

# Stormwater Pollution Prevention Plan

*Municipality:* Town of Harrison

*County:* Hudson

*Permit Number NJG*0150720

Annual Review Date: Stormwater 9/9/2024

Program Coordinator: Rocco Russomanno

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## Form 1 – Team Members

<b>Stormwater Program Coordinator (SPC)</b>			
Name and Title		<b>Rocco Russomanno</b>	
Phone	973-268-2446	Email	rrussomanno@townofharrison.com
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>			
Name and Title		<b>Michael Pichowicz, Planning Board Attorney</b>	
Phone	973-865-3978	Email	njlegal@aol.com
Name and Title		Antonios Panagopoulos, T& M Associates, Planning Board Engineer	
Phone	732-241-3076	Email	apanogopoulos@tandmassociates.com
<b>Other Municipal Stormwater Team Members</b>			
Name and Title		Mckinley Mertz, Heyer & Gruel Associates, Town Planner	
Phone	732-741-2900	Email	mmertz@hgapa.com
Name and Title		<b>Paul Zarbetski, Town Clerk</b>	
Phone	973-268-2447	Email	pjzarbetski@townofharrison.com
Name and Title		John Starr	
Phone	973-268-2296	Email	jstarr@townofharrison.com
<b>Shared/Contracted Service Providers</b>			
Provider Name	Service Provided	Term of Service	

## Form 2 – Revision History

Revision Date	Form # Changed	Reason for Revision (Updates to staff, policy, webpage, etc.)

### **Form 3 – Public Announcements**

#### ***Part IV.B. and C.***

1. Provide the link to the dedicated stormwater webpage for your municipality.

**<https://townofharrison.com/257/Stormwater>**

2. List the name and title of person(s) responsible for stormwater webpage postings/updates.

**Kunal Mehta**

3. List the newspapers, social media outlets, websites, direct mailings (Email or postal), and other communication approaches typically used to inform/educate the public on stormwater program information and related events/activities.

The Town of Harrison typically will provide residential information in the Observer or Jersey Journal. The Town has a Facebook page "Harrison Team" while using mailings in tax or water and sewer bills as well as a Reverse 911 for residential notifications and education. The Town provides educational information at events such as National Night Out and Halloween celebrations.

## **Form 4 – Post-Construction Stormwater Management in New Development and Redevelopment**

### ***Part IV.E.***

1. How does the municipality define “major development”? If it is different from the definition in N.J.A.C. 7:8, explain the difference.

The Town of Harrison uses the definition as provided in N.J.A.C. 7:8

2. Is the municipality’s stormwater control ordinance (SCO) the same as or more stringent than NJDEP’s model SCO? If more stringent, explain the difference.

The Town of Harrison's stormwater control ordinance (SCO) is the same as the NJ DEP's model ordinance.

3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).

Development projects are submitted to the planning office with a standard development application. The application is reviewed by the planning board secretary for administrative completeness regarding application and review fees. Once all necessary fees and copies of applications are submitted, the planning board secretary schedules a sub-committee meeting which consists of the planning board professionals (attorney, planner and engineer) as well as a minority number of board members. During the sub-committee process technical comments are generated from both the planner and board engineer. The engineer will use this time to address storm water control issues as well as insure that the application is in compliance with the MS4 permit and regulations. Once the sub-committee deems the application complete a hearing is scheduled before the full planning board. The planning board reviews the application for compliance with RSIS, land development ordinance, redevelopment ordinance as well as the stormwater control rules. The applicant is questioned and if deemed to be in compliance with the Town's development plan an approval is granted. Upon receiving an approval a resolution is memorialized by the planning board at the next regular meeting and the applicant submits amended plans which shall comply with the approving resolution. The plans are reviewed by the board engineer for compliance.



