1743**

Inspection Date: **9/21/2020 4:00:00 PM**  
Inspection Time: **1:53:00 PM**  
Location: **Creek**  
Surface Type: **Woods**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Risley Rd**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **No** Drop Location: **N/A** Drop Material: **N/A**  
Location: **Woods** Drop Condition: **N/A**  
Debris: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **None**  
Cover Type: **Vented** Cover Diameter (in): **32**  
Quantity of Cover Holes: **11** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

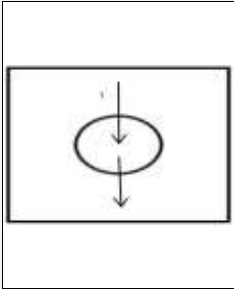
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **12**  
Diameter (inches) **12**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

**Outlets** Outlet 1  
Clock Position **6**  
Diameter (inches) **12**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1798**

Inspection Date: **9/22/2020 4:00:00 PM**

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**

Weather: **Dry - No Rain**

## Manhole Observations

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

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

Debris: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		

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

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

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

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

Flow Conditions: **Steady** Pipe Connection: **None**

Cover: **Cast Iron** **Good** **None**

Steps: Cover Type: **Bolted** Cover Diameter (in): **32**

Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **0.5**

Condition: **Good** Cover Elevation: **Above Grade** Cover Fit: **Good**

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

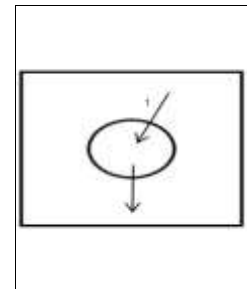
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>1</b>				
Diameter (inches)	<b>18</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

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

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>18</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet ↓

## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1799**

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**

Weather: **Dry - No Rain**

## Manhole Observations

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

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

Debris: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		

Cone: **Precast Concrete** **Fair** **None**

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

Roots Evident: **Yes** Bench: **Unknown** **Poor** **0.01**

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

Flow Conditions: **Steady** Pipe Connection: **None**

Cover: **Cast Iron** **Good** **None**

Steps: Cover Type: **Bolted** Cover Diameter (in): **32**

Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **0.5**

Condition: **Good** Cover Elevation: **Above Grade** Cover Fit: **Good**

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

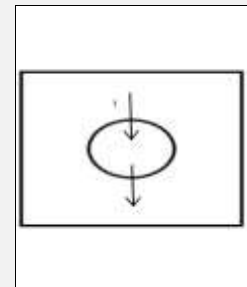
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>18</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>18</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Roots coming from top of cone at 12 o'clock.

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH1800**

Inspection Date: **9/22/2020 4:00:00 PM** 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** Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **No** Drop Location: **N/A** Drop Material: **N/A**  
Location: **Woods** Drop Condition: **N/A**  
Debris: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Unknown** **Poor** **0.25**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **None**  
Steps: Cover Type: **Bolted** Cover Diameter (in): **32**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **0.5**  
Condition: **Good** Cover Elevation: **Above Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

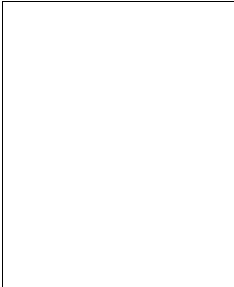
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **11**  
Diameter (inches) **18**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **18**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

Comments

Plan View



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2131**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **9:15:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Echo Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **2** 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**  
**Inlets**  

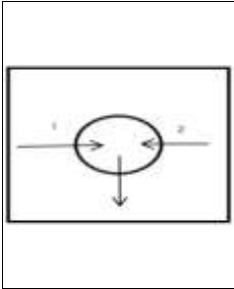
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	9	3			
Diameter (inches)	8	12			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

**Outlets**  

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	12
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2133**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **11:21:00 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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Vented</b>		Cover Diameter (in): <b>26</b>
Quantity of Cover Holes:	<b>3</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

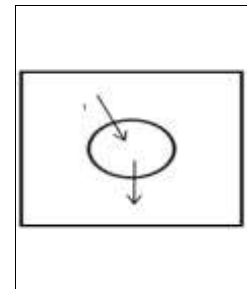
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>11</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Comments

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2134**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **11:37:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Foster Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Grease Visible: **No**  
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: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **4** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

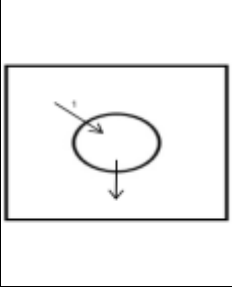
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **10**  
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



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2135**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **11:53:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Foster Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **External** Drop Material: **VC**  
Location: **Asphalt** Drop Condition: **VC**  
Debris: **No**  
*If Debris, Comments:*  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady**  
Steps:  
Present: **Yes**  
Condition: **Good**  
Material  
Condition  
Inflow/Infiltration (GPM)  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Cover Type: **Vented** Cover Diameter (in): **26**  
Quantity of Cover Holes: **6** Cover Hole Diameter (in): **1**  
Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

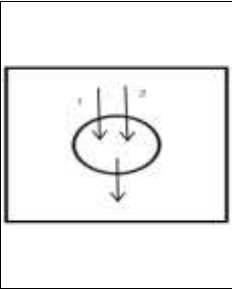
Channel Type: **Formed** Channel Exposure: **Formed**  
**Inlets**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5  
Clock Position **12** **12**  
Diameter (inches) **8** **8**  
Pipe Material **VC** **VC**  
Pipe Seal Condition **Sound** **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **8**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

Comments

Inlet 1 to 2 is a drop.

Plan View



Outlet ↓

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2136**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **12:08:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Foster Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: <b>None</b>	Drop Present: <b>No</b>	Drop Location: <b>N/A</b>	Drop Material: <b>N/A</b>
Location: <b>Asphalt</b>	Drop Condition: <b>N/A</b>		
Debris: <b>Yes</b>		<u>Material</u>	<u>Condition</u> <u>Inflow/Infiltration (GPM)</u>
	Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
<i>If Debris, Comments:</i>	Grade Ring: <b>None</b>		
<b>10% sediment in channel</b>	Chimney: <b>Brick</b>	<b>Good</b>	<b>None</b>
	Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible: <b>No</b>	Walls: <b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Roots Evident: <b>No</b>	Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence: <b>None</b>	Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	Pipe Connection:		<b>None</b>
	Cover: <b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:	Cover Type: <b>Vented</b>	Cover Diameter (in): <b>26</b>	
Present: <b>Yes</b>	Quantity of Cover Holes: <b>2</b>	Cover Hole Diameter (in): <b>1</b>	
Condition: <b>Good</b>	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>	

Pipe Data

<u>Inlets</u>	Channel Type: <b>Formed</b>	Channel Exposure: <b>Formed</b>
<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>
	<u>Inlet 4</u>	<u>Inlet 5</u>

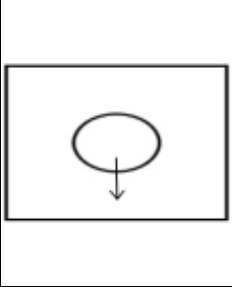
Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

<u>Outlets</u>	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**No flow in channel. Starter**

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2138**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Scott 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: **VC**

Location: **Asphalt** Drop Condition: **VC**

Debris: **No**

If Debris, Comments:

**null**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

**Pipe Data**

<b>Inlets</b>		Channel Type: <b>Formed</b>		Channel Exposure: <b>Formed</b>	
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12	12	3	3	
Diameter (inches)	8	8	8	8	
Pipe Material	VC	VC	VC	VC	
Pipe Seal Condition	Sound	Sound	Sound	Sound	Sound

<b>Outlets</b>	
	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

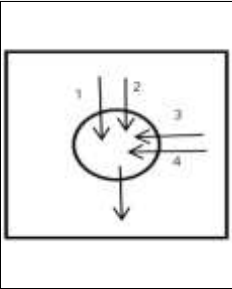
**Comments**

inlet 1 to 2 and 3 to 4 are drops

<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring: <b>None</b>		
Chimney: <b>Brick</b>	<b>Good</b>	<b>None</b>
Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls: <b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:		<b>None</b>
Cover: <b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type: <b>Vented</b>		Cover Diameter (in): <b>24</b>
Quantity of Cover Holes: <b>3</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation: <b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

**Plan View**



Outlet

MANHOLE INSPECTION LOG  
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**

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

Frame:	<b>No flow. Starter.</b>	<b>Good</b>	<b>None</b>
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If Debris, Comments:

Grade Ring:	<b>None</b>		
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**null**

Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Grease Visible: **No**

Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions:

Pipe Connection:			<b>None</b>
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Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

Cover Type:	<b>Vented</b>	Cover Diameter (in): <b>26</b>
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Present: **Yes** Quantity of Cover Holes: **4** Cover Hole Diameter (in): **0.5**

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

**Pipe Data**

If Inflow, Drainage Area to Cover (SF):

Channel Type:	<b>Formed</b>	Channel Exposure: <b>Formed</b>
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**Inlets**

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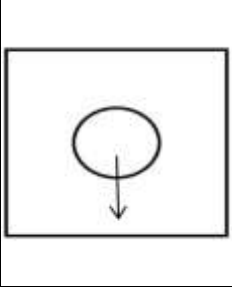
Clock Position

Diameter (inches)

Pipe Material

Pipe Seal Condition

**Plan View**



Outlet 

**Outlets**

Outlet 1

Clock Position **6**

Diameter (inches) **8**

Pipe Material **VC**

Pipe Seal Condition **Sound**

**Comments**

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2141**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Cross 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: **No**

*If Debris, Comments:*

**null**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

**Material** **Condition** **Inflow/Infiltration (GPM)**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

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

## **Pipe Data**

### **Inlets**

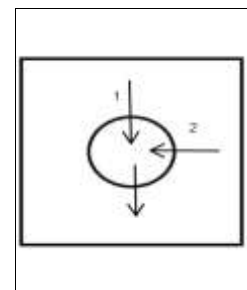
	<b><u>Inlet 1</u></b>	<b><u>Inlet 2</u></b>	<b><u>Inlet 3</u></b>	<b><u>Inlet 4</u></b>	<b><u>Inlet 5</u></b>
Clock Position	<b><u>12</u></b>	<b><u>3</u></b>			
Diameter (inches)	<b><u>8</u></b>	<b><u>8</u></b>			
Pipe Material	<b><u>VC</u></b>	<b><u>VC</u></b>			
Pipe Seal Condition	<b><u>Sound</u></b>	<b><u>Sound</u></b>			

### **Outlets**

	<b><u>Outlet 1</u></b>
Clock Position	<b><u>6</u></b>
Diameter (inches)	<b><u>8</u></b>
Pipe Material	<b><u>VC</u></b>
Pipe Seal Condition	<b><u>Sound</u></b>

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

## **Plan View**



Outlet



## **Comments**

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2361**

Inspection Date: **9/21/2020 4:00:00 PM**

Sewer Shed: **V27**

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**

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: **No**

If Debris, Comments:

Material

Condition

Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

Chimney: **Concrete Block** **Good** **None**

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

Walls: **Precast Concrete** **Good** **Staining**

Bench: **Brick** **Good** **0.01**

Channel: **Brick** **Good** **None**

Grease Visible: **No**

Pipe Connection: **None**

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

Steps: Cover Type: **Bolted** Cover Diameter (in): **32**

Present: **Yes** Quantity of Cover Holes: **5** Cover Hole Diameter (in): **0.5**

Condition: **Good** Cover Elevation: **Above 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

Diameter (inches)

Pipe Material

Pipe Seal Condition

11

1

8

18

VC

VC

Fair

Sound

Outlets

Outlet 1

Clock Position

Diameter (inches)

Pipe Material

Pipe Seal Condition

6

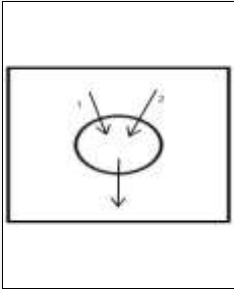
18

VC

Sound

Comments  
Evidence of infiltration on bench.

