



**CLIENT NAME:**  
Borough of Emerson

**SITE LOCATION:**  
Emerson, New Jersey

**PROJECT NAME:**  
Stormwater Outfall Survey

**PROJECT No.:**  
EM-325

**Photo No. 1.**

**Description:**

Discharge ID:  
D-1

Location:  
98 Dorchester Rd

Watercourse:  
Musquapsink Brook

Size:  
24" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No



**Photo No. 2.**

**Description:**

Discharge ID:  
D-2

Location:  
Chestnut Street

Watercourse:  
Unknown Ditch

Size:  
18" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No





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**Photo No. 3.**

**Description:**

Discharge ID:  
D-3

Location:  
Lozier Ave.

Watercourse:  
Unknown Ditch

Size:  
15" RCP

Condition:  
Fair

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Repair Headwall  
**NJDEP Permit Required**



**Photo No. 4.**

**Description:**

Discharge ID:  
D-4

Location:  
160 Highland Ave.

Watercourse:  
Emerson Brook

Size:  
18" RCP

Condition:  
Poor

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Reset Headwall  
**NJDEP Permit Required**





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**Photo No. 5.**

**Description:**

Discharge ID:  
D-5

Location:  
1 Daned Rd

Watercourse:  
Emerson Brook

Size:  
36" RCP

Condition:  
Excellent

Scour:  
No

Illicit Connection:  
No

Repair:  
No



**Photo No. 6.**

**Description:**

Discharge ID:  
D-6

Location:  
133 Eagle Drive

Watercourse:  
Emerson Brook

Size:  
48"x72" RECP

Condition:  
Excellent

Scour:  
No

Illicit Connection:  
No

Repair:  
Clear Trash





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**Photo No. 7.**

**Description:**

Discharge ID:  
D-7

Location:  
169 Eagle Drive

Watercourse:  
Emerson Brook

Size:  
21" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
Clear Trash



**Photo No. 8.**

**Description:**

Discharge ID:  
D-8

Location:  
Old Hook Rd

Watercourse:  
Pascack Brook

Size:  
2'x3' 3-sided Box Culvert

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No





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**Photo No. 9.**

**Description:**

Discharge ID:  
D-9

Location:  
Old Hook Rd

Watercourse:  
Pascack Brook

Size:  
Unknown

Condition:  
Poor

Scour:  
No

Illicit Connection:  
Unknown

Repair:  
Remove Sediment  
**NJDEP Permit Required**



**Photo No. 10.**

**Description:**

Discharge ID:  
D-10

Location:  
Old Hook Rd

Watercourse:  
Pascack Brook

Size:  
36" HDPE

Condition:  
Excellent

Scour:  
No

Illicit Connection:  
No

Repair:  
No





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**Photo No. 11.**

**Description:**

Discharge ID:  
D-11

Location:  
Lakeview Drive

Watercourse:  
Hackensack River UNT

Size:  
24" RCP

Condition:  
Poor

Scour:  
No

Illicit Connection:  
No

Repair:  
Construct Pre-Form Scour  
Conduit Outlet Protection



**Photo No. 12.**

**Description:**

Discharge ID:  
D-12

Location:  
Main St. & Ridge Rd.

Watercourse:  
Hackensack River UNT

Size:  
30" RCCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
Manufactured Treatment  
Device may require service





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**Photo No. 13.**

**Description:**  
Discharge ID:  
D-13  
Location:  
Pine Dr. & Emwood Dr.  
Watercourse:  
Emerson Brook  
Size:  
18" RCP  
Condition:  
Good  
Scour:  
No  
Illicit Connection:  
No  
Repair:  
No



**Photo No. 14.**

**Description:**  
Discharge ID:  
D-14  
Location:  
Main St. & Pine Dr.  
Watercourse:  
Emerson Brook  
Size:  
24" RCP  
Condition:  
Good  
Scour:  
No  
Illicit Connection:  
No  
Repair:  
No





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**Photo No. 15.**

**Description:**

Discharge ID:  
D-15

Location:  
Highschool Entrance

Watercourse:  
Emerson Brook

Size:  
15" Flared End Section

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No



**Photo No. 16.**

**Description:**

Discharge ID:  
D-16

Location:  
Highschool Entrance

Watercourse:  
Emerson Brook

Size:  
15" RCP

Condition:  
Fair

Scour:  
No

Illicit Connection:  
No

Repair:  
Clean Apron  
No NJDEP Permit  
Required





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**Photo No. 17.**

**Description:**

Discharge ID:  
D-17

Location:  
Main Street

Watercourse:  
Emerson Brook

Size:  
24" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
Remove Sediment



**Photo No. 18.**

**Description:**

Discharge ID:  
D-18

Location:  
South West Main Street

Watercourse:  
Emerson Brook

Size:  
18" RCP

Condition:  
Good

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Replace Rip-Rap Conduit  
Outlet Protection