<p>4. Does your municipality have a mitigation plan included in your Municipal Stormwater Management Plan and Stormwater Control Ordinance? Indicate the location of records of all variances granted.</p>
<p>No</p>
<p>5. Indicate the dates of each iteration of the township's Stormwater Control Ordinance, starting with the initial adoption and including revisions.</p>
<p>Stormwater control ordinance was originally adopted on 12/6/2005, the ordinance was repealed and re-adopted as follows: Ordinance Numbers 1153 in 2006, 1159 in 2007 and 1168 in 2007. Finally on 4/20/2021 Ordinance No. 1436 was adopted. The Town will introduce the updated SCO at the 9/17/2024 meeting of the Mayor and Council and the same will be adopted on October 1, 2024.</p>
<p>6. Indicate the dates of each iteration of the township's Municipal Stormwater Management Plan, starting with the initial adoption and including revisions.</p>
<p>June 6, 2005.</p>

## Form 5 – Ordinances

### Part IV.F.1.

Ordinance	Date Adopted	Was the DEP model adopted without change? If not, explain how the municipality's is more stringent.	Entity Responsible for Enforcement	Fees & Fines
1. Pet Waste	9/6/2005	yes	Health Dept/ H	\$ ____ 250.00
2. Wildlife Feeding	9/6/2005	yes	Health Dept/ H	\$ ____ 1000.00
3. Litter Control	9/6/2005	yes	Health Dept/ H	\$ ____ 1000.00
4. Improper Disposal of Waste	9/6/2005	yes	Health Dept/ HPD/DPW	\$ ____ 1000.00
5. Yard Waste	9/6/2005	yes	Health Dept/ H	\$ ____ 1000.00
6. Private Storm Drain Inlet Retrofitting	4/8/2021	yes	Health Dept/ HPD/DPW	\$ ____ 1000.00
7. Illicit Connections	9/6/2005	yes	Health Dept/ H	\$ ____ 1000.00
8. Privately-Owned Salt Storage	9/6/2023	yes	Health Dept/ H	\$ ____ 1000.00
9. Tree Removal-Replacement	10/1/2024	yes	Health Dept/ H	\$ ____ 1000.00
<b>List any additional stormwater-related ordinances the municipality has adopted that address issues beyond the scope of the MS4 permit. Include adoption date, entity responsible for enforcement, and related fees and fines.</b>				
None				
<b>Indicate the location of records associated with ordinances and related violations and enforcement actions below.</b>				
Enforcement action records would be kept in the respective departments which are responsible for enforcement of the same. Records may also be on file with the municipal court.				



## Form 6 – Street Sweeping

### Part IV.F.2.a.i. and ii.

1. Provide a written description and/or attach a map outlining the sweeping schedule for the following:

- Segments of municipal roads with storm drain inlets that discharge to surface water (required at least 3 times each year)
- Segments of municipal roads that do not have storm drain inlets but do discharge to surface water (required at least 1 time each year)

*Note: Only asphalt and concrete roads need to be swept. Roads that do not have storm drain inlets and do not discharge to surface water do not need to be swept.*

Town of Harrison  
Street Cleaning Schedule

Monday to Friday (Both Sides)  
FER Blvd So. from Harrison Ave to Bridge  
Cape May St  
Middlesex St  
So 3rd St from Middlesex to Burlington  
Burlington St  
Railroad Ave  
So 2nd from Railroad to Dead End  
Somerset St  
Essex St from 7th St to 1st St  
So 5th St from Sussex St to Essex St  
Bergen St from FER Blvd to 5th St  
280 ramps (3)  
Super Blvd

Monday  
South side of Harrison Ave from Passaic to Ogden Ave  
Eastside FER Blvd N. from Harrison Ave to Sherman Ave  
Westside  
1st St  
Dey St  
2nd St N & S  
3rd St N & S  
5th St N & S  
Patterson St  
Washington St  
8th St  
Davis Ave  
7th St  
Davis Court  
Hiram Pl  
Manor Ave  
Kingsland Ave  
Franklin Ave  
John St  
Grant Ave  
Church Square

2. Indicate if sweeping work is outsourced and if so, describe the arrangement.

Sweeping is performed by the DPW

## Form 7 – MS4 Infrastructure

### *Part IV.F.2-4. and Part IV.G.2-3.*

#### **1. Municipal Storm Drain Inlets**

- a. Describe how you ensure that municipal inlets without permanent wording cast into the design have been properly labelled.
- b. Describe how you ensure that municipal and private storm drain inlets have been retrofitted.
- c. Describe how you ensure that newly installed storm drain inlets include corresponding catch basins or other BMPs to collect solids.
- d. Describe when and how you conduct inspections of storm drain inlets and the criteria used to determine when they need to be cleaned.

