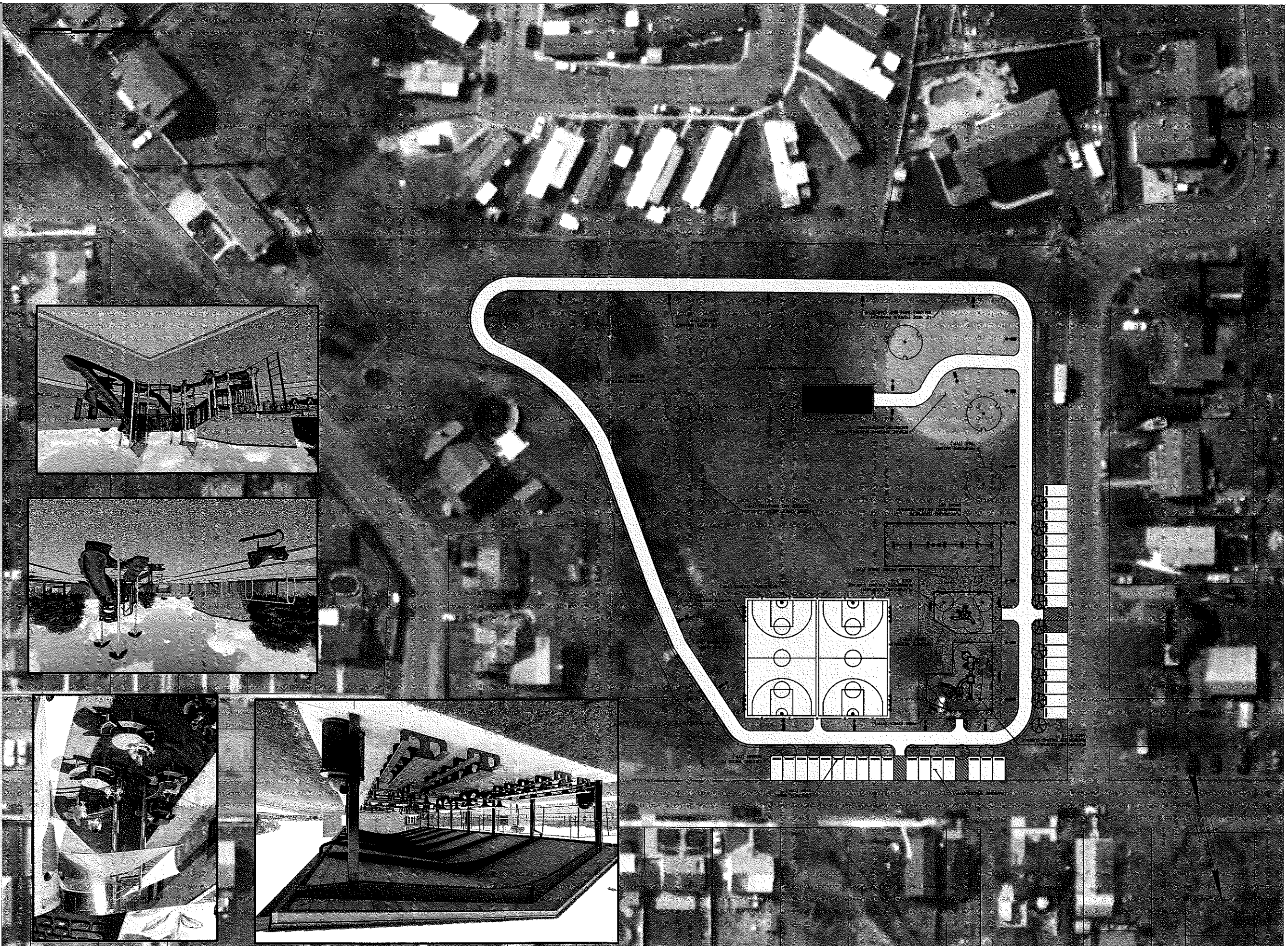


Exhibit E



DESIGNED BY	
AWD	
CHECKED BY	
EMD	
DRAWN BY	
DATE	9/24/20
SCALE	AS SHOWN
PROJ. NO.	HAZL-G2101

OF 1

1

SHEET

CONC

DRAWING

AND

YOUR GOALS. OUR MISSION.

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TEL: 732-871-7955
FAX 732-871-7956
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TOWNSHIP OF HAZLET
8TH STREET PARK IMPROVEMENTS
HAZLET TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY
CONCEPT PLAN

FRANCIS W. MULLAN, P.E., C.M.E.
CONSULTING ENGINEER

Francis W. Mullan

LICENSED PROFESSIONAL ENGINEER
STATE OF NJ LICENSE NO. 240800234000

6/10/21

[illegible]

**8TH STREET PARK
TOWNSHIP OF HAZLET
ENGINEERS ESTIMATE**

Exhibit E

NO.	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
1	SITE WORK	LS	\$25,000.00	1	\$25,000.00
2	SOIL EROSION AND SEDIMENT CONTROL	LS	\$2,500.00	1	\$2,500.00
3	NJDOT OGFC SURFACE COURSE, 2" THICK	TON	\$100.00	280	\$28,000.00
4	HMA 9.5M64 SURFACE COURSE STONE MIX I-5, 2" THICK	TON	\$100.00	125	\$12,500.00
5	NJDOT DRAINAGE BASE COURSE, 4" THICK	TON	\$100.00	560	\$56,000.00
6	HMA PAVEMENT FABRIC	SY	\$5.00	1,040	\$5,200.00
7	BASKETBALL COURT COLORCOATING	SY	\$15.00	1,040	\$15,600.00
8	AASHTO NO. 2 STORAGE COURSE	TON	\$50.00	1,000	\$50,000.00
9	BASKETBALL POST, BACKBOARD, RIM & CONCRETE FOOTING	UN	\$5,000.00	4	\$20,000.00
10	SPORTS LIGHTING, 25' HIGH	UN	\$12,500.00	4	\$50,000.00
11	LOW LEVEL WALKWAY LIGHTING	UN	\$4,000.00	26	\$104,000.00
12	6" UNDERDRAIN	LF	\$35.00	300	\$10,500.00
13	18" INLINE DRAIN	UN	\$400.00	4	\$1,600.00
14	6"X12" FLUSH CONCRETE VERTICAL CURB	LF	\$30.00	600	\$18,000.00
15	CONCRETE SIDEWALK, 4" THICK	SY	\$75.00	400	\$30,000.00
16	CONCRETE WHEEL STOP	UN	\$100.00	34	\$3,400.00
17	PAVEMENT STRIPING	LF	\$1.00	1,000	\$1,000.00
18	CHAIN LINK FENCE, 4' HIGH	LF	\$35.00	1,350	\$47,250.00
19	CHAIN LINE FENCE, 10' HIGH	LF	\$75.00	400	\$30,000.00
20	PARK BENCH	UN	\$2,500.00	4	\$10,000.00
21	PICNIC TABLE	UN	\$3,000.00	4	\$12,000.00
22	RECREATIONAL PAVILION	UN	\$100,000.00	1	\$100,000.00
23	PLAYGROUND EQUIPMENT	LS	\$115,000.00	1	\$115,000.00
24	PLAYGROUND FALLING SURFACE	LS	\$100,000.00	1	\$100,000.00
25	3/4" CLEAN STONE, 4" THICK	SY	\$25.00	300	\$7,500.00
26	MATURE SHADE TREE	UN	\$2,500.00	7	\$17,500.00
27	MATURE EVERGREEN TREE	UN	\$2,000.00	10	\$20,000.00
28	SECURITY SYSTEM	LS	\$75,000.00	1	\$75,000.00
29	IRRIGATION	LS	\$50,000.00	1	\$50,000.00
30	SODDING	SY	\$15.00	8,000	\$120,000.00
31	BORROW TOPSOILING, 4" THICK	SY	\$5.00	8,000	\$40,000.00
SUBTOTAL					\$1,177,550.00
CONTINGENCY (5%)					\$58,877.50
TOTAL					\$1,236,427.50

I, FRANCIS W. MULLAN, P.E., C.M.E., TOWNSHIP ENGINEER, CERTIFY THAT THIS TABULATION IS CORRECT

Francis W. Mullan

DATE: 6/10/21

Timestamp

5/19/2021 11:19:18

Final Publication Date

5/20/2021

Ad Number

GCI0654609

Publication

Asbury Park Press

Market

Asbury Park Press

Delivery Method

Email

Number of Affidavits Needed

1

Customer Name

Hazlet Township

Account Number (If Known)

009509

Customer Email

AEng@hazletnj.org

Your Name

Ashley

Email Address

abreedon@localiq.com

AFFIDAVIT OF PUBLICATION

STATE OF WISCONSIN

Brown County

Personally appeared

Leteen

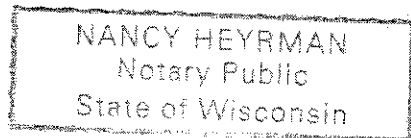
Of the Asbury Park Press, a newspaper printed in Freehold, New Jersey and published in Neptune, in the State of New Jersey and Monmouth/Ocean Counties, and of general circulation in Monmouth/Ocean Counties, who being duly sworn, depose and saith that the advertisement of which the annexed is a true copy, has been published in the said newspaper 1 time(s), once in each issue as follows:

5/20/2021 A.D 2021

Nancy Heyrman
Notary Public, State of Wisconsin, County of Brown

My commission expires

5.15.23



ATTENTION HAZLET RESIDENTS

The Mayor and Township Committee will conduct a public hearing on June 7, 2021 at 8:00 P.M. at the Hazlet Township Municipal Building 1766 Union Avenue, Hazlet, NJ on the contents of a NJ Department of Environmental Protection Urban Parks Grant Application and the Green Acres Local Government Assistance Grant Application to be submitted to the NJ Department of Environmental Protection Green Acres for the Park Development of 8th Street Park Complex Located on 8th Street in Hazlet, New Jersey Block 30, Lot 31

Project Name: North Hazlet Community Park

Due to the restrictions necessitated by COVID-19 this hearing will be open to the public via Zoom. The link for the Zoom meeting will be on the Hazlet Township website: www.hazlettwp.org.

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AP-GC/065469-9

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HAZLET TOWNSHIP
1766 UNION AVE
HAZLET, NJ 07730

Client:

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1766 UNION AVE
HAZLET, NJ 07730

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Run Dates: 5/20/2021

Check #: _____

Date: _____

CERTIFICATION BY RECEIVING AGENCY
I, HAVING KNOWLEDGE OF THE FACTS, CERTIFY AND DECLARE THAT
THE GOODS HAVE BEEN RECEIVED OR THE SERVICES RENDERED AND
ARE IN COMPLIANCE WITH THE SPECIFICATIONS OR OTHER
REQUIREMENTS, AND SAID CERTIFICATION IS BASED ON SIGNED DELIVERY
SLIPS OR OTHER REASONABLE PROCEDURES OR VERIFIABLE
INFORMATION.

SIGNATURE: _____

CERTIFICATION BY APPROVAL OFFICIAL
I CERTIFY AND DECLARE THAT THIS BILL OR INVOICE IS CORRECT, AND THAT
SUFFICIENT FUNDS ARE AVAILABLE TO SATISFY THIS CLAIM, THE PAYMENT
SHALL BE CHARGEABLE TO:

APPROPRIATION ACCOUNT(S) AND AMOUNTS CHARGED: P.O. #

SIGNATURE: _____

TITLE: _____ DATE: _____

CLAIMANT'S CERTIFICATION AND DECLARATION.

I DO SOLEMNLY DECLARE AND CERTIFY UNDER THE PENALTIES OF THE LAW THAT THIS BILL OR INVOICE IS CORRECT IN ALL ITS PARTICULARS; THAT
THE GOODS HAVE BEEN FURNISHED OR SERVICES HAVE BEEN RENDERED AS STATED HEREIN; THAT NO BONUS HAS BEEN GIVEN OR RECEIVED BY
ANY PERSON OR PERSONS WITHIN THE KNOWLEDGE OF THIS CLAIMANT IN CONNECTION WITH THE ABOVE CLAIM; THAT THE AMOUNT HEREIN STATED IS
JUSTLY DUE AND OWING; AND THAT THE AMOUNT CHARGED IS A REASONABLE ONE

Date: 5/20/2021

Federal ID #: 061032273

Signature

Official Position:

June 7, 2021

AGENDA

Regular Meeting of the Hazlet Township Committee held at 8:10 p.m.