Plan View



Outlet



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2579**

Inspection Date: **9/17/2020 4:00:00 PM**  
Inspection Time: **11:41:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Hansen Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Grease Visible: **No**  
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: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

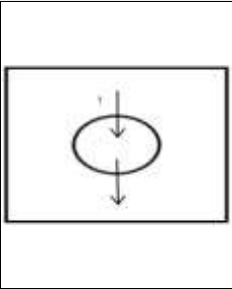
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
**Outlet**

	<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)	10				
Pipe Material	VC				
Pipe Seal Condition	Sound				

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	10
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2580**

Inspection Date: **9/17/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **11:32:00 AM**

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: **No** Drop Location: **N/A** Drop Material: **N/A**

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

Debris: **No**

*If Debris, Comments:*

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b><u>Cast Iron</u></b>	<b><u>Fair</u></b>	<b><u>None</u></b>
Grade Ring:	<b><u>None</u></b>		
Chimney:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Cone:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Walls:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Bench:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Channel:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Pipe Connection:			<b><u>None</u></b>
Cover:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>Sheet Flow</u></b>
Cover Type:	<b><u>Vented</u></b>		Cover Diameter (in): <b><u>26</u></b>
Quantity of Cover Holes:	<b><u>6</u></b>		Cover Hole Diameter (in): <b><u>1</u></b>
Cover Elevation:	<b><u>At Grade</u></b>		Cover Fit: <b><u>Good</u></b>

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

## **Pipe Data**

### **Inlets**

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b><u>12</u></b>				
Diameter (inches)	<b><u>10</u></b>				
Pipe Material	<b><u>VC</u></b>				
Pipe Seal Condition	<b><u>Sound</u></b>				

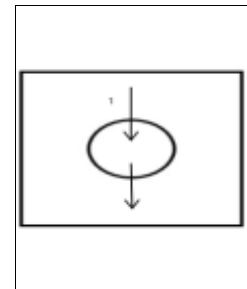
### **Outlets**

	<u>Outlet 1</u>
Clock Position	<b><u>6</u></b>
Diameter (inches)	<b><u>10</u></b>
Pipe Material	<b><u>VC</u></b>
Pipe Seal Condition	<b><u>Sound</u></b>

## **Comments**

**Crack going down frame at 6 o'clock**

## **Plan View**



Outlet ↓

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2581**

Inspection Date: **9/17/2020 4:00:00 PM**  
Inspection Time: **10:53:00 AM**  
Location: **Yard**  
Surface Type: **Grass**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Hansen Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **External** Drop Material: **VC**  
Location: **Grass** Drop Condition: **VC**  
Debris: **No**  
*If Debris, Comments:*  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady**  
Steps: Present: **Yes** Condition: **Good**  
Quantity of Cover Holes: **14**  
Cover Elevation: **At Grade**  
Material: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Grade Ring: **None**  
Chimney: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Cone: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Walls: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **Staining**  
Bench: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Channel: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** Condition: **Good** Sheet Flow: **None**  
Cover Type: **Vented** Cover Diameter (in): **32**  
Cover Hole Diameter (in): **1**  
Cover Fit: **Good**

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	12	12			
Diameter (inches)	10	10			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

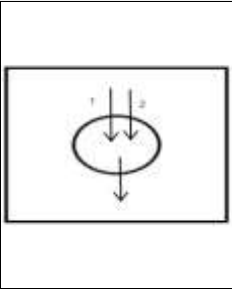
**Outlets**  

	Outlet 1
Clock Position	6
Diameter (inches)	12
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

Inlet 1 to 2 is a drop

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2583**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **1:33:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Gardner Rd**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

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

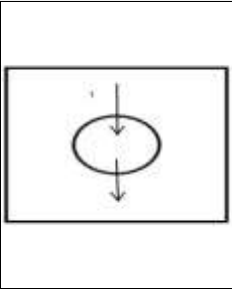
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12				
Diameter (inches)	6				
Pipe Material	PVC				
Pipe Seal Condition	Sound				

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	PVC
Pipe Seal Condition	Sound

Comments

**No flow in channel**

Plan View



Outlet ↓

# MANHOLE INSPECTION LOG

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

	<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

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

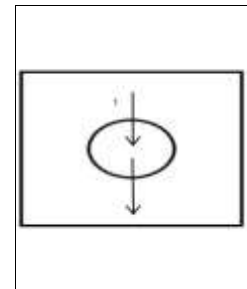
## Comments

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Solid with Pickholes</b>		
Cover Diameter (in):	<b>26</b>		
Quantity of Cover Holes:	<b>2</b>		
Cover Hole Diameter (in):	<b>1</b>		
Cover Elevation:	<b>At Grade</b>		
Cover Fit:		<b>Good</b>	

If Inflow, Drainage Area to Cover (SF):

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

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2586**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **2:54:00 PM**

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** Fair **None**

Grade Ring: **None**

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

Cone: **Precast Concrete** **Good** **Staining**

Walls: **Precast Concrete** **Good** **None**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

	<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				

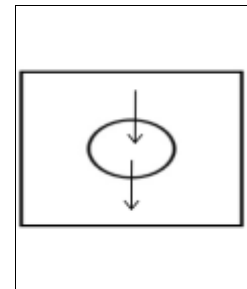
### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

Small crack on chinmey at 12 oclock and riser at 6 oclock

## Plan View



Outlet ↓

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **Yes**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

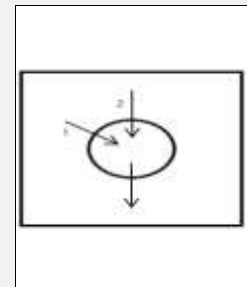
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	10	12			
Diameter (inches)	8	8			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Fair			

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

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

## Plan View



Outlet



## Comments

**Roots growing aroujd 12 oclock inlet and wall above outlet**

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2588**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **10:35:00 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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection:

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

Steps:

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

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

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

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

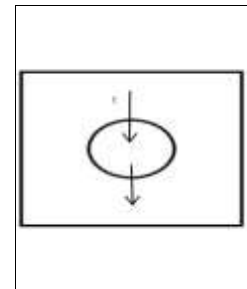
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

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

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet 

## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2590**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **1:39:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Michael Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

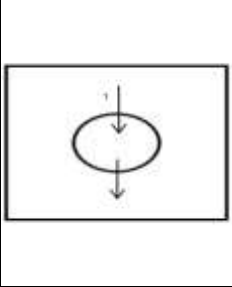
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

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



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2591**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **1:31:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Michael Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>Yes</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>5% sediment in channel</b>				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:		Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>2</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

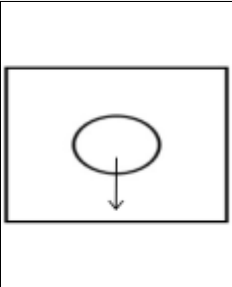
Inlets	Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5

Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

Outlets	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Comments  
**No Flow. Starter.**

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2592**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **10:11:00 AM**

Street: **Brent 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: **No**

*If Debris, Comments:*

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Grade Ring:	<b><u>None</u></b>		
Chimney:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Cone:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Walls:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Bench:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Channel:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Pipe Connection:			<b><u>None</u></b>
Cover:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>Sheet Flow</u></b>
Cover Type:	<b><u>Vented</u></b>		Cover Diameter (in): <b><u>26</u></b>
Quantity of Cover Holes:	<b><u>2</u></b>		Cover Hole Diameter (in): <b><u>1</u></b>
Cover Elevation:	<b><u>At Grade</u></b>		Cover Fit: <b><u>Good</u></b>

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

## **Pipe Data**

### **Inlets**

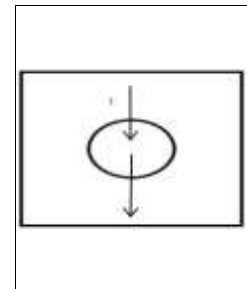
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b><u>12</u></b>				
Diameter (inches)	<b><u>8</u></b>				
Pipe Material	<b><u>VC</u></b>				
Pipe Seal Condition	<b><u>Sound</u></b>				

### **Outlets**

	<u>Outlet 1</u>
Clock Position	<b><u>6</u></b>
Diameter (inches)	<b><u>8</u></b>
Pipe Material	<b><u>VC</u></b>
Pipe Seal Condition	<b><u>Sound</u></b>

## **Comments**

### **Plan View**



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2594**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Cross 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: **No**

If Debris, Comments:

**null**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

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

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Brick** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

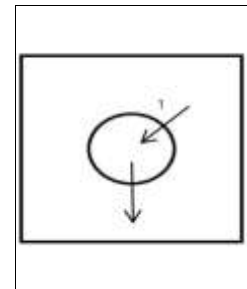
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	2				
Diameter (inches)	8				
Pipe Material	VC				
Pipe Seal Condition	Sound				

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

### Plan View



Outlet

Inspector: **Jonathan Sano**

SDE, Inc.

## Vernon, Connecticut

Manhole ID: **MH2595****Sewer Shed: V19**

Street: **Cross Dr**

Manhole Size (in): **48**

Inspection Status: **Inspected**

Weather: **Dry - No Rain**

## Manhole Observations

Drop Material: N/A

Drop Condition: N/A

Inflow/Infiltration (GPM)

None

None

None

## Staining

## Staining

None

None

## Sheet Flow

Cover Diameter (in): 24Cover Hole Diameter (in): 1

Cover Fit: Good

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

### Pipe Data

Channel Exposure:

Channel Exposure:

Inlet 5

1

8

VC

## Sound

## Outlets

### Outlet 1

6

8

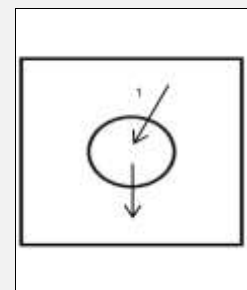
VC

## Sound

## Comments

**5" break on top of frame at 1 oclock.**

### Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2597**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Scott Dr**

Location: **Roadway**

Manhole Size (in): **48**

Surface Type: **Asphalt**

Inspection Status: **Inspected**

Manhole Use: **Sanitary**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>				
Debris:	<b>No</b>			Material	Condition	Inflow/Infiltration (GPM)	
If Debris, Comments:		Frame:	<b>Cast Iron</b>		<b>Good</b>	<b>None</b>	
<b>null</b>		Grade Ring:	<b>None</b>				
		Chimney:	<b>Brick</b>		<b>Good</b>	<b>None</b>	
		Cone:	<b>Precast Concrete</b>		<b>Good</b>	<b>None</b>	
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>	<b>Staining</b>	
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>	<b>None</b>	
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>	<b>None</b>	
Flow Conditions:		Pipe Connection:				<b>None</b>	
		Cover:	<b>Cast Iron</b>		<b>Good</b>	<b>Sheet Flow</b>	
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in): <b>24</b>	
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>3</b>			Cover Hole Diameter (in): <b>1</b>	
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

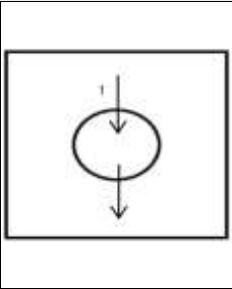
		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
<b>Inlets</b>					
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>

Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

<b>Outlets</b>	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**Plan View**



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2647**

Inspection Date: **9/22/2020 4:00:00 PM**  
Inspection Time: **9:38:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V27**  
Street: **Hartford Tpke**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **Yes**  
*If Debris, Comments:*  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **None**  
Steps: **Present: Yes**  
Condition: **Good**  
Material: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Frame: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Grade Ring: **None**  
Chimney: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **Staining**  
Cone: **Concrete Block** Condition: **Good** Inflow/Infiltration (GPM): **Staining**  
Walls: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **Staining**  
Bench: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Channel: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** Condition: **Good** Sheet Flow: **Good**  
Cover Type: **Vented** Cover Diameter (in): **24**  
Quantity of Cover Holes: **3** Cover Hole Diameter (in): **1**  
Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

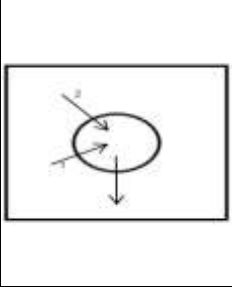
Channel Type: **Formed** Channel Exposure: **Formed**  
**Inlets**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5  
Clock Position **8** **11**  
Diameter (inches) **4** **4**  
Pipe Material **PVC** **PVC**  
Pipe Seal Condition **Sound** **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **6**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

Standing water in channel.