- a. During bi-annual cleaning and inspection process inlet labels are inspected. Missing or faded labels are replaced by using stencils with paint or embossed labels.
- b. The Town of Harrison uses NJDOT bicycle safe grates with Type N - Eco heads on all retrofitting, drainage and paving projects. The casting conforms with Attachment B of the permit "Design Standard for Storm Drain Inlets". The majority of privately owned storm drains are part of new major developments and comply with the regulations. Any older castings are inspected and notice for replacement are generated.
- c. New storm drain inlets, catch basins or other BMP's are visually inspected twice a year. Any collected solids are removed with a Vac truck and power washer.
- d. As previously stated storm inlets, catch basins and BMP's are inspected twice a year typically in late fall (November / December) and early Spring (March / April). During those times if debris is observed in the drainage structure the same is removed immediately.

#### **2. Municipal Catch Basins**

- a. Describe when and how you conduct inspections of catch basins.
  - b. Describe the criteria used to determine when catch basins need to be cleaned.
- a. Municipal catch basins are visually inspected twice a year. Any collected solids are removed with a Vac truck and power washer.
  - b. During those typical inspections if debris is observed in the catch basins the same is removed immediately.

### **3. Municipal Conveyance System**

Describe when and how inspections of MS4 conveyance systems are conducted, and the criteria used to determine when they need to be cleaned. Include a description of the equipment and techniques used.

Conveyance systems are inspected in sections as groups of drainage inlets are checked. The conveyance system is also inspected on 2 additional occasions to meet the permit requirements of inspecting the system 4 times a year. If a blockage or partially clogged pipe is observed the line segment is immediately placed on the work scheduled. Lines are cleared with a Vac truck and jetting. Debris is pulled back into the down stream structure and sucked into the vac truck. Additional inspections are performed in excess of the required 4 if rain events exceed 1 inch.

### **4. Municipal Outfall Inspections – Stream Scouring**

Describe the program in place to detect, investigate, and control localized stream scouring from stormwater outfalls. Include a description of the equipment and techniques used.

A small section of the Town of Harrison is serviced by MS4's. The outfalls from the MS4's discharge to the Passaic River at bulkheads or Rip Rap protected slopes. Outfalls were inspected annually between 2005 and 2018. Since that time the permit modified inspection requirements to a 5 year cycle. On June 12, 2023 Outfalls 81, 82, 83 and 84 were inspected for stream scouring during low tide. No such scouring observations were made.

**5. Municipal Outfall Inspections – Illicit Discharge Detection and Elimination**

Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfalls. Include a description of the equipment and techniques used. Record cases of illicit discharges using the DEP's Illicit Connection Inspection Report Form from the Department's main stormwater webpage.

A small section of the Town of Harrison is serviced by MS4's. The outfalls from the MS4's discharge to the Passaic River at bulkheads or Rip Rap protected slopes. Outfall inverts are located beneath mean high water, there are times when the outlets are submerged and inspections must be conducted during low tide. Outlet pipes were inspected annually between 2005 and 2018. No dry weather flow was observed to date. Currently the permit has modified inspection requirements to a 5 year cycle. On June 12, 2023 Outfalls 81, 82, 83 and 84 were inspected for illicit discharge. No such scouring observations dry weather flow was observed. Records are maintained in the Town Engineer's office.

**6. Other Municipal Infrastructure**

List the types of MS4 infrastructure in your town that require inspection but are not noted above in items 1-5. Describe when and how you conduct inspections of this infrastructure and the criteria used to determine when they need to be maintained and/or cleaned.