Salute to the flag and moment of silent prayer called by the Mayor.

Mayor's Statement – Open Public Meetings Act.

In Compliance with the "Open Public Meetings Act" of the State of New Jersey, adequate notice of this meeting of the Township Committee was provided in the following manner:

- (A) On May 18, 2021, advance written notice of this meeting was posted at:
1766 Union Avenue, Hazlet, New Jersey
- (B) On May 18, 2021, advance written notice of this meeting was forwarded to the Independent and published in the Asbury Park Press on May 21, 2021.
- (C) On May 18, 2021, copies of advance written notice of this meeting were mailed to all persons who requested and paid for such notices on or before January 1, 2021.
- (D) On May 18, 2021, the Notice for this meeting stated that it will be open to the public via Zoom and the link for the Zoom Meeting will be on the Hazlet Township Website.

Time will be allotted for public comment at this meeting. Each speaker will be allotted a 5 minute time limit when recognized by the Mayor. Individuals wishing to address the Committee, shall give their name and address. Although the Township Committee encourages public participation, it reserves the right, through the Mayor, to terminate remarks to and/or by an individual not in keeping with the conduct of a proper and efficient meeting. The Township Committee will not, during the public portion of this meeting, discuss matters involving any specific, prospective or current employee.

Finally, let the record reflect that the minutes of this meeting will accurately reflect the topics addressed during this meeting but will not be a verbatim transcript of tonight's proceedings. Thank you. I direct the Municipal Clerk to enter into the minutes of this meeting these announcements.

ROLL CALL

PRESENT

ABSENT

Committeeman Aagre

_____ X _____

Committeeman Glackin

_____ X _____

Committeeman McKay

_____ X _____

Deputy Mayor Sachs

_____ X _____

Mayor Clark

_____ X _____

Approval of Executive Session Minutes – April 6, 2021, April 20, 2021 and May 18, 2021.

Offered Deputy Mayor Sachs

2nd Committeeman McKay

Roll Call: Committeeman Aagre Absent

Committeeman Glackin Yes

Committeeman McKay Yes

Deputy Mayor Sachs Yes

Mayor Clark Yes

1. PUBLIC HEARING ON A NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION URBAN PARKS GRANT APPLICATION AND THE GREEN ACRES LOCAL GOVERNMENT ASSISTANCE GRANT APPLICATION FOR EIGHTH STREET PARK, BLOCK 30, LOT 31.

Published in Asbury Park Press, issue of May 20, 2021. Proof on file.
Hearing scheduled for June 7, 2021.

Hearing:

Mayor Clark: We are going to have the conceptual plan of the 8th Street Park renovations put on the display. I open this to the public as part of this public hearing. If anyone would like to make any comments in regards to the grant application(s) please give us your name and address, raise your hand and we will have our moderator call on you. I see that we have twelve attendees would anyone like to speak in regards to this application? This conceptual plan was prepared by our engineer T&M Associates. They were based on the feedback of our core group in the 8th Street area of West Keansburg in Hazlet. They are comprised of two basketball courts, two playground systems – one for younger children and one for older children. A pavilion where the public will be able to have events and recreational activities. There is a large swing set, an open area in the middle and along the playground there will be tables, benches and shaded overhangs for the public so that they can enjoy the facility and be able to see the children that are playing in the playground. One of the bigger ideas for this plan is that a trail will be placed around the circumference of the park. We had a lot of feedback from the public that they would love to be able to jog and walk with their children. Children will also be able to ride their bikes as well. In addition, we will also make improvements to the parking spaces to create a better parking facility for residents. Everything on the playground will be ADA compliant.

Deputy Mayor Sachs: I'm looking at this plan. I think it is a huge improvement. I grew up in that park. I think it looks awesome. I hope we get these grants so this park can become what it looks like in this rendition. I truly do. It would be a big plus for that whole side of Town.

Mayor Clark: We are going to have a rolling grant process. The Urban Parks grant is due June 15, 2021 and the Green Acres grant is due June 30, 2021. The proposal that you see right here in the presentation now has an approximate cost of \$1.2 million dollars. One of the most important items in this park improvement plan is to have a security system in place to make sure that it is well protected for the safety of the people who come to enjoy the park. New and improved

lighting throughout will also be installed keeping the park well lit especially in the evenings. We want benches throughout the park so people can sit down. This is a very big component with some of our seniors from the surrounding area who said they would love to stroll and then be able to sit down on the benches to rest. This is a conceptual plan. These are basically the main components that we wanted to submit with all the applications.

Deputy Mayor Sachs: It looks great.

Bill Shewan: My name is Bill Shewan and I live on Mason Drive. I just wanted to say that I hope the grants go through. It sounds like a win win for the Town and particularly for that section of the Township. This is well thought out and is something that is needed. I hope all goes through.

Mayor Clark: Thank you so much Mr. Shewan. When I met with members of the community to show the conceptual plan that Saturday, they were very excited because it really will increase community engagement and we think that it will be so beneficial to the entire neighborhood. Our goal was to have entertainment in the parks. Not just at Veterans Park where we usually have the programs, but to roll it out to all our pocket parks in various locations throughout the Township. We would love the other parts of the community to go over to 8th Street Park to see recreational movies and music in the park and also to be able to offer recreational activities for the children. So for summer recreation, they will not have to come all the way to Veterans Park but they can have it right on site there in their own neighborhood. With this conceptual plan we can make it possible.

Mr. Shewan: With a park of this size, people can enjoy a lot of functions that can happen there.

Dan Smith: My name is Dan Smith and I live on 8th Street. I just wanted to say that I really hope this grant goes through. I was thinking after we had met that something as simple as a park like this is something that our neighborhood really truly needs. You guys are great for actually coming down here to see how badly in shape this park really is. I really hope you can do your best to make this happen. This needs to happen. One of the things that was said was that you were questioning bringing the funds down here to this section of the Town. This is more of a reason to bring the funds down here and better the place so that you can change the people who are down here. We definitely need this big time. I hope you all can make this happen. I really appreciate this.

Deputy Mayor Sachs: We will do our best to make sure it does happen. It is important for the people in the neighborhood to keep an eye on things.

Mayor Clark: We will try our very best. Mr. Smith please reach out to as many of your neighbors as you can to spread the word and any letters of support you can get from them to submit with our applications will be much appreciated. Thank you.

Motion to close hearing:

Offered: Deputy Mayor Sachs

2nd Committeeman McKay

Voice vote: Yes



Exhibit G

TOWNSHIP OF HAZLET

TARA CORCORAN-CLARK
Mayor

MICHAEL C. SACHS
Deputy Mayor

SCOTT AAGRE, AIA
MICHAEL GLACKIN
JAMES "SKIP" MCKAY
Township Committee

June 2021

DEPARTMENT OF RECREATION

1766 UNION AVENUE
POST OFFICE BOX 371
HAZLET, NEW JERSEY 07730
TEL: 732-264-1700
FAX: 732-739-6830
<http://www.hazletwp.org>

DENNIS PINO
Municipal Administrator
CHIEF ADMINISTRATOR OFFICER

CHRISTOPHER MCMANUS
RECREATION DIRECTOR

Dear Residents of West Keansburg section of Hazlet Township,

Hazlet Township is pleased to announce that there is now a plan in place to make substantial improvements to 8th Street Park, located at the corner of 8th Street & Brown Avenue. The Township recognizes that this park is outdated and underutilized in a section of town that does not have other recreational spaces for residents. The entire park is located within a 100-year flood zone. Maintaining this area as open space is beneficial for floodwater storage as well as reducing risks to life and property during flood events in this section of town.

The vision for this proposed project has been shaped by input from the community and will include ADA-compliant playground equipment, basketball courts, shaded picnic tables, a pavilion for activities such as group classes and music performances, an open field for sports and events and walking/jogging track along the periphery of the park. Safety improvements will be included such as updated lighting, a security system and a reconfigured safer parking area. (See the plan on the flip side of this page, or go to www.HazletTwp.org/Recreation.)

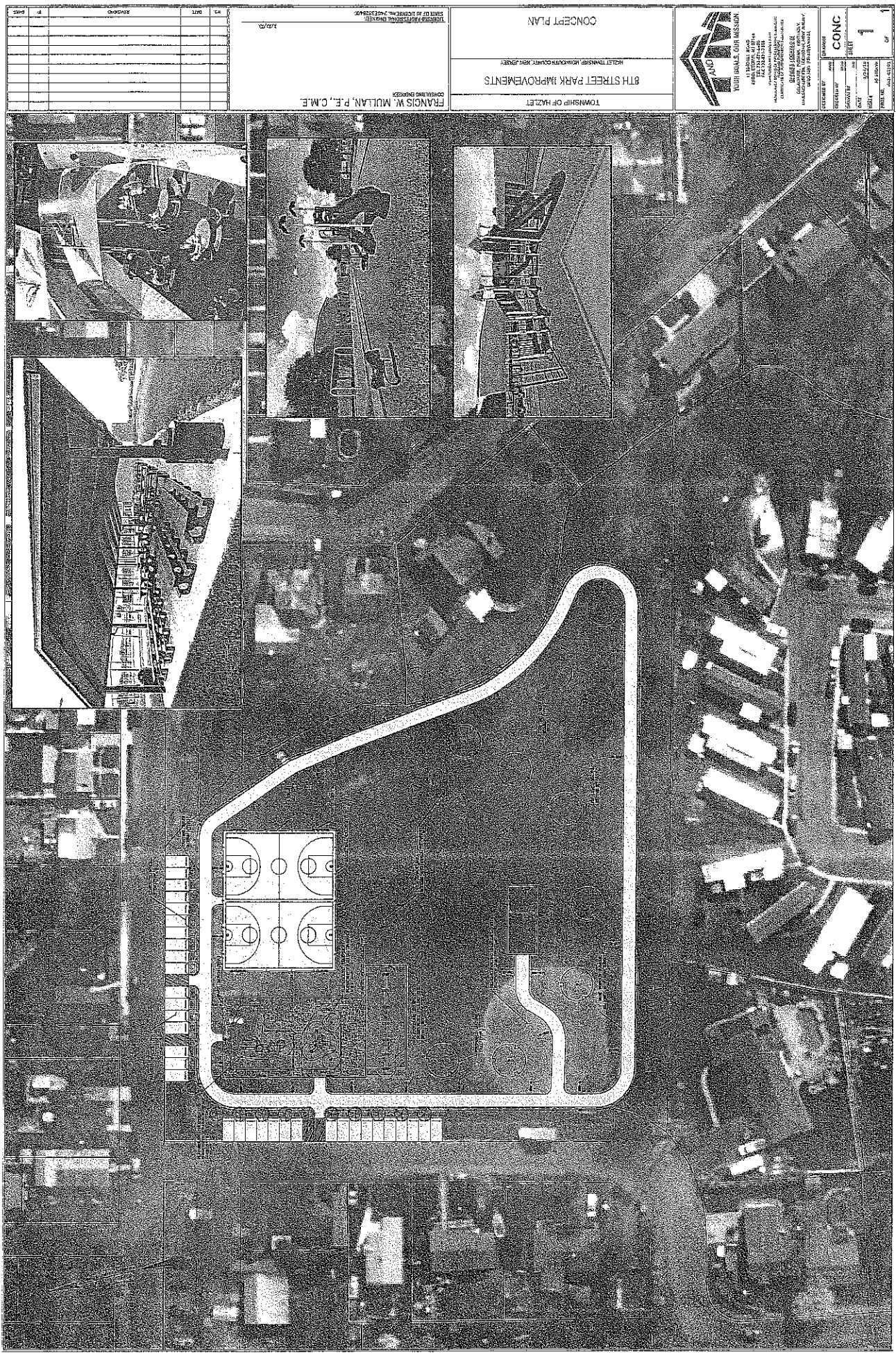
The Hazlet Recreation Department cordially invites you, and your family, friends and neighbors to our first outdoor concert at 8th Street Park on Thursday, July 8th. The new Hazlet Pops community band will play a Broadway-themed program with over 50 musicians. The band is under the direction Raymond Lahaye, the leader of the Raritan High School Marching Band. The music starts at 7 pm. After the concert we will show the film *Mamma Mia!* on the big screen under the stars. Please bring a chair or blanket to watch. The Hazlet Pops will be playing every Thursday night around town for the month of July. For a full list of events, see the Recreation webpage

As a West Keansburg native myself, I am happy to see improvements at the 8th Street Park and I am excited to bring more Recreation Dept. events to this side of the town.