Plan View



Outlet 

# MANHOLE INSPECTION LOG

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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Spray Concrete</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection: **None**

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**

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

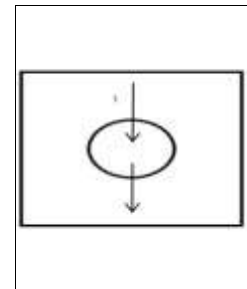
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>Lined</b>				
Pipe Seal Condition	<b>Sound</b>				

Channel Type: **insert** Channel Exposure: **insert**

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet 

## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

Cone: **Precast Concrete** **Good** **Staining**

Walls: **Precast Concrete** **Good** **Staining**

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

Channel: **Lined** **Good** **None**

Pipe Connection: **None**

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

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

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

Cover Elevation: **At Grade** Cover Fit: **Good**

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

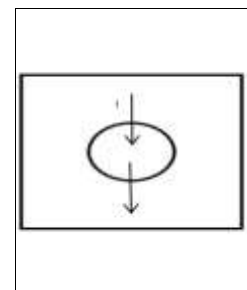
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	12				
Diameter (inches)	8				
Pipe Material	Lined				
Pipe Seal Condition	Sound				

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	Lined
Pipe Seal Condition	Sound

## Comments

### Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2651**

Inspection Date: **9/17/2020 4:00:00 PM**  
Inspection Time: **8:12:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Echo Ridge Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **Yes**  
*If Debris, Comments:*  
**5% sediment in the outlet.**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **None**  
Steps: **None**  
Present: **Yes** Quantity of Cover Holes: **5**  
Condition: **Good** Cover Elevation: **At Grade**  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **None**  
Channel: **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Cover Type: **Vented** Cover Diameter (in): **32**  
Cover Hole Diameter (in): **2**  
Cover Fit: **Good**

Pipe Data

**Inlets** Channel Type: **None** Channel Exposure: **None**  
**Inlet 1** **Inlet 2** **Inlet 3** **Inlet 4** **Inlet 5**

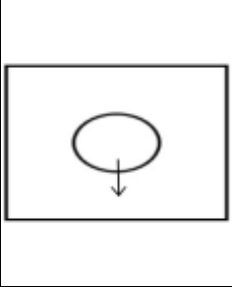
Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

**Outlets** **Outlet 1**  
Clock Position **6**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

**No channel in MH.Floor is cast in place Concrete.**

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2921**

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**

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: **Yes**

*If Debris, Comments:*

**40% of channel filled with sediment**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions:

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

Inlet 1

Inlet 2

Inlet 3

Inlet 4

Inlet 5

Clock Position

Diameter (inches)

Pipe Material

Pipe Seal Condition

### Outlets

Outlet 1

Clock Position

**6**

Diameter (inches)

**8**

Pipe Material

**VC**

Pipe Seal Condition

**Sound**

## Comments

**No flow. Starter**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Grade Ring:	<b><u>None</u></b>		
Chimney:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Cone:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Walls:	<b><u>Precast Concrete</u></b>	<b><u>Good</u></b>	<b><u>Staining</u></b>
Bench:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Channel:	<b><u>Brick</u></b>	<b><u>Good</u></b>	<b><u>None</u></b>
Pipe Connection:			<b><u>None</u></b>
Cover:	<b><u>Cast Iron</u></b>	<b><u>Good</u></b>	<b><u>Sheet Flow</u></b>

Cover Type: **Solid with Pickholes** Cover Diameter (in): **32**

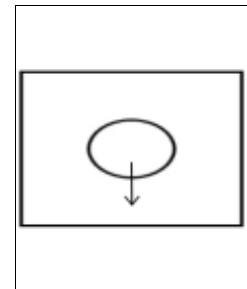
Quantity of Cover Holes: **3** Cover Hole Diameter (in): **1**

Cover Elevation: **At Grade** Cover Fit: **Good**

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

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

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2922**

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**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>				
Debris:	<b>Yes</b>			Material	<b>Condition</b>	<b>Inflow/Infiltration (GPM)</b>	
<i>If Debris, Comments:</i>				Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
<b>2% debris in channel</b>				Grade Ring:	<b>None</b>		
				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>No</b>			Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Brick</b>	<b>Good</b>	<b>Staining</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:				<b>None</b>	
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>6</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

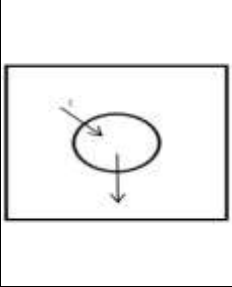
<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
				<i>If Inflow, Drainage Area to Cover (SF):</i>	

	<b>Inlet 1</b>	<b>Inlet 2</b>	<b>Inlet 3</b>	<b>Inlet 4</b>	<b>Inlet 5</b>
Clock Position	<b>10</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

	<b>Outlet 1</b>
Clock Position	<b>6</b>
Diameter (inches)	<b>15</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**Plan View**



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2924**

Inspection Date: **9/21/2020 4:00:00 PM**  
Inspection Time: **9:57:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Old Stone Rd**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** 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: **Formed** Channel Exposure: **Formed**  
**Inlets**  

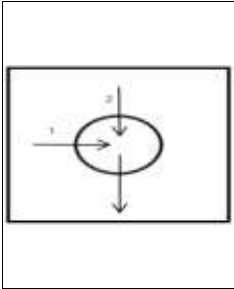
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	9	12			
Diameter (inches)	12	8			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

**Outlets**  

	Outlet 1
Clock Position	6
Diameter (inches)	12
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

Plan View



MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH2925**

Inspection Date: **9/21/2020 4:00:00 PM**  
Inspection Time: **10:08:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Old Stone Rd**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Grease Visible: **No**  
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: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **2**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

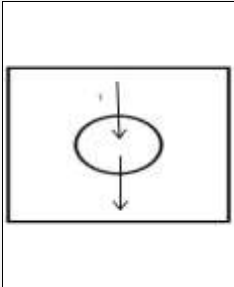
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **12**  
Diameter (inches) **12**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

**Outlets**  
Outlet 1  
Clock Position **6**  
Diameter (inches) **10**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

Comments

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH2926**

Inspection Date: **9/16/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **9:37:00 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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions:

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

	<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

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

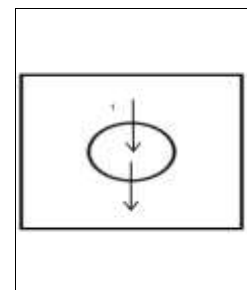
**No flow in channel**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Vented</b>		Cover Diameter (in): <b>26</b>
Quantity of Cover Holes:	<b>5</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

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

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

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: **No**

If Debris, Comments:

	Material	Condition	Inflow/Infiltration (GPM)
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Concrete Block</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Lined</b>	<b>Good</b>	<b>None</b>

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

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: **insert** Channel Exposure: **insert**

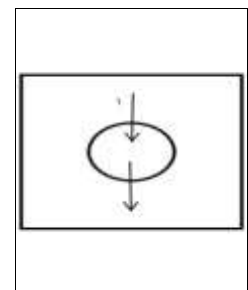
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>Lined</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>Lined</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH3097**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **8:07:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Russell Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **3** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **Below Grade** Cover Fit: **Good**

Pipe Data

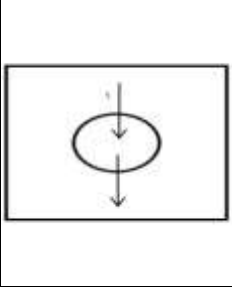
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
**Outlets**

**Inlets**  
Inlet 1  
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



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH3099**

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**

Weather: **Dry - No Rain**

## Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **Internal** Drop Material: **VC**

Location: **Asphalt** Drop Condition: **VC**

Debris: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	10	12	3	3	
Diameter (inches)	4	8	8	8	
Pipe Material	VC	VC	VC	VC	
Pipe Seal Condition	Sound	Sound	Sound		

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

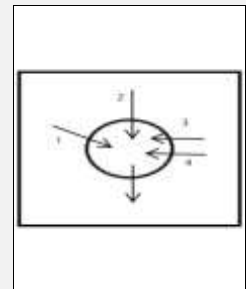
**Inlet 3 to 4 is a drop. Top of drop starting to surcharge**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Vented</b>		Cover Diameter (in): <b>26</b>
Quantity of Cover Holes:	<b>5</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>Below Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

Channel Exposure: **Formed**

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH450**

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**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>				
Debris:	<b>Yes</b>						
If Debris, Comments:				Material	Condition	Inflow/Infiltration (GPM)	
				Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
				Grade Ring:	<b>None</b>		
2% sediment in channel				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>No</b>			Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions:		Pipe Connection:				<b>None</b>	
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:			<b>Vented</b>		Cover Diameter (in): <b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>4</b>	Cover Hole Diameter (in): <b>1</b>			
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>	Cover Fit: <b>Good</b>			

**Pipe Data**

<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>

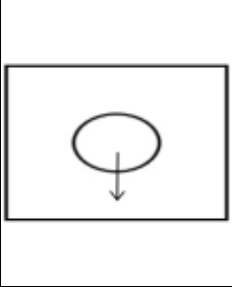
Clock Position

Diameter (inches)

Pipe Material

Pipe Seal Condition

**Plan View**



Outlet



**Outlets**

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**No flow. Starter**

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH451**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **8:34:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Russell Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **2** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **Below Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

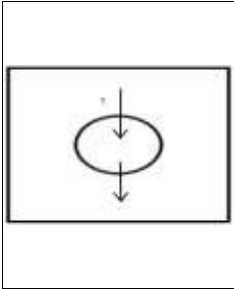
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

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



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH453**

Inspection Date: **9/15/2020 4:00:00 PM**

Sewer Shed: **V19**

Inspection Time: **8:52:00 AM**

Street: **Brent 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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type:	<b>Vented</b>		Cover Diameter (in): <b>26</b>
Quantity of Cover Holes:	<b>6</b>		Cover Hole Diameter (in): <b>1</b>
Cover Elevation:	<b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

## Pipe Data

### Inlets

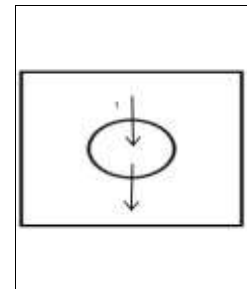
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Comments

### Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH455**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Cross Dr**

Location: **Roadway**

Manhole Size (in): **48**

Surface Type: **Asphalt**

Inspection Status: **Inspected**

Manhole Use: **Sanitary**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>External</b>	Drop Material:	<b>VC</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>VC</b>	Material		Condition	<b>Inflow/Infiltration (GPM)</b>
Debris:	<b>No</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>null</b>				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>24</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>3</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
	<b>Inlet 1</b>	<b>Inlet 2</b>	<b>Inlet 3</b>	<b>Inlet 4</b>	<b>Inlet 5</b>

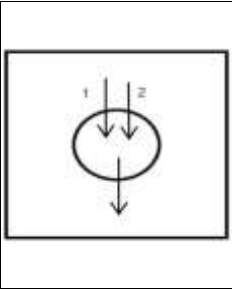
Clock Position	<b>12</b>	<b>12</b>
Diameter (inches)	<b>8</b>	<b>8</b>
Pipe Material	<b>VC</b>	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>

<b>Outlets</b>		<b>Outlet 1</b>
Clock Position	<b>6</b>	
Diameter (inches)	<b>8</b>	
Pipe Material	<b>VC</b>	
Pipe Seal Condition	<b>Sound</b>	

**Comments**

**Inlet 1 to 2 is a drop.**

**Plan View**



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH488**

Inspection Date: **9/22/2020 4:00:00 PM** Sewer Shed: **V27**  
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** 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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Poor** **0.1**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **None**  
Steps: Cover Type: **Bolted** Cover Diameter (in): **32**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **0.5**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

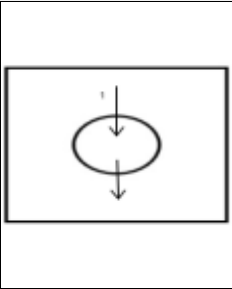
**Pipe Data**  
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
*If Inflow, Drainage Area to Cover (SF):*

	<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)	18				
Pipe Material	VC				
Pipe Seal Condition	poor				

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	18
Pipe Material	VC
Pipe Seal Condition	Sound

**Comments**  
**Weeper at banch at 9 and 11 o'clock. Runner at inlet seal**

Plan View



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH489**

Inspection Date: **9/22/2020 4:00:00 PM**

Sewer Shed: **V27**

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**

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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>		

Cone: **Precast Concrete** **Good** **Staining**

Grease Visible: **No** Walls: **Precast Concrete** **Poor** **0.05**

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

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

Flow Conditions: **Steady** Pipe Connection: **None**

Cover: **Cast Iron** **Good** **None**

Steps: Cover Type: **Bolted** Cover Diameter (in): **32**

Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **0.5**

Condition: **Good** Cover Elevation: **Above Grade** Cover Fit: **Good**

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

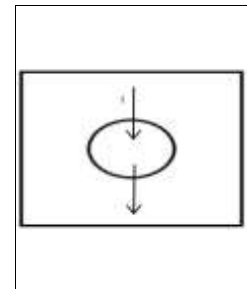
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>				
Diameter (inches)	<b>18</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

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

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>18</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet



## Comments

Weeper on wall at 1 o'clock.