The Town owns and maintains Stormceptors at Outfalls 82 and 83 as well as a Jellyfish Filter stormwater quality chamber at Outfall 81. The stormwater quality structures are inspected twice a year, as well as after major rain events (events exceeding 1").



**7. Stormwater Facilities Not Owned or Operated by the Municipality**

Describe your program for ensuring adequate long-term cleaning, operation, and maintenance of stormwater facilities not owned or operated by the municipality. This should include your plan for ensuring annual inspections are being done on these private properties and describe how you record the locations and logs associated with private infrastructure.

Correspondence has been generated since 2021 advising privately owned stormsewer operators of their responsibilities regarding cleaning, operating and maintenance of their stormwater facilities. Annual inspections are scheduled and performed by the department of public works.

**8. Infrastructure Records**

Indicate the location of records related to stormwater infrastructure inspection, cleaning, maintenance, and repair activities.

All inspection records are maintained at the Department of Public Works.

## Form 8 – Community-wide Measures

### *Part IV.F.2.*

#### **1. Herbicide Application Management**

Describe your program for preventing herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation.

The Town does not use herbicides to control roadside vegetation. The DPW regularly cuts and trims roadside vegetation with the same be placed in trucks and transported to a disposal site in accordance with local and state laws and regulations. If necessary cutting are placed in containers on impervious cover with the same being protected to prevent run on and associated runoff. Protection can be but is not limited to tarping.

#### **2. Excess Deicing Material Management**

Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.

Within 72 hours of the end of a storm event, the Town of Harrison removes any excess deicing material disposals by using front end loaders and shovels. The deicing materials are returned to the stock piles which are stored by the Town. Minor excess de-icing material removal may also be addressed with street sweeping equipment. Such excess materials are disposed of in a proper manner as other sweeping debris.

#### **3. Roadside Vegetative Waste**

Describe your program for ensuring proper pickup, handling, storage, and disposal of wood waste and yard trimmings generated by the permittee along municipal roads or on municipal properties (trimming trees, mowing, etc.).

Any wood waste and / or yard trimmings generated by the Town of Harrison are immediately picked up and disposed of in a labeled container which is located in the municipal yard. Trimmings generated by contractors are removed by the contractor and disposed of at an approved recycling facility.

#### **4. Roadside Erosion Control**

Describe your program to detect and repair erosion along municipal roadways.

All public roadways contained within the Town of Harrison are paved with curbs. The Department of Public Works instructs their sweeper operators to regularly check for street erosion during street sweeping operations. Annually the Town will perform roadside erosion inspections. Any deteriorated or displaced curbbing is repaired or replaced by the DPW or a designated contractor.



## Form 9 – Municipal Maintenance Yards & Other Ancillary Operations

### Part IV.F.5.

*Please complete a separate Form 9 for each yard or site. Indicate the number of yards/sites the municipality owns or operates: 1*

<b>1. Site Name and Address</b>	
600 Essex Street	
<b>2. Monthly Site Inspections</b> Describe the nature of inspections conducted at this site and the location of inspection logs.	
<p>The Town of Harrison performs regular inspections of the building and property located at the site. Inspections are performed no less than once a month for the purpose of determining possible sources of storm water contamination as well as verifying that good house keeping practices are being maintained.</p> <p>The Municipal Maintenance Yard is located in a combined sewer system while all the best management practices are implemented.</p>	
<b>3. Inventory List</b> List all materials and machinery that are potentially exposed to stormwater.	
<b>Materials</b>	<b>Machinery/Equipment</b>
None	None