Please feel free to reach out to the Recreation Office at 732-217-8648 or via email cmcmanus@hazletnj.org if you have any questions.

Sincerely,

Christopher McManus Hazlet Recreation Director



DATE	1/1/20
BY	FRANCIS W. MULLAN, P.E., C.M.E.
FOR	TOWNSHIP OF HAZLET
PROJECT	8TH STREET PARK IMPROVEMENTS
CONC.	1
SHEET	1
SCALE	AS SHOWN
PROJECT NO.	100-00000
DRAWN BY	FRANCIS W. MULLAN, P.E., C.M.E.
CHECKED BY	FRANCIS W. MULLAN, P.E., C.M.E.
APPROVED BY	FRANCIS W. MULLAN, P.E., C.M.E.

FRANCIS W. MULLAN, P.E., C.M.E.
 CONSULTING ENGINEER
 1000 N. 10TH AVE.
 SUITE 100
 HAZLET, MI 49426
 TEL: 269-221-1100
 FAX: 269-221-1101
 WWW.FWMCME.COM

TOWNSHIP OF HAZLET
 8TH STREET PARK IMPROVEMENTS
 HAZLET TOWNSHIP, HAZLET COUNTY, MI 49426

TOWNSHIP OF HAZLET
 8TH STREET PARK IMPROVEMENTS
 HAZLET TOWNSHIP, HAZLET COUNTY, MI 49426

DATE	1/1/20
BY	FRANCIS W. MULLAN, P.E., C.M.E.
FOR	TOWNSHIP OF HAZLET
PROJECT	8TH STREET PARK IMPROVEMENTS
CONC.	1
SHEET	1
SCALE	AS SHOWN
PROJECT NO.	100-00000
DRAWN BY	FRANCIS W. MULLAN, P.E., C.M.E.
CHECKED BY	FRANCIS W. MULLAN, P.E., C.M.E.
APPROVED BY	FRANCIS W. MULLAN, P.E., C.M.E.

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Community Engagement - Facebook

Exhibit H



West Keansburg's Annual Block Party
June 27 at 10:16 PM · 🌐

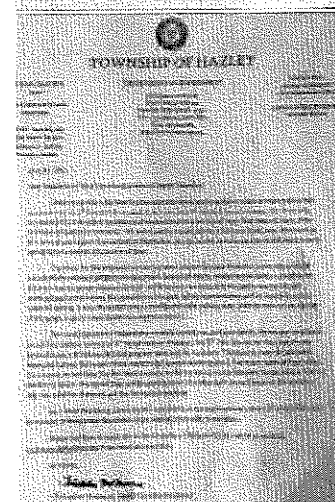
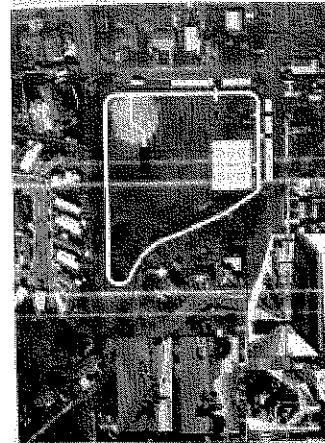
From Mayor Tara Corcoran-Clark ·
See below. Big things proposed for the 8th Street Park.



Tara Corcoran-Clark ► West
Keansburg's Annual Block Party

16h · 🌐

Hazlet Township is working on plans to renovate 8th St. Park in West Keansburg to develop a beautiful park for the community. Drawings of Engineer's Conceptual Plans to be submitted in the next two weeks with Urban and Green Acre grant applications include a track surrounding the park, 2 new playground sets (ADA compliant) with shaded picnic tables and benches, 1 large multi-seat swing set, 2 basketball courts for shooting hoops (fenced), pavilion for multi-generational entertainment and recreational activities, paved parking, lights and benches throughout park, additional trees/ vegetation, irrigated turf, and a high-definition security system for 24/7 surveillance by police.



👤 Michael Skrots, John Powers and 8 others

2 Shares



Like



Comment



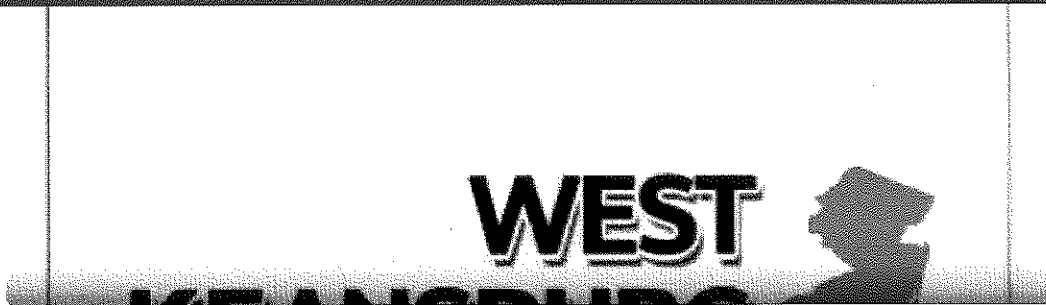
Share



Write a comment...



Community Engagement - Facebook



I grew up in West Keansburg, NJ

Private group · 565 members



Invite

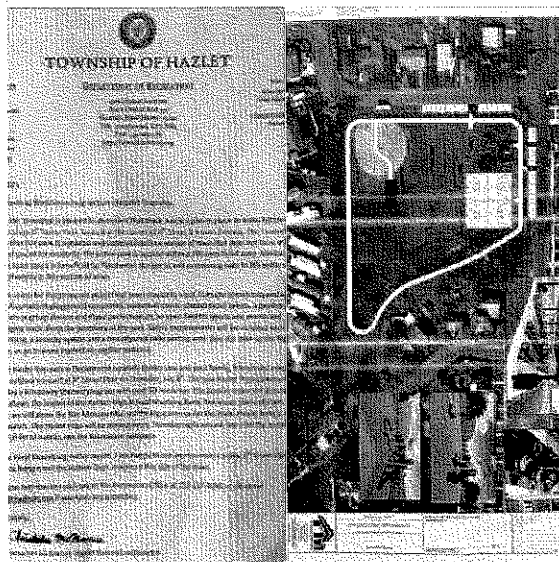
About Discussion Rooms Topics Members Events Media



Tara Corcoran-Clark

June 28 at 5:17 PM · 🌐

Hazlet Township is applying for Urban Space and Green Acres Grants to renovate 8th St. Park. The engineer's conceptual plans will be submitted with the grant applications. The township wants a beautiful park for the entire community to enjoy and to offer recreational and entertainment in West Keansburg beginning with our two summer concerts coming soon in July!



👍👍 Michael Skrots, Joe Schroeck and 44 others · 23 Comments

👍 Like

💬 Comment

All Comments ▾



Judy Gelpke

It needs it, hasn't changed in dozens of years. Took my kids there and they are in their 40's and 50's

Like · Reply · 1d

👍 1



Helen Warren

Awesome 🌟🌟 1

Like · Reply · 1d



Steve Nicholl Sr.

Wonderfull! I grew up in that park!!

Like · Reply · 1d

👍 3

👉 🌐 Holmes Gormerley replied · 3 Replies



Ed LaVolpe

About

West Keansburg is an unincorporated community located within Hazlet Township, Monmouth County, New Jersey. Its total land area is estimated at 1... [See More](#)

🔒 Private

Only members can see who's in the group and what they post.

👁 Visible

Anyone can find this group.

👤 General

8/7 West Keansburg's Annual Block Party

Intro

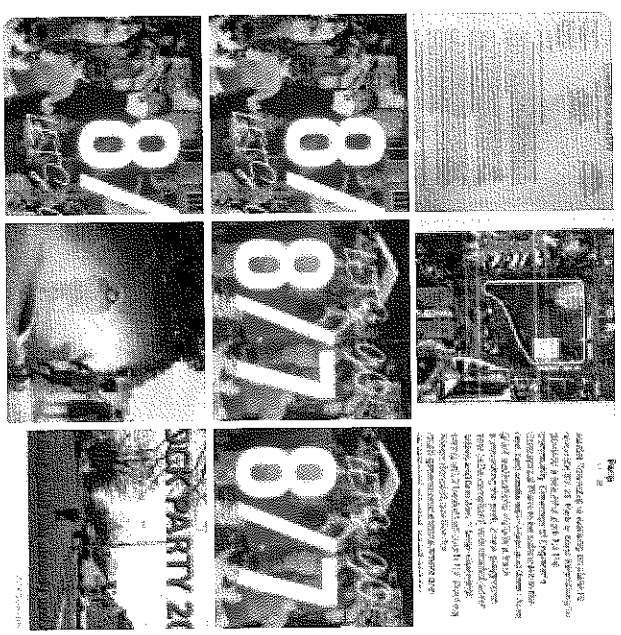
419 Followers

Page · Entertainment Website

wkblockparty@verizon.net

Photos

See All Photos



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WRITE a comment...

Following

Message

8/7 West Keansburg's Annual Block Party
June 27 at 10:16 PM · 🌐

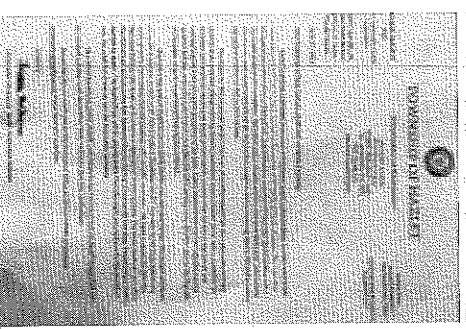
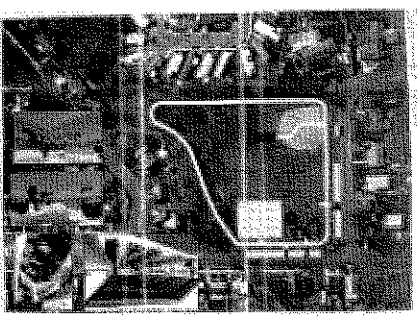
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16h · 🌐

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Michael Skarots, John Powers and 8 others

2 Shares



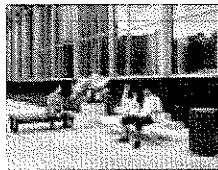
Desired Multipurpose Seating for Teens



MENU 

< Previous Next >

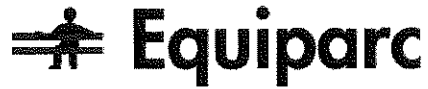
EP 1792



Project Name: North Hazlet Community Park

Location: 8th Street Hazlet, NJ – Block 30, Lot 31

Multipurpose Bench

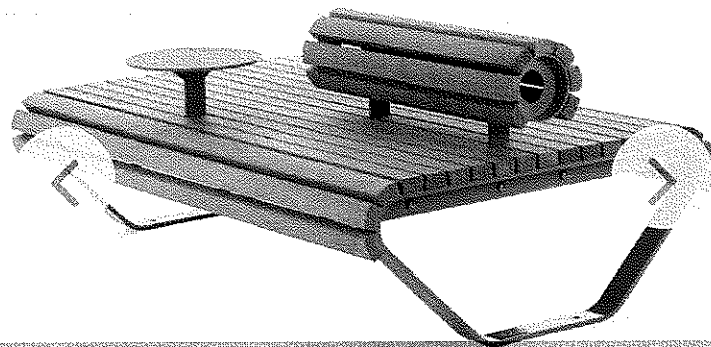


MENU 

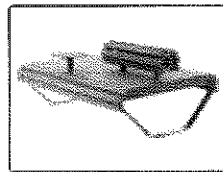
[< Previous](#) [Next >](#)

EP 1792

X



EP 1792.DFP-P-RB-T3



MTL Bench

Bench offered with wood, recycled plastic or painted aluminum covering.

Hot dipped galvanized steel and aluminum, painted with a polyester powder coat.