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**Photo No. 19.**

**Description:**

Discharge ID:  
D-19

Location:  
Southeast Main Street

Watercourse:  
Emerson Brook

Size:  
18" RCP

Condition:  
Good

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Replace Rip-Rap Conduit  
Outlet Protection



**Photo No. 20.**

**Description:**

Discharge ID:  
D-20

Location:  
Highschool Parking Lot

Watercourse:  
Emerson Brook

Size:  
18" RCP

Condition:  
Fair

Scour:  
No

Illicit Connection:  
No

Repair:  
Clean Apron / Remove  
Sediment / Replace  
Conduit Outlet Protection





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**Photo No. 21.**

**Description:**

Discharge ID:  
D-21

Location:  
Main Street

Watercourse:  
Emerson Brook UNT

Size:  
36" Elliptical Concrete Pipe

Condition:  
Excellent

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Remove Sediment from Apron



**Photo No. 22.**

**Description:**

Discharge ID:  
D-22

Location:  
Randolph Ave.

Watercourse:  
Oradell Reservoir

Size:  
Unknown

Condition:  
Unknown

Scour:  
Unknown

Illicit Connection:  
Unknown

Repair:  
Unknown





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**Photo No. 23.**

**Description:**

Discharge ID:  
D-23

Location:  
Third Street

Watercourse:  
Hackensack River UNT

Size:  
18" RCP

Condition:

Scour:

Illicit Connection:  
No

Repair:



**Photo No. 24.**

**Description:**

Discharge ID:  
D-24

Location:  
Palisade Ave.

Watercourse:  
Hackensack River UNT

Size:  
18" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No





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**Photo No. 25.**

**Description:**

Discharge ID:  
D-25

Location:  
55 Palisade Avenue

Watercourse:  
Hackensack River UNT

Size:  
24" RCP

Condition:  
Excellent

Scour:  
No

Illicit Connection:  
No

Repair:  
No



**Photo No. 26.**

**Description:**

Discharge ID:  
D-26

Location:  
Emerson Plaza East

Watercourse:  
Unknown Tributary

Size:  
42" RCP

Condition:  
Excellent

Scour:  
No

Illicit Connection:  
No

Repair:  
No





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**Photo No. 27.**

**Description:**

Discharge ID:  
D-27

Location:  
Huyler Street

Watercourse:  
Van Saun Mill Brook

Size:  
24" RCP

Condition:  
Poor

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Replace Pipe and  
Headwall / Stabilize Bank  
**NJDEP Permit Required**



**Photo No. 28.**

**Description:**

Discharge ID:  
D-28

Location:  
Washington Ave

Watercourse:  
Unknown Tributary

Size:  
36"x48" EMCP

Condition:  
Fair

Scour:  
Yes

Illicit Connection:  
No

Repair:  
Install Rip-Rap Conduit  
Outlet Protection  
**NJDEP Permit Required**





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**Photo No. 29.**

**Description:**  
Discharge ID:  
D-29  
Location:  
Washington Ave  
Watercourse:  
Unknown Tributary  
Size:  
36" RCP  
Condition:  
Excellent  
Scour:  
No  
Illicit Connection:  
No  
Repair:  
No



**Photo No. 30.**

**Description:**  
Discharge ID:  
D-30  
Location:  
Cedar Park Cemeteries  
Watercourse:  
Musquapsink Brook  
Size:  
36" RCP  
Condition:  
Good  
Scour:  
No  
Illicit Connection:  
No  
Repair:  
Remove Fallen Tree





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**Photo No. 31.**

**Description:**

Discharge ID:  
D-31

Location:  
Cedar Park Cemeteries

Watercourse:  
Musquapsink Brook

Size:  
24" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
Remove Fallen Tree



**Photo No. 32.**

**Description:**

Discharge ID:  
Private-1

Location:  
55 Palisade Ave

Watercourse:  
Hackensack River UST

Size:  
15" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No





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**Photo No. 33.**

**Description:**

Discharge ID:  
Private-2

Location:  
55 Palisade Ave

Watercourse:  
Hackensack River UST

Size:  
12" RCP

Condition:  
Good

Scour:  
No

Illicit Connection:  
No

Repair:  
No