<p><b>4. Discharge of Stormwater from Secondary Containment</b> Describe the process in place for discharging stormwater from secondary containment areas where outdoor containers are stored.</p>
<p>The Town of Harrison does not operate a Secondary Containment system. If and when such a system is used or needed the Town will comply with Attachment E. Currently there are no containers stored outdoors all equipment and stored materials are contained within the garage area.</p>
<p><b>5. Fueling Operations</b> Does fueling occur on site? If so, describe the BMPs in place to minimize contamination of stormwater from fueling activities. If not, explain where fueling takes place.</p>
<p>All vehicle fueling operations occur at the Harrison Fire Headquarters located at 630 Sussex Street. The fueling facility is located within a CSS(combined sewer system) area. Harrison still recognizes recommended fueling operations procedures in accordance with Attachment E of the permit.</p>
<p><b>6. Vehicle/Equipment Maintenance and Repair</b> Do you perform maintenance and repair on site? Is this conducted indoors or outdoors? If outdoors, describe the BMPs in place to minimize contamination of stormwater from maintenance and repair activities.</p>
<p>All vehicle maintenance occurs at the DPW yard located at 600 Essex Street. The property is located within a CSS(combined sewer system) area. The maintenance work is conducted within the storage garage located on the site. No maintenance work is undertaken within the exterior yard. Harrison still recognizes recommended maintenance practices in accordance with Attachment E.</p>
<p><b>7. Wash Wastewater Containment</b> Do you wash vehicles on site? If so, describe the BMPs in place to minimize contamination of stormwater from these activities. Note that on site containment structures require annual inspections by a NJ licensed professional engineer. If not, explain where vehicle washing takes place.</p>
<p>All vehicle washing occurs at the DPW yard located at 600 Essex Street. The property is located within a CSS(combined sewer system) area. Harrison still recognizes recommended maintenance practices in accordance with Attachment E. All runoff from vehicle washing is directed into the combined sewer system which conveys flow to the PVSC treatment plant.</p>

**8. Salt and Other Granular De-icing Materials**

Do you store salt and other granular deicing materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

The Town of Harrison does not store any de-icing materials within the area served by MS4s. The deicing materials are stored in an area severed by combined sewers. Deicing materials are stored under Route 280 viaduct where it is protected from precipitation. Per e-mail received by this office from NJ DEP on 11/15/07, de-icing material stockpile is exempt since it is stored in an area of the Town served by combined sewers. A copy of the map delineating combined sewer areas has been provided in the SPPP.

The Town of Harrison has also chosen to perform seasonal tarping of all de-icing material and comply with the loading and cleaning provisions outlined in Attachment E of the permit to minimize runoff from de-icing stockpile into the combined sewer system.

**9. Aggregate Material, Wood Chips, and Finished Leaf Compost**

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

Aggregate materials, wood chips and leaf compost are not stored at the DPW yards. If and when the same are stored at Town owned yard the storage will be in accordance with the permit. stockpiles will be located a minimum of 50' from surface water and components of the MS4 system. Areas will be swept clean and protected with tarps and / or other runoff controls.

**10. Cold Patch Asphalt**

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

Only pallets of bagged cold patch are stored in the Public Works Garage. There is no outdoor storage of Cold Patch Asphalt.

**11. Street Sweepings and Storm Sewer Cleanout Materials**

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

Road clean up materials are regularly disposed of in accordance with all local and state laws and regulations. Materials are placed in transport trucks for daily disposals. If necessary to store road clean up materials on a short term basis the same will be handled in accordance with Attachment E.

<p><b>12. Construction and Demolition Waste, Wood Waste, and Yard Trimmings</b>  Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>Construction and demolition waste are not stored at the DPW yards. If and when the same are stored at Town owned yard the storage will be in accordance with the permit. stockpiles will be located a minimum of 50' from surface water and components of the MS4 system. Yard trimming materials are not stored on site materials are placed in containers and picked up with regular household garbage in accordance with the Town's pick up schedule.</p>
<p><b>13. Scrap Tires</b>  Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>No</p>
<p><b>14. Inoperable Vehicles and Equipment</b>  Do you store inoperable vehicles or equipment on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater. If not, explain where they are stored.</p>
<p>No</p>



## Form 10 – Training

### *Part IV.F.6-10.*

<b>Stormwater Program Coordinators</b>
<b>Describe the training provided for the municipal Stormwater Program Coordinator.</b>
The Stormwater Program Coordinator has completed NJ DEP training for both the Stormwater Management Design Review Course as well as the Stormwater Management Rule Amendments.