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH842**

Inspection Date: **9/17/2020 4:00:00 PM**  
Inspection Time: **12:13:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Hansen Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>Yes</b>	Frame:	<b>Cast Iron</b>		<b>Fair</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>5% sediment in channel</b>				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:		Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>26</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>6</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

Pipe Data

Inlets	Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>	
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5

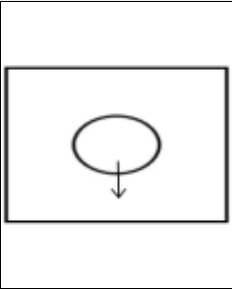
Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	Outlet 1
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

Comments

**Crack on frame at 9 o'clock**

Plan View



Outlet ↓

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH843**

Inspection Date: **9/17/2020 4:00:00 PM**  
Inspection Time: **10:38:00 AM**  
Location: **Yard**  
Surface Type: **Grass**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Hansen Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

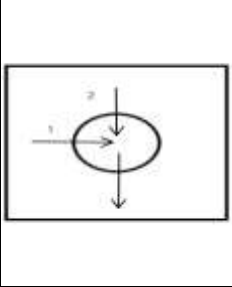
Channel Type: **Formed** Channel Exposure: **Formed**  
**Inlets**  

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	9	12			
Diameter (inches)	10	10			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

**Outlets**  

	Outlet 1
Clock Position	6
Diameter (inches)	10
Pipe Material	VC
Pipe Seal Condition	Sound

Plan View



Comments

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH845**

Inspection Date: **9/17/2020 4:00:00 PM**

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**

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: **No**

If Debris, Comments:

Material Condition Inflow/Infiltration (GPM)

Frame: **Cast Iron** **Good** **None**

Grade Ring: **None**

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

Cone: **Precast Concrete** **Good** **Staining**

Walls: **Precast Concrete** **Good** **None**

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

Channel: **Brick** **Good** **None**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection: **None**

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

Steps:

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

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

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

## Pipe Data

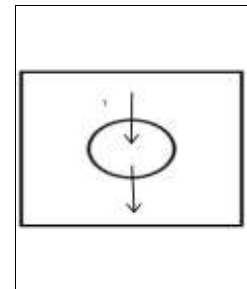
If Inflow, Drainage Area to Cover (SF):

### Inlets

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				

### Plan View



Outlet 

### Outlets

	<u>Outlet 1</u>
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH847**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **10:51:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Echo Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **None**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
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

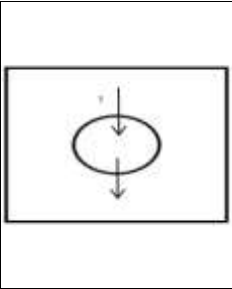
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

Clock Position **12**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

**Outlets** Outlet 1  
Clock Position **6**  
Diameter (inches) **8**  
Pipe Material **PVC**  
Pipe Seal Condition **Sound**

Comments

Plan View



Outlet ↓

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH848**

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**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>	Material		Condition	Inflow/Infiltration (GPM)
Debris:	<b>No</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:		Grade Ring:	<b>None</b>				
		Chimney:	<b>Concrete Block</b>		<b>Good</b>		<b>None</b>
		Cone:	<b>Precast Concrete</b>		<b>Good</b>		<b>None</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
		Cover:	<b>Cast Iron</b>		<b>Good</b>		<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>32</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>5</b>			Cover Hole Diameter (in):	<b>2</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
If Inflow, Drainage Area to Cover (SF):			

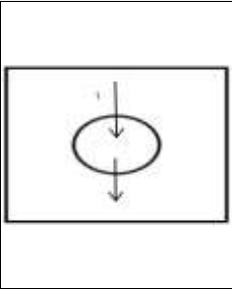
Inlets	
Inlet 1	
Clock Position	<b>12</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

Outlets	
Outlet 1	
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>PVC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**Hole in cone at 5 o'clock with staining underneath.**

**Plan View**



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH849**

Inspection Date: **9/16/2020 4:00:00 PM**

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**

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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>Concrete Block</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Pipe Connection: **None**

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): **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**

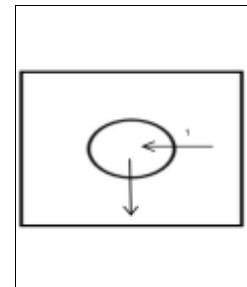
### Inlets

	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>3</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

## Plan View



Outlet

## Comments

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH850**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **2:04:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Hansen Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **External** Drop Material: **VC**  
Location: **Asphalt** Drop Condition: **VC**  
Debris: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Concrete Block** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **None**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **6** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **At Grade** Cover Fit: **Good**

Pipe Data

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

	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	12	12			
Diameter (inches)	8	8			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

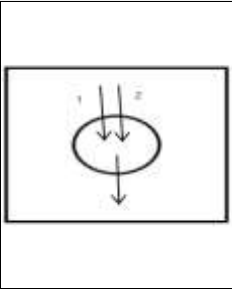
**Outlets**  

	Outlet 1
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

Inlets 1 to 2 is a drop

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH853**

Inspection Date: **9/15/2020 4:00:00 PM**  
Inspection Time: **2:39:00 PM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Michael Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **Yes**  
*If Debris, Comments:*  
**2% sediment in channel**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **None**  
Steps: **Present: Yes**  
Condition: **Good**  
Material: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Frame: **Cast Iron** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Grade Ring: **None**  
Chimney: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Cone: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **Staining**  
Walls: **Precast Concrete** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Bench: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Channel: **Brick** Condition: **Good** Inflow/Infiltration (GPM): **None**  
Pipe Connection: **None**  
Cover: **Cast Iron** Condition: **Good** Sheet Flow: **Good**  
Cover Type: **Vented** Cover Diameter (in): **26**  
Quantity of Cover Holes: **4** Cover Hole Diameter (in): **1**  
Cover Elevation: **At Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

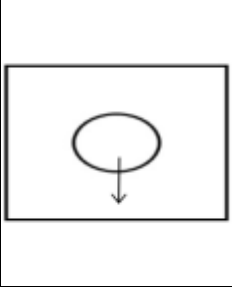
**Inlets** Channel Type: **Formed** Channel Exposure: **Formed**  
**Inlet 1** **Inlet 2** **Inlet 3** **Inlet 4** **Inlet 5**

Clock Position  
Diameter (inches)  
Pipe Material  
Pipe Seal Condition

**Outlets** **Outlet 1**  
Clock Position **6**  
Diameter (inches) **8**  
Pipe Material **VC**  
Pipe Seal Condition **Sound**

**Comments**  
**No flow. Starter**

Plan View



Outlet

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH854**

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**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>No</b>	Drop Location:	<b>N/A</b>	Drop Material:	<b>N/A</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>N/A</b>				
Debris:	<b>No</b>			Material	<b>Condition</b>	<b>Inflow/Infiltration (GPM)</b>	
If Debris, Comments:				Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
				Grade Ring:	<b>None</b>		
				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Grease Visible:	<b>No</b>			Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Roots Evident:	<b>No</b>			Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence:	<b>None</b>			Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions:		Pipe Connection:				<b>None</b>	
		Cover:		<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>	
Steps:		Cover Type:		<b>Vented</b>		Cover Diameter (in): <b>26</b>	
	Present: <b>Yes</b>	Quantity of Cover Holes:		<b>3</b>		Cover Hole Diameter (in): <b>1</b>	
	Condition: <b>Good</b>	Cover Elevation:		<b>At Grade</b>		Cover Fit:	<b>Good</b>

**Pipe Data**

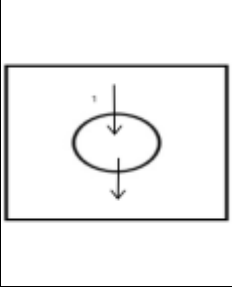
<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
				If Inflow, Drainage Area to Cover (SF):	

	<b>Inlet 1</b>	<b>Inlet 2</b>	<b>Inlet 3</b>	<b>Inlet 4</b>	<b>Inlet 5</b>
Clock Position	<b>12</b>				
Diameter (inches)	<b>8</b>				
Pipe Material	<b>VC</b>				
Pipe Seal Condition	<b>Sound</b>				

<b>Outlets</b>		<b>Outlet 1</b>
Clock Position	<b>6</b>	
Diameter (inches)	<b>8</b>	
Pipe Material	<b>VC</b>	
Pipe Seal Condition	<b>Sound</b>	

**Comments**  
**No flow in channel.**

**Plan View**



Outlet

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH857**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Lynn 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: **Yes**

*If Debris, Comments:*

**10% debris in channel**

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions:

Steps:

Present: **Yes**

Condition: **Good**

## Pipe Data

### Inlets

Inlet 1

Inlet 2

Inlet 3

Inlet 4

Inlet 5

Clock Position

Diameter (inches)

Pipe Material

Pipe Seal Condition

### Outlets

Outlet 1

Clock Position

**6**

Diameter (inches)

**8**

Pipe Material

**VC**

Pipe Seal Condition

**Sound**

## Comments

**No flow. Starter**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		
Chimney:	<b>None</b>	<b>Good</b>	<b>None</b>
Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:			<b>None</b>
Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>

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

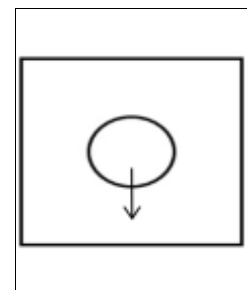
Quantity of Cover Holes: **2** Cover Hole Diameter (in): **1**

Cover Elevation: **At Grade** Cover Fit: **Good**

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

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

## Plan View



Outlet



Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH859**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Jan Dr**

Location: **Roadway**

Manhole Size (in): **48**

Surface Type: **Asphalt**

Inspection Status: **Inspected**

Manhole Use: **Sanitary**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>External</b>	Drop Material:	<b>VC</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>VC</b>	Material		Condition	<b>Inflow/Infiltration (GPM)</b>
Debris:	<b>No</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>null</b>				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible: <b>No</b>				Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Roots Evident: <b>No</b>				Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Surcharge Evidence: <b>None</b>				Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
Flow Conditions: <b>Steady</b>				Pipe Connection:			<b>None</b>
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:				Cover Type:	<b>Vented</b>	Cover Diameter (in):	<b>24</b>
Present: <b>Yes</b>				Quantity of Cover Holes:	<b>3</b>	Cover Hole Diameter (in):	<b>1</b>
Condition: <b>Good</b>				Cover Elevation:	<b>At Grade</b>	Cover Fit:	<b>Good</b>

**Pipe Data**

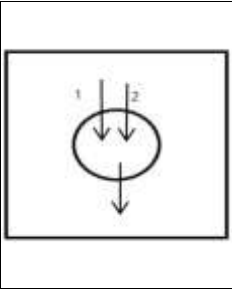
<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
				If Inflow, Drainage Area to Cover (SF):	
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>12</b>	<b>12</b>			
Diameter (inches)	<b>8</b>	<b>8</b>			
Pipe Material	<b>VC</b>	<b>VC</b>			
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>			

<b>Outlets</b>	
	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

Inlets 1 to 2 are a drop

**Plan View**



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH860**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Jan 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**

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
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Debris: **Yes**

Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
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If Debris, Comments:

Grade Ring:	<b>None</b>		
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**5% sediment in channel**

Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Grease Visible: **No**

Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions:

Pipe Connection:		<b>None</b>	
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Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

Cover Type:	<b>Vented</b>	Cover Diameter (in): <b>24</b>
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Present: <b>Yes</b>	Quantity of Cover Holes: <b>3</b>	Cover Hole Diameter (in): <b>1</b>
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Condition: <b>Good</b>	Cover Elevation: <b>At Grade</b>	Cover Fit: <b>Good</b>
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**Pipe Data**

Channel Type:	<b>Formed</b>	Channel Exposure: <b>Formed</b>
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**Inlets**

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

Diameter (inches)

Pipe Material

Pipe Seal Condition

**Outlets**

<u>Outlet 1</u>
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Clock Position **6**

Diameter (inches) **8**

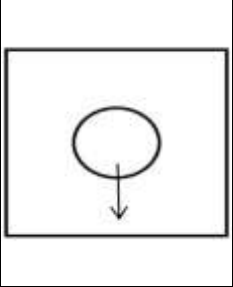
Pipe Material **VC**

Pipe Seal Condition **Sound**

**Comments**

**No flow. Starter.**

**Plan View**



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH861**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Scott Dr**

Location: **Roadway**

Manhole Size (in): **48**

Surface Type: **Asphalt**

Inspection Status: **Inspected**

Manhole Use: **Sanitary**

Weather: **Dry - No Rain**

**Manhole Observations**

Pre-Cleaning:	<b>None</b>	Drop Present:	<b>Yes</b>	Drop Location:	<b>External</b>	Drop Material:	<b>VC</b>
Location:	<b>Asphalt</b>	Drop Condition:	<b>VC</b>	Material		Condition	<b>Inflow/Infiltration (GPM)</b>
Debris:	<b>No</b>	Frame:	<b>Cast Iron</b>		<b>Good</b>		<b>None</b>
If Debris, Comments:				Grade Ring:	<b>None</b>		
<b>null</b>				Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
				Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
Grease Visible:	<b>No</b>	Walls:	<b>Precast Concrete</b>		<b>Good</b>		<b>Staining</b>
Roots Evident:	<b>No</b>	Bench:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Surcharge Evidence:	<b>None</b>	Channel:	<b>Brick</b>		<b>Good</b>		<b>None</b>
Flow Conditions:	<b>Steady</b>	Pipe Connection:					<b>None</b>
				Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Steps:		Cover Type:	<b>Vented</b>			Cover Diameter (in):	<b>24</b>
Present:	<b>Yes</b>	Quantity of Cover Holes:	<b>3</b>			Cover Hole Diameter (in):	<b>1</b>
Condition:	<b>Good</b>	Cover Elevation:	<b>At Grade</b>			Cover Fit:	<b>Good</b>

**Pipe Data**

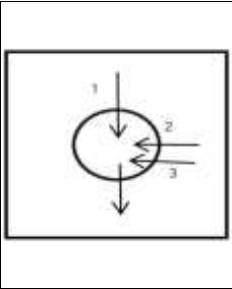
<b>Inlets</b>		Channel Type:	<b>Formed</b>	Channel Exposure:	<b>Formed</b>
	<b>Inlet 1</b>	<b>Inlet 2</b>	<b>Inlet 3</b>	<b>Inlet 4</b>	<b>Inlet 5</b>
Clock Position	<b>12</b>	<b>3</b>	<b>3</b>		
Diameter (inches)	<b>8</b>	<b>8</b>	<b>8</b>		
Pipe Material	<b>VC</b>	<b>VC</b>	<b>VC</b>		
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>	<b>Sound</b>		

<b>Outlets</b>	
	<b>Outlet 1</b>
Clock Position	<b>6</b>
Diameter (inches)	<b>8</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