Project Name: North Hazlet Community Park

Location: 8th Street Hazlet, NJ – Block 30, Lot 31

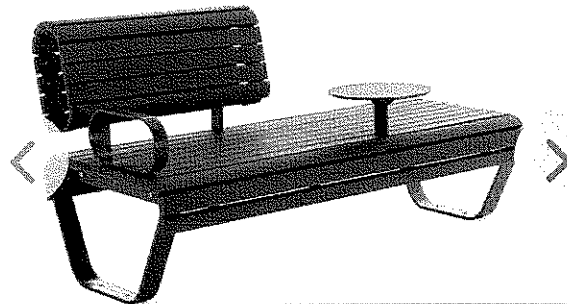
Multipurpose Bench 2



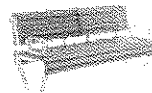
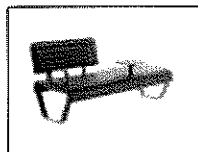
MENU 

< Previous Next >

EP 1791



EP 1791-IPE-PRB-RAT3



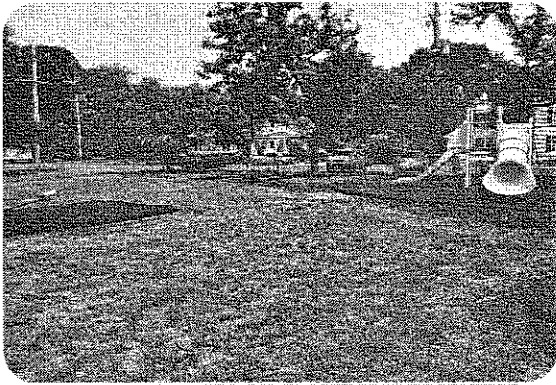
MTL Bench

Bench offered in wood, recycled plastic or painted aluminum covering.

Frame made of hot dipped galvanized steel and aluminum, painted.

Project Name: North Hazlet Community Park

Location: 8th Street Hazlet, NJ – Block 30, Lot 31



PREPARED FOR:

Township of Hazlet
Hazlet Municipal Building
1766 Union Ave.
Hazlet NJ 07730

PREPARED BY:

T&M Associates
11 Tindall Road
Middletown, NJ 07748

ENVIRONMENTAL
ASSESSMENT REPORT

8th STREET PARK
REDEVELOPMENT PROJECT

BLOCK 30, LOT 31
TOWNSHIP OF HAZLET
MONMOUTH COUNTY, NEW JERSEY

T&M PROJECT NO. HAZL-62101
June 2021





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- Appendix C -Environmental Constraints Map
- Appendix D FEMA Flood map
- Appendix E Color Photographs
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1.0 OVERVIEW AND EXISTING CONDITIONS

On behalf of the Township of Hazlet, T&M Associates is submitting an Environmental Assessment in support of an Urban Parks Grant Application. The proposed project includes the redevelopment of an existing public park in the Township of Hazlet, Monmouth County, NJ.

8th Street Park encompasses approximately 3.75 acres+/- and is located on 8th street and Brown Avenue. The park is situated in a residential area within Hazlet Township and is identified as Block 30, Lot 31. The park features a basketball court, baseball field, two playgrounds and open space.

2.0 PROPOSED ACTIVITIES

The park is in need of updated amenities and improved park facilities. The park is underutilized and run down. The proposed project involves the walkway with lighting, basketball court, playground and swing sets with concrete walkway, park benches, picnic tables and a pavilion. The rest of the area will be open space with mature trees planted. The existing trees and vegetation will be preserved as much as possible. The baseball field will be removed.

They mayor has met on site with residents to discuss the overall project. There were several iterations of the concept plan, with minor changes to the layout and amenities. There have been two meetings with the residents during the planning phases of this project, with the most recent meeting over June 5th weekend. A public hearing was held on June 7, 2021 with the Township Committee. The residents are very supportive of the proposed design and are excited to see this project come to fruition.

3.0 ENVIRONMENTAL INVENTORY

3.1 Vegetation

The majority of the park is landscaped with native trees and shrubs, and grass lawn. The property is well maintained by professional landscapers. The existing trees and vegetation will be preserved as much as possible.

3.2 Wildlife

Several mammals (squirrel and chipmunk) and bird species (Heron and geese) were observed during site visit. Wildlife species expected to be found in the project area include those species which typically co-habituate with humans such as eastern cottontail



rabbits (*Sylvilagus floridanus*), gray squirrel (*Sciurus carolinensis*), eastern chipmunk (*Tamias striatus*), opossum (*Didelphis virginiana*), and groundhog (*Marmota monax*), along with a wide variety of avian (bird) species which pass by to nearby forested areas to rest and feed.

Based upon review of NJDEP Digital GIS Data, Landscape Project Data Version 3.3, the site is identified as containing habitat for Rank 1 Species Habitat as Riparian Corridor. Rank 1 habitat patches do not have any listed State or Federal Threatened Species listed. However, it does not mean that the property is not necessarily absent of imperiled or special concern species. Patches with a lack of documented occurrences may not have been systematically surveyed. Thus, the Rank 1 designation is used for planning purposes, such as targeting areas for future wildlife surveys.

3.3 Soils

According to the Natural Resource Conservation Service, the site is mapped to contain Klej loamy sand – Urban Land (KkhB) (0-5% slope) and Urban Land Klej Complex (0-2% slope). The Klej component makes up 55 percent of the map unit. Slopes are 0 to 5 percent. This component is on dunes on North Atlantic coastal plains. The parent material consists of unconsolidated sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches (depth from the mineral surface is 14 inches) during January, February, March, April, December. Organic matter content in the surface horizon is about 85 percent. Below this thin organic horizon the organic matter content is about 2 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria.

The Urban Land Klej component makes up 30 percent of the map unit. Slopes are 0 to 2 percent. This component is on broad interstream divides on coastal plains. The parent material consists of sandy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches (depth from the mineral surface is 10 inches) during January, February, March, April, December. Organic matter content in the surface horizon is about 85 percent. Below this thin organic horizon the organic matter content is about 2 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Please refer to the soil map for additional information on location of the underlying soil.



3.4 Topography

The site generally graded from the high points along the adjacent roadway at the northern portions of the site to areas in lower elevation at the southern portions of the site.

3.5 Geology

According to the NJ GIS data for the project area, the project is underlain by the surficial geology consisting of sand, pebble gravel, minor silt and cobble gravel; reddish brown, yellowish brown, reddish yellow. As much as 30 feet thick from late Pleistocene, late Wisconsinan.

According to the NJ GIS data for the project area, the project is underlain by the Woodbury Formation clay/silt.

3.6 Surface Waters

There are no surface waterbodies on the park property. Thorns Creek is located approximately 400 Feet west of the site and an Unnamed Tributary to Thorn Creek is located approximately 400 feet north of the site. According to FEMA Flood Data, effective Map Community Panel, from 2014, the site is located within the FEMA Flood Zone AE elevation 12 feet (NAVD88). A copy of the FEMA Flood Map is included in Appendix D.

3.7 Historic Resources

A review of the New Jersey and Federal Registers of Historic Places was performed to determine whether the site or immediately adjacent sites were listed. As per the register dated 3/23/21, there are no listed historic resources onsite or near the site.

3.8 Transportation/Access to the Site

The park is situated in a residential area and is very easily accessible for pedestrian access. There is an area for street parking for people who need to drive to the park. The neighborhood setting is very pedestrian friendly.

3.9 Adjacent Land Uses/Description of the surrounding neighborhood

The park is situated in a residential area and is within walking distance for people living nearby. There are wooded uplands on the eastern portion of the park. There is a lot of open space for passive recreation, and a baseball field and basketball court. There are two playgrounds and benches for sitting. The surrounding neighborhood is entirely residential.



4.0 ENVIRONMENTAL IMPACTS

Impacts are defined as direct or indirect changes in the existing environment, whether beneficial or adverse, that are anticipated as a result of the proposed action or related future actions and uses. Any off-site impacts, such as increased traffic on neighborhood roads or increased noise levels in surrounding areas, should be described. Whenever possible, environmental impacts should be quantified (i.e., number of trees to be removed, cubic yards of cut/fill, etc.).

- a. Discuss all affected resources and the significance of each impact
- b. Discuss short-term and long-term project impacts
- c. Discuss anticipated increase in recreation and overall use of site over time
- d. Identify adjacent environmental features that may be affected by the proposal
- e. List any permits required for project and brief status (i.e., waterfront development)
- f. Discuss if/ how the project may be impacted by sea level rise and any related design considerations.

The redevelopment of the park is anticipated to have no impact to the adjacent natural resources onsite. All soil erosion and sediment control measures will be in place during construction to prevent any downstream impacts due to siltation. Best Management Practices will be implemented to the greatest extent possible, and the goal is to keep the existing trees in place with little to no impact on existing vegetation.

The following sections describe how the project will not impact the special natural resources within the park property.

4.1 Vegetation

Some of the existing vegetation (grass lawn) may be temporarily impacted to allow for construction activities. However, the project will not result in the loss of forest, scrub/shrub area, or critical wildlife habitat. The existing vegetation will be preserved to the maximum extent possible.

4.2 Wildlife

Impacts from noise, dust, and site disturbance, along with human activity during the construction activities generally cause the greatest stress among the wildlife communities. Since much of the project area does not provide habitat, wildlife populations which may exist in the area are expected to disperse from the immediate area during installation activities; however, they will return upon completion of construction. Minimal stress will occur on the species indigenous to this habitat. After construction, disruption of local communities will cease and indigenous wildlife populations will return and continue to inhabit the area.



4.3 Geology

The construction of the park amenities will not result in the disturbance to the geology onsite.

4.4 Topography

The redevelopment of the park will not result in the change of topography onsite. The proposed project does not include any placement of fill material or cutting into the existing substrate. The intent is to maintain existing drainage pattern.

4.5 Soils

The proposed construction activities will involve minor temporary disturbance to the substrate. The machinery used to construct the park amenities will use the proper soil erosion and sediment control measures to ensure the impacts to the substrate is minimized to the greatest extent possible. If the machinery requires track/ground protection, the contractor will work with the Township to ensure the least amount of ground disturbance will occur.

4.6 Water Resources

No waterbodies will be adversely impacted during construction activities. All proposed Soil Erosion and Sediment Control Measures and Best Management Practices will be implemented prior to start of construction to protect any downstream resources.

4.7 Historic/Archaeological Resources

As noted in Section 3.7, a review of the New Jersey and Federal Registers of Historic Places was performed to determine whether the site or immediately adjacent sites were listed. Neither the site nor adjacent sites are listed on the Registers. As such, no further investigations on Historic or Cultural Resources were completed.

4.8 Transportation/Access to the Site

The park improvements will not impact the transportation or access to the site. There will be new parking proposed which will improve parking access to the site. However, no other impacts are expected.

4.9 Adjacent Land Uses/Description of the surrounding neighborhood

The park improvements will not adversely impact the adjacent land uses or the surrounding neighborhood. The project involves the walkway with lighting, basketball court, playground and swing sets with concrete walkway, park benches, picnic tables and a pavilion. The rest of the area will be open space with mature trees planted. The new



park amenities will attract visitors to the park, and residents in the area will be able to enjoy improved recreation facilities within their neighborhood park.

5.0 ALTERNATIVES

5.1 No Action

One alternative to the project would be the no-action alternative which would involve keeping the park as it is which is underutilized and run down. The community and surrounding neighbors will ultimately not benefit from keeping the park as it currently is as the new and improved amenities will attract locals to use the park more often.

5.2 Alternative Design/Configuration

One alternative would include a redesign of amenities to decrease the impacts or to minimize the overall footprint. They mayor has met on site with residents to discuss the project. There were several iterations of the concept plan, with minor changes to the layout and amenities. There have been two meetings with the residents during the planning phases of this project, with the most recent meeting over June 5th weekend. A Public hearing was held on June 7, 2021 with the Township Committee. The residents are very supportive of the proposed design and to see this project come to fruition.

As such, the proposed park design is a result of the local township committee and local residents' input on what type of amenities would be beneficial for the park. This alternative is not preferred.

6.0 PERMITS

The following permits will be required for the proposed project:

NJDEP Permits to be finalized and discussed with NJDEP Division of Land Resource Protection to ensure the appropriate permit applications are being submitted.

- NJDEP Flood Hazard Area (FHA) Verification to verify the limits of the Floodplain on the property **To be submitted**
- NJDEP Flood Hazard Area General Permit No. 13 (construction of trails and boardwalks) **To be submitted**
- FHA Permit by Rule 25 construction of an aboveground athletic and/or recreational structure. **To be submitted**
- The Pavilion may require a Flood Hazard Area Individual Permit. **To be submitted**

Soil Erosion and Sediment Control from Freehold Soil Conservation District – **To be submitted**



7.0 MITIGATION MEASURES

Mitigative measures would include the best management practices to be implemented during the construction activities. Soil Erosion Sediment control measures such as silt fences, and haybales where necessary. The contractor will comply with the local soil erosion and sediment control requirements during installation.