Topic	Municipal Employees
Examples: in-person or virtual group sessions, e-Learning, field trainings, and videos Describe the training provided for municipal staff.	
SPPP	The storm water coordinator provides copies of the SPPP to the DPW and Health Departments for review and respective responsibilities. The DPW and Health Department will be advised of required inspections and record keeping requirements.
Construction Site Stormwater Runoff	Obtain in person and virtual group session training for active construction sites with 1 acre of disturbance or an increase of 1/4 acre of impervious cover.
Post-Construction Stormwater Management in New and Redevelopment	Video training provided for stormwater management and maintenance training. Field training also provided regarding inspection, cleaning and repairs of storm water facilities.
Community-wide Ordinances	Community educational information is provided on the Town's stormwater webpage. Information provided on the Harrison Team Facebook Page
Community-wide Measures	Community educational information is provided on the Town's stormwater webpage. Information provided on the Harrison Team Facebook Page. All storm drainage inlets and catch basins in MS4 areas have been labeled for further education.

Stormwater Facilities Maintenance	Video training provided for stormwater management and maintenance training. Field training also provided regarding inspection, cleaning and repairs of storm water facilities.
Municipal Maintenance Yards and Other Ancillary Operations	Video training provided for stormwater management and maintenance training. In person training provided during periodic morning meetings to review good house keeping and Best Management Practices.
MS4 Mapping	In Person training
Outfall Stream Scouring	In Person training and review of inspection forms
Illicit Discharge Detection and Elimination	In Person Training and review of inspection forms

<b>Stormwater Management Design Reviewers</b>
Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.
Design reviewers complete the mandatory NJ DEP training for Stormwater Management Design Review Course.



<b>Municipal Board and Governing Body Members</b>
Describe the training provided for members of the planning/zoning board and municipal council.
<p>The Governing Body and Municipal Boards are directed to complete "Asking the Right Questions" training as well as being provided copies of updated and new ordinances in connection with the MS4 permit.</p>

<b>Training Records</b>
Indicate the location of training records for the above required training.
<p>Training records are maintained at the DPW, Heath Department and Construction Office as applicable.</p>

## Form 11 – MS4 Mapping

### Part IV.G.1.

1. Provide a link to the most current MS4 outfall/infrastructure map.	
2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).	
a. MS4 outfalls	4
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	0
c. MS4 interconnections	
d. MS4 storm drain inlets	
e. MS4 manholes	
f. Length of conveyance (channels, pipes, ditches, etc.)	
g. MS4 pump stations	0
h. MS4 stormwater facilities (any that are not listed above)	3
i. Maintenance yard(s) and other ancillary operations	0
3. Describe how the municipality's outfall/infrastructure map is reviewed and updated to reflect any new or newly identified MS4 infrastructure (e.g., an outfall is closed, a new basin is constructed, ownership of an outfall has changed, etc.).	
4 Outfall maps were reviewed with no changes being noted. The infrastructure map is currently being compiled to show all of the above noted components.	
4. Describe how the municipality will create and update its MS4 Infrastructure Map.	
The Town will obtain the services of an engineering or surveying company to prepare the MS4 infrastructure map. The Town will provide as-built plans of all new MS4's which have been installed during prior new development or redevelopment projects.	

## Form 12 – Watershed Improvement Plan

### *Part IV.H.*

1. Describe how your municipality is developing its Watershed Improvement Plan.
The receiving water for the Town of Harrison is the lower Passiac River. A review of the TMDL Assistance Tool provided from NJDEP shows that the receiving water body has no established TMDL. The Town of Harrison will condition to follow the standards outlined in the permit to reduce pollutant loading. The Town has partnered with Resilient NJ which is performing a study to reducing flooding in the Town of Harrison.
2. Describe any regional projects or collaboration efforts with other municipalities.
The Town has no regional projects or collaborative efforts at the current time.
3. Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.
Meeting minutes for the Resilient NJ study are located at the Construction and Engineering Office.