**Comments**

**Inlet 2 to 3 is a drop**

**Plan View**



Outlet

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH873**

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**

Weather: **Dry - No Rain**

Manhole Observations

Pre-Cleaning: **None** Drop Present: **Yes** Drop Location: **Internal** Drop Material: **pvc**

Location: **Asphalt** Drop Condition: **pvc**

Debris: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Pipe Data

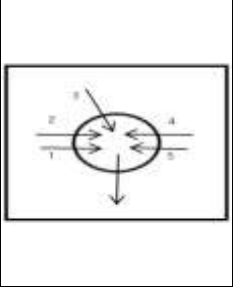
Inlets		Channel Type: <b>Formed</b>			Channel Exposure: <b>Formed</b>
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	9	9	11	3	3
Diameter (inches)	8	8	12	8	8
Pipe Material	VC	PVC	VC	VC	PVC
Pipe Seal Condition	Sound		Sound	Sound	Sound

Outlets	
	Outlet 1
Clock Position	6
Diameter (inches)	8
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

**Inlet 1 to 2 and 4 to 5 are a drop**

Plan View



Outlet 

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH939**

Inspection Date: **9/22/2020 4:00:00 PM**

Sewer Shed: **V27**

Inspection Time: **8:24:00 AM**

Street: **Kelly 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: **No**

If Debris, Comments:

	<u>Material</u>	<u>Condition</u>	<u>Inflow/Infiltration (GPM)</u>
Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring:	<b>None</b>		

Chimney:	<b>Concrete Block</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Concrete Block</b>	<b>Good</b>	<b>None</b>
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Grease Visible: **No**

Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady**

Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

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

Present: **Yes** Quantity of Cover Holes: **14** Cover Hole Diameter (in): **2**

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

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

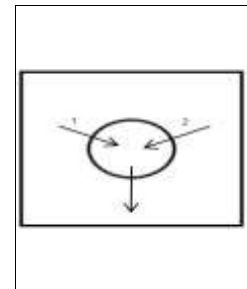
	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
Clock Position	<b>10</b>	<b>2</b>			
Diameter (inches)	<b>6</b>	<b>12</b>			
Pipe Material	<b>VC</b>	<b>VC</b>			
Pipe Seal Condition	<b>Sound</b>	<b>Sound</b>			

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

### Outlets

	<u>Outlet 1</u>
Clock Position	<b>6</b>
Diameter (inches)	<b>18</b>
Pipe Material	<b>VC</b>
Pipe Seal Condition	<b>Sound</b>

### Plan View



Outlet



## Comments

Potential Infiltration from bench at 7 o'clock.

Inspector: **Jonathan Sano**

SDE, Inc.

# MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH940**

Inspection Date: **9/22/2020 4:00:00 PM**

Sewer Shed: **V27**

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**

Weather: **Dry - No Rain**

## Manhole Observations

Pre-Cleaning: **None**

Drop Present: **No**

Drop Location: **N/A**

Drop Material: **N/A**

Location: **Dirt**

Drop Condition: **N/A**

Debris: **No**

If Debris, Comments:

Material

Condition

Inflow/Infiltration (GPM)

Frame: **Cast Iron**

**Good**

**None**

Grade Ring: **None**

Chimney: **None**

Cone: **Precast Concrete**

**Fair**

**None**

Walls: **Precast Concrete**

**Fair**

**None**

Bench: **Unknown**

**Poor**

**1**

Channel: **Brick**

**Good**

**None**

Flow Conditions: **Steady**

Pipe Connection:

**None**

Cover: **Cast Iron**

**Good**

**None**

Steps:

Cover Type: **Bolted**

Cover Diameter (in): **32**

Present: **Yes**

Quantity of Cover Holes: **6**

Cover Hole Diameter (in): **0.5**

Condition: **Good**

Cover Elevation: **Above Grade**

Cover Fit: **Good**

## Pipe Data

If Inflow, Drainage Area to Cover (SF):

### Inlets

Channel Type: **Formed**

Channel Exposure: **Formed**

Inlet 1

Inlet 2

Inlet 3

Inlet 4

Inlet 5

Clock Position: **1**

Diameter (inches): **18**

Pipe Material: **VC**

Pipe Seal Condition: **Sound**

### Outlets

Outlet 1

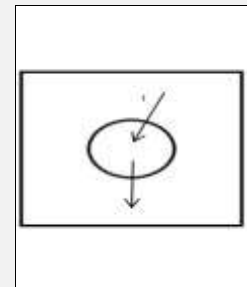
Clock Position: **6**

Diameter (inches): **18**

Pipe Material: **VC**

Pipe Seal Condition: **Sound**

## Plan View



Outlet



## Comments

Roots all around top of cone

Inspector: **Jonathan Sano**

SDE, Inc.

MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **SDE 02**

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**

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: **No**

If Debris, Comments:

Grease Visible: **No**

Roots Evident: **No**

Surcharge Evidence: **None**

Flow Conditions: **Steady**

Steps:

Present: **Yes**

Condition: **Good**

Pipe Data

	Channel Type: <b>Formed</b>				
	Inlet 1	Inlet 2	Inlet 3	Inlet 4	Inlet 5
Clock Position	11	12			
Diameter (inches)	8	18			
Pipe Material	VC	VC			
Pipe Seal Condition	Sound	Sound			

Outlets	
	Outlet 1
Clock Position	6
Diameter (inches)	18
Pipe Material	VC
Pipe Seal Condition	Sound

Comments

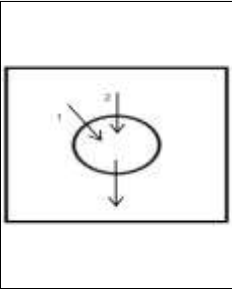
**Inlet at 11 o'clock is clogging.**

Material	Condition	Inflow/Infiltration (GPM)
Frame: <b>Cast Iron</b>	<b>Good</b>	<b>None</b>
Grade Ring: <b>None</b>		
Chimney: <b>Brick</b>	<b>Good</b>	<b>Staining</b>
Cone: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Walls: <b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
Bench: <b>Brick</b>	<b>Good</b>	<b>None</b>
Channel: <b>Brick</b>	<b>Good</b>	<b>None</b>
Pipe Connection:		<b>None</b>
Cover: <b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
Cover Type: <b>Vented</b>		Cover Diameter (in): <b>32</b>
Quantity of Cover Holes: <b>3</b>		Cover Hole Diameter (in): <b>2</b>
Cover Elevation: <b>At Grade</b>		Cover Fit: <b>Good</b>

If Inflow, Drainage Area to Cover (SF):

Channel Exposure: **Formed**

Plan View



Outlet 



# MANHOLE INSPECTION FORM

<b>Inspection Date:</b>	<input type="text"/>	<b>Manhole ID:</b>	<input type="text"/>	<b>Pre-Cleaning:</b>	<input type="checkbox"/>
<b>Inspected By:</b>	<input type="text"/>	<b>Sewershed Area:</b>	<input type="text"/>	Heavy	<input type="checkbox"/>
<b>Project:</b>	<input type="text"/>	<b>Street:</b>	<input type="text"/>	Light	<input type="checkbox"/>
<b>Owner:</b>	<input type="text"/>	<b>City:</b>	<input type="text"/>	None	<input type="checkbox"/>

<b>Weather:</b>	Dry - No Rain <input type="checkbox"/>	Light Rain <input type="checkbox"/>	Dry - Wet Ground <input type="checkbox"/>	Heavy Rain <input type="checkbox"/>
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MH DETAILS				
	<u>Location:</u>	<u>Surface Type:</u>	<u>Inflow Potential:</u>	<u>Use:</u>
Roadway <input type="checkbox"/>	Field <input type="checkbox"/>	Asphalt <input type="checkbox"/>	None <input type="checkbox"/>	Combined <input type="checkbox"/>
Sidewalk <input type="checkbox"/>	Ditch <input type="checkbox"/>	Concrete <input type="checkbox"/>	Sheeting <input type="checkbox"/>	Force Main <input type="checkbox"/>
Parking Lot <input type="checkbox"/>	Wooded <input type="checkbox"/>	Grass/Dirt <input type="checkbox"/>	Ponding <input type="checkbox"/>	Sanitary <input type="checkbox"/>
Alley <input type="checkbox"/>	Gravel <input type="checkbox"/>	Gravel <input type="checkbox"/>	Inundated <input type="checkbox"/>	Stormwater <input type="checkbox"/>
Easement <input type="checkbox"/>	Creek <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>
Yard <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>			Other (see NOTES) <input type="checkbox"/>

MH COVER				
<u>Cover Type:</u>	<u>Cover Fit:</u>	<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted <input type="checkbox"/>	Good <input type="checkbox"/>	Cracked <input type="checkbox"/>	24" <input type="checkbox"/>	
Gasketed <input type="checkbox"/>	Oversized <input type="checkbox"/>	Corroded <input type="checkbox"/>	30" <input type="checkbox"/>	
Solid (w/ pickholes) <input type="checkbox"/>	Loose <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	
Vented <input type="checkbox"/>	Undersized <input type="checkbox"/>	Broken <input type="checkbox"/>		
Inner <input type="checkbox"/>	Missing <input type="checkbox"/>			
Other (see NOTES) <input type="checkbox"/>				

MH FRAME & RING			MH RUNGS	
<u>Frame Condition:</u>	<u>Ring Type:</u>	<u>Ring Condition:</u>	<u>Rung Material:</u>	<u>Rung Condition:</u>
Cracked or Broken <input type="checkbox"/>	Adjustable <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Corroded <input type="checkbox"/>	None <input type="checkbox"/>	Broken <input type="checkbox"/>	Metal <input type="checkbox"/>	Unsafe <input type="checkbox"/>
Serviceable <input type="checkbox"/>	Solid <input type="checkbox"/>	Corroded <input type="checkbox"/>	Plastic <input type="checkbox"/>	Missing (No.) <input type="checkbox"/>
Off Grade <input type="checkbox"/>		Cracked <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>
Leaking <input type="checkbox"/>		Leaking <input type="checkbox"/>		No Rungs <input type="checkbox"/>
Misaligned <input type="checkbox"/>		Poor Installation <input type="checkbox"/>		

MH CHIMNEY & CONE				
<u>Chimney Material:</u>	<u>Chimney Condition:</u>	<u>Cone Type:</u>	<u>Cone Material:</u>	<u>Cone Condition:</u>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Conical Centric <input type="checkbox"/>	Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Missing Mortar <input type="checkbox"/>	Connical Off Center <input type="checkbox"/>	Precast <input type="checkbox"/>	Missing Mortar <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Broken <input type="checkbox"/>	Flat Top <input type="checkbox"/>	Cast in Place <input type="checkbox"/>	Broken <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Roots <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Staining <input type="checkbox"/>
	Leaking <input type="checkbox"/>			Roots <input type="checkbox"/>
				Leaking <input type="checkbox"/>

MH DROP CONNECTION			
<u>Drop Present:</u>	<u>Drop Location:</u>	<u>Drop Material:</u>	<u>Drop Condition:</u>
No <input type="checkbox"/>	Internal <input type="checkbox"/>	PVC <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Yes (see NOTES) <input type="checkbox"/>	External <input type="checkbox"/>	VC <input type="checkbox"/>	Broken <input type="checkbox"/>
		Steel <input type="checkbox"/>	Unknown <input type="checkbox"/>
		Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>

MH BARREL			
<b><u>Barrel Material:</u></b>	<b><u>Barrel Diameter:</u></b>	<b><u>Barrel Condition:</u></b>	
Brick <input type="checkbox"/>	48" <input type="checkbox"/>	Serviceable <input type="checkbox"/>	
Precast <input type="checkbox"/>	60" <input type="checkbox"/>	Broken <input type="checkbox"/>	
Cast in Place <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>	
Other (see NOTES) <input type="checkbox"/>		Staining <input type="checkbox"/>	
		Roots <input type="checkbox"/>	
		Other (see NOTES) <input type="checkbox"/>	

MH BENCH	
<b><u>Bench Material:</u></b>	<b><u>Bench Condition:</u></b>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Damaged <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Dirty <input type="checkbox"/>
Clay Tile <input type="checkbox"/>	Corroded <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Bad Base Joint <input type="checkbox"/>

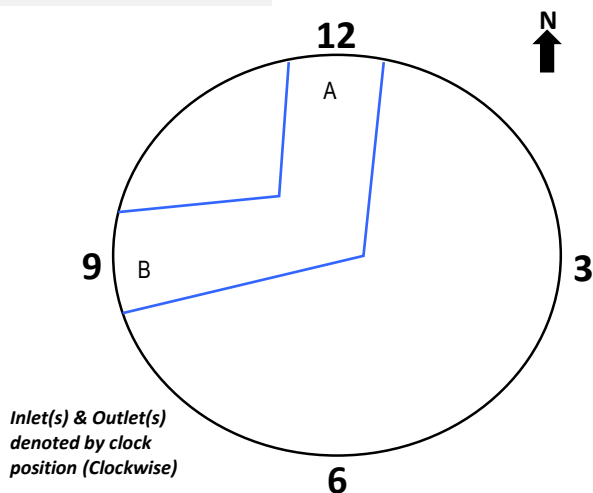
MH CHANNEL			
<b><u>Channel Material:</u></b>	<b><u>Channel Type:</u></b>	<b><u>Channel Exposure:</u></b>	<b><u>Channel Condition:</u></b>
Brick <input type="checkbox"/>	Formed <input type="checkbox"/>	Closed <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Insert <input type="checkbox"/>	Fully Open <input type="checkbox"/>	Obstructed <input type="checkbox"/>
PVC <input type="checkbox"/>	None <input type="checkbox"/>	Partially Open <input type="checkbox"/>	Roots <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Pipe <input type="checkbox"/>		Silt/Debris <input type="checkbox"/>
VC <input type="checkbox"/>	Precast <input type="checkbox"/>		Bad Joints <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>		Damaged <input type="checkbox"/>