8.0 CONCLUSION

Based on the review of the EA requirements, the above provides information regarding the impacts to the environment as a result of the proposed improvements. It is the intent of this report to demonstrate that there will not be significant impacts to the surrounding environment. Impacts have been minimized to the greatest extent practicable and will be mitigated in accordance with applicable local, regional, and State requirements.



9.0 DOCUMENTATION

Hazlet Township. Local research. <https://www.hazlettwp.org/> Web. June 7, 2021.

NJDEP. 2021 State of New Jersey GIS Data – soils, wetlands, geology, soil landscape and species habitat, water quality data.

NJDEP. Historic Preservation Office. 2021. New Jersey and National Registers of Historic Places, Monmouth County.

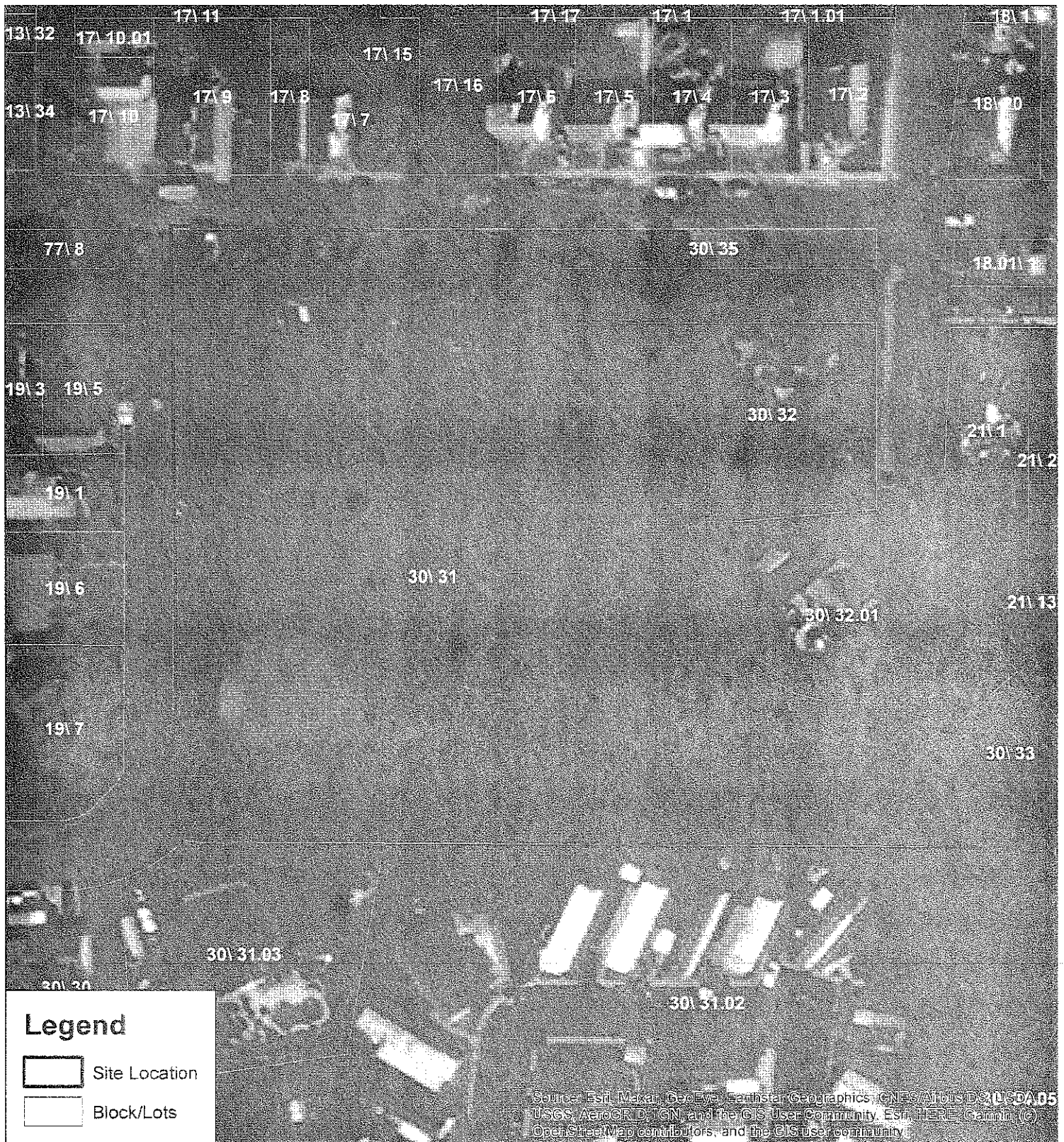
FEMA Floodplain Map Center <https://msc.fema.gov/portal/home>

USDA Soil Data mart <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

G:\Projects\HAZ1\G2101\Calculations & Reports\8th Street Park - Environmental Assessment Report\EA Report.docx



APPENDIX A Site Location Map



11 Tindall Road
Middletown, NJ 07748-2792
Phone: 732-671-6400
Fax: 732-671-7365



0 40 80 160
Feet

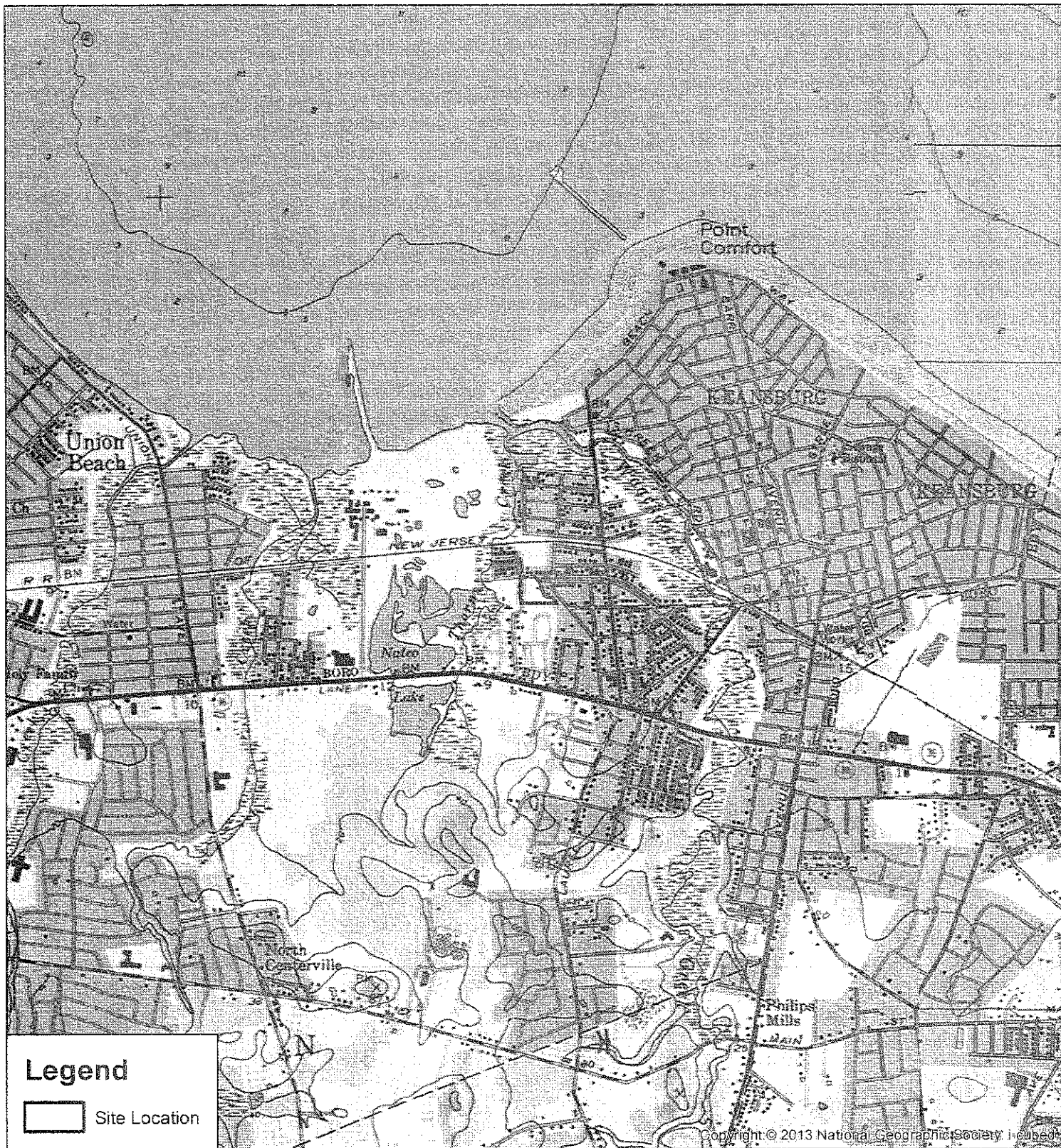
Site Location Map
8th Street Park
Block 30, Lot 31
Hazlet Township
Monmouth County, New Jersey

Prepared by: E.J.N, 6/3/21
Source: World Imagery Data, NJDEP Digital GIS Data, Monmouth County Data
File Path: G:\Projects\HAZL\G210\GIS\Projects\Final\8th street park - Site Location Map.mxd

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.



APPENDIX B USGS Topographic Map



11 Tindall Road
Middletown, NJ 07748-2792
Phone: 732-671-6400
Fax: 732-671-7365



0 1,000 2,000 4,000
Feet

USGS Map
8th Street Park
Block 30, Lot 31
Hazlet Township

Monmouth County, New Jersey

Prepared by: MNB, 6/7/21
Source: World Imagery Data, NJDEP Digital GIS Data, Monmouth County Data
File Path: G:\Projects\HAZL\G2101\GIS\Projects\Final\8th street park - USGS.mxd

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.



APPENDIX C Environmental Constraints Map



11 Tindall Road
 Middletown, NJ 07748-2792
 Phone: 732-671-6400
 Fax: 732-671-7365



0 65 130 260
 Feet

Environmental Constraints Map
8th Street Park
Block 30, Lot 31
Hazlet Township
Monmouth County, New Jersey

Prepared by: MNB, 6/7/21
 Source: World Imagery Data, NJDEP Digital GIS Data, Monmouth County Data
 File Path: G:\Projects\HAZL\G2101\GIS\Projects\Final\8th street park - Environmental.mxd

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.



APPENDIX D FEMA Flood Map

NOTES TO USERS

The way in which we are implementing the National Flood Insurance Program is a dramatic example of how the Federal Government can do things differently from how it has done them in the past. The program is being implemented in a way that is more efficient, more effective, and more cost-effective than the way it has been implemented in the past. The program is being implemented in a way that is more efficient, more effective, and more cost-effective than the way it has been implemented in the past.

Crossed Bayes Flood Elevations shown on this map apply only to locations of 0.7 North American Vertical Datum of 1988 (NAVD-88). Users of this FEMA study should be aware that certain flood elevations are also provided in the formality of Stillwater-Española tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater-Españolas tables should be used for construction and/or floodproofing purposes when they are higher than the elevations shown on this FIRM.

Handwritten by the University of New Orleans, the *Handouts* were based on hydraulic calculations between states sections. The *Handouts* were part of the National Flood Insurance Program. Property with regard to requirements of the National Flood Insurance Program. Property stability and other pertinent knowledge data are provided in the Flood Insurance Study report for this jurisdiction.

The resolution used in the preparation of this map was 60m above New Jersey state 2000. The horizontal datum was NAD83, GRS 80 spheroid. Distances in space, speed, reflection or UTM zones used in the generation of RIMA by adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this film.

Flood shadows on the map are referenced to the North American Vertical Datum

of 1980, these food elements must be compared to aluminum and ground elevations referenced to the zone vertical datum. For information regarding the conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, call the National Geographic Society at (800) 843-5742 or contact the National Geodetic Survey at NGS@NOAA.gov.

