

**Town of Essex**  
 Stormwater Outfall Reconnaissance Inventory  
 Field Inspection Sheet

**Section 1: Background Data**

Subwatershed:		Outfall ID:	
Today's date:		Time of Day:	
Investigators:		Form Completed By:	
Temperature (°F)	Rainfall (in.): Last 24 Hours:		Last 48 Hours:
Land Use in Drainage Area (Check all that apply):			
Industrial	Open Space		
Ultra- Urban Residential	Institutional		
Suburban Residential	Other: _____		
Commercial	Known Industries: _____		
NOTES (e.g., origin of outfall, if known):			

**Section 2: Outfall Description**

Location	Material	Shape	Dimensions (in.)	Submerged	
Closed Pipe	RCP	Circular	Single	<u>Diameter:</u> _____	In Water: No Partially Fully
	PVC	Elliptical	Double	_____	
Open Drainage	Steel	Box	Triple	<u>Dimensions:</u> _____	Sediment  No Partially Fully
	CMP	Other: _____	Other: _____	_____	
	HDPE			_____	
	Other: _____			_____	
In-Stream	Concrete	Trapezoid	Depth: _____	No Partially Fully	
	Earthen	Parabolic	Top Width: _____		
	Rip-rap	Other: _____	Bottom Width: _____		
Other: _____					
In-Stream	(applicable when collecting samples)				
Flow Present?	YES	NO	<i>(if no, skip to Section 4)</i>		
Flow Description	Trickle	Moderate	Substantial		

# Town of Essex

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### Section 3: Physical Indicators for Flowing Outfalls

Are any physical indicators present in the flow? YES NO (if no, skip to section 4)

Indicator	Present	Description	Relative Severity Index (1 - 3)		
			1	2	3
Odor		Sewage	Rancid/sour	Petroleum	
		Sulfide	Other: _____		
Color		Clear	Brown	Gray	
		Yellow	Green	Orange	
		Red	Other: _____		
Turbidity		(see severity index)			
Floatables*		Sewage	Suds	Petroleum	
		Other: _____			
<b>Relative severity Index</b>					
<i>Odor: 1 – Faint 2 – Easily detected 3 – Noticeable from a distance</i>					
<i>Color: 1 – Faint colors in sample bottles 2 – Clearly visible in sample bottle 3 – Clearly visible in outfall flow</i>					
<i>Turbidity: 1 – Slight cloudiness 2 – Cloudy 3 – Opaque</i>					
<i>Floatables: 1 – Few/slight; origin not obvious 2 – Some; indications of origin (e.g., possible suds or oil sheen)</i>					
<i>3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)</i>					
<i>*Does not include trash</i>					

### Section 4: Physical Indicators for Both Flowing and Non- Flowing Outfalls

Are there physical indicators that are not related to flow? YES NO (if no, skip to section 5)

Indicator	Present	Description	Comments
Outfall Damage		Peeling Paint	Corrosion
		Spalling, Cracking, or chipping	
Deposits/Stains		Oily	Flow Line
		Paint	Other: _____
Abnormal Vegetation		Excessive	Inhibited
Poor pool quality		Odors	Colors
		Floatables	Oil Sheen
		Suds	Excessive algae
		Other: _____	
Pipe benthic growth		Brown	Green
		Orange	Other: _____

### Section 5: Overall Outfall Characterization

Unlikely	Potential (presence of two or more indicators)	Suspect (one or more indicators with a severity of 3)	Obvious
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### Catch Basin Inspection Sheet

W:\CB Database\CB and Outfall Inspection Sheets

Date: \_\_\_\_\_

Inspected by: \_\_\_\_\_

Drainage Area: \_\_\_\_\_

Permit #: \_\_\_\_\_

Weather Conditions: Clear Lt. Rain Heavy Rain Snow

<b>CB #</b>		Marker?	Y	N	OB Test?	Y	N
	GPS Location: _____	Lat _____	Color:				

General Location: Road Green Belt Parking lot Yard Driveway

<b>Amount of Debris</b> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<b>Comments/Unusual Odor?:</b> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>
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<b>Structural Cond.</b>	Condition		<b>Comments:</b> <div style="border: 1px solid black; height: 80px; width: 100%;"></div>
Frame	G	F    P	
Grate	G	F    P	
Transition (Bricks or Blocks)	G	F    P	
CB Walls (Block or Precast)	G	F    P	
Pipes	G	F    P	
Frame grade WRT Street:	Lower	Level	Higher
Maintenance Req.:	Immediate	Routine	None

<b>CB #</b>		Marker?	Y	N	OB Test?	Y	N
	GPS Location: _____	Lat _____	Color:				

General Location: Road Green Belt Parking lot Yard Driveway

<b>Amount of Debris</b> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<b>Comments/Unusual Odor?:</b> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>
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<b>Structural Cond.</b>	Condition		<b>Comments:</b> <div style="border: 1px solid black; height: 80px; width: 100%;"></div>
Frame	G	F    P	
Grate	G	F    P	
Transition (Bricks or Blocks)	G	F    P	
CB Walls (Block or Precast)	G	F    P	
Pipes	G	F    P	
Frame grade WRT Street:	Lower	Level	Higher
Maintenance Req.:	Immediate	Routine	None

Key					
<u>Drainage Area:</u>		Town		Village	
Alder Brook	AB		<u>Permit #:</u>		<u>Permit #:</u>
Browns River	BR	Lang Parcel I	3575-9010	Drury Upland	4128INDO
Winooski River	WR	Lang Parcel H	3577-9010	5 Corners North	4989INDO
Indian Brook	IB	Meadow's Edge	3324-9010	Woods End Riverdell	3268-9010
Sunderland Brook	SB	Forestdale	3574-9010	Park St Outfall	3270-9010
		Perkins Bend	3001-9010	Whitcomb I	3547-9010
		Pinewood	3578-9010	Brownell Drive	3553-9010
		Saybrook	3267-9010	Whitcomb II	3866-9010
		Heritage	3581-9010	Rivers Edge	3072-9015
		Old Stage	3579-9010		
		River's Bend	3580-9010		
		Pinewood Sec G	3201-9010		
		Doubleday	1-1381		
		Autumn Knoll	4367-9010		

#### Guidelines for Inspection of Catch Basins

Frame and Grate	<i>Good</i>	Nothing visibly wrong
	<i>Fair</i>	Indented, chipped, plow damage
	<i>Poor</i>	Large holes, bars missing, grate split
Transition	<i>Good</i>	Nothing visibly wrong
	<i>Fair</i>	Bricks loose, concrete needed, minor repairs
	<i>Poor</i>	Bricks falling out, large holes, water seeping in, major repairs
CB Walls	<i>Good</i>	Nothing visibly wrong
	<i>Fair</i>	Water seeping in, missing concrete, able to be repaired
	<i>Poor</i>	Large holes, sections of walls missing, must be rebuilt
Pipes	<i>Good</i>	Nothing visibly wrong
	<i>Fair</i>	Cracked, minor rusting
	<i>Poor</i>	Severly damaged, severe rusting
<b>Sheen</b>	<b><i>Oil:</i></b> <i>Sticks to finger</i>	
	<b><i>Bacterial:</i></b> <i>Breaks up like glass</i>	