MH HYDRAULICS				
<b><u>Evidence of Surge:</u></b>	<b><u>Issues:</u></b>	<b><u>Issue Location:</u></b>	<b><u>Flow Conditions:</u></b>	<b><u>Clarity of Flow:</u></b>
None <input type="checkbox"/>	Grease <input type="checkbox"/>	Cone <input type="checkbox"/>	Steady <input type="checkbox"/>	Turbid <input type="checkbox"/>
Minor <input type="checkbox"/>	Debris <input type="checkbox"/>	Barrel <input type="checkbox"/>	Pulsing <input type="checkbox"/>	Clear <input type="checkbox"/>
Yes, Needs Followup <input type="checkbox"/>	Silt <input type="checkbox"/>	Rungs <input type="checkbox"/>	Turbulent <input type="checkbox"/>	
	Infiltration <input type="checkbox"/>	Bench <input type="checkbox"/>	Surcharging <input type="checkbox"/>	
	Other (see NOTES) <input type="checkbox"/>		Sluggish <input type="checkbox"/>	

## MH PIPE CONNECTIONS

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





# MANHOLE INSPECTION FORM

<b>Inspection Date:</b>	<input type="text"/>	<b>Manhole ID:</b>	<input type="text"/>	<b>Pre-Cleaning:</b>	
<b>Inspected By:</b>	<input type="text"/>	<b>Sewershed Area:</b>	<input type="text"/>	Heavy	<input type="checkbox"/>
<b>Project:</b>	<input type="text"/>	<b>Street:</b>	<input type="text"/>	Light	<input type="checkbox"/>
<b>Owner:</b>	<input type="text"/>	<b>City:</b>	<input type="text"/>	None	<input type="checkbox"/>

<b>Weather:</b>	Dry - No Rain <input type="checkbox"/>	Light Rain <input type="checkbox"/>	Dry - Wet Ground <input type="checkbox"/>	Heavy Rain <input type="checkbox"/>
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MH DETAILS					
	<u>Location:</u>	<u>Surface Type:</u>	<u>Inflow Potential:</u>	<u>Use:</u>	
Roadway	Field	Asphalt	None	Combined	<input type="checkbox"/>
Sidewalk	Ditch	Concrete	Sheeting	Force Main	<input type="checkbox"/>
Parking Lot	Wooded	Grass/Dirt	Ponding	Sanitary	<input type="checkbox"/>
Alley	Gravel	Gravel	Inundated	Stormwater	<input type="checkbox"/>
Easement	Creek	Other (see NOTES)	Unknown	Unknown	<input type="checkbox"/>
Yard	Other (see NOTES)			Other (see NOTES)	<input type="checkbox"/>

MH COVER				
<u>Cover Type:</u>	<u>Cover Fit:</u>	<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted	Good	Cracked	24"	<input type="checkbox"/>
Gasketed	Oversized	Corroded	30"	<input type="checkbox"/>
Solid (w/ pickholes)	Loose	Serviceable	Other (see NOTES)	<input type="checkbox"/>
Vented	Undersized	Broken		
Inner	Missing			
Other (see NOTES)				

MH FRAME & RING			MH RUNGS	
<u>Frame Condition:</u>	<u>Ring Type:</u>	<u>Ring Condition:</u>	<u>Rung Material:</u>	<u>Rung Condition:</u>
Cracked or Broken	Adjustable	Serviceable	Brick	Serviceable
Corroded	None	Broken	Metal	Unsafe
Serviceable	Solid	Corroded	Plastic	Missing (No.)
Off Grade		Cracked	Other (see NOTES)	Corroded
Leaking		Leaking		No Rungs
Misaligned		Poor Installation		

MH CHIMNEY & CONE				
<u>Chimney Material:</u>	<u>Chimney Condition:</u>	<u>Cone Type:</u>	<u>Cone Material:</u>	<u>Cone Condition:</u>
Brick	Serviceable	Conical Centric	Brick	Serviceable
Precast	Missing Mortar	Connical Off Center	Precast	Missing Mortar
Cast in Place	Broken	Flat Top	Cast in Place	Broken
Other (see NOTES)	Roots	Other (see NOTES)	Other (see NOTES)	Staining
	Leaking			Roots
				Leaking

MH DROP CONNECTION			
<u>Drop Present:</u>	<u>Drop Location:</u>	<u>Drop Material:</u>	<u>Drop Condition:</u>
No	Internal	PVC	Serviceable
Yes (see NOTES)	External	VC	Broken
		Steel	Unknown
		Other (see NOTES)	Other (see NOTES)

MH BARREL			
<b><u>Barrel Material:</u></b>	<b><u>Barrel Diameter:</u></b>	<b><u>Barrel Condition:</u></b>	
Brick <input type="checkbox"/>	48" <input type="checkbox"/>	Serviceable <input type="checkbox"/>	
Precast <input type="checkbox"/>	60" <input type="checkbox"/>	Broken <input type="checkbox"/>	
Cast in Place <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>	
Other (see NOTES) <input type="checkbox"/>		Staining <input type="checkbox"/>	
		Roots <input type="checkbox"/>	
		Other (see NOTES) <input type="checkbox"/>	

MH BENCH	
<b><u>Bench Material:</u></b>	<b><u>Bench Condition:</u></b>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Damaged <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Dirty <input type="checkbox"/>
Clay Tile <input type="checkbox"/>	Corroded <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Bad Base Joint <input type="checkbox"/>

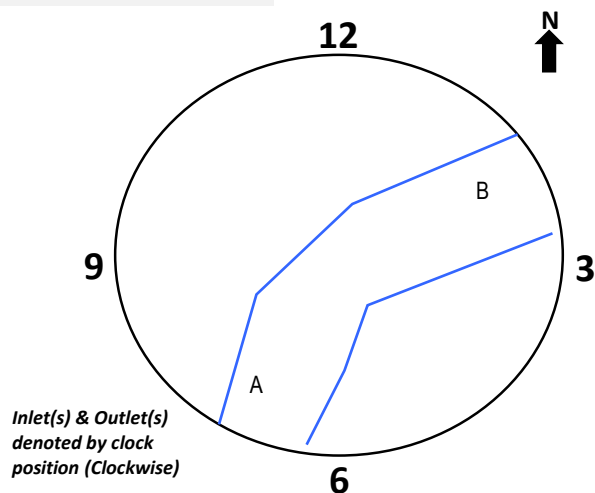
MH CHANNEL			
<b><u>Channel Material:</u></b>	<b><u>Channel Type:</u></b>	<b><u>Channel Exposure:</u></b>	<b><u>Channel Condition:</u></b>
Brick <input type="checkbox"/>	Formed <input type="checkbox"/>	Closed <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Insert <input type="checkbox"/>	Fully Open <input type="checkbox"/>	Obstructed <input type="checkbox"/>
PVC <input type="checkbox"/>	None <input type="checkbox"/>	Partially Open <input type="checkbox"/>	Roots <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Pipe <input type="checkbox"/>		Silt/Debris <input type="checkbox"/>
VC <input type="checkbox"/>	Precast <input type="checkbox"/>		Bad Joints <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>		Damaged <input type="checkbox"/>

MH HYDRAULICS				
<b><u>Evidence of Surge:</u></b>	<b><u>Issues:</u></b>	<b><u>Issue Location:</u></b>	<b><u>Flow Conditions:</u></b>	<b><u>Clarity of Flow:</u></b>
None <input type="checkbox"/>	Grease <input type="checkbox"/>	Cone <input type="checkbox"/>	Steady <input type="checkbox"/>	Turbid <input type="checkbox"/>
Minor <input type="checkbox"/>	Debris <input type="checkbox"/>	Barrel <input type="checkbox"/>	Pulsing <input type="checkbox"/>	Clear <input type="checkbox"/>
Yes, Needs Followup <input type="checkbox"/>	Silt <input type="checkbox"/>	Rungs <input type="checkbox"/>	Turbulent <input type="checkbox"/>	
	Infiltration <input type="checkbox"/>	Bench <input type="checkbox"/>	Surcharging <input type="checkbox"/>	
	Other (see NOTES) <input type="checkbox"/>		Sluggish <input type="checkbox"/>	

## MH PIPE CONNECTIONS

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

## MANHOLE PLAN VIEW



NOTES:



MANHOLE INSPECTION LOG

Vernon, Connecticut

Manhole ID: **MH1327**

Inspection Date: **9/14/2020**

Sewer Shed: **V19**

Inspection Time:

Street: **Hemlock 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**

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

Frame:	<b>Cast Iron</b>	<b>Good</b>	<b>None</b>
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If Debris, Comments:

Grade Ring:	<b>None</b>		
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**null**

Chimney:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Cone:	<b>Precast Concrete</b>	<b>Good</b>	<b>None</b>
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Grease Visible:

Walls:	<b>Precast Concrete</b>	<b>Good</b>	<b>Staining</b>
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Roots Evident: **No**

Bench:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Surcharge Evidence: **None**

Channel:	<b>Brick</b>	<b>Good</b>	<b>None</b>
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Flow Conditions: **Steady** Pipe Connection: **None**

Cover:	<b>Cast Iron</b>	<b>Good</b>	<b>Sheet Flow</b>
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Steps:

Cover Type:	<b>Vented</b>	Cover Diameter (in): <b>26</b>
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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:	<b>Formed</b>	Channel Exposure: <b>Formed</b>
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<u>Inlets</u>	<u>Inlet 1</u>	<u>Inlet 2</u>	<u>Inlet 3</u>	<u>Inlet 4</u>	<u>Inlet 5</u>
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Clock Position	<b>12</b>
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Diameter (inches)	<b>8</b>
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Pipe Material	<b>VC</b>
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Pipe Seal Condition	<b>Sound</b>
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<u>Outlets</u>	<u>Outlet 1</u>
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Clock Position	<b>6</b>
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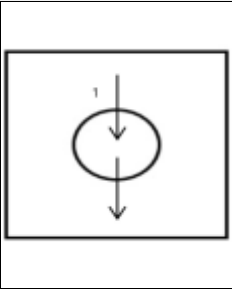
Diameter (inches)	<b>8</b>
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Pipe Material	<b>VC</b>
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Pipe Seal Condition	<b>Sound</b>
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Comments

Plan View



Outlet 

MANHOLE INSPECTION LOG  
Vernon, Connecticut

Manhole ID: **MH451**

Inspection Date: **9/16/2020 4:00:00 PM**  
Inspection Time: **8:34:00 AM**  
Location: **Roadway**  
Surface Type: **Asphalt**  
Manhole Use: **Sanitary**

Sewer Shed: **V19**  
Street: **Russell Dr**  
Manhole Size (in): **48**  
Inspection Status: **Inspected**  
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: **No**  
*If Debris, Comments:*  
Frame: **Cast Iron** **Good** **None**  
Grade Ring: **None**  
Chimney: **Brick** **Good** **None**  
Cone: **Precast Concrete** **Good** **Staining**  
Walls: **Precast Concrete** **Good** **Staining**  
Bench: **Brick** **Good** **None**  
Channel: **Brick** **Good** **None**  
Grease Visible: **No**  
Roots Evident: **No**  
Surcharge Evidence: **None**  
Flow Conditions: **Steady** Pipe Connection: **None**  
Cover: **Cast Iron** **Good** **Sheet Flow**  
Steps: Cover Type: **Vented** Cover Diameter (in): **26**  
Present: **Yes** Quantity of Cover Holes: **2** Cover Hole Diameter (in): **1**  
Condition: **Good** Cover Elevation: **Below Grade** Cover Fit: **Good**  
*If Inflow, Drainage Area to Cover (SF):*

Pipe Data

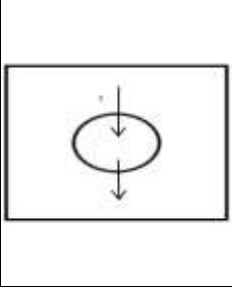
**Inlets**  
Channel Type: **Formed** Channel Exposure: **Formed**  
Inlet 1 Inlet 2 Inlet 3 Inlet 4 Inlet 5