NGS Information Services
HQ-A, NHD-12

NORTON LABORERS 89757
 SMO-3, 8270
 1315 East-West Highway
 Silver Spring, Maryland 20910-3290
 C001 715 3242

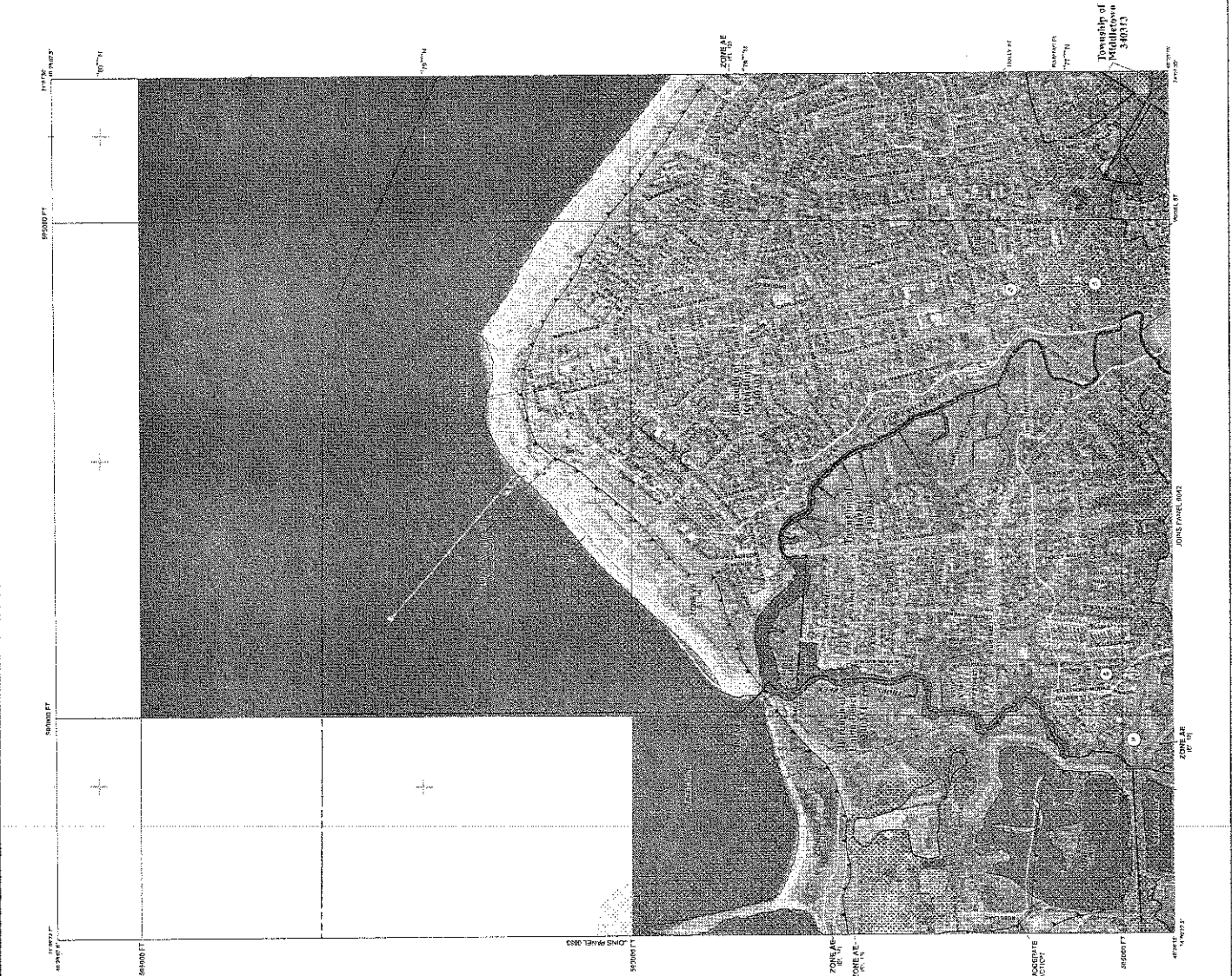
This map information shown on this page was provided in digital format by the Map Library Office of Information Technology (MLOIT), Office of Geographic Information Systems (OGIS). This information was derived from digital information provided at a scale of 1:2500 with a 1 foot pixel resolution. This information is dated 2012.

to floodable relationships for watershed streamflow may differ from what is shown on previous maps.

Please refer to the previously noted life rules as an everyday map of the country along the level of mind state, economy map repository address, and a listing of communities tell everything the mind food insurance Program for each community as well as a listing of the family on which each community is based.

FEMA may information is available at 1-877-338-7037 for information on available products associated with the FEMA. Available products may include previously issued letters of No Damage, a Flood Insurance Slightly Impaired, and digital versions of the map. The FEMA map information website, www.fema.gov, can be accessed by FEMA 1-800-358-2847. For more information, contact the FEMA map information at 1-877-338-7037.

If you have questions about this page or conditions connecting the National Flood Insurance Program in general, please call 1-877-FEMA-5848 (1-877-369-6271) or visit the FEMA website at www.fema.gov/nationalflood.



LEGEND

**SPICED, FLOPPY HAZARD AREAS (STORM) SURVEYED 10
REPAIRATION BY THE NATIONAL GUARDIAN, LONDON**

MR. MOORE	George Moore, 1401 West 14th Street, Chicago, Ill.
MR. PETERSON	Carl Peterson, 1000 North Dearborn, Chicago, Ill.
MR. KANE	John Kane, 1000 North Dearborn, Chicago, Ill.
MR. GORDON	John Gordon, 1000 North Dearborn, Chicago, Ill.

2016 04	Added by the spreadsheet tool: The AWAAC cover page has a document type prediction, which was misclassified, and found that description.
2016 05	Quoted Page 106 with validity incorrect (extra spaces, not using French characters).
2016 06	Added: Page 106 with validity incorrect (extra spaces, not using French characters).

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Experiment Group	Number of Subjects	Number of Sessions	Number of Trials	Number of Correct Responses	Number of Errors	Number of Omissions	Number of Rejections	Number of Non-Responses	Number of Incomplete Trials	Number of Trials per Session	Number of Sessions per Subject	Number of Trials per Subject	Number of Correct Responses per Subject	Number of Errors per Subject	Number of Omissions per Subject	Number of Rejections per Subject	Number of Non-Responses per Subject	Number of Incomplete Trials per Subject
Control Group	10	10	100	80	20	0	0	0	0	100	10	1000	800	200	0	0	0	0
Experimental Group	10	10	100	70	30	0	0	0	0	100	10	1000	700	300	0	0	0	0

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Author	Year	Location	Sample Size	Method	Findings
Wang et al.	2005	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2006	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2007	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2008	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2009	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2010	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2011	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2012	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2013	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2014	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2015	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2016	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2017	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2018	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2019	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2020	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2021	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2022	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2023	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2024	China	1,000	Survey	High prevalence of mental health problems among adolescents.
Wang et al.	2025	China	1,000	Survey	High prevalence of mental health problems among adolescents.

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FIRM
FLOOD INSURANCE RATE MA
MONROVIE COUNTY.

NEW JERSEY
(ALL PERIODS)
PANEL 34 OF 457
[SEE MAP INDEX FOR FIRM PANEL LOCUS]
CONTINUED

COLUMBIA

NUMBER	PAGE#
98008	6004
ISSUE DATE	01/31/14
ACQUISITION NUMBER OF	1031
(to be filled in by C&D)	1077

PRELIMINARY

JANUARY 31, 2014

pages to come. The Mr. Rumbly group has been
and has been very active in community life.
and has been very active in community life.
and has been very active in community life.

UNIVERSITY MICROFILMS
SERIALS ACQUISITION
300 N ZEEB RD
ANN ARBOR MI 48106
U.S.A.

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Page 07

INS PANEL 0012

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APPENDIX E Color Photographs

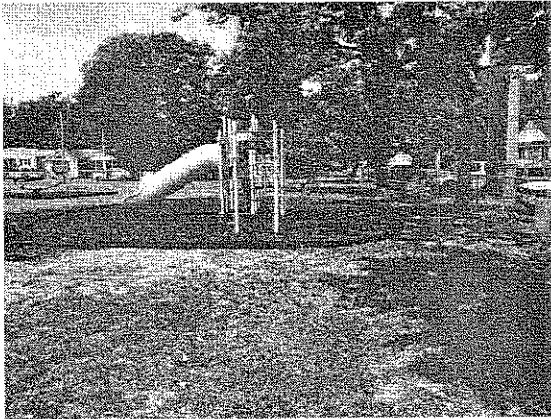


Photo 1: Looking west toward playground onsite.

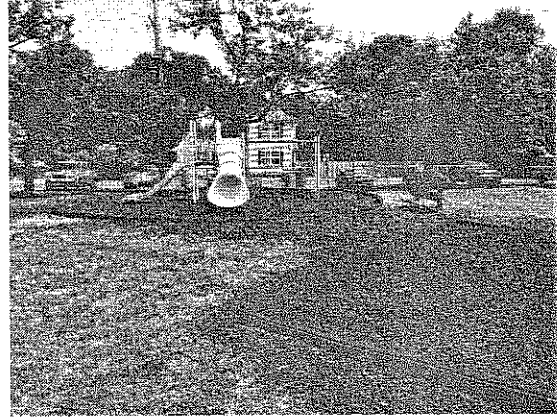


Photo 4: Looking north toward playground.

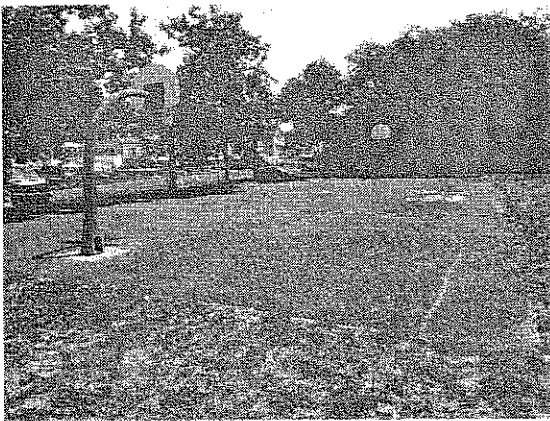


Photo 2: Looking east toward basketball court.

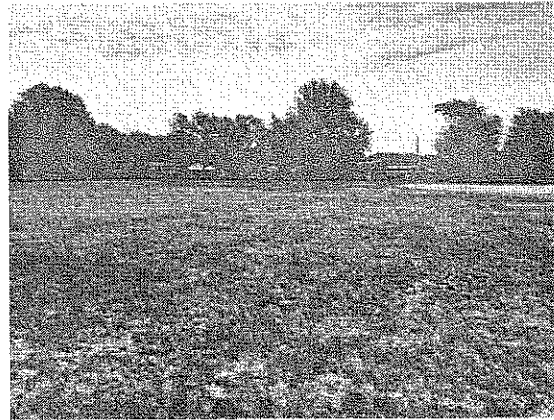


Photo 5: Looking south toward open space and baseball field beyond.

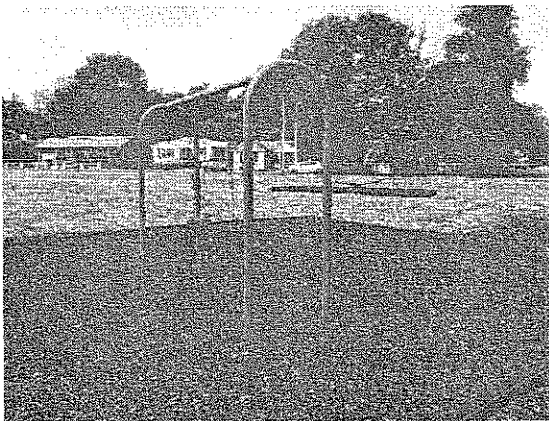


Photo 3: Looking south toward swings.

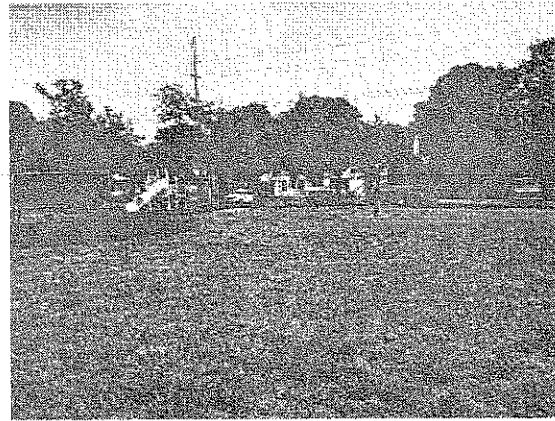


Photo 6: Looking northeast toward playground and basketball fields.

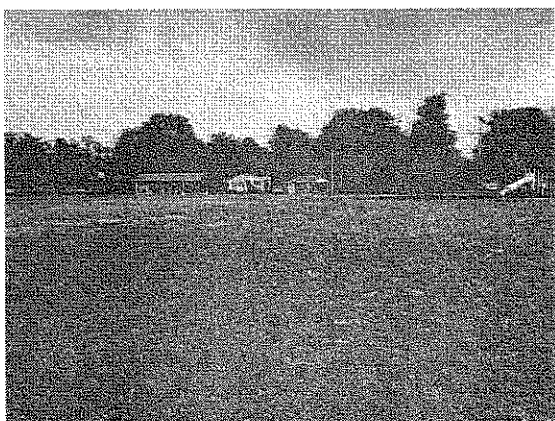


Photo 7: Looking north toward open space and playground beyond.

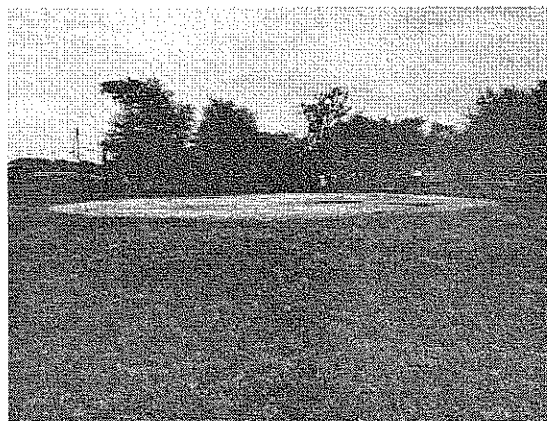


Photo 10: Looking south toward baseball field.

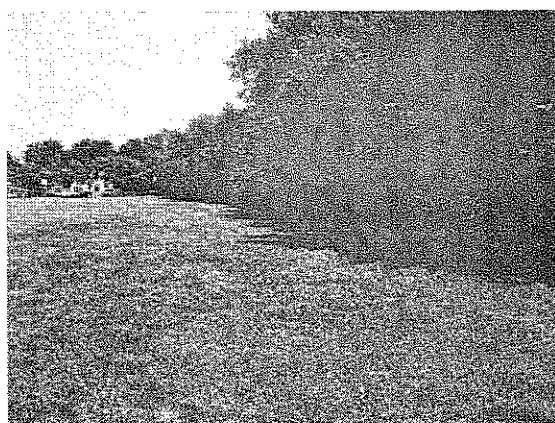


Photo 8: Looking north along eastern property boundary.

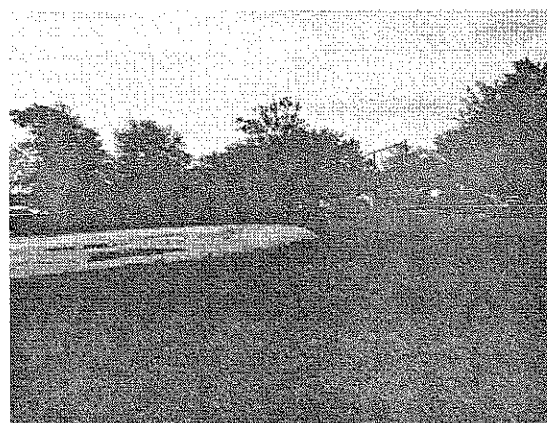


Photo 11: Looking southwest toward baseball field and Brown Street (beyond).

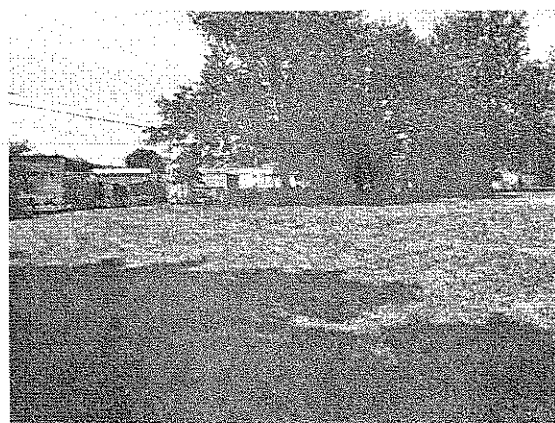


Photo 9: Looking southeast along southern property boundary.

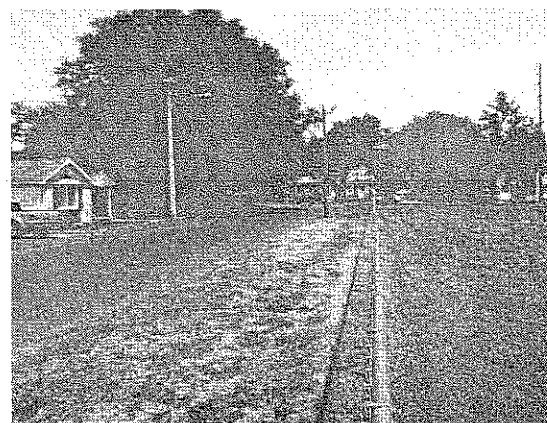


Photo 12: Looking north along western property boundary and Brown Street.

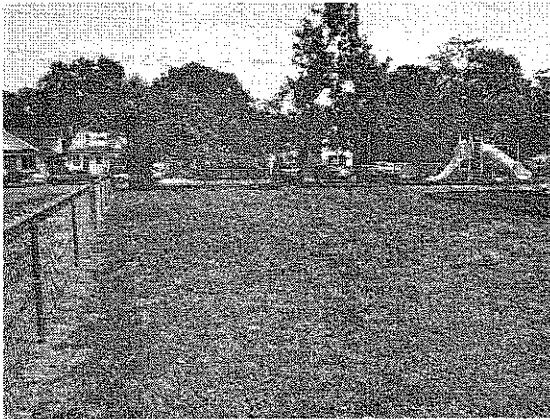


Photo 13: Looking east toward northern property boundary.



Photo 14: Looking east toward parking area on northern property boundary.



Photo 15: Looking east along 8th Street and parking.



APPENDIX F QUALIFICATIONS



Education

University of Vermont, BS
Environmental Studies,
2001

Rutgers University,
Wetlands Delineator
Certification

Rutgers University,
Threatened and
Endangered Species in NJ

Rutgers University, Winter
Vegetation Identification

Rutgers University, NJDEP
Freshwater Wetlands
Regulations Short Course

Rutgers University, NJDEP
Coastal Wetlands
Regulations Short Course

Professional Registrations / Affiliations

Professional Wetland
Scientist (PWS) Certification
number 2938

Society of Women
Environmental Professionals,
NJ/Philadelphia Chapter

Society of Wetland
Scientists (SWS)

40-Hour OSHA Hazwoper
Certification

8-Hour OSHA Permit
Required Confined Spaces

Years in the Industry

20

Areas of Expertise

Wetland Delineations,
Geographic Information
Systems (GIS), NJDEP Land
Use Regulations, PADEP
Wetland Regulations,
USACE Permit
Requirements, Pinelands
Regulations

Summary of Qualifications

Ms. Naklicki has 20 years of experience in the field of environmental consulting. She is certified as a Professional Wetland Scientist (PWS) by the Society of Wetland Scientists. Her areas of expertise include wetland delineations as well as the preparation of applications and final reports to the regulatory agencies. Her project duties include obtaining Freshwater and Coastal Wetland Permits, Letters of Interpretation, CAFRA and Waterfront Development Permits, Pinelands approvals and US Army Corps of Engineers permits. Ms. Naklicki also has experience with the Pennsylvania Department of Environmental Protection (PADEP) wetland permits. Additionally, she has written numerous Environmental Impact Statements and Baseline Ecological Evaluations that relate to a variety of projects.

In addition, she is experienced in the preparation of Geographical Information Systems (GIS) maps for various project types including wetlands, floodplains, threatened and endangered species, aquifer and land use maps. She also has experience using Global Positioning System (GPS) surveying equipment.

Ms. Naklicki has experience in vegetation analysis, habitat assessments and wetlands and stream analysis. She has performed numerous wetland delineations ranging from small to large properties up to 450 acres. She has conducted natural resource inventories and threatened and endangered species surveys for various projects. In addition, she has performed numerous tree surveys for various developments ranging from 2 to 300 acres. Ms. Naklicki uses Trimble® Global Positioning Services (GPS) while in the field to gather her data and locate the wetland flag locations. After the data is collected she works with the project engineers to prepare Permit Plans to demonstrate project compliance with the local, state, and federal land use regulations.

Ms. Naklicki has helped coordinate and attend numerous public information sessions and public hearings for several large projects including the NJTA's GSP Widening from Milepost 30 to 80 and the Carteret Ferry Terminal Project.

Key Projects

Drainage Improvements to Lincoln, Harrison, Ballantine and Pelican Roads, Middletown Township, NJ. Environmental Scientist responsible for conducting the wetland and State open water delineations at each site. Once delineations were complete, coordinated with the NJDEP to obtaining all required NJDEP land use permits to implement the proposed drainage improvement projects at these locations.

Overpeck Park Landfill, Teaneck, Bergen County, Teaneck, NJ. Environmental Scientist responsible to prepare and submit the interagency permit applications for the closure of the Overpeck park landfill and slope stabilization along Overpeck Creek. The permit applications included Army Corps of Engineers Permit Application and the NJDEP Freshwater Wetland General Permit No. 5, Coastal General Permit 15 and Waterfront Development Permit Application. The project also included the delineation of the wetlands located on the 51 acre parcel. Ms. Naklicki worked with the client and the NJDEP and ACOE to address the permit review comments and to revise the permit plans in accordance with the regulations.



Berkeley Island Park Improvement Project, Berkeley Township, NJ. Environmental Scientist responsible for organizing the major permitting efforts for the improvements of an existing Ocean County Park located on Barnegat Bay and Cedar Creek that was destroyed by Superstorm Sandy and closed to the public since the storm. Permit applications included CAFRA IP, Waterfront Development IP, Army Corps of Engineer and Tidelands License. There were numerous interagency meetings and conversations with the NJDEP and ACOE to design the project to be in compliance with the strict NJDEP Coastal Zone Management Rules and Army Corps of Engineers Rules. The project entailed the design of in-water structures to help with erosion control consisting of beach replenishment, two breakwaters, a stone revetment, a stone jetty, bulkhead replacement and living shoreline. T&M worked with Stevens Institute of Technology and the NJDEP Division of Coastal Engineering to design the stone revetments and living shoreline. The upland work consisted of the construction of a 1,500 SF comfort station that included restrooms, locker rooms, first aid station and storage, the replacement of two gazebos and picnic pavilion, playground and splash pad, horseshoe pits, bocce courts, site lighting, walkways, low level landscaping, benches, parking area, bike racks, split rail fencing, bait cutting stations, flag pole area and entrance gate.

Roundabout Design at CR 8A (Locust Avenue/Vailey Drive), CR 8B (Navesink Avenue) & Monmouth Avenue, Middletown Township, Monmouth County, NJ. Environmental Scientist for intersection and safety improvements associated with converting an existing stop-controlled intersection to a new roundabout. Performed wetland delineation for the project area. Work performed in conformance with MUTCD, TRB's Highway Capacity Manual (including LOS analysis), and Monmouth County standards.

Monmouth County Landfill, Tinton Falls, NJ. Environmental Scientist for the delineation of 300 acres of wooded wetlands. Prepared and submitted Letter of Interpretation (LOI) application to NJDEP. Worked with the client and NJDEP case manager to review the site and overall wetland delineation.

Intersection Improvements at Bordentown Road, Mansfield, Burlington County, NJ. Environmental Scientist for the final design of roadway improvements to Bordentown Road at intersections with Georgetown Road, Chesterfield Road and Schoolhouse Road. Conducted land surveys and environmental assessments related to the road improvements. Responsible for the design and layout of a single lane roundabout at the intersection of Bordentown Road with Georgetown Road, assisted by the TORUS roundabout design software.

Cloverdale Park, Barnegat Township, NJ. Prepared the Pinelands Public Development Permit Application for the redevelopment of an existing Ocean County park and cranberry bogs. Worked with the design engineers to design the project to meet the needs of the Pinelands Commission and the Ocean County Department of Parks and Recreation. The proposed project involved the redevelopment of an existing residence to be converted to a public restroom, construction of a visitor center, parking lots and other site improvements. Ericka coordinated all pre-application meetings, field work, onsite meetings with the client, permit preparation, permit submission and regulatory agency communication.

Red Bank Library Bulkhead Replacement and North Prospect Avenue Bulkhead Replacement, Red Bank, NJ. Environmental Scientist responsible to obtain the NJDEP Coastal General Permit No 14, ACOE SPGP19 and NJDEP Tidelands License for the replacement of the bulkheads along the Navesink River. Coordinated with the Borough and structural engineers to design the bulkheads on two different properties to maintain compliance with the NJDEP Coastal Zone Management Rules.

Red Bank Bellhaven Park, Borough of Red Bank, NJ. Worked with the Borough Engineer, Landscape Architects and LSRP to prepare and submit a combined NJDEP Permit application for Coastal GP 17, Freshwater Wetlands GP 17 and 4 and a Transition Area Waiver D Clause for the improvements to an underutilized public park located on the Swimming River in Red Bank. Improvements to the park included resurfacing an existing six-foot wide, 3,755 LF long gravel trail, a tot-lot with new playground equipment, 314 SF spray pad encircled by a six-foot wide concrete sidewalk, re-grading and elevation increase by 2-3 feet to meet the existing topography. New landscaping was provided throughout the project area and removal of the existing invasive vegetation. The project remained compliant with strict Coastal Zone Management Rules and Freshwater Wetland Rules. Conference calls with the NJDEP, pre-application meetings and



emails were organized to meet the Division of Land Use Regulations. Assisted the LSRP with additional permits required for the remediation activities needed for a portion of the site.

Sea Bright Beach Pavilion, Borough of Sea Bright, NJ. Organized efforts to obtain the CAFRA individual Permit for the construction of a proposed two-story 76' by 70' beach pavilion on a portion of the public beach and parking lot. The new facility will be accessible by the boardwalk and ADA compliant ramps from both the beach and parking lot. Facility amenities will include a public library, beach office, community room, restrooms and outdoor showers, public gathering facility and lifeguard station headquarters for equipment and observation. The project will require close coordination with the NJDEP to remain in compliance with the Coastal Zone Management Rules that apply to impervious surface, parking, scenic resources and beaches.

Beach Access Plan, Monmouth Beach Borough, NJ. Worked with the Borough Engineer to design a Public Beach Access Plan to assure that the beach access was in compliance with the NJDEP Coastal Zone Management Rules. The access plan included researching the size of the beach during high tide and assessing the amount of people using the beach. In addition, the amount of parking spaces and the amount of access points to the beach had to be assessed. The report and all maps and plans had to be compiled into a report and submitted to the NJDEP for review and approval.

Teaneck Nature Preserve, Teaneck, NJ. Wetland Delineation and NJDEP Letter of Interpretation. Conducted wetland delineation at a disturbed site that is 55 acres in size. The site was a previously disturbed landfill that has been converted to a nature preserve. The site has been disturbed from past site activities which provided rough terrain and made the delineation more difficult. Subsequent to the delineation, the Freshwater Wetland Letter of Interpretation was prepared and submitted.

Geographic Information Systems (GIS). Environmental Constraints Analyses prepares Environmental Constraints Maps for a variety of projects for different departments at T&M. The GIS Maps are prepared using Arc GIS version 10.1. The GIS program contains NJDEP State GIS Data along with County and Municipal GIS Data. The data can be used when preparing proposals to get background information on a site. The data can be used for preliminary background work prior to conducting a site visit. In addition, the maps can be used in Environmental Assessment Reports and NJDEP Permit Applications.

Sanderson Parcel, Preliminary Assessment and Wetlands Delineation, Edison Township, NJ. Environmental Scientist for environmental investigation and consulting services for the Middlesex County Improvement Authority. Work included the oversight of staff which included a thorough onsite investigation and assessment of the environmental conditions in conformance with accepted ASTM Standard Practice for Environmental Site Assessment.

Tamarack Hollow Expansion, Phase I Site Assessment and Wetlands Delineation, East Brunswick/South Brunswick, NJ. Environmental Scientist for environmental investigation, wetland delineation and lot yield analysis for the Middlesex County Improvement Authority. Work included the oversight of staff which included a thorough onsite investigation and assessment of the environmental conditions in conformance with accepted ASTM Standard Practice for Environmental Site Assessment, Freshwater Wetlands Protection Act and East Brunswick and South Brunswick Land Use and Zoning Ordinances.

Ocean County Midstream Road Bridge Replacement, NJ. Prepared all of the combined interagency permits for the replacement of an Ocean County Bridge Spanning Beaverdam Creek in Brick Township. The permits included NJDEP CAFRA, Waterfront Development and Freshwater Wetlands General Permit No. 10. In addition the project involved obtaining US Coast Guard Bridge Permit and USACE Nationwide Permit.

Noe Street Drainage Improvement Project, Carteret, NJ. Prepared NJDEP Waterfront Development Permit, Freshwater Wetlands Permit and Army Corps Nationwide Permit for the drainage improvements and proposed tide gate at Noes Creek in Carteret. Also worked with the landscape architects to prepare the Intertidal and Subtidal shallow and Riparian Buffer Mitigation and restoration plan. Worked closely with the NJDEP Division of Land Use Regulation in order to assure the project was designed in compliance with the NJDEP rules and also meet the goals of the project.



Monmouth County/ County Route 3 Between County Road 527 and Kensington Drive/Woodland Circle, Manalapan, NJ.

Environmental Scientist assisting with the permit applications for the concept development, preliminary engineering and roadway design alternative analyses for roadway improvements for CR3 (Main Street-Tennent Road) between CR527 (Millhurst Road) and Kensington/Woodland Circle. The project addresses traffic safety issues, capacity improvements, system linkage, geometric deficiencies, project transportation demands, environmental considerations for permitting, and traffic signal improvements and optimization along CR3. The project included environmental assessment and studies including cultural resource analysis; wetland delineation; and regulatory assessment.

Reconstruction of Readington Road (CR 637), Townships of Branchburg and Readington, NJ. Environmental Scientist for the final design efforts of approximately 5,500 feet of roadway widening and reconstruction including the replacement of two county bridge structures. Effort associated with the project includes preliminary and final roadway, structural and hydraulics and hydrology design, including an alternatives analysis. Conducted the wetland delineation and prepared the freshwater Wetlands Letter of Interpretation Application and worked with the NJDEP to obtain the approvals.

Carnegie Center West, Building 804, Boston Properties/ NRG Energy, Princeton, NJ. Environmental Wetland Permitting for a project involving site plan design of a state-of-the-art office building site using a multitude of sustainable elements including 800kW solar arrays consisting of 13 solar ground-mounted parking canopies, 2 solar roof-mounted canopies, and 2 solar ground-mounted pergolas; 400kW natural-gas-fired CHP unit; Two 30,000 gallon underground rainwater storage system; 2 windmills; pedestrian sidewalks and bicycle paths; 4 bio-swaes and a 0.70-acre wet pond; green roof; and electric vehicle charging stations. Scope includes surveying, General Development Plan (GPD) design, wetland delineations, Phase 1 investigations, environmental permitting, landscape architecture design, traffic engineering, site lighting design, LEED® consulting services, and construction management.

Solar Array, Southampton Township, NJ. Delineated 450 acres of agriculture wetlands. Prepared and submitted Letter of Interpretation (LOI) Application to the NJDEP. Worked with the NJDEP to obtain the LOI and conducted site meetings to discuss with the NJDEP Case Manager.

Monmouth County Landfill, Tinton Falls, NJ. Delineated 300 acres of wooded wetlands. Prepared and submitted Letter of Interpretation (LOI) Application to the NJDEP. Met with Client and NJDEP Case Manager to review the site and overall wetland delineation.

Sand Replenishment, Union Beach, NJ. Prepared NJDEP CAFRA and waterfront development permits for the placement of 6,000 CY of sand replenishment. In addition, prepared Army Corps of Engineers (ACOE) Permit Applications.

Benjamin Terry Bulkhead Replacement, Borough of Keyport, NJ. Prepared coastal general permit No.14 and ACOE permit for the replacement of 413 LF of timber bulkhead with new fiberglass bulkhead within 21-inches of the existing bulkhead.

Six Bulkhead Replacements and Pump Station, Sea Bright, NJ. Prepared the NJDEP CAFRA Individual Permit and Waterfront Development Permit for the replacement of 5 bulkheads, the construction of a new bulkhead and walkover access ramp and construction of a new pump station to aid in the restoration of a Town that was greatly impacted by flood waters during Superstorm Sandy. The project also involved obtaining an USACOE Nationwide Permit.

Beachwood Beach Groin, Beachwood Borough, NJ. Prepared the NJDEP Waterfront Development Permit and Coastal General Permit No. 6 and Army Corps of Engineers Permit. Worked with the Municipal engineers to design the project to meet the needs of the NJDEP and the Borough of Beachwood. The Borough of Beachwood proposed the construction of a groin to reduce erosion along the eastern shoreline of Beachwood Beach located along the Toms River. In addition, the project involved minor sand transfer from the lower portion of the beach to the eastern shoreline to provide additional beach area and to improve the eroded conditions of the beach. Ericka Coordinated all field work, permit preparation, permit submission and regulatory agency communication.

Little Egg Harbor Township, Ocean County, Iowa Court Living Shoreline Project Worked with design engineers, NJDEP, USFWS, ACOE to design a Living shoreline at the terminus of a cul-de-sac in Little Egg Harbor. Submitted NJDEP Waterfront Development Permit and Army Corps of Engineers Permit for the project. Worked with NFWF to ensure the design and



schedule meets the requirements of the NFWF Funding and schedule. Numerous meetings and conference calls were required to ensure the project was designed to comply with the various regulations and NFWF funding.

Tuckerton Borough, Ocean County, Living Shoreline (breakwater design) Worked with the design engineers, NJDEP and ACOE to design a breakwater to help restore an eroded shoreline along Green Street in Tuckerton. Prepared Waterfront Development Permit applications and Army Corps of Engineers Permits.

Howell Township, Monmouth County, Lake Aldrich Dredging Project Conduct wetland delineation and prepare Freshwater Wetlands Individual Permit and Flood Hazard Area Individual Permit for dredging 57,000 CY of sediment from Aldrich Lake in Howell Township, Monmouth County. Work with the design engineer to develop permit plans and disposal site plans for dredge material disposal. Work with DEP to approve the permit plan and permit application. Meet with the Township to discuss the plans and schedule. Work with facility that would take the material to ensure the appropriate sediment samples were taken.

Little Egg Harbor, Ocean County, Rutgers Marine Field Station Boat Basin Dredge Project Worked with the design engineers and Rutgers University to dredge 12,000 CY of sediment from their boat basin at the research facility on Barnegat Bay/Little Egg Harbor. T&M associates worked closely with Rutgers University to ensure proper dredge and disposal was conducted to comply with State and Federal Rules. Worked with NJDEP and ACOE and NMFS to ensure the dredge project will comply with the strict timing restrictions to protect a variety of aquatic species that inhabit Barnegat Bay. Conducted the Environmental Inspections during the dredge operations to ensure the contractor was dredging during the ebb tide, visited the site daily during the dredge operations to ensure compliance with the DEP/ACOE Rules. Attended numerous meetings with Rutgers, NJDEP and ACOE on the project.

Ocean Township (Ocean County) Lagoon Dredge Project Prepared all NJDEP and Army Corps of Engineers Permit Applications for dredging 11,2080 CY of sediment from multiple lagoon areas within Ocean Township, Ocean County. Worked with the Township Engineer to ensure proper location for disposal. Worked with the NJDEP during the permit review process to ensure the project was designed to comply with the Coastal Zone Management Rules for Dredging tidal waterbodies.

Little Egg Harbor Lagoon Dredge Project Prepared NJDEP Waterfront Development Permit and Army Corps of Engineers Permit Applications for dredging 75,400 CY of sediment from multiple lagoon areas within Little Egg Harbor, Ocean County. Worked with the Township Engineer to ensure proper location for disposal. Worked with the NJDEP during the permit review process to ensure the project was designed to comply with the Coastal Zone Management Rules for Dredging tidal waterbodies.