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



Outlet



# MANHOLE INSPECTION FORM

<b>Inspection Date:</b>	<input type="text"/>	<b>Manhole ID:</b>	<input type="text"/>	<b>Pre-Cleaning:</b>	<input type="checkbox"/>
<b>Inspected By:</b>	<input type="text"/>	<b>Sewershed Area:</b>	<input type="text"/>	Heavy	<input type="checkbox"/>
<b>Project:</b>	<input type="text"/>	<b>Street:</b>	<input type="text"/>	Light	<input type="checkbox"/>
<b>Owner:</b>	<input type="text"/>	<b>City:</b>	<input type="text"/>	None	<input type="checkbox"/>

<b>Weather:</b>	Dry - No Rain <input type="checkbox"/>	Light Rain <input type="checkbox"/>	Dry - Wet Ground <input type="checkbox"/>	Heavy Rain <input type="checkbox"/>
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MH DETAILS				
	<u>Location:</u>	<u>Surface Type:</u>	<u>Inflow Potential:</u>	<u>Use:</u>
Roadway <input type="checkbox"/>	Field <input type="checkbox"/>	Asphalt <input type="checkbox"/>	None <input type="checkbox"/>	Combined <input type="checkbox"/>
Sidewalk <input type="checkbox"/>	Ditch <input type="checkbox"/>	Concrete <input type="checkbox"/>	Sheeting <input type="checkbox"/>	Force Main <input type="checkbox"/>
Parking Lot <input type="checkbox"/>	Wooded <input type="checkbox"/>	Grass/Dirt <input type="checkbox"/>	Ponding <input type="checkbox"/>	Sanitary <input type="checkbox"/>
Alley <input type="checkbox"/>	Gravel <input type="checkbox"/>	Gravel <input type="checkbox"/>	Inundated <input type="checkbox"/>	Stormwater <input type="checkbox"/>
Easement <input type="checkbox"/>	Creek <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>
Yard <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>			Other (see NOTES) <input type="checkbox"/>

MH COVER				
<u>Cover Type:</u>	<u>Cover Fit:</u>	<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted <input type="checkbox"/>	Good <input type="checkbox"/>	Cracked <input type="checkbox"/>	24" <input type="checkbox"/>	
Gasketed <input type="checkbox"/>	Oversized <input type="checkbox"/>	Corroded <input type="checkbox"/>	30" <input type="checkbox"/>	
Solid (w/ pickholes) <input type="checkbox"/>	Loose <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	
Vented <input type="checkbox"/>	Undersized <input type="checkbox"/>	Broken <input type="checkbox"/>		
Inner <input type="checkbox"/>	Missing <input type="checkbox"/>			
Other (see NOTES) <input type="checkbox"/>				

MH FRAME & RING			MH RUNGS	
<u>Frame Condition:</u>	<u>Ring Type:</u>	<u>Ring Condition:</u>	<u>Rung Material:</u>	<u>Rung Condition:</u>
Cracked or Broken <input type="checkbox"/>	Adjustable <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Corroded <input type="checkbox"/>	None <input type="checkbox"/>	Broken <input type="checkbox"/>	Metal <input type="checkbox"/>	Unsafe <input type="checkbox"/>
Serviceable <input type="checkbox"/>	Solid <input type="checkbox"/>	Corroded <input type="checkbox"/>	Plastic <input type="checkbox"/>	Missing (No.) <input type="checkbox"/>
Off Grade <input type="checkbox"/>		Cracked <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>
Leaking <input type="checkbox"/>		Leaking <input type="checkbox"/>		No Rungs <input type="checkbox"/>
Misaligned <input type="checkbox"/>		Poor Installation <input type="checkbox"/>		

MH CHIMNEY & CONE				
<u>Chimney Material:</u>	<u>Chimney Condition:</u>	<u>Cone Type:</u>	<u>Cone Material:</u>	<u>Cone Condition:</u>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Conical Centric <input type="checkbox"/>	Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Missing Mortar <input type="checkbox"/>	Connical Off Center <input type="checkbox"/>	Precast <input type="checkbox"/>	Missing Mortar <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Broken <input type="checkbox"/>	Flat Top <input type="checkbox"/>	Cast in Place <input type="checkbox"/>	Broken <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Roots <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Staining <input type="checkbox"/>
	Leaking <input type="checkbox"/>			Roots <input type="checkbox"/>
				Leaking <input type="checkbox"/>

MH DROP CONNECTION				
<u>Drop Present:</u>	<u>Drop Location:</u>	<u>Drop Material:</u>	<u>Drop Condition:</u>	
No <input type="checkbox"/>	Internal <input type="checkbox"/>	PVC <input type="checkbox"/>	Serviceable <input type="checkbox"/>	
Yes (see NOTES) <input type="checkbox"/>	External <input type="checkbox"/>	VC <input type="checkbox"/>	Broken <input type="checkbox"/>	
		Steel <input type="checkbox"/>	Unknown <input type="checkbox"/>	
		Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	

MH BARREL			
<b><u>Barrel Material:</u></b>	<b><u>Barrel Diameter:</u></b>	<b><u>Barrel Condition:</u></b>	
Brick <input type="checkbox"/>	48" <input type="checkbox"/>	Serviceable <input type="checkbox"/>	
Precast <input type="checkbox"/>	60" <input type="checkbox"/>	Broken <input type="checkbox"/>	
Cast in Place <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>	
Other (see NOTES) <input type="checkbox"/>		Staining <input type="checkbox"/>	
		Roots <input type="checkbox"/>	
		Other (see NOTES) <input type="checkbox"/>	

MH BENCH	
<b><u>Bench Material:</u></b>	<b><u>Bench Condition:</u></b>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Damaged <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Dirty <input type="checkbox"/>
Clay Tile <input type="checkbox"/>	Corroded <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Bad Base Joint <input type="checkbox"/>

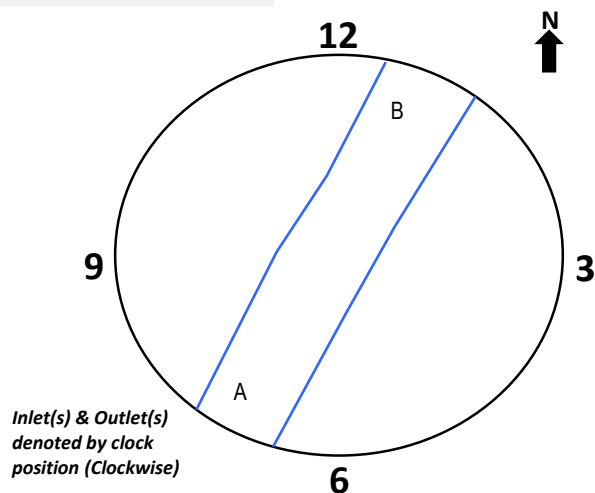
MH CHANNEL			
<b><u>Channel Material:</u></b>	<b><u>Channel Type:</u></b>	<b><u>Channel Exposure:</u></b>	<b><u>Channel Condition:</u></b>
Brick <input type="checkbox"/>	Formed <input type="checkbox"/>	Closed <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Insert <input type="checkbox"/>	Fully Open <input type="checkbox"/>	Obstructed <input type="checkbox"/>
PVC <input type="checkbox"/>	None <input type="checkbox"/>	Partially Open <input type="checkbox"/>	Roots <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Pipe <input type="checkbox"/>		Silt/Debris <input type="checkbox"/>
VC <input type="checkbox"/>	Precast <input type="checkbox"/>		Bad Joints <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>		Damaged <input type="checkbox"/>

MH HYDRAULICS				
<b><u>Evidence of Surge:</u></b>	<b><u>Issues:</u></b>	<b><u>Issue Location:</u></b>	<b><u>Flow Conditions:</u></b>	<b><u>Clarity of Flow:</u></b>
None <input type="checkbox"/>	Grease <input type="checkbox"/>	Cone <input type="checkbox"/>	Steady <input type="checkbox"/>	Turbid <input type="checkbox"/>
Minor <input type="checkbox"/>	Debris <input type="checkbox"/>	Barrel <input type="checkbox"/>	Pulsing <input type="checkbox"/>	Clear <input type="checkbox"/>
Yes, Needs Followup <input type="checkbox"/>	Silt <input type="checkbox"/>	Rungs <input type="checkbox"/>	Turbulent <input type="checkbox"/>	
	Infiltration <input type="checkbox"/>	Bench <input type="checkbox"/>	Surcharging <input type="checkbox"/>	
	Other (see NOTES) <input type="checkbox"/>		Sluggish <input type="checkbox"/>	

## MH PIPE CONNECTIONS

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

## MANHOLE PLAN VIEW



NOTES:





# MANHOLE INSPECTION FORM

**Inspection Date:**
**Inspected By:**
**Project:**
**Owner:**
**Manhole ID:**
**Sewershed Area:**
**Street:**
**City:**
**Pre-Cleaning:**

 Heavy ☐

 Light ☐

 None ☐
**Weather:**

 Dry - No Rain ☐

 Light Rain ☐

 Dry - Wet Ground ☐

 Heavy Rain ☐

## MH DETAILS

	<u>Location:</u>	<u>Surface Type:</u>	<u>Inflow Potential:</u>	<u>Use:</u>
Roadway <input type="checkbox"/>	Field <input type="checkbox"/>	Asphalt <input type="checkbox"/>	None <input type="checkbox"/>	Combined <input type="checkbox"/>
Sidewalk <input type="checkbox"/>	Ditch <input type="checkbox"/>	Concrete <input type="checkbox"/>	Sheeting <input type="checkbox"/>	Force Main <input type="checkbox"/>
Parking Lot <input type="checkbox"/>	Wooded <input type="checkbox"/>	Grass/Dirt <input type="checkbox"/>	Ponding <input type="checkbox"/>	Sanitary <input type="checkbox"/>
Alley <input type="checkbox"/>	Gravel <input type="checkbox"/>	Gravel <input type="checkbox"/>	Inundated <input type="checkbox"/>	Stormwater <input type="checkbox"/>
Easement <input type="checkbox"/>	Creek <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>
Yard <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>			Other (see NOTES) <input type="checkbox"/>

## MH COVER

<u>Cover Type:</u>	<u>Cover Fit:</u>	<u>Cover Condition:</u>	<u>Cover Size:</u>
Bolted <input type="checkbox"/>	Good <input type="checkbox"/>	Cracked <input type="checkbox"/>	24" <input type="checkbox"/>
Gasketed <input type="checkbox"/>	Oversized <input type="checkbox"/>	Corroded <input type="checkbox"/>	30" <input type="checkbox"/>
Solid (w/ pickholes) <input type="checkbox"/>	Loose <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>
Vented <input type="checkbox"/>	Undersized <input type="checkbox"/>	Broken <input type="checkbox"/>	
Inner <input type="checkbox"/>	Missing <input type="checkbox"/>		
Other (see NOTES) <input type="checkbox"/>			

## MH FRAME & RING

<u>Frame Condition:</u>	<u>Ring Type:</u>	<u>Ring Condition:</u>
Cracked or Broken <input type="checkbox"/>	Adjustable <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Corroded <input type="checkbox"/>	None <input type="checkbox"/>	Broken <input type="checkbox"/>
Serviceable <input type="checkbox"/>	Solid <input type="checkbox"/>	Corroded <input type="checkbox"/>
Off Grade <input type="checkbox"/>		Cracked <input type="checkbox"/>
Leaking <input type="checkbox"/>		Leaking <input type="checkbox"/>
Misaligned <input type="checkbox"/>		Poor Installation <input type="checkbox"/>

## MH RUNGS

<u>Rung Material:</u>	<u>Rung Condition:</u>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Metal <input type="checkbox"/>	Unsafe <input type="checkbox"/>
Plastic <input type="checkbox"/>	Missing (No.) <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>
	No Rungs <input type="checkbox"/>

## MH CHIMNEY & CONE

<u>Chimney Material:</u>	<u>Chimney Condition:</u>	<u>Cone Type:</u>	<u>Cone Material:</u>	<u>Cone Condition:</u>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>	Conical Centric <input type="checkbox"/>	Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Missing Mortar <input type="checkbox"/>	Connical Off Center <input type="checkbox"/>	Precast <input type="checkbox"/>	Missing Mortar <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Broken <input type="checkbox"/>	Flat Top <input type="checkbox"/>	Cast in Place <input type="checkbox"/>	Broken <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Roots <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Staining <input type="checkbox"/>
	Leaking <input type="checkbox"/>			Roots <input type="checkbox"/>
				Leaking <input type="checkbox"/>

## MH DROP CONNECTION

<u>Drop Present:</u>	<u>Drop Location:</u>	<u>Drop Material:</u>	<u>Drop Condition:</u>
No <input type="checkbox"/>	Internal <input type="checkbox"/>	PVC <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Yes (see NOTES) <input type="checkbox"/>	External <input type="checkbox"/>	VC <input type="checkbox"/>	Broken <input type="checkbox"/>
		Steel <input type="checkbox"/>	Unknown <input type="checkbox"/>
		Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>

MH BARREL			
<b><u>Barrel Material:</u></b>	<b><u>Barrel Diameter:</u></b>	<b><u>Barrel Condition:</u></b>	
Brick <input type="checkbox"/>	48" <input type="checkbox"/>	Serviceable <input type="checkbox"/>	
Precast <input type="checkbox"/>	60" <input type="checkbox"/>	Broken <input type="checkbox"/>	
Cast in Place <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>	
Other (see NOTES) <input type="checkbox"/>		Staining <input type="checkbox"/>	
		Roots <input type="checkbox"/>	
		Other (see NOTES) <input type="checkbox"/>	

MH BENCH	
<b><u>Bench Material:</u></b>	<b><u>Bench Condition:</u></b>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Damaged <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Dirty <input type="checkbox"/>
Clay Tile <input type="checkbox"/>	Corroded <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Bad Base Joint <input type="checkbox"/>

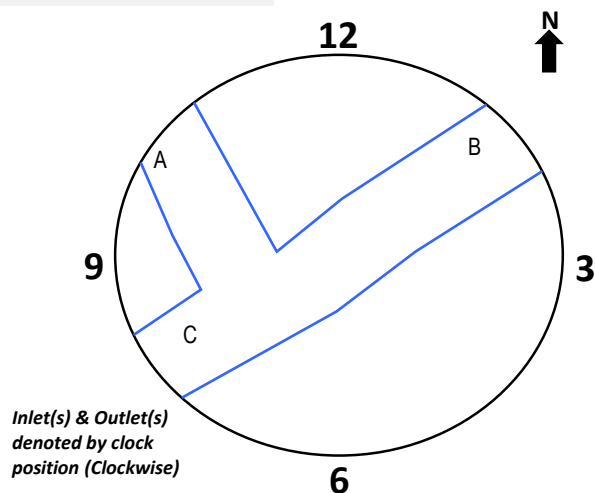
MH CHANNEL			
<b><u>Channel Material:</u></b>	<b><u>Channel Type:</u></b>	<b><u>Channel Exposure:</u></b>	<b><u>Channel Condition:</u></b>
Brick <input type="checkbox"/>	Formed <input type="checkbox"/>	Closed <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Insert <input type="checkbox"/>	Fully Open <input type="checkbox"/>	Obstructed <input type="checkbox"/>
PVC <input type="checkbox"/>	None <input type="checkbox"/>	Partially Open <input type="checkbox"/>	Roots <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Pipe <input type="checkbox"/>		Silt/Debris <input type="checkbox"/>
VC <input type="checkbox"/>	Precast <input type="checkbox"/>		Bad Joints <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>		Damaged <input type="checkbox"/>

MH HYDRAULICS				
<b><u>Evidence of Surge:</u></b>	<b><u>Issues:</u></b>	<b><u>Issue Location:</u></b>	<b><u>Flow Conditions:</u></b>	<b><u>Clarity of Flow:</u></b>
None <input type="checkbox"/>	Grease <input type="checkbox"/>	Cone <input type="checkbox"/>	Steady <input type="checkbox"/>	Turbid <input type="checkbox"/>
Minor <input type="checkbox"/>	Debris <input type="checkbox"/>	Barrel <input type="checkbox"/>	Pulsing <input type="checkbox"/>	Clear <input type="checkbox"/>
Yes, Needs Followup <input type="checkbox"/>	Silt <input type="checkbox"/>	Rungs <input type="checkbox"/>	Turbulent <input type="checkbox"/>	
	Infiltration <input type="checkbox"/>	Bench <input type="checkbox"/>	Surcharging <input type="checkbox"/>	
	Other (see NOTES) <input type="checkbox"/>		Sluggish <input type="checkbox"/>	

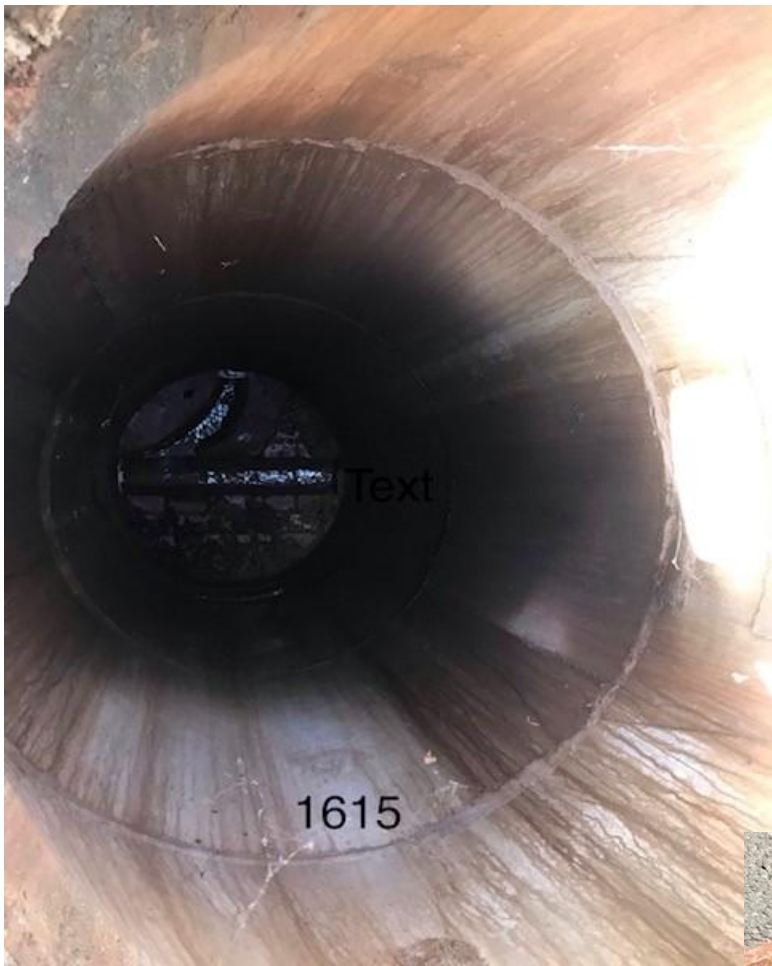
## MH PIPE CONNECTIONS

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

## MANHOLE PLAN VIEW



NOTES:





# MANHOLE INSPECTION FORM

<b>Inspection Date:</b>		<b>Manhole ID:</b>		<b>Pre-Cleaning:</b>	
<b>Inspected By:</b>		<b>Sewershed Area:</b>		Heavy	<input type="checkbox"/>
<b>Project:</b>		<b>Street:</b>		Light	<input type="checkbox"/>
<b>Owner:</b>		<b>City:</b>		None	<input type="checkbox"/>

<b>Weather:</b>	Dry - No Rain <input type="checkbox"/>	Light Rain <input type="checkbox"/>	Dry - Wet Ground <input type="checkbox"/>	Heavy Rain <input type="checkbox"/>
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MH DETAILS					
	<u>Location:</u>	<u>Surface Type:</u>	<u>Inflow Potential:</u>	<u>Use:</u>	
Roadway	Field	Asphalt	None	Combined	<input type="checkbox"/>
Sidewalk	Ditch	Concrete	Sheeting	Force Main	<input type="checkbox"/>
Parking Lot	Wooded	Grass/Dirt	Ponding	Sanitary	<input type="checkbox"/>
Alley	Gravel	Gravel	Inundated	Stormwater	<input type="checkbox"/>
Easement	Creek	Other (see NOTES)	Unknown	Unknown	<input type="checkbox"/>
Yard	Other (see NOTES)			Other (see NOTES)	<input type="checkbox"/>

MH COVER				
<u>Cover Type:</u>	<u>Cover Fit:</u>	<u>Cover Condition:</u>	<u>Cover Size:</u>	
Bolted	Good	Cracked	24"	<input type="checkbox"/>
Gasketed	Oversized	Corroded	30"	<input type="checkbox"/>
Solid (w/ pickholes)	Loose	Serviceable	Other (see NOTES)	<input type="checkbox"/>
Vented	Undersized	Broken		<input type="checkbox"/>
Inner	Missing			<input type="checkbox"/>
Other (see NOTES)				<input type="checkbox"/>

MH FRAME & RING			MH RUNGS	
<u>Frame Condition:</u>	<u>Ring Type:</u>	<u>Ring Condition:</u>	<u>Rung Material:</u>	<u>Rung Condition:</u>
Cracked or Broken	Adjustable	Serviceable	Brick	Serviceable
Corroded	None	Broken	Metal	Unsafe
Serviceable	Solid	Corroded	Plastic	Missing (No.)
Off Grade		Cracked	Other (see NOTES)	Corroded
Leaking		Leaking		No Rungs
Misaligned		Poor Installation		

MH CHIMNEY & CONE				
<u>Chimney Material:</u>	<u>Chimney Condition:</u>	<u>Cone Type:</u>	<u>Cone Material:</u>	<u>Cone Condition:</u>
Brick	Serviceable	Conical Centric	Brick	Serviceable
Precast	Missing Mortar	Connical Off Center	Precast	Missing Mortar
Cast in Place	Broken	Flat Top	Cast in Place	Broken
Other (see NOTES)	Roots	Other (see NOTES)	Other (see NOTES)	Staining
	Leaking			Roots
				Leaking

MH DROP CONNECTION			
<u>Drop Present:</u>	<u>Drop Location:</u>	<u>Drop Material:</u>	<u>Drop Condition:</u>
No	Internal	PVC	Serviceable
Yes (see NOTES)	External	VC	Broken
		Steel	Unknown
		Other (see NOTES)	Other (see NOTES)

MH BARREL			
<u>Barrel Material:</u>	<u>Barrel Diameter:</u>	<u>Barrel Condition:</u>	
Brick <input type="checkbox"/>	48" <input type="checkbox"/>	Serviceable <input type="checkbox"/>	
Precast <input type="checkbox"/>	60" <input type="checkbox"/>	Broken <input type="checkbox"/>	
Cast in Place <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>	Corroded <input type="checkbox"/>	
Other (see NOTES) <input type="checkbox"/>		Staining <input type="checkbox"/>	
		Roots <input type="checkbox"/>	
		Other (see NOTES) <input type="checkbox"/>	

MH BENCH	
<u>Bench Material:</u>	<u>Bench Condition:</u>
Brick <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Damaged <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Dirty <input type="checkbox"/>
Clay Tile <input type="checkbox"/>	Corroded <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Bad Base Joint <input type="checkbox"/>

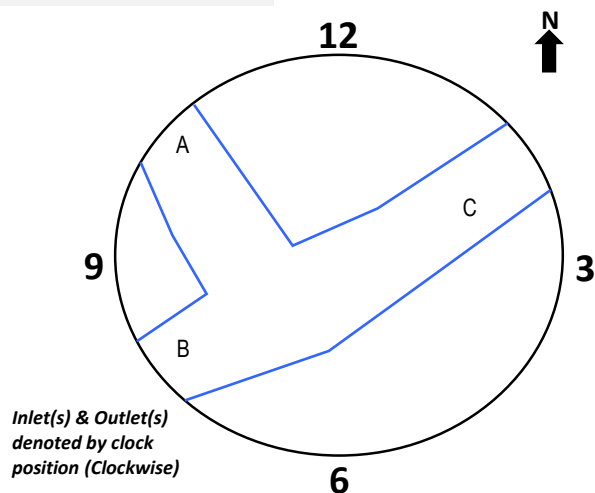
MH CHANNEL			
<u>Channel Material:</u>	<u>Channel Type:</u>	<u>Channel Exposure:</u>	<u>Channel Condition:</u>
Brick <input type="checkbox"/>	Formed <input type="checkbox"/>	Closed <input type="checkbox"/>	Serviceable <input type="checkbox"/>
Precast <input type="checkbox"/>	Insert <input type="checkbox"/>	Fully Open <input type="checkbox"/>	Obstructed <input type="checkbox"/>
PVC <input type="checkbox"/>	None <input type="checkbox"/>	Partially Open <input type="checkbox"/>	Roots <input type="checkbox"/>
Cast in Place <input type="checkbox"/>	Pipe <input type="checkbox"/>		Silt/Debris <input type="checkbox"/>
VC <input type="checkbox"/>	Precast <input type="checkbox"/>		Bad Joints <input type="checkbox"/>
Other (see NOTES) <input type="checkbox"/>	Other (see NOTES) <input type="checkbox"/>		Damaged <input type="checkbox"/>

MH HYDRAULICS				
<u>Evidence of Surge:</u>	<u>Issues:</u>	<u>Issue Location:</u>	<u>Flow Conditions:</u>	<u>Clarity of Flow:</u>
None <input type="checkbox"/>	Grease <input type="checkbox"/>	Cone <input type="checkbox"/>	Steady <input type="checkbox"/>	Turbid <input type="checkbox"/>
Minor <input type="checkbox"/>	Debris <input type="checkbox"/>	Barrel <input type="checkbox"/>	Pulsing <input type="checkbox"/>	Clear <input type="checkbox"/>
Yes, Needs Followup <input type="checkbox"/>	Silt <input type="checkbox"/>	Rungs <input type="checkbox"/>	Turbulent <input type="checkbox"/>	
	Infiltration <input type="checkbox"/>	Bench <input type="checkbox"/>	Surcharging <input type="checkbox"/>	
	Other (see NOTES) <input type="checkbox"/>		Sluggish <input type="checkbox"/>	

## MH PIPE CONNECTIONS

Pipe ID	Clock Position	Rim to Invert Depth	Inlet or Outlet Pipe	Pipe Material	Pipe Diameter	Pipe Seal Condition	Comments

## MANHOLE PLAN VIEW



NOTES:

