

Bid No. 2021-11-34

TOWNSHIP OF PISCATAWAY
MIDDLESEX COUNTY
NEW JERSEY

TOWNSHIP OF PISCATAWAY
2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

MAYOR
BRIAN WAHLER

PISCATAWAY TOWNSHIP COUNCIL
KAPIL K. SHAH, COUNCIL PRESIDENT
MICHELE LOMBARDI, COUNCIL VICE PRESIDENT
GABRIELLE CAHILL
JAMES BULLARD
STEVE D. CAHN
FRANK UHRIN
LINWOOD ROUSE

BUSINESS ADMINISTRATOR
TIMOTHY J. DACEY

TOWNSHIP CLERK
MELISSA A. SEADER

PROJECT MANAGER
JOSEPH HERRERA, CFM
COMMUNITY DEVELOPMENT/ENGINEERING
455 HOES LANE PISCATAWAY, NJ 08854

ANY QUESTIONS MUST BE E-MAILED TO Purchasing@piscatawaynj.org NO LATER THAN November 9, 2021. @ 12noon. PHONE CALLS WILL NOT BE ACCEPTED THERE WILL BE NO EXCEPTIONS.

Bid Opening Date: Thursday, November 18, 2021 AT 2:00 PM

BIDDER: _____

ADDRESS: _____

TEL. NO.: _____

EMAIL: _____

NOTICE TO BIDDERS

BID NO: 2021-11-34

TOWNSHIP OF PISCATAWAY
MIDDLESEX COUNTY, NEW JERSEY

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Business Administrator or designated representative, for the Township of Piscataway, on THURSDAY, NOVEMBER 18, 2021 at 2:00PM prevailing time, which will be publicly read via zoom as listed below. This bid opening will be broadcast LIVE via Zoom. Bids will be publicly opened and reviewed for completeness for the following:

“2022- ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS”

Bids must be made on standard proposal form, be enclosed in a sealed package bearing the name and address of bidder and the words **“2022- ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS”** on the outside and delivered to the Township Purchasing office only, 455 Hoes Lane, Piscataway, NJ 08854 during regular business hours, 8:30 am to 12:20 pm and 1:30 pm to 4:30 pm., Monday through Friday, excluding holidays. *Please be advised that the municipal building is closed daily between 12:20 PM and 1:30 PM.*

Bidders must call the purchasing office at 732-562-2321 to drop off the sealed bid. The Municipal building is closed to the public due to the Covid-19. PLEASE, MAKE SURE TO DROP OFF YOUR SEALED BID BY OR BEFORE 12:00NOON ON 11/18/2021.

BID OPEN VIA ZOOM AT 2:00PM.

SHOULD ANY ISSUES ARISE OBTAINING THIS BID PLEASE CALL PURCHASING @ 73-562-2321 FOR A FLASH DRIVE OF THE BID FOR \$25.00. ONLY A CHECK MADE OUT TO TOWNSHIP OF PISCATAWAY WILL BE ACCEPTED. THIS IS ONLY IF THERE SHOULD BE AN ISSUE WITH THE TOWNSHIP BID WEBSITE.

Bids Specifications, Plans and instructions to bidders may be obtained at:
<http://bids.piscatawaynj.org/>

Question and Answer Due Date: NOVEMBER 9, 2021 by 12 Noon, E-mail only to:
Purchasing@piscatawaynj.org

Addendum may be downloaded from the Township website <http://bids.piscatawaynj.org/>

During the Covid-19 pandemic, while the statewide “State of Emergency” declaration is still in effect in according with Executive Order 107 all proposal packets will only be read and opened electronically “BROADCAST LIVE” via ZOOM Bid opening. The Municipal building is closed due to the Covid-19 restrictions.

Once the bid opening is concluded bidders must call the Purchasing Agent @ 732-562-2321 to set an appointment if bidders wishes to review any of the bids.

**All bids shall be kept sealed , and will be received and publicly opened on the proposal opening date and time in the Township Council Chambers using Virtual teleconferencing which can be access by logging in to zoom in the following manner:
Join Zoom Meeting:**

Piscataway Purchasing is inviting you to a scheduled Zoom meeting.

Topic: TOWNSHIP OF PISCATAWAY BID OPENING

TOPIC: 2022- ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS”

Time: Nov 18, 2021 02:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/87915173613?pwd=RzBBaFRHQTB4bU9SNE04SEhLODRDdz09>

Meeting ID: 879 1517 3613

Passcode: 878130

One tap mobile

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(1) Bid Packet Marked “ORIGINAL” (1) Photo Copy of the Original “TRUE COPY”

Bids can be hand delivered to the Municipal Building by calling the Purchasing Agent in Purchasing@732-562-2321. If using an outside delivery and/or messenger service (i.e. Federal Express, UPS, etc.), please note the following: **The Township will not be responsible for deliveries made prior to or after normal business hours, or to any other office, or for the failure of a bidder to affix the label provided with the bid package on the courier envelope.** Name of Bid must appear on the Outside of the FEDEX /UPS Envelope.

Surety in the form of a bid bond, certified check or Cashier’s Check in the amount of ten percent (10%) of the total price bid, but not in excess of \$20,000.00, payable unconditionally to the Township of Piscataway shall submit with the bid. The successful bidder will be required to furnish a Performance Bond in the Amount of 100% of total bid. Bidders shall comply with the requirements of N.J.S.A.10:5-31 and N.J.A.C. 17-27 et seq. Division of Purchasing.

Bid NO: 2021-11-34

TOWNSHIP OF PISCATAWAY: “2022 ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS”

Bidder’s Electronic Question Due Date: NOVEMBER 9, 2021 @12NOON

Purchasing@piscatawaynj.org

PRE-BID Conference / Site Visit Date: N/A

Bid Submission Due Date: THURSDAY, NOVEMBER 18, 2021 - 2 PM (VIA ZOOM)

SHOULD ANY ISSUES ARISE OBTAINING THIS BID PLEASE CALL PURCHASING @ 73-562-2321 FOR A FLASH DRIVE OF THE BID FOR \$25.00. ONLY A CHECK MADE OUT TO TOWNSHIP OF PISCATAWAY WILL BE ACCEPTED. THIS IS ONLY IF THERE SHOULD BE AN ISSUE WITH THE TOWNSHIP BID WEBSITE.

Bidders must call the purchasing office at 732-562-2321 to drop off the sealed bid. The Municipal building is closed to the public due to the Covid-19.

PLEASE MAKE SURE TO DROP OFF YOUR SEALED BID BY OR BEFORE 12:00NOON ON 11/18/2021

BID OPEN VIA ZOOM AT 2:00PM.

Bid Opening via ZOOM: Instructions below:

During the Covid-19 pandemic, while the statewide “State of Emergency” declaration is still in effect in according with Executive Order 107 all proposal packets will only be read and opened electronically “BROADCAST LIVE” via ZOOM Bid opening. The Municipal building is closed due to the Covid-19 restrictions. Once the bid opening is concluded bidders must call the Purchasing Agent @ 732-562-2321 to set an appointment if bidders wishes to review any of the bids.

All bids shall be kept sealed , and will be received and publicly opened on the proposal opening date and time in the Township Council Chambers using Virtual teleconferencing which can be access by logging in to zoom in the following manner:

Join Zoom Meeting:

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Topic: TOWNSHIP OF PISCATAWAY BID OPENING

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Meeting ID: 879 1517 3613

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REQUIRED: (1) Bid Packet Clearly Marked "ORIGINAL", Documents all filled out & Signed in Blue Ink.

"

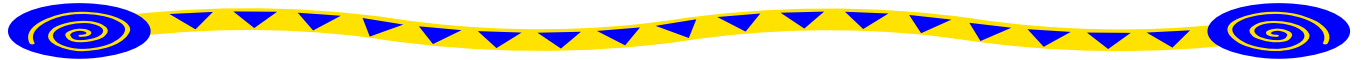
ONLY (1) ORIGINAL CERTIFIED BID BOND IS REQUIRED" IN THE ORIGINAL BID PACKET.

REQUIRED: (1) a Photo Copy of the Original Bid Clearly Marked "TRUE COPY"

No original documents in the true copy.

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

THE TOWNSHIP OF PISCATAWAY



INSTRUCTIONS TO BIDDERS

PAGES 1-56



MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

BID BOILER PLATE

**CONSTRUCTION
PROJECT**

Revised June 2018

Piscataway

CONSTRUCTION PROJECT

Bid Specifications
&
General Requirements
For

PISCATAWAY TOWNSHIP

**2022-ROAD PROGRAM FOR CURBS,
SIDEWALKS & ADA RAMPS**

BID NO: 2021-11-34

Thursday, NOVEMBER 18, 2021

Bid Opening Date

2:00 p.m.

Bid Opening Time

"Broadcast live **Via ZOOM**"

Opening Location: 455 Hoes Lane
Piscataway, NJ 08854

MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

The Township of Piscataway
JOSEPH HERRERA, CMF

REQUEST FOR BIDS
CONSTRUCTION ROAD IMPROVEMENTS
Bid Advertisement

The Township of Piscataway, New Jersey, hereby advertises for competitive bids in accordance with N.J.S.A. 40A:11 et seq., for

Bid No. 2021-11-34 2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

All necessary bid specifications and bid forms & Plans may be secured at: <http://bids.piscatawaynj.org/>

Joseph Herrera, CFM
Department of Community Development/Division of Engineering
455 Hoes Lane
Piscataway, NJ 08854

Purchasing Agent
Township of Piscataway, NJ
Phone: 732-562-2321
E-mail: purchasing@piscatawaynj.org

Bidders may contact the Purchasing office by E-mail only at: Purchasing@piscatawaynj.org regarding questions or additional information about the bid specifications. **By NOVEMBER 09, 2021 @12noon.**

Bids must be sealed and delivered to the Purchasing Office of the Piscataway Township **on or before** date and time indicated below. The envelope to bear the following information:

Title: **2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS**
Bid No: **2021-11-34**
Bidders Name:
Bidders Address:
Date: **Thursday, NOVEMBER 18, 2021**
Time: **2:00 p.m. (BROADCAST LIVE VIA ZOOM)**

The bid opening process will begin on the above advertised date and time **'BROADCAST LIVE VIA ZOOM'** Administrative offices located at 455 Hoes Lane, Piscataway, NJ 08854. Bids may be submitted to the Purchasing office at the bid opening ZOOM meeting, prior to the advertised date and time. On the advertised date and time, the Purchasing Agent shall publicly receive and open all bids. **LIVE BROADCAST VIA ZOOM. No bids shall be received after the time designated in the advertisement.** (N.J.S.A. 40A:11-1 et. seq.,)The Township of Piscataway does not accept electronic (e-mail) submission of bids.

Bidders must call the purchasing office at 732-562-2321 to drop off the sealed bid. The Municipal building is closed to the public due to the Covid-19. PLEASE, MAKE SURE YOUR SEALED BID ARRIVES WAY BEFORE 2PM.

During the Covid-19 pandemic, while the statewide “State of Emergency” declaration is still in effect in according with Executive Order 107 all proposal packets will only be read and opened electronically “BROADCAST LIVE” via ZOOM Bid opening. The Municipal building is closed due to the Covid-19 restrictions. Once the bid opening is concluded bidders must call the Purchasing Agent @ 732-562-2321 to set an appointment if bidders wishes to review any of the bids.

All bids shall be kept sealed , and will be received and publicly opened on the proposal opening date and time in the Township Council Chambers using Virtual teleconferencing which can be access by logging in to zoom in the following manner:

Join Zoom Meeting:

Piscataway Purchasing is inviting you to a scheduled Zoom meeting.

Topic: TOWNSHIP OF PISCATAWAY BID OPENING

TOPIC: 2022-ROAD PROGRAM FOR CURBSS, SIDEWALKS & ADA RAMPS

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Meeting ID: 879 1517 3613

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PLEASE, MAKE SURE YOUR DROP OFF YOUR SEALED BID BY OR BEFORE 12NOON.

BID WILL BE OPENED AT 2PM VIA ZOOM.

N/A

There will be a pre-bid meeting on _____ . While attendance is not mandatory, all prospective bidders are strongly encouraged to attend this important meeting, which will be held in the, at a.m. **CONTRACTOR IS ALWAYS ENCOURGE TO GO TO VIEW THE ROAD PROJECT.**

All bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq., Affirmative Action Against Discrimination (N.J.A.C. 17:27-1 et seq.) An Initial Project Workforce Report will be required from the successful contractor. (Form AA-201).

Statement of Ownership Requirement: Pursuant to N.J.S.A. 52:25-24.2, Bidders shall submit a statement setting forth the names and addresses of all persons and entities that own ten percent or more of its stock or interest of any type at all levels of ownership.

Each bid shall be accompanied by a bid bond, cashier's check or certified check made payable to the Township of Piscataway, for ten percent (10%) of the amount of the total bid, however, not to exceed \$20,000.00.

Bidders are required by law to submit a Statement of Ownership Disclosure form statement setting forth the names and addresses of all persons and entities that own ten (10%) percent or more of its stock or interest of any type at all levels of ownership.

The bid package will also include other documents that must be completed and returned with the bid. Failure to comply with Instructions to Bidders and to complete and submit all required forms, may be cause for disqualification and rejection of the bid.

All contractors named in this proposal, shall possess a valid Public Works Contractor's Registration Certificate pursuant to N.J.S.A. 34:11-56.48 et seq., at the time the proposal is received by the Township of Piscataway. The Township of Piscataway reserves the right to reject any or all bids, pursuant to N.J.S.A. 40A:11-1 et. seq., and to waive any informalities that may be in the best interest of the Township.

MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

THE TOWNSHIP OF PISCATAWAY

JOSEPH HERRERA, CFM

REQUEST FOR BIDS
CONSTRUCTION PROJECT

Bid Advertisement

The Township of Piscataway, New Jersey, hereby advertises for competitive bids in accordance with N.J.S.A. 40A:11 et seq., for

BID No. 2021-11-34 **2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS**

All necessary bid specifications and bid forms & Plans may be secured at: <http://bids.piscatawaynj.org/>

JOSEPH HERREA, CFM

Project manager Contact Person

COMMUNITY DEVELOPMENT / DIVISION OF ENGINEERING

455 Hoes Lane

ADDRESS

PISCATAWAY, NJ 08854

City, State Zip

E-mail: PURCHASING@PISCATAWAYNJ.ORG

Bid documents will not be mailed, but may be secured at : <http://bids.piscatawaynj.org/>

Bidders may contact the Purchasing office by E-mail only at: Purchasing@piscatawaynj.org regarding questions or additional information about the bid specifications. Bidders must login to the Piscataway website for any Addendum at: www.piscatawaynj.org Click on Home page, E-Gov, Bids, download & print any addendum document for free.

Bids must be sealed and delivered to the Office of the Purchasing Agent of Piscataway Township *on or before* date and time indicated below. The envelope to bear the following information:

Title: **2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS**

Bid No: **2021-11-34**

Bidders Name

Bidders Address

Date: **Thursday, NOVEMBER 18, 2021**

Time: **2:00 p.m. VIA ZOOM**

The bid opening process will begin on the above advertised date and time in The Township of Piscataway 455 Hoes Lane, Piscataway, New Jersey 08854. **VIA ZOOM. "BROADCAST LIVE ZOOM"** Bids must be submitted to the Purchasing Office at the bid opening meeting, prior to the advertised date and time. On the advertised date and time, the Purchasing Agent shall publicly receive and open all bids **Via ZOOM. No bids shall be received after the time designated in the advertisement.** The Township of Piscataway does not accept electronic (e-mail) submission of bids.

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PLEASE, MAKE SURE YOUR DROP OFF YOUR SEALED BID BY OR BEFORE 12NOON.

BID WILL BE OPENED AT 2PM VIA ZOOM.

There will be a pre-bid meeting on N/A. While attendance is not mandatory, **all prospective bidders are strongly encouraged to view the road project site.**

All bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq., Affirmative Action Against Discrimination (N.J.A.C. 17:27-1 et seq.). An Initial Project Workforce Report will be required from the successful contractor. (Form AA-201).

Contractors bidding on this project are to comply with the requirements of the New Jersey Prevailing Wage Act pursuant to N.J.S.A. 34:11-56.25 et seq.

Each bid shall be accompanied by a bid bond, cashier's check or certified check made payable to the The Township of Piscataway, for ten percent (10%) of the amount of the total bid, however, not to exceed \$20,000.00.

Bidders are required by law to submit a Statement of Ownership Disclosure form statement setting forth the names and addresses of all persons and entities that own ten (10%) percent or more of its stock or interest of any type at all levels of ownership.

Statement of Ownership Requirement: Pursuant to N.J.S.A. 52:25-24.2, Bidders shall submit a statement setting forth the names and addresses of all persons and entities that own ten percent or more of its stock or interest of any type at all levels of ownership.

The bid package will also include other documents that must be completed and returned with 40A;11-1 et seq., the bid. Failure to comply with Instructions to Bidders and to complete and submit all required forms, may be cause for disqualification and rejection of the bid.

The Township of Piscataway reserves the right to reject any or all bids pursuant to N.J.S.A. 40A:11-1 et seq., and to waive any informalities that may be in the best interests of the Township.

MARIA E.VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

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Review all sections that may affect your work and include applicable requirements. All contracts are based on scope information within the whole document set and are not limited to “trade” drawings and specifications.

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	<i>Advisory Information for Bidders</i>
	1. Promptness of Bid Submittal
	2. Parking
	3. Mail
	4. UPS/FED EX
	5. Hand Deliver Bids – Suggested Practice
	Bid Checklist (A)
	Reminder Checklist (B)
	Return the entire original bid packet intact by the indicated deadline.
<u>GENERAL SPECIFICATIONS (for Bidding)</u>	
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6	Americans with Disabilities Act; Facilities for Handicapped Persons
7	Anti-Discrimination Provisions—N.J.S.A. 10:2-1
8	Architect or Construction Contract Disputes; Alternate Dispute Resolution Process
9	Bid Guarantee and Bonding Requirements
10	Township Performance Payment Bond Form and Instructions
11	Bid Proposal Form
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15	Challenges to Bid Specifications
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23	Duplicate copy; must be a “PHOTO COPY” of the ORIGINAL.

<u>Section Title</u>	
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25	Examination of Specifications, Acknowledgement
26	False Material Representation
27	Force Majeure
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41	Prevailing Wages: Construction, Alterations, Repairs
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- Pre-Bid Meeting
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Bidder's Comment Form

Contractor Questionnaire/Certification

Contractor's Registration Certification

Equipment Certification

Iran Disclosure of Investment Activities

Non-Collusion Affidavit

Pre-Qualification Affidavit—No Material Adverse Change

Prevailing Wages Certification

Statement of Ownership Disclosure Form

Subcontractor's Disclosure Statement

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4. Structural Steel & Iron Work

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Exhibit B –Mandatory Language Equal Employment Opportunity

AA201 Instructions for Completing the Initial Project Workforce Report

AA202 Monthly Project Workforce Report-Construction & Instructions

Township Performance Payment Bond Form with Bid Document & Instructions

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Model Performance Bond – *Sample*

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Sample of Certificate Of Employee Information Report

Sample of Sate of New Jersey Business Registration Certificate

Sample of W-9

Sample of Certificate of Insurance

Sample of Bid Bond Form

Sample of Piscataway Performance Bond Form

Sample of NJ Labor Payroll Forms

Sample of NJ AA-202 Forms

Sample of NJ AA-201 Forms

Sample of NJ AA-302 forms

ETHICS IN PURCHASING

Township Responsibility

Recommendation of Purchases

It is the desire of The Township of Piscataway to have all employees and officials practice exemplary ethical behavior in the procurement of goods, materials, supplies, and services.

Officials and employees who recommend purchases shall not extend any favoritism to any vendor. Each recommended purchase should be based upon quality of the items, service, price, delivery, and other applicable factors in full compliance with N.J.S.A. 40A:11-1 et seq.,

Solicitation/Receipt of Gifts – Prohibited

Officials and employees are prohibited from soliciting and receiving funds, gifts, materials, goods, services, favors, and any other items of value from vendors doing business with The Township of Piscataway or anyone proposing to do business with the Township.

Vendor Responsibility

Offer of Gifts, Gratuities -- Prohibited

Any vendor doing business or proposing to do business with The Township of Piscataway, shall neither pay, offer to pay, either directly or indirectly, any fee, commission, or compensation, nor offer any gift, gratuity, or other thing of value of any kind to any official or employee of The Township of Piscataway or to any member of the official's or employee's immediate family.

Vendor Influence -- Prohibited

No vendor shall cause to influence or attempt to cause to influence, any official or employee of the Township of Piscataway, in any manner which might tend to impair the objectivity or independence of judgment of said official or employee.

Vendor Certification

Vendors or potential vendors will be asked to certify that no official or employee of The Township of Piscataway or immediate family members are directly or indirectly interested in this request or have any interest in any portions of profits thereof. The vendor participating in this request must be an independent vendor and not an official or employee of the Township.

MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

TOWNSHIP OF PISCATAWAY

ADVISORY INFORMATION FOR BIDDERS

1. PROMPTNESS OF BID SUBMITTAL

It is the responsibility of the bidder to ensure that their bid is presented in a sealed envelope and submitted to the Purchasing Office, prior to the advertised bid date and time [Via ZOOM](#). The advertised bid date and time for this bid is on **Thursday, November 18, 2021 @ 2:00pm**. No bids shall be received after the time designated in the bid advertisement. No extensions or exceptions will be made. The Purchasing Office is opened Monday through Friday from 8:30am – 4:30pm and closed for lunch from 12:20pm to 1:30pm. Once again, bids will not be received after the time designated in the advertisement. Bidders must call Purchasing @732-562-2321 to hand deliver the sealed bid. The Municipal Building is closed due to the Covid-19.

PLEASE, MAKE SURE YOUR SEALED BID ARRIVES BY OR BEFORE 12NOON. OPENED VIA ZOOM @2PM.

2. PARKING

Allow enough time to locate a parking space.

3. MAIL

Mail is brought to the Clerk's Offices in mailbags, approximately 11:30am each day. The mail is then sorted within the Township system, by departments. The Clerk's Office routinely receives its mail at approximately 11:30am. The Clerk will personally turn it in to the Purchasing Agent before the advertised date and time.

4. UPS / FED EX / AND OTHER EXPRESS DELIVERY SERVICES

Deliveries of this type usually begin at 9:00 a.m. These items are brought only to the Clerk's Office. The Clerks Office then calls the various departments with a request to pick up their items. The Clerk will personally turn it in to the Purchasing Agent before the advertised date and time. **Please, Make Sure Name of the BID IS ON THE OUTSIDE OF THE FEDEX /UPS ENEVELOPE.**

5. HAND DELIVER BIDS – SUGGESTED PRACTICE

Keeping the aforementioned items in mind, the Township suggests that bidders arrange to hand deliver their bid to the Purchasing Office to the Purchasing Agent before the advertised date and time. Please understand that bids arriving after the advertised bid date and time, for any reason, cannot be accepted, opened or considered. CALL 732-562-2321 to drop off the sealed bid. **PLEASE MAKE SURE YOU DROP OFF YOUR SEALED BID BY OR BEFORE 12NOON.**

Submission of (1) Original Bid in [Blue Ink](#) and (1) Photo Copy of the original marked "TRUE COPY".

Required (1) Original Bid Bond only with the Original bid packet.

All bids are to be submitted in duplicate; one (1) Original; one (1) Photo Copy of the Original Marked "TRUE COPY. No originals in the True copy

Bidders must call the purchasing office at 732-562-2321 to drop off the sealed bid. The Municipal building is closed to the public due to the Covid-19. PLEASE, MAKE SURE YOR SEALED BID ARRIVES BEFORE 2PM.

During the Covid-19 pandemic, while the statewide “State of Emergency” declaration is still in effect in according with Executive Order 107 all proposal packets will only be read and opened electronically “BROADCAST LIVE” via ZOOM Bid opening. The Municipal building is closed due to the Covid-19 restrictions. Once the bid opening is concluded bidders must call the Purchasing Agent @ 732-562-2321 to set an appointment if bidders wishes to review any of the bids.

All bids shall be kept sealed , and will be received and publicly opened on the proposal opening date and time in the Township Council Chambers using Virtual teleconferencing which can be access by logging in to zoom in the following manner:

Join Zoom Meeting:

Piscataway Purchasing is inviting you to a scheduled Zoom meeting.

Topic: TOWNSHIP OF PISCATAWAY BID OPENING

Topic : 2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Time: Nov 18, 2021 02:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/87915173613?pwd=RzBBaFRHQTB4bU9SNE04SEhLODRDdz09>

Meeting ID: 879 1517 3613

Passcode: 878130

One tap mobile

+13017158592,,87915173613#,,,,*878130# US (Washington DC)

+13126266799,,87915173613#,,,,*878130# US (Chicago)

Dial by your location

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 646 876 9923 US (New York)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 408 638 0968 US (San Jose)

Meeting ID: 879 1517 3613

Passcode: 878130

PLEASE, MAKE SURE YOUR DROP OFF YOUR SEALED BID BY OR BEFORE 12NOON.

BID OPENED AT 2PM VIA ZOOM.

Township of Piscataway

BID CHECKLIST (A)

A. Bid packages must be submitted in duplicate on the proposed forms as provided, and in the manner designated. The Township of Piscataway will accept one original bid package and one copy of the bid package. Please include all items, organized as follows:

1. Addenda, Acknowledgement
2. Americans with Disabilities Act—Acknowledgement
3. Bid Proposal Form
4. Bid Guarantee (Bid Bond, Cashier's Check, or Certified Check)
5. Business Registration Certificate -- New Jersey—Submit with bid or prior to award of contract
6. Certificate (Consent) from Surety
7. Contractor Questionnaire / Certification
8. Contractor's Registration Certification
9. Contractor Registration Certificate—Submit with bid or prior to award of contract
10. Equipment Certification
11. Iran Disclosure of Investment Activities
12. Non-Collusion Affidavit
13. Notice of Classification Form
14. Prequalification Affidavit—No Material Adverse Change
15. Prevailing Wages Certification
16. Statement of Ownership Disclosure
17. Subcontractor's Disclosure Statement and all required attachments for subcontractors.
18. Sworn Contractor Certification; Qualifications and Credentials
19. Bidder Comment Form - Optional
20. Bid Cover Page, with name ,address ,phone number, E-mail address **REQUIRED**
21. Hold Harmless Agreement

Failure to submit the above listed documents with the bid package may be cause for rejection of the entire bid for being non-responsive

THE TOWNSHIP OF PISCATAWAY

BID CHECKLIST (B)

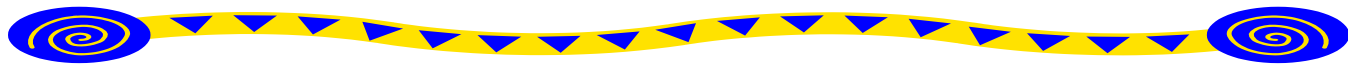
B. Reminder Checklist

As a courtesy, the Office of the Purchasing Agent has prepared this reminder checklist to items pertaining to this bid. The checklist is not considered to be all-inclusive. Bidders are to read and become familiar with all instructions outlined in the bid package.

<u>Item</u>	<u>Yes</u>	<u>No</u>
1. Have you verified your pricing to ensure accuracy?		
2. Have you answered every question fully and accurately?		
3. Have you signed all your documents (Blue Ink)? No facsimile signature.		
4. Have you prepared all documents for submission?		
5. Did you make a copy of the bid package for your records?		
6. Did you make a Photo Copy of the original and marked "True Copy" of the original bid for the Township? No Original documents on the True Copy.		
7. Did you submit a signed Bid Guarantee? Signed Consent of Surety? Only one original is <u>required</u> in the Original Bid packet.		
8. Did you correctly address the envelope, title of bid?		
9. Have you allowed ample time for the bid to reach the Clerk's Office? <hr/>		
10. REQUIRED: Bid Cover Page: Name, Address, Phone Number, E-mail Address?		

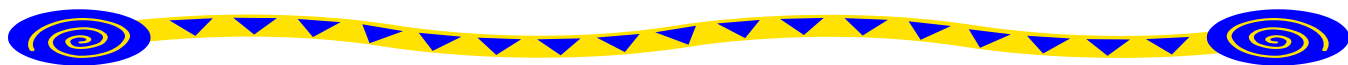
THE TOWNSHIP OF PISCATAWAY

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS



GENERAL SPECIFICATIONS

Page 1-58



MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

THE TOWNSHIP OF PISCATAWAY

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

INSTRUCTIONS TO BIDDERS

1. BIDS ARE TO BE SUBMITTED TO:

Division of Purchasing/ Attention Purchasing Agent
The Township of Piscataway
455 Hoes Lane
Piscataway, New Jersey 08854

BY: **2:00 p.m.** PREVAILING TIME

ON: **Thursday, November 18, 2021**

By mail, delivery service or in person. Bids that are submitted are to be sealed and will be unsealed and announced at the bid opening meeting.

2. Bid Packages to be submitted in Duplicate. Bids must be placed in a *sealed* envelope/package marked as shown below on the front of the envelope/package. Bid packages must be submitted **in duplicate** on the proposed bid submittal forms as provided, and in the manner designated. The Township of Piscataway requires one original bid package, one duplicate true copy of the bid package. The extra copies are necessary for processing of the bids. Bidders should also keep a complete copy of the bid packet, exactly as submitted.

Outside of Envelope Label Information:

Township:	<u>THE TOWNSHIP OF PISCATAWAY</u>
Bid Number:	<u>2021-11-34</u>
Project:	2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS
Bid Date:	<u>Thursday, November 18, 2021</u>
Bid Time:	<u>2:00pm (BROADCAST LIVE Via ZOOM)</u>
Bidder:	<i>Name of Company</i>
	<i>Address</i>
	<i>City,</i>
	<i>State, Zip</i>

Failure to properly label the bid envelope may be cause for the rejection of the bid.

The Township of Piscataway does not accept electronic (e-mail) submission of bids.

3. BID OPENING MEETING

All bids will be publicly received and unsealed by the Purchasing Agent opened at the above address and read beginning at **2:00pm** on **Thursday, November 18, 2021**. Bidders and/or their authorized agents, and the general public are invited to be present at the bid opening **Via ZOOM**. It is the responsibility of each bidder to ensure that their bid is complete and presented to the Purchasing Agent prior to the advertised bid date and time. No bids shall be received or accepted by The Township of Piscataway after the advertised bid date and time. **PLEASE, MAKE SURE YOUR SEALED BID ARRIVES WAY BEFORE 2PM.**

Join Zoom Meeting:

Piscataway Purchasing is inviting you to a scheduled Zoom meeting.

Topic: TOWNSHIP OF PISCATAWAY BID OPENING

Time: Nov 18, 2021 02:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/87915173613?pwd=RzBBaFRHQTB4bU9SNE04SEhLODRDdz09>

Meeting ID: 879 1517 3613

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Dial by your location

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+1 646 876 9923 US (New York)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 408 638 0968 US (San Jose)

Meeting ID: 879 1517 3613

Passcode: 878130

PLEASE, MAKE SURE YOUR DROP OFF YOUR SEALED BID BY OR BEFORE 12NOON.

BID WILL BE OPENED AT 2PM VIA ZOOM

BIDDING REQUIREMENTS

4. AFFIRMATIVE ACTION—EQUAL EMPLOYMENT OPPORTUNITY IN PUBLIC CONTRACTS--EEO

The construction contractor shall complete and submit an Initial Project Workforce Report, **Form AA-201** upon notification of award by the governing body. Proper completion and submission of this Report shall constitute evidence of the contractor's compliance with the regulations. Failure to submit this form may result in the contract being terminated. The contractor also agrees to submit a copy of the Monthly Project Workforce Report, **Form AA-202** once a month thereafter for the duration of the contract to the Department of Labor Workforce and Development and to The Township of Piscataway Public Agency Compliance Officer.

All bidders should familiarize themselves with N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27-1.1 et seq. MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE—EXHIBIT B. If awarded a contract, your company/firm will be required to comply with the above requirements.

All relevant questions should be related to:

Department of Treasury
Division of Purchase and Property
Contract Compliance and Audit Unit
EEO Monitoring Program—PO Box 206
Trenton, New Jersey 08625-0206
(609) 292-5473

5. AMERICAN GOODS

In accordance with N.J.S.A. 40A:11-1 et seq., only manufactured products of the United States, wherever available, and where possible are to be used with this project.

6. AMERICANS WITH DISABILITIES ACT; FACILITIES FOR HANDICAPPED PERSONS

The contractor must comply with all provisions of Title II of the Americans with Disabilities Act (ADA), P.L. 101-336, in accordance with 42 U.S.C. 121.01 et seq. The Township of Piscataway further recognizes that all specifications for the construction, remodeling or renovation of any public building shall provide facilities for the physically handicapped.

It is further recommended that bidders are required to read the Americans with Disabilities language form that is included in these specifications. The form shall be signed to show agreement with the provisions of Title II of the Act and the provisions are to be made a part of the contract. The signed form shall be submitted with the bid proposal. The contractor is obligated to comply with the Act and to hold the owner harmless.

7. ANTI-DISCRIMINATION PROVISIONS—N.J.S.A. 10:2-1

N.J.S.A. 10:2-1. Antidiscrimination provisions. Every contract for or on behalf of the State or any county or municipality or other political subdivision of the State, or any agency of or authority created by any of the foregoing, for the construction, alteration or repair of any public building or public work or for the acquisition of materials, equipment, supplies or services shall contain provisions by which the contractor agrees that:

a. In the hiring of persons for the performance of work under this contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this contract, no contractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates;

b. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such contract, on account of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;

c. There may be deducted from the amount payable to the contractor by the contracting public agency, under this contract, a penalty of \$50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the contract; and

d. This contract may be canceled or terminated by the contracting public agency, and all money due or to become due hereunder may be forfeited, for any violation of this section of the contract occurring after notice to the contractor from the contracting public agency of any prior violation of this section of the contract.

No provision in this section shall be construed to prevent the township from designating that a contract, subcontract or other means of procurement of goods, services, equipment or construction shall be awarded to a small business enterprise, minority business enterprise or a women's business enterprise pursuant to P.L..).

8. ARCHITECT OR CONSTRUCTION DISPUTES; ALTERNATIVE DISPUTE RESOLUTION PROCESS

All disputes relating to construction contracts or relating to contracts for engineers or architects, surveyors, design or skilled services relating to construction contracts for prompt payment issues shall be submitted to the following Alternative Dispute Resolution process (“ADR”):

All disputes shall first be submitted to the architect of record, if there is one, for a determination. If thirty (30) days pass without a determination by the architect or a determination is made that does not resolve the dispute, then the claims shall be submitted for non-binding mediation by a single mediator.

The mediation shall be held where the project is located before a mediator who is mutually acceptable to the parties. The parties shall share the mediator’s fees equally. If the dispute is submitted for mediation the neutral party involved must demonstrate knowledge of the Local Public Contracts Law.

Nothing shall prevent either party from seeking injunctive or declaratory relief in court at any time.

The alternative dispute resolution practices required by this section shall not apply to disputes concerning the bid solicitation process, or to the formation of contracts.

The Bidder further agrees to include a similar provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors to include similar mediation provisions in all agreements with subcontractors, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements. The arbitration of claims is expressly excluded under this Contract.

If the parties cannot resolve their dispute through the mediation process, the parties are free to file an action in the appropriate court of law.

****AIA- Document's will Not be accepted by The Township of Piscataway. Sample of acceptable Bid Bond Form in the bid.**

9. BID GUARANTEE AND BONDING REQUIREMENTS

A. Bid Guarantee Bidders shall submit with their bid package a bid guarantee made payable to: The Township of Piscataway ("Township"). The guarantee shall be in the form of a certified check, cashier's check or bid bond in the amount of 10% of the bid, but not in excess of \$20,000. Such deposit shall be forfeited upon refusal of a bidder to execute a contract. Any bid in the form of a check shall be returned when the contract is executed and surety (performance) bond filed with the Township.

The bid guarantee check for unsuccessful bidders, if requested, will be returned as soon after the bid opening as possible, but in no event later than (10) days after the bid opening.

Please note: Uncertified business checks, personal checks or money orders are not acceptable.

All bid bonds submitted must be signed and witnessed with original signatures. The Township will not accept facsimile or rubber stamp signatures on the bid bond. **Failure to sign the bid bond by either the Surety or Principal, and/or failure to submit the properly executed bid bond with the bid package, shall be deemed cause for disqualification and rejection of the bid.**

The Attorney-in-Fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of the Power of Attorney. The Township of Piscataway will only accept bid bonds from companies that are licensed and qualified to do business in the State of New Jersey. Such a list may be available upon request to the State of New Jersey, Department of Banking and Insurance, P.O. 040, Trenton, New Jersey 08625. **Failure to submit a properly executed bid guarantee shall be cause for disqualification and rejection of bid.**

Please note: The name, address and phone number of the Bond Underwriter as well as the Bond Number shall be included with all bonds submitted to the Township.

B. Certificate (Consent) of Surety—N.J.S.A. 40A:11-1 et seq.,

Each bidder must submit with his bid a certificate from a surety company stating that the surety company will provide the contractor with a performance bond in an amount equal to the amount of the contract (N.J.S.A. 40A-11-1 et seq.). Such surety company must be licensed and qualified to do business in the State of New Jersey. All certificate (consent) of surety documents must be signed with original signatures.

The Township will not accept facsimile or rubberstamp signatures. The certificate (consent) of surety, together with a power of attorney must be submitted with the bid. Submission of a Consent of Surety which contains any prior conditions upon the Surety's issuance of the required Bonds (other than the award of the contract) may be cause for rejection of the bid.

(1) Original Bid Bond with the Original bid packet only.

****AIA- Document's will Not be accepted by The Township of Piscataway. Sample of acceptable Bid Bond Form in the bid.**

Failure to sign the Certificate (Consent) of Surety by either the Surety or Principal, and/or failure to submit the properly executed Certificate (Consent) of Surety with the bid package, shall be deemed cause for disqualification and rejection of the bid.

****AIA- Documents will Not be accepted by The Township. Bidders must use Township Performance Payment Bond Form in the bid(-Sample)**

C. Performance Bond--(N.J.S.A. 2A:44-143/2A:44-147)

The successful contractor shall furnish a Performance, Payment and Completion Bond in a sum of at least one hundred percent (100%) of the total amount payable by the terms of his Contract. Such written guarantee shall be made payable to the Township of Piscataway and shall be in the form required by Statute. Attached to the performance bond shall be a Surety Disclosure Statement and Certification which shall be complete in all respects and duly acknowledged according to law. A model Surety Disclosure Statement and Certification is presented in the Appendix Section of this proposal.

Such bond shall further carry a stipulation that no advance, premature, excessive or delayed payments by the Township shall in any way affect the obligation of the Surety on its bond.

Such bond shall further stipulate that no payments made to the contractor, nor partial or entire use of occupancy of the work by the Township shall be an acceptance of any work or materials not in accordance with this Contract and the Surety shall be equally bound to the same extent as the Contractor.

It is expressly stipulated that the Surety for the Contractor on the project shall be obligated to make periodic inquiries of the Township at reasonable times, to determine whether its Principal has performed or was performing the Contract in accordance with all its terms and conditions, particularly in relation to the progress payments scheduled under said Contract with the Township.

In the event the Contractor defaults or fails to perform or finish the work prescribed under the Contract for any reason whatsoever, it shall become the unqualified obligation the Surety for the defaulting contractor to complete the Contract in accordance with its terms following receipt of notice from the Township of such default.

The Township shall only accept one payment and performance bond to cover this public works contract. The performance bond shall contain language as found in N.J.S.A. 2A:44-14. The bond form language is presented in the Appendix Section of this proposal.

Such Performance, Payment and Completion Bond shall be executed and delivered to The Township of Piscataway when so requested by the Notice to Proceed Letter or within ten (10) days after the award of contract.

The Township of Piscataway will only accept performance bonds from surety companies that are licensed and qualified to do business in the State of New Jersey, and if the amount of the bond is \$850,000 but not more than \$3.5 million, the surety shall hold a current certificate of authority, issued by the United States Secretary of the Treasury pursuant to 31 U.S.C. 9305. (N.J.S.A. 2A:44-143 (b))

Please note: The name, address, and phone number of the Bond Underwriter as well as the Bond Number shall be included with all bonds submitted to The Township of Piscataway and must be duly signed with original signatures.

When applicable, for multi-year contracts and for extension of contracts, the Performance Bond may be re-submitted each year on the contract anniversary date for one hundred per cent (100%) of the contract amount.

****AIA- Document's will Not be accepted by The Township of Piscataway. Bidders must use Township Performance Payment Bond Form in the bid. Sample of Township Form in the bid.**

BID RESULTS. Preliminary bid results you can E-mail purchasing@piscatawaynj.org generally within **24-36 hours after date and time of bid opening**

10. BID PROPOSAL FORM

All bids are to be written in by typewriter or ink in a legible manner on the official Bid Proposal Form. Any bid price showing any erasure or alteration must be initialed by the bidder in ink, at the right margin next to the altered entry. Failure to initial any erasure or alteration may be cause to disqualify that particular bid entry. If the disqualified entry is a required one, the entire bid may be subject to rejection, so please fill out all entries with care.

Business Organization

Each Bid Proposal Form must give the full business address, business phone, fax, e-mail, the contact person of the bidder, and be signed by an authorized representative as follows:

- Bids by partnerships must furnish the full names of all partners and must be signed in the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and designation of the person signing.
- Bids by corporations must be signed in the legal name of the corporation, followed by the name of the State in which incorporated and must contain the signature and designation of the president, secretary or other person authorized to bind the corporation in the matter.
- Bids by sole-proprietorship shall be signed by the proprietor.
- When requested, satisfactory evidence of the authority of the officer signing shall be furnished.

The Bid Proposal Form must be duly signed by the authorized representative of the company, at the end of the Bid Proposal Form. **Failure to sign in Blue Ink the Bid Proposal Form may be cause to disqualify the entire bid.** If the Bid Proposal Form contains more than one sheet, then bidders are requested to affix the company name and address on each intervening sheet between the front sheet and the signature sheet which already bear the company information.

The Township of Piscataway will not consider any bid on which there is any alteration to, or departure from, the bid specifications. Bidders are not to make any changes on the Bid Proposal Form, or qualify their bid with conditions differing from those defined in the contract documents. If bidders do make changes on the Bid Proposal Form, except as noted above for initialed clerical mistakes, it may be cause to disqualify that particular bid as non-responsive. (N.J.S.A. 40A:11-1 et seq.,)

The bidder also conveys by submitting a bid that the company he represents is financially solvent, experienced in and competent to perform the type of work so specified.

11. **BIDDER COMMENT SHEET**

This form is for the Bidder's use in offering voluntary alternates, or other comments intended to afford the Township information or opportunities to improve the quality of the project, without invalidating the bid proposal. It may *not* be used to take exception to specific conditions of the project defined in the contract documents which the Bidder does not like. The bid provided must be based upon the plans and specifications, and all contract conditions, as stated. If these documents or conditions contain some untenable item, or extremely expensive provision, for example, to which the Bidder wishes to raise objection, this must be done at the pre-bid meeting, or in writing to the Purchasing office at: Purchasing@piscatawaynj.org through the question process outlined in the Instructions to Bidders. Such inquiries will have response issued by addendum only, and the resulting decision circulated to all bidders of record.

12. **BIDDER'S RESPONSIBILITY FOR BID SUBMITTAL**

It is the responsibility of the bidder to ensure that their bid is presented to The Township of Piscataway and officially received before the advertised date and time of the bid. It is understood and agreed upon that any person in The Township of Piscataway will be absolved from responsibility for the premature opening of any bid not properly labeled and sealed. Failure to properly label the bid envelope may be cause for the rejection of the bid. **PROPERLY NAME OF THE BID: OUTSIDE OF THE ENVELOPE MUST BE LABEL CLEAR.**
ON YOUR FEDEX OR UPS ENVELPLE THE NEAME OF THE BID MUST BE ON THE OUTSIDE.

QUESTIONS REGARDING PLANS & SPECIFICATIONS. Should any bidder be in doubt as to the intent of the Plans and Specifications, he should immediately notify the Purchasing Agent in writing, who will send a written addendum to all bidders covering the point in question. Bidders may not rely upon oral before submitting bids, the bidder shall apply in writing to the Purchasing Agent for clarification or interpretation of any conflicting information between two or more statements in the Plans and Specifications. If such clarification is not requested before bidding, the bidder shall be responsible for doing such work and furnishing such materials, as is necessary to comply with whichever interpretation of the Plans and Specifications the Engineer may, during construction, judge to be proper. Question to be E-mailed to Purchasing@piscatawaynj.org

13. BUSINESS REGISTRATION CERTIFICATE (N.J.S.A. 52:32-44)

Pursuant to N.J.S.A. 52:32-44 as amended, a contractor shall provide the contracting agency with the business registration of the contractor and that of any named subcontractor prior to the time a contract, purchase order, or other contracting document is awarded or authorized. At the sole option of the contracting agency, the requirement that a contractor provide proof of business registration may be fulfilled by the contractor providing the contracting agency sufficient information for the contracting agency to verify proof of registration of the contractor, or named subcontractors, through a computerized system maintained by the State.

Request of the Township

All bidders or companies providing responses for requested proposals, are **requested** to submit with their response package a copy of their "New Jersey Business Registration Certificate" as issued by the Department of Treasury of the State of New Jersey.

The Township reminds all respondents that failure to submit the New Jersey Business Registration Certificate prior to the award of contract will result in the rejection of the proposal.

A subcontractor named in a bid or other proposal made by a contractor to a contracting agency shall provide a copy of its business registration to any contractor who shall provide it to the contracting agency pursuant to the provisions of subsection b. of this section. No contract with a subcontractor shall be entered into by any contractor under any contract with a contracting agency unless the subcontractor first provides the contractor with proof of a valid business registration.

The contractor shall maintain and submit to the contracting agency a list of subcontractors and their addresses that may be updated from time to time during the course of the contract performance. A complete and accurate list shall be submitted before final payment is made for goods provided or services rendered or for construction of a construction project under the contract. A contracting agency shall not be responsible for a contractor's failure to comply with this subsection.

A contractor or a contractor with a subcontractor that has entered into a contract with a contracting agency, and each of their affiliates, shall collect and remit to the Director of the Division of Taxation in the Department of the Treasury the use tax due pursuant to the "Sales and Use Tax Act," P.L.1966, c.30 (C.54:32B-1 et seq.) on all their taxable sales of tangible personal property delivered into this State.

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE
 FOR STATE AGENCY AND CASINO SERVICE CONTRACTORS

DEPARTMENT OF TREASURY
 DIVISION OF REVENUE
 PO BOX 252
 TRENTON, N.J. 08646-0252


TAXPAYER NAME: TAX REGISTRATION TEST ACCOUNT
 TAXPAYER IDENTIFICATION#: 970-097-382/500
 ADDRESS: 847 ROEBLING AVE
 TRENTON NJ 08611
 EFFECTIVE DATE: 01/01/01
 FORM-BRC(08-01)

TRADE NAME: CLIENT REGISTRATION
 SEQUENCE NUMBER: 0107330
 ISSUANCE DATE: 07/14/04

John S. Tully
 Acting Director

This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.

SAMPLES OF
NEW JERSEY
BUSINESS REGISTRATION
CERTIFICATES

 **STATE OF NEW JERSEY**
BUSINESS REGISTRATION CERTIFICATE

Taxpayer Name: TAX REG TEST ACCOUNT
 Trade Name:
 Address: 847 ROEBLING AVE
 TRENTON, NJ 08611
 Certificate Number: 1093907
 Date of Issuance: October 14, 2004

For Office Use Only:
 20041014112823533

N.J.S.A. 54:49-4.1: Violations of Registration Requirements; Penalties.

A business organization that fails to provide a copy of a business registration as required pursuant to section 1 of P.L.2001, c.134 (C.52:32-44 et al.) or subsection e. or f. of section 92 of P.L.1977, c.110 (C.5:12-92), or that provides false information of business registration under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency or under a casino service industry enterprise contract.

14. CHALLENGES TO BID SPECIFICATIONS (N.J.S.A. 40A:11-1 et seq.,)

Any prospective bidder who wishes to challenge a bid specification shall file such challenges in writing with the Purchasing Agent no less than three (3) days prior to the opening of bids. Challenges filed after that date shall be considered void and having no impact on The Township of Piscataway or the award of a contract.

15. CHANGE ORDERS (N.J.A.C. 6A:26-4.9, 4.10 et seq.) (N.J.A.C. 5:30-11.1 et seq.)

The Township Approval Required; Prior to Issuance of Change Order (N.J.A.C. 5:30-11.2)

Change orders may be approved by The Township of Piscataway in an amount up to twenty percent (20%) when necessitated by one of the following:

- Emergencies consistent with N.J.S.A. 40A:11-1 et. Seq.;
- Unforeseeable physical conditions; or
- Minor modification to the project/scope that achieve cost savings, improve service or resolve construction conditions.

Contractors are prohibited to perform any change order unless so directed in writing by the Township, Office of the Purchasing Agent.

16. CONTRACTS

A. Award of Contract; Rejection of Bid

The contract shall be awarded, if at all, to the lowest responsible bidder as determined by the Township. The Township of Piscataway reserves the right to reject any or all bids as authorized by the Local Public Contracts Law, and to waive any informalities the Township feels are in the best interests of the Township.

Award the Contract or Reject All Bids--Sixty (60) Days

Pursuant to N.J.S.A. 40A:11-1 et seq., The Township of Piscataway shall award the contract or reject all bids within sixty (60) days of the advertised date and time, except that bids of any bidders who consent thereto may, at the request of the Township, be held in consideration for such longer period as may be agreed.

B. Equal Prices

Pursuant to the statute when two or more bidders submit equal prices and the prices are the lowest responsible bids, the Township may award the contract to the vendor whose response, in the discretion of the Township, is the most advantageous, price and other factors considered.

EQUAL OR TIE BID. The Township of Piscataway reserves the right to award at their discretion, in the best interest of the Township and with reference to the information submitted with the proposals, to any of the tie bidders.

UNIT PRICES. All unit prices, and all lump sum prices, in the bid proposal shall include all applicable fees, cost, and tax (if any) relating to project, and all charges for overhead, profit, insurance, etc. The successful bidder will not be responsible for real property tax on any property of the Owner, including the site of the project. Bid proposal amount will exclude all Federal Excise Tax and sales tax of all states, except those if any.

PRICING ERROR. If a pricing error is discovered after bid opening between the unit price and the total extended price, the unit price shall prevail.

RIGHTS RESERVED BY TOWNSHIP. The Township reserves the right to reject any and all bids, to waive any informalities or irregularities in the bids received, and to accept any bid which is deemed most favorable to the Township of Piscataway, New Jersey, at the time and under the conditions stipulated. Proposals incorporating deviations which, in the judgment of the Purchasing Agent, are a clear departure from the intent and purpose of these specifications will not be considered.

C. Return of Contracts and Related Contract Documents

Upon written notification of award of contract by the Township, the contractor shall sign and execute a formal contract agreement between the township and Contractor and return the executed contracts along with:

1. Performance Bond in the total amount of the contract.
2. Insurance Certificate with The Township of Piscataway named as an additional insured.
3. Affirmative Action Form AA-201 - Initial Project Workforce Report - Yellow copy.
4. Other required documents as may be outlined in bid specifications & Instructions.

The above documents may also be required for submission with the official Notice to Proceed. The contracts and related documents shall be returned to the Office of the Purchasing Agent within **ten (10) days of receipt of notification**. Failure to execute the contract and return said contract and

related required documents within the prescribed time may be cause for the annulment of award by the Township with the bid security becoming property of the Township.

D. Alterations of Contract

The Township of Piscataway reserves the right to alter or amend the contract by adding to or subtracting from the work herein specified, such additions or omissions being done under the general conditions of these specifications and the terms of the Contract. No changes shall be permitted from the specifications except that the same be in writing and the amount of the extra compensation or credit stipulated therein. Refer to Change Order Section.

E. Term of Contract

The contractor, to whom the contract is awarded, will be required to do and perform the work/services and to provide and furnish the materials in connection therewith in accordance with **the plans and specifications on or before the date listed in the Technical Specifications.**

F. Purchase Order Required

No contractor shall commence any public works project until he is in receipt of an approved purchase order authorizing work to begin. (See Notice (Authorization) to Proceed)

TERM/COMPLETION OF THE PROJECT: AS PER SPECIFICATION/PROPOSAL PAGES

17. CONTRACTOR'S REGISTRATION EVIDENCE

A. Valid Certificate – Receipt of Bid

All contractors must adhere to the provisions of the Public Works Contractor Registration Act – N.J.S.A. 34:11-56.48 et seq. The PWCRA requires that *“No contractor shall bid on any contract for public work . . . unless the contractor is registered pursuant to this act.”* The law requires that all contractors and sub-contractors named in the proposal possess a valid certificate at the time the proposal is received by the contracting unit, in this case the Township.

B. Submission of Certificate – Receipt of Bid--Requested; Prior to Award--Mandatory

All bidders **are requested** to submit with the bid package a current Public Works Contractor Registration Certificate that was issued prior to the receipt of the bid.

The contractor who most likely is to be considered for the contract award, must submit a copy of the current Public Works Contractor Registration Certificate, and if applicable, copies of certifications of all listed subcontractors, prior to the award of contract. **If the successful contractor fails to provide copies of certificates prior to the award of contract, the bid may be rejected as non-responsive.**

For more information contact:

Contractor Registration Unit
Division of Wage and Hour Compliance
New Jersey Department of Labor & Workforce Development
PO Box 389
Trenton, New Jersey 08625-0389
Tel: 609-292-9464
Fax: 609-633-8591
E-mail: wage.hour@dol.nj.gov
Website: lwd.dol.state.nj.us/labor/wagehour/content/contact_us.html

18. CONTRACTOR/VENDOR REQUIREMENTS—OFFICE OF THE NEW JERSEY STATE COMPTROLLER

Contractors/vendors doing business with The Township of Piscataway are reminded of the following legal requirements pertaining to the Office of the New Jersey State Comptroller:

A. Access to Relevant Documents and Information—N.J.S.A. 52:15C-14 (d)

Private vendors or other persons contracting with or receiving funds from a unit in the Executive branch of State government, including an entity exercising executive branch authority, independent State authority, public institution of higher education, or unit of local government or the township shall upon request by the State Comptroller provide the State Comptroller with prompt access to all relevant documents and information as a condition of the contract and receipt of public monies. The State Comptroller shall not disclose any document or information to which access is provided that is confidential or proprietary. If the State Comptroller finds that any person receiving funds from a unit in the Executive branch of State government, including an entity exercising executive branch authority, independent State authority, public institution of higher education, or unit of local government or the township refuses to provide information upon the request of the State Comptroller, or otherwise impedes or fails to cooperate with any audit or performance review, the State Comptroller may recommend to the contracting unit that the person be subject to termination of their contract, or temporarily or permanently debarred from contracting with the contracting unit.

B. Maintenance of Contract Records—N.J.A.C. 17:44-2.2

Relevant records of private vendors or other persons entering into contracts with covered entities are subject to audit or review by OSC pursuant to N.J.S.A. 52:15C-14(d).

The contractor/vendor to whom a contract has been awarded, shall maintain all documentation related to products, transactions or services under this contract for a period of five years from the date of final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request.

19. DEBARMENT, SUSPENSION, OR DISQUALIFICATION – (N.J.A.C. 17:19-1.1 et seq.)

The Township of Piscataway will not enter into a contract for work with any person, company or firm that is on the State Department of Labor and Workforce Development; Prevailing Wage Debarment List, or the State of New Jersey Consolidated Debarment Report (www.state.nj.us/treasury/debarred) or the Federal System for Award—SAM.gov.

All bidders are required to submit a sworn statement indicating whether or not the bidder is, at the time of the bid, included on the State Department of Labor and Workforce Development; Prevailing Wage Debarment List or the State of New Jersey Consolidated Debarment Report, or the Federal Debarred Vendor List--Excluded Parties List System, through the System for Award Management portal—SAM.gov.

20. DOCUMENTS, MISSING/ILLEGIBLE

The bidder shall familiarize himself with all forms provided by the Township that are to be returned with the bid. If there are any forms either missing or illegible, it is the responsibility of the bidder to contact the Purchasing Agent during regular business hours or the JOSEPH HERRERA of the project as outlined in the bid advertisement for duplicate copies of the forms. This must be done before the bid date and time. The Township accepts no responsibility for duplicate forms that were not received by the bidder in time for the bidder to submit with his bid.

***Forms provided by The Township of Piscataway that must be returned with bid are referenced in the proceeding checklist.**

21. DOCUMENT SIGNATURES – ORIGINAL; BLUE INK

All documents returned to the Township shall be signed in ink (blue) with an original signature. Failure to sign and return all required documents with the bid package may be cause for disqualification and for the bid to be rejected pursuant to N.J.S.A 40A:11-1 et seq., (non-responsive). The Township will not accept facsimile or rubber stamp signatures.

Checklist of Required Documents (Forms Provided in Bid Package)

• Acknowledgement of Addenda
• Americans with Disabilities Act Bidders affidavit
• Bid Proposal Form
• Bidder Comments Form— optional Bid Bond Form
• Bid Cover Page Certification of last page
• Contractor Questionnaire/Certification
• Contractor’s Registration Certification Cover Sheet with Contractors Information
• Equipment Certification Exhibit “B” Hold Harmless Agreement Insurance Requirements
• Iran Disclosure of Investment Activities
• Non-Collusion Affidavit Plan & Experience
• Prequalification Affidavit
• Prevailing Wages Certification
• Statement of Ownership Disclosure
• Subcontractor’s Disclosure Statement
• Sworn Contractor Certification; Qualifications and Credentials

Please check your bid package for these forms!

Reminder –

(1) Original Bid and (1) Photo Copy of Original marked “True Copy”.

Bid packages are to be submitted in duplicate on the proposed forms as provided and the manner designated. The Township of Piscataway will accept one original bid package, one true copy of the original bid package.

22. EQUIPMENT CERTIFICATION (N.J.S.A. 40A:11-1 et seq.,)

Each bidder shall provide a certification showing that he owns, leases or controls all the necessary equipment required by the specifications. If the bidder is not the actual owner or lessee of any such equipment, he shall submit a certificate stating the source from which the equipment will be obtained and shall obtain a certificate from the owner and person in control of the equipment, definitely granting to the bidder the control of the equipment required during such time as may be necessary for the completion of that portion of the contract for which it is necessary.

The certificates are to be submitted with the bid. If the contract involves the installation of a manufactured system which requires the contractor to have special knowledge or training, or to be specifically certified by the manufacturer to install their system, this form is used to submit such required evidence of the bidder’s approval from the manufacturer.

23. EXAMINATION OF SPECIFICATIONS, ACKNOWLEDGEMENT

The bidder, by submitting a proposal, acknowledges that he has carefully examined the bid specifications, documents, addenda (if any), and the site; and that from his investigation, he has satisfied himself as to the nature and location of the work, the general and local conditions and all matters which may in any way affect the work or its performance, and that as a result of such examination, he fully understands the intent and purpose thereof, his obligations thereunder, and that he will not make any claim for, or have any right to damages, because of the lack of any information.

Each bidder submitting a bid for a service contract shall include in his bid price all labor, materials, equipment, services, and other requirements necessary, or incidental to, the completion of the work, and other pertinent work as hereinafter described, in accordance with the bid specifications and documents.

TERM/COMPLETION OF THE PROJECT: AS PER SPECIFICATION/PROPOSAL PAGES

24. FALSE MATERIAL REPRESENTATION/TRUTH IN CONTRACTING

A person commits a crime if the person knowingly makes a material representation that is false in connection with the negotiation, award or performance of a government contract. If the contract amount is for \$25,000.00 or above, the offender is guilty of a crime of the second degree. If the contract amount exceeds \$2,500.00, but is less than \$25,000.00, the offender is guilty of a crime of the third degree. If the contract amount is for \$2,500.00 or less, the offender is guilty of a crime of the fourth degree.

Bidder should be aware of the following statutes that represent "Truth in Contracting" laws:

- N.J.S.A. 2C:21-34, et seq. governs false claims and representations by bidders. It is a serious crime for the bidder to knowingly submit a false claim and/or knowingly make material misrepresentation.
- N.J.S.A. 2C:27-10 provides that a person commits a crime if said person offers a benefit to a public servant for an official act performed or to be performed by a public servant, which is a violation of official duty.
- N.J.S.A. 2C:27-11 provides that a bidder commits a crime if said person, directly or indirectly, confers or agrees to confer any benefit not allowed by law to a public servant.
- Bidder should consult the statutes or legal counsel for further information.

25. FORCE MAJEURE

Neither party shall be liable in damages for any failure, hindrance or delay in the performance of any obligation under this Agreement if such delay, hindrance or failure to perform is caused by conditions beyond the control of either party, including, but not limited to, Acts of God, flood, fire, war or the public enemy, explosion, government regulations whether or not valid (including the denial or cancellation of any export or other necessary license), court order, state funding, or other unavoidable causes beyond the reasonable control of the party whose performance is affected which cannot be overcome by due diligence.

Vendors, and/or contractors who have a contract with The Township of Piscataway to provide goods or services cannot unilaterally claim an increase in the cost of the contract because of Force Majeure.

26. INSURANCE AND INDEMNIFICATION

The bidder to whom the contract is awarded for any service work or construction work shall secure, pay the premiums for and keep in force until the contract expires, insurance of the types and amounts listed as listed:

General Liability	\$2,000,000. General Aggregate
	\$1,000,000. Products
	\$1,000,000. Bodily Injury Property Damage & Personal Injury Combined
	\$1,000,000. Each Occurrence
	\$ 100,000 Pollution Cleanup
	\$ 50,000. Fire Damage
	\$ 5,000. Medical Expense
Excess Umbrella Liability	\$4,000,000
	\$1,000,000 Sexual Harassment
Comprehensive Automobile Liability Coverage	\$1,000,000 Combined Single Limit Bodily Injury/Property Damage

(A) Insurance Certificate – When Required

- The contractor shall present to The Township of Piscataway an insurance certificate in the above types and limits before any work or service begins.
- Automobile liability insurance coverage shall be included for any vehicle used by the contractor.
- The certificate holder shall be as follows:

The Township of Piscataway
c/o Office of the Purchasing Agent
455 Hoes Lane
Piscataway, New Jersey 08854

Additional Insured Clause-- The contractor must include the following clause on the insurance certificate.

“The Township of Piscataway is named as an additional insured”

OTHER INSURANCES

WORKERS COMPENSATION Evidence of adequate Workers Compensation Insurance as required by the laws of the State of New Jersey and the United States, must be available for perusal. The minimum limits are the following, unless a greater amount is required by law:

Bodily Injury by Accident	\$1,000,000. Each Accident
Bodily Injury by Disease	\$1,000,000. Policy Limit
Bodily Injury by Disease	\$1,000,000. Each Employee
Contract Liability	Same as General Liability

(B) Indemnification

The contractor shall assume all risk of and responsibility for, and agrees to indemnify, defend, and save harmless the Township and its agents, employees and Township members, from and against any and all claims, demands, suits, actions, recoveries, judgments and costs and expenses (including, but not limited to, attorney's fees) in connection therewith on account of the loss of life or property or injury or damage to any person, body or property of any person or persons whatsoever, which shall arise from or result directly or indirectly from the work and/or materials supplied under this contract or the performance of services by the contractor under the agreement or by a party for the whole contract is liable. This indemnification obligation is not limited by, but is in addition to, the insurance obligations contained in this agreement.

The Contractor is to assume all liability of every sort incident to the work, including property damage caused by him or his men or by any subcontractor employed by him or any of the subcontractor's men.

(C) Builders Risk Applicable X Not Applicable

The contractor shall obtain and pay for within their bid, a Builder's Risk Policy providing coverage for all risk of physical loss or damage to the property in an amount equal to the total project value, less excavations and foundations.

The policy must be maintained for the duration of the project from the beginning of construction until:

- (i) written acceptance by **Joseph Herrera, CFM** or substantial completion, and
- (ii) a temporary certificate of occupancy or certificate of occupancy has been issued.

A copy of the policy must be delivered to The Township of Piscataway before construction begins. All of the contractor's policies, with the exception of workers' compensation, shall be endorsed naming the Township, its elected and appointed officials, and employees as additional insureds.

27. INTERPRETATIONS AND ADDENDA (N.J.S.A. 40A:11-1 et seq.,)

No interpretation of the meaning of the specifications will be made to any bidder orally. Every request for such interpretations should be made in writing to the Purchasing Agent or the **Joseph Herrera, CFM** of Record and must be received by same at least ten (10) business days, not including Saturdays, Sundays and holidays, prior to the date fixed for the opening of bids to be given consideration. Any and all interpretations and any supplemental instructions will be distributed in the form of written addenda to the specifications. The addenda will be provided by The Township of Piscataway in accordance with N.J.S.A 40A:11-1 et seq., to the bidder by certified mail, certified fax or delivery service, no later than seven (7) days, not including Saturdays, Sundays, or holidays prior to the date for acceptance of the bids. All addenda so issued shall become part of the contract document.

ADDENDA. It shall be understood that any addendum issued from time to time to provide additional information to the bidders shall become an integral part of this bid package. Receipt of Addendum shall be acknowledged by the bidders in the space provided therefore on the "Bid Proposal Form. Log onto Township bid website at www.piscatawaynj.org for any addendums.

28. IRAN DISCLOSURE OF INVESTMENT ACITIVITIES- (N.J.S.A. 40A:11-1 et seq.,)

The Township of Piscataway, pursuant to N.J.S.A. 40A:11-1 et seq., shall implement and comply with Public Law 2012, c.25, Disclosure of Investment Activities in Iran—N.J.S.A. 52:32-55 et seq.,

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract, must complete a certification attesting, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury’s Chapter 25 list as a person or entity engaging in investment activities in Iran.

The Chapter 25 list is found on the Divisions website

<http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>.

If the Township determines that a person or entity has submitted a false certification concerning its engagement in investment activities in Iran under section 4 of P.L.2012, c.25 (C.52:32-58), the Township shall report to the New Jersey Attorney General the name of that person or entity, and the Attorney General shall determine whether to bring a civil action against the person to collect the penalty prescribed in paragraph (1) of subsection a. of section 5 of P.L.2012, c.25 (C.52:32-59).

In addition, bidders must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes on the lower portion of the enclosed form.

The Township has provided within the specifications, a Disclosure of Investments Activities certification form for all persons or entities, that plan to submit a bid, respond to a proposal, or renew a contract with the Township, to complete, sign and submit with the proposal.

Failure to complete, sign, certify and submit the Disclosure of Investment Activities in Iran form with the bid/proposal shall be cause for rejection of the proposal.

JANUARY 29, 2021 UPDATE IRAN INVESTMENTS DISCLOSURE DOCUMENT FOR BIDS DOCUMENTS

Subject: Iran Investment Disclosure Now Pre-Award

Effective January 29, 2021, P.L. 2021, c. 4 amends the law requiring vendor and contractor disclosure of investment activities in Iran. The law allows the Iran investment disclosure form to be submitted prior to contract award and at the time the contract is renewed rather than with the bid or RFP submission. Although the law refers to State contracts, it also applies to contracting units subject to the Local Public, Public School, and County College Contracts Laws because N.J.S.A. 40A:11-2.1; 18A:18A-49.4; and 18A:64A-25.43, respectively, require these contracting units to follow the Iran disclosure procedure for State contracts. Contracting units are encouraged to review the new law with legal counsel and revise their procurement forms as necessary.

29. LIABILITY – COPYRIGHT

The contractor (vendor) shall hold and save the Township, its officials and employees, harmless from liability of any nature or kind for or on account of the use of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article or appliance furnished or used in the performance of his contract.

30. LIQUIDATED DAMAGES

The contractor agrees to substantially complete this construction project to the complete satisfaction of The Township of Piscataway by the stated contract completion date or within the number of working days so specified in the contract.

Failure to complete the project within the specified time frame or contract completion date shall lead to The Township of Piscataway assessing liquidated damages against the contractor in accordance with and pursuant to N.J.S.A. 40A:11-1 et seq.,

For each calendar day thereafter that the work included under this contract remains uncompleted in accordance with the provision of the contract or not completed to the satisfaction of the Township, the Township shall assess liquidated damages as follows:

<u>Amount of Contract</u> <u>Range of Amount</u>	<u>Liquidated Damages</u>
\$ 20,000 and less than \$ 50,000	\$ 200.00 per calendar day
50,001 and less than \$ 100,000	300.00 per calendar day
100,001 and less than \$ 250,000	500.00 per calendar day
251,001 and less than \$ 500,000	1,000.00 per calendar day
500,000 and less than \$1,000,000	2,000.00 per calendar day
1,000,000 and over	2,500.00 per calendar day

The Township may assess liquidated damages by deducting the amount from monies which may due or become due to the contract.

The Township may also assess the contractor additional damages for costs the Township may incur because each day the project remains uncompleted. These costs include but are not limited to:

- Construction management fees
- Architect/engineer fees
- administrative costs
- Any inspector or inspectors necessarily employed by The Township of Piscataway on the work, for any number of days in excess of the number allowed in the specifications

The Township of Piscataway may also assess against all monies owed to the contractor, liquidated damages for the violation of any terms and conditions of the contract or agreement by the contractor or the failure to perform said contract or agreement in accordance with its terms and conditions or the terms or conditions of the "Local Public Contracts Law," in accordance with and pursuant to N.J.S.A. 40A:11-1 et seq.,

31. **MAINTENANCE BONDS** **Required** Not Required

When required by the Township, the contractor shall furnish a Maintenance Bond for the total sum of the contract price, indemnifying The Township of Piscataway against defects in construction for a period of two **(2) years** after the completion of the work, general wear and tear excepted.

The condition of this obligation is such that if the successful contractor shall indemnify and hold harmless The Township of Piscataway from and against all losses, costs, damages and expenses, whatsoever, which the Township may suffer or compelled to pay by reason of the failure of the successful contractor to indemnify the Township against defects in construction for a period of two **(2) years** after the completion of the work.

32. **NON-COLLUSION AFFIDAVIT** (N.J.S.A. 52:34-15)

A notarized Non-Collusion Affidavit shall be submitted with the bid/proposal. The bidder/respondent has to certify that he has not directly or indirectly, entered into any agreement, participated in any collusion, discussed any or all parts of this proposal with any potential bidders, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named bid, and that all statements contained in said Proposal and in this affidavit are true and correct, and made with full knowledge that The Township of Piscataway relies upon the truth of the statements contained in said Proposal and in the statements contained in this affidavit in awarding the contract for the said bid.

The respondent has to further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees of bona fide established commercial or selling agencies maintained by the respondent.

The Township of Piscataway has provided a Non-Collusion Affidavit form here within the specifications package. All respondents are to complete, sign, have the signature notarized and submit the form with the proposal response.

Failure to submit the Non-Collusion Affidavit with the proposal may be cause for the disqualification of the proposal.

33. **NOTICE (AUTHORIZATION) TO PROCEED**

The contractor shall not perform any work, or provide any services, materials, supplies until a Notice (Authorization) to Proceed is received from the Office of the Purchasing Agent

The Township of Piscataway only recognizes the receipt by the contractor of an approved signed purchase order as a Notice to Proceed. No word of mouth, phone, fax, e-mail, letter or other form of communication to proceed is a valid Notice to Proceed.

It is the intention of the Township to officially notify the Contractor, to whom the contract was awarded, through a Notice to Proceed letter issued by the Purchasing Agent. A purchase order will accompany the Notice to Proceed letter. The contractor shall submit certain documents to the Township as so requested in the Notice to Proceed letter.

34. PAYMENTS

Every effort will be made to pay vendors and contractors within thirty (30) to sixty (60) days provided The Township of Piscataway receives the appropriate documentation including but not limited to:

- Signed voucher by vendor
- Packing slips
- Invoices

Payment will be rendered upon completion of services or delivery of full order to the satisfaction of the Township, unless otherwise agreed to by written contract or mandated by State Law*. The Township may, at its discretion make partial payments.

All payments are subject to approval by The Township of Piscataway at a public meeting. Payment may be delayed from time to time depending on The Township of Piscataway meeting schedule.

35. PAYMENT, PARTIAL, WITHHOLDING

A. Contract Thresholds; Partial Payments/Withholding

1. Contracts – Less than \$100,000 – Lump Sum Payment

Public works contracts less than \$100,000 shall be paid in one lump total sum, upon completion of the project and to the satisfaction of the Township

Contracts – Exceeding \$100,000 – Monthly Payments

Public works contracts that exceed \$100,000 shall be paid with partial payments on a monthly basis for work that was completed to the satisfaction of the Township.

3. Withholding of Monies – Percentage to be Withheld

The Township of Piscataway shall withhold the following percentages of outstanding balances of monies owed to contractors:

Balances Exceeding \$500,000 -- Two (2%) Per Cent

Balances Less than \$500,000 -- Five (5%) Per Cent

The amounts withheld shall be returned to the contracts upon fulfillment of the terms of the contract.

B. Prompt Payment

The Township of Piscataway will provide payment in accordance with the “Prompt Payment” law as codified in N.J.S.A. 2A:30A-1 et seq. All payments to contractors are subject to approval by The Township of Piscataway at a public meeting.

The Township of Piscataway generally holds its Agenda, and its Regular Public Meetings twice or more each month. It is at these meetings that The Township of Piscataway reviews payment of bills.

All bills submitted to the Township for approval and payment pursuant to N.J.S.A. 2A:30A-1 et seq. must comply with the following provisions. The “billing date” shall be the date that the contractor signs the certification on the voucher/purchase order that the work has been performed. These bills include all bills for improvements to real property and contracts for engineers, architects, surveyors, design or skilled services relating to construction work.

Bills that are required to be approved by an engineering or architecture firm (prior to submission to the Township for approval) for purposes of confirmation of successful completion of construction work, shall be approved or disapproved within twenty (20) days of submission of same to the architect or engineer. If bills are disapproved or monies withheld from payment, the notice of the reason for same shall be given within the same twenty (20) days to the contract.

The Township must approve payment of all bills. For the Township to consider a bill for approval it must be submitted to the Purchasing Agent at least two weeks prior to a scheduled/or re-scheduled Township meeting date. If the Township, or any agent or officer of the Township, determines that the bill is not approved then notice of the disapproval shall be sent to the contractor with five (5) days of the Township meeting on which the bill was listed for approval. If the bill is approved by the Township, then payment shall be made to the contractor with seven (7) days of the Township meeting as per the “payment cycle.”

Release of Liens

Neither the final payment nor any part of the retained percentage shall become due until the Contractor delivers to The Township of Piscataway a complete Release of all Liens arising out of this Contract and an affidavit that so far as he has knowledge or information, the releases include all labor and material for which a lien could be filed, but the Contractor may, if any subcontractor refuses to furnish a release in full, furnish a bond satisfactory to the Township, to indemnify him against any liens. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to The Township of Piscataway all monies that the latter may be compelled to pay in discharging such a lien, including all costs and reasonable attorney's fees

36. PRE-BID MEETING; ATTENDANCE STRONGLY ENCOURAGED!

The pre-bid meeting is an important part of the bidding process. It permits all bidders to have an equal understanding of the procurement/contracting requirements and of the scope of work involved. Although pre-bid meetings are not mandatory, all potential bidders are strongly encouraged to attend. **Please review the General Specifications for a pre-bid meeting announcement.** Any or all changes to the bid specifications discussed as a result of the pre-bid meeting will be formalized in the form of a written addenda to the specifications and distributed in accordance with N.J.S.A. 40A:11-1 et seq.,

It is anticipated that the pre-bid meeting (if any) scheduled for this project will have an agenda format such as:

A. Registration Period

At this time all attendees will be asked to register to attend this meeting. Proper photo identification is required. Plans and specifications may be available for purchase from the Architect/Engineer of Record. Attendance will be recorded.

B. Review of Procurement/Contracting Requirements—Purchasing Agent

The Purchasing Agent will review the major components of the procurement and contracting requirements of the bid.

C. Scope of Work and Scheduled Completion Time—**Joseph Herrera, CFM.**

Joseph Herrera, CFM of Record, in conjunction with the Division of Engineering and the Purchasing Agent will review the scope of the work that is requested and completion time requirements (**As per Specifications Number of Working Days**). A review of the plans and any drawings may take place.

D. Walkthrough of Facility/Site

Joseph Herrera, CFM, in conjunction with the Division of Engineering and/or the Purchasing Agent, may conduct a facility site walkthrough with all interested parties.

E. Questions; Clarifications—Official Addenda Process (**November 09, 2021 @12noon** on the Bid)

Potential bidders are permitted to ask questions during the process. Questions of substantial measure or questions that require clarification of work to be completed may be answered at the meeting, however, **Joseph Herrera, CFM** shall answer all such questions in writing in the form of an official addenda. To: purchasing@pisatawaynj.org

Any and all answers to questions, interpretations or any supplemental instructions will be distributed in the form of a written official addenda to the specifications. The official addenda will be provided by the Purchasing Agent's Office of the Township in accordance with N.J.S.A. 40A:11-1 et seq., to the bidder by E-mail to: purchasing@pisatawaynj.org, no later than seven (7) days, not including Saturdays, Sundays, or holidays prior to the date for acceptance of the bids. All addenda so issued shall become part of the bid and contract document.

37. PRE-QUALIFICATION OF BIDDERS

All bidders shall furnish satisfactory evidence that he and his subcontractors have sufficient means and experience in the type of work to complete the project in accordance with the bid specifications. A subcontractor listing and bidder's personnel and experience sheet shall be submitted to the Township as part of the bidding documents. Where the bidder intends to subcontract any portion of the project, the cost of which will exceed \$20,000.00, the subcontractor shall be pre-qualified to perform the work and the bidder shall submit the requisite documentation pertaining to the sub-contractor in accordance with Paragraphs A and B above. The Township may make such additional investigations as it deems necessary to determine the ability, competence and financial responsibility of the bidder to perform the work. The bidder shall furnish the Township with the information and data for this purpose upon request. The Township reserves the right to reject any bid if the information fails to establish to the Township's satisfaction that the bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated here.

38. PREVAILING WAGES: CONSTRUCTION, ALTERATIONS, REPAIRS

The State of New Jersey Prevailing Wage Act, Chapter 150 Laws of 1963 with applicable statewide wage Department of Labor and Workforce Development in conformance with N.J.S.A. 34:11-56.25 et seq., may be included in these bid contract documents. Copies of these wage rates may be obtained from the State Department of Labor and Workforce Development, and/or viewed at <http://lwd.dol.state.nj.us/> the Prevailing Wages Determination Section.

Compliance with New Jersey Prevailing Wage Act

Every contractor and subcontractor performing services in connection with this project, shall pay all workers a wage rate not less than the published prevailing wage rates, for the locality the work is being performed, as designated by the New Jersey Department of Labor and Workforce Development.

Certified Payrolls

Every contractor agrees to submit to The Township of Piscataway a certified payroll for each payroll period within ten (10) days of the payment of wages. The contractor further agrees that no payments will be made to the Contractor by the Township, if certified payrolls are not received by the Township. It is the Contractor's responsibility to insure timely receipt by the district of certified payrolls.

Submission of Affidavit

Before final payment, the contractor shall furnish The Township of Piscataway with an affidavit stating that all workers have been paid the prevailing rate of wages in accordance with State of New Jersey requirements. The contractor shall keep an accurate record showing the name, craft, or trade and actual hourly rate of wages paid to each workman employed by him in connection with this work. Upon request, the Contractor(s) and each Subcontractor shall file written statements certifying to the amounts then due and owing to any and all workmen for wages due on account of the work. The statements shall be verified by the oaths of the Contractor or Subcontractor, as the case may be.

Posting of Prevailing Wages

The contractor and subcontractor shall post the prevailing wage rates for each craft and classification involved in the work, including the effective date of any changes thereof, in prominent and easily accessible places at the Site of the work and in such place or places as used to pay workmen their wages. N.J.S.A. 34:11-56.32.

PREVAILING WAGE ACT.

Pursuant to N.J.S.A. 34:11-56.25 et seq., the Contractors on projects for public work shall adhere to all requirements of the New Jersey Prevailing Wage Act. The contractor shall be required to submit a certified payroll record to the Township within ten (10) days of the payment of the wages. In the event it is found that any worker, employed by the Contractor or any subcontractor has been paid a rate of wages less than the prevailing wage required to be paid, the Township may terminate the Contractor's or subcontractor's right to proceed with the work, or such part of the work as to which there has been a failure to pay required wages and the contractor and subcontractor then be required to continue the work to completion or otherwise.

The Contractor is also responsible for obtaining and submitting all subcontractors' certified payroll records within the aforementioned time period. The Contractor shall submit said certified payrolls in the form set forth in N.J.A.C. 12:60-6.1(c). It is the Contractor's responsibility to obtain any additional copies of the certified payroll form to be submitted by contacting the New Jersey Department of Labor and Workforce Development, Division of Workplace Standards.

Additional information is available at http://lwd.dol.state.nj.us/labor/wagehour/wagerate/pwr_construction.html

Prevailing Wages Certification—Submission with Bid

The bidder shall submit a Prevailing Wages Certification with its bid package.

Non-compliance Statement

If it is found that any worker, employed by the contractor or any subcontractor covered by said contract, has been paid a rate of wages less than the prevailing wage required to be paid by such contract, the Township, may begin proceedings to terminate the contractor's or subcontractor's right to proceed with the work, or such part of the work as to which there has been a failure to pay required wages and to prosecute the work to completion or otherwise. The contractor and his sureties shall be liable for any excess costs occasioned thereby to the public body.

39. QUALIFICATION OF BIDDERS - Contractor Questionnaire Certification Form

The Township of Piscataway may make such investigations as it seems necessary to determine the ability of the bidder to perform the terms of the contract. The bidder shall complete a Contractor Questionnaire Certification Form and return same with the bid and shall furnish all information to the Township as the Township may require to determine the contractor's ability to perform the duties and obligations as outlined in these specifications.

All bidders are reminded that bids may be rejected as not being responsive pursuant to N.J.S.A. 40:11-1 et seq., and therefore bidders are asked to complete the Questionnaire and to provide any supporting documentation with the bid package.

40. RESIDENT CITIZENS; PREFERRED IN EMPLOYMENT ON PUBLIC WORKS CONTRACTS

All bidders are to familiarize themselves with N.J.S.A. 34:9-2, which requires the contractor of any public work project to give preference in employment on the project, to citizens of the state of New Jersey. If the terms and conditions of N.J.S.A. 34:9-2 are not complied with, the contract shall be voidable. The Township is obligated to file with the Commissioner of Labor, the names and addresses of all contractors holding contracts with this project.

41. RENEWAL OF CONTRACT; AVAILABILITY AND APPROPRIATION OF FUNDS

The Township of Piscataway may, at its discretion, request that a contract that is subject to renewal, be renewed in full accordance with N.J.S.A. 40:11-1 et seq., The Purchasing Agent may negotiate terms for a renewal of contract proposal and present such negotiated proposal to the Township. The Township of Piscataway is the final authority in awarding renewals of contracts. All multi-year contracts and renewals are subject to the availability and appropriation annually of sufficient funds as may be needed to meet the extended obligation.

42. RIGHT TO KNOW LAW

All potentially hazardous materials or substances must be properly labeled in full accordance with the New Jersey Right to Know Law - N.J.S.A. 34:5A-1 et seq. All contractors or vendors who need additional information about the New Jersey Right to Know Law are to contact the:

New Jersey Department of Health and Senior Services
Right to Know Program
CN 368
Trenton, New Jersey 08625-0368
www.nj.gov/health/workplacehealthandsafety/right-to-know/

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW ACT

The manufacturer or supplier of chemical substances or mixtures shall label them in accordance with the N.J. Worker and Community Right to Know Law (N.J.S.A. 34:5A-1 et seq., and N.J.A.C 8:59-2 et seq.,). All direct use containers shall bear a label indicating the chemical name(s) and Chemical Abstracts Service number(s) of all hazardous substances in the container, and all other substances which are among the five most predominant substances in the container, or their trade secret registry number(s) pursuant to N.J.A.C. 8:59-5. "Container" means a receptacle used to hold a liquid, solid or gaseous substance such as bottles, bags, barrels, cans, cylinders, drums and cartons. (N.J.A.C. 8:59-1.3). Further, all applicable Material Safety Data Sheets (MSDS) - hazardous substance fact sheet - must be furnished. All containers which are stored at owner facilities by subcontractors shall display RTK labeling. Vendors with questions concerning labeling should contact the New Jersey Department of Health and Senior Services Right to Know Program for assistance in developing proper labels.

43. STATEMENT OF OWNERSHIP (N.J.S.A. 52:25-24.2)

Statement of Ownership

No business organization, regardless of form of ownership, shall be awarded any contract for the performance of any work or the furnishing of any goods and services, unless, prior to the receipt of the bid or accompanying the bid of said business organization, bidders shall submit a statement setting forth the names and addresses of all persons and entities that own ten percent or more of its stock or interest of any type at all levels of ownership.

The included Statement of Ownership shall be completed and attached to the bid proposal. This requirement applies to all forms of business organizations, including, but not limited to, corporations and partnerships, publicly-owned corporations, limited partnerships, limited liability corporations, limited liability partnerships, sole proprietorship, and Subchapter S corporations. **Failure to submit a disclosure document shall result in rejection of the bid as it cannot be remedied after bids have been opened.**

Not-for-profit entities should fill in their name, check the not-for-profit box, and certify the form. No other information is required.

44. SUBCONTRACTING: Subcontractor Disclosure Statement

Pursuant to N.J.S.A. 40A:11-1 et seq., any bidder who bids for the overall contract and who will subcontract the following work:

- Plumbing and gas fitting work;
- Refrigeration, heating and ventilating systems and equipment;
- Electrical work, tele-data, fire alarm or security systems; and
- Structural steel and ornamental iron work;

Documents to be Submitted: All Subcontractors

The prime contractor (bidders) who will be using a subcontractor on any part of this bid, shall identify the subcontractor(s) on the appropriate form and submit with the bid package the following subcontractor documents at the time indicated in the box below:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
Estimated Value of Contract – Subcontractor	For Subcontractors in the four major branches listed above: <i><u>Submit with Bid</u></i>	For all other Subcontractors: <i><u>Submit Within ten (10 Days of Receipt of Notice of Award</u></i>
\$2,000 through \$5,999	Contractor’s Registration Certificate	
\$6,000 through \$17,499	Contractor’s Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor’s Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor’s Registration Certificate New Jersey Business Registration Certificate	

Failure to identify in the Subcontractor’s Disclosure Statement the names and addresses of any or all subcontractors required to be named in the bid, or to submit with the bid the appropriate documents for each such subcontractor, may be cause for the bid to be rejected as being non-responsive.

Contractors are reminded that the subcontractors listed on the forms provided by the township may not be changed later, except in the case of failure in performance or other contract breach where a change is needed to protect the township.

******If Subcontractor is not applicable please write in N/A and SIGN bottom of PAGE.**

45. SUBCONTRACTING: PROHIBITIONS: HOLD HARMLESS

Prime contractors, with whom The Township of Piscataway have an executed contract, may not subcontract any part of any work done for the Township without first receiving written approval from the Township. Contractors seeking to use subcontractors must first complete the Request to Sub Contract Form as provided by the Building Services Department.

Subcontractors Prohibited to Sub Contract

It is the responsibility of the prime contractor to ensure that no subcontractor who has received written permission to do work for The Township, subcontracts any of its/their work without first receiving written approval from the prime contractor **and** the Division of Engineering or his designee.

The prime contractor assumes all responsibility for work performed by subcontractors. The prime contractor must also provide to the Township Purchasing Office the following documents secured from all approved subcontractors:

- Insurance Certificate as outlined in the bid specifications;
- Affirmative Action Evidence as outlined in the bid specifications;
- Written certification that the subcontractor shall adhere to prevailing wages as provided through New Jersey State Law;
- Evidence of Performance Security;
- Documents listed in the Subcontractor Document Submissions list.

In cases of subcontracting, The Township of Piscataway shall only pay the prime contractor. It is the sole responsibility of the prime contractor to ensure that all subcontractors are paid. The Township of Piscataway shall not be responsible for payments to subcontractors and shall be held harmless against any or all claims generated against prime contractors for non-payment to subcontractors.

Penalties – Unauthorized Subcontractors

The Township of Piscataway shall deduct the amount of \$1,000.00 (one thousand dollars) per day as a penalty, for each day a prime contractor uses a subcontractor without first receiving **written** permission from the Building Services Department.

46. TAXES; Contractor’s Use of Township’s Tax Identification Number—Prohibited

As a New Jersey governmental entity, The Township of Piscataway is exempt from the requirements under New Jersey state sales and use tax (N.J.S.A. 54:32B-1 et seq.), and does not pay any sales or use taxes. Bidders should note that they are expected to comply with the provisions of said statute and the rules and regulations promulgated thereto to qualify them for examinations and reference to any and all labor, services, materials and supplies furnished to the Township. Contractors may not use the Township’s tax identification number to purchase supplies, materials, service or equipment, for this project.

A contractor may qualify for a New Jersey Sales Tax Exemption on the purchase of materials, supplies and services when these purchases are used exclusively to fulfill the terms and conditions of the contract with the Township. All contractors are referred to New Jersey Division of Taxation–Tax Bulletin S&U-3 and in particular, Contractor’s Exempt Purchase Certificate (Form ST-13). Again, contractors are not permitted to use the Township’s tax identification number to purchase supplies, materials, services of equipment. Sample of the ST-13 in the Bid documents.

(ST-13-FORM)--Once Contract is awarded ST-13 FORM will be attached in the Contract for the Contractor use.

W-9- Required-Sample in the bid. May be submitted with the bid for faster process.

47. TERMINATION OF CONTRACT

If the Township determines that the contractor has failed to comply with the terms and conditions of the bid and/or proposal upon which the issuance of the contract is based or that the contractor has failed to perform said service, duties and or responsibilities in a timely, proper, professional and/or efficient manner, then the Township shall have the authority to terminate the contract upon written notice setting forth the reason for termination and effective date of termination.

Termination by the Township of the contract does not absolve the contractor from potential liability for damages caused the District by the contractor’s breach of this agreement. The Township may withhold payment due the contractor and apply same towards damages once established. The Township will act diligently in accordance with governing statutes to mitigate damages. Damages may include the additional cost of procuring said services or goods from other sources.

The contractor further agrees to indemnify and hold the District harmless from any liability to subcontractors or suppliers concerning work performed or goods provided arising out of the lawful termination of this agreement.

TERM/COMPLETION OF THE PROJECT: As per specifications/Proposal pages.

48. WITHDRAWAL OF BIDS

Before the Bid Opening

The Purchasing Agent may consider a written request from a bidder to withdraw a bid if the written request is received by the Purchasing Agent before the advertised time of the bid opening. Any bidder who has been granted permission by the Purchasing Agent to have his/her bid withdrawn cannot re-submit a bid for the same advertised bid project. That bidder shall also be disqualified from future bidding on the same project if the project is re-bid.

After the Bid Opening

The Township of Piscataway may consider a written request from a bidder to withdraw a bid, if the written request is received by the Purchasing Agent within five (5) business days after the bid opening. A request to withdraw a bid after the specified number of days will not be honored.

The contractor/vendor who wishes to withdraw a bid must provide a certification supported by written factual evidence that an error or omission was made by the contractor and that the error or omission was a substantial computational error or an unintentional omission or both.

The request to withdraw a bid after the bid opening may be reviewed by the Purchasing Agent, the Division of Engineering, other interested administrators; and Joseph Herrera, CFM of Record for the project (if necessary) and/or the Township Attorney and a recommendation will be made to the Township. If the Township of Piscataway grants permission to have the bid withdrawn the contractor/vendor shall be disqualified from bidding on the same project if the project is re-bid. If the contractor/vendor fails to meet the burden of proof to have the bid withdrawn the request to withdraw the bid will be denied and if the contractor/vendor fails to execute the contract the bid guarantee will be forfeited and become property of the Township.

TERM/COMPLETION OF THE PROJECT: As per specifications/Proposal pages.

49. WORK HOURS / INSPECTION

The contractor shall work only during the normal work hours of the Township unless authorized by the Township Engineer/ DPW to do otherwise. Overtime shall be considered those hours before 8:30 A.M and after 4:30 P.M. Monday thru Friday. In addition, Saturday, Sunday and all Township holidays will be considered overtime. The Contractor will be responsible to pay all overtime worked by the Township Inspector or Representative. There shall be an inspector on the job site at all times when the contractor is working.

Supplemental Specifications

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

AWARD OF CONTRACT

The Township of Piscataway intends to award the contract for the project as follows:

EXPERIENCE

The Township of Piscataway requires evidence from all bidders that they have completed work or projects of a similar nature as outlined in the bid package. Bidders are to provide evidence of satisfactory completion of work of similar nature as outlined in the bid from other governmental bodies _____ (_____) for at least (5) years. As per Specifications.

NUMBER OF WORKING DAYS; TIME OF COMPLETION

The contractor agrees to substantially complete this Construction Project to the satisfaction of The Township of Piscataway within (as per spec's) working days from the receipt of the official Notice to Proceed and purchase order. The Township has defined a working day as a calendar day. As per Specifications.

The number of working days set by the Township may be extended by mutual agreement between the contractor and the district. The mutual agreement shall be in writing and will be considered an addendum to the contract.

PRE-BID MEETING

A pre-bid meeting for this project is scheduled for (Site Visit Not Mandatory)

N/A

Month / Day / Year

10:00 am

The Township of Piscataway

The purpose of this meeting is to review the legal and technical requirements of the bid proposal. While attendance is not mandatory, prospective bidders are strongly encouraged to attend this important meeting. Addenda to this bid proposal may be issued as a result of the pre-bid meeting.

TRADE CLASSIFICATION(S) (Optional)

A. Bidder:

For the purpose of this Construction Project bid, each bidder shall be classified by the State of New Jersey—Division of Property Management and Construction in the following trade(s):

Classification Code _____ (List Code #)	Classification Trade Name _____ (List name of trade)
--	---

Proof of classification shall be submitted with the bid package in the form of a current Notice of Classification as issued by the New Jersey Division of Property Management and Construction.

B. Subcontractor:

For the purpose of this Construction Project bid, each bidder shall use a subcontractor that is properly classified by the State of New Jersey—Division of Property Management and Construction in the following trade(s):

Classification Code _____ (List Code #)	Classification Trade Name _____ (List name of trade)
--	---

Proof of classification, in the form of a current Notice of Classification form, for each Sub-Contractor, shall be submitted by the bidder with the bid package for any estimated subcontractor work exceeding \$20,000.00.

THE TOWNSHIP OF PISCATAWAY

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS



BID DOCUMENTS AND REQUIRED DOCUMENTATION

All documents in this section shall be completed, signed and submitted with the bid package – Failure to submit the bid documents and other documents so specified may be cause to reject the bid for being non-responsive.



MARIA E.VALENTE-CAEMMERER

Purchasing Agent/Township Secretary

Pages 59-94-

To be completed, signed and returned with Bid

ACKNOWLEDGEMENT OF ADDENDUM

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

The bidder acknowledges receipt of the hereinafter enumerated Addenda which have been issued during period of bidding and agrees that said Addenda shall become a part of this contract. The bidder shall list below the numbers and issuing dates of the Addenda.

<u>ADDENDA NO.</u>	<u>ISSUING DATES</u>
_____	_____
_____	_____
_____	_____
_____	_____

No Addenda Received

Name of Company _____

Address _____ P.O. Box _____

City, State, Zip Code _____

Name of Authorized Representative _____

Signature _____ **Date** _____

The Township of Piscataway

CONTRACTOR QUESTIONNAIRE/CERTIFICATION

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

Name of Company _____

Street Address _____ P.O. Box _____

City, State, Zip _____

Business Phone Number () _____ Extension _____

Emergency Phone Number () _____

FAX NO. () _____ E-Mail _____

FEIN No. _____

Questionnaire

1. How many years have you been engaged in the contracting business under your present firm or trading name?
_____ Years

2. Have you ever failed to complete any work awarded to your company?
 Yes No

If yes, explain _____

3. Have you ever defaulted on a contract?
 Yes No

If yes, explain _____

4. Have you or other principals of your company been debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from participation in any public works projects by any federal, state, or local agencies, including any "**prior negative experience**" disqualification pursuant to N.J.S.A. 40A:11-1 et seq.,?
 Yes No

If yes, explain _____

(Form continued on next page)

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

Name of Company

Experience – Educational Facilities:

The Township of Piscataway requires evidence from all bidders that they have completed work or projects of a similar nature as outlined in the bid package. Bidders are to provide evidence of satisfactory completion of work of similar nature as outlined in the bid from _____ (____) Townships in New Jersey within the past _____ (5) years. Bidders are to complete the section on experience and provide supporting documentation with the bid package. **As Per Specifications.**

A. Title of Work/Project: _____
Name of Township: _____
Name of Town Official: _____ Title _____
Phone Number _____ E-Mail _____
Date(s) of Project: _____

B. Title of Work/Project: _____
Name of Township: _____
Name of Town Official: _____ Title _____
Phone Number _____ E-Mail _____
Date(s) of Project: _____

C. Title of Work/Project: _____
Name of Township: _____
Name of Town Official: _____ Title _____
Phone Number _____ E-Mail _____
Date(s) of Project: _____

References

Architects--List names of architects that you have worked with on projects within the last five (5) years.

	<u>Firm</u>	<u>Principal</u>	<u>Phone Number</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

(Form continued on next page)

Contractor Questionnaire/Certification--page 3

Return With Bid

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

Name of Company

Bank--List name of principal bank with which your company does business.

Bank

Officer

Phone Number

Trade--List names of companies within your trade with which your company does business:

Firm

Principal

Phone Number

1. _____

2. _____

3. _____

(Form continued on next page)

To be completed, signed and returned with Bid

Contractor Questionnaire/Certification--page 4

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

Name of Company

Certifications

• **Debarment**

I certify that the entity listed on the form or any person employed by this entity, are not presently on the following:

- New Jersey Department of Treasury – Consolidated Debarment Report
- NJ Department of Labor and Workforce Development– Prevailing Wage Debarment List
- Federal Debarred Vendor List—System for Award Management (SAM.gov)

• **Direct/Indirect Interests**

I declare and certify that no member of the Township of Piscataway, nor any officer or employee or person whose salary is payable in whole or in part by said the Township or their immediate family members are directly or indirectly interested in this bid or in the supplies, materials, equipment, work or services to which it relates, or in any portion of profits thereof. If a situation so exists where a Township member, employee, officer of the Township has an interest in the bid, etc., then please attach a letter of explanation to this document, duly signed by the president of the firm or company.

• **Gifts; Gratuities; Compensation**

I declare and certify that no person from my firm, business, corporation, association or partnership offered or paid any fee, commission or compensation, or offered any gift, gratuity or other thing of value to any Township official, Township member or employee of the Township.

• **Vendor Contributions**

I declare and certify that I fully understand N.J.A.C. 6A:23A-6.3 (a) (1-4) concerning vendor contributions to Township members.

• **False Material Representation/Truth in Contracting**

I further certify that I understand that it is a crime in the second degree in New Jersey to knowingly make a material representation that is false in connection with the negotiation, award or performance of a government contract. I further acknowledge my understanding of the New Jersey Truth in Contracting Laws.

President or Authorized Agent

Signature

CONTRACTOR REGISTRATION CERTIFICATION

Division of Engineering

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

It is the determination of The Township of Piscataway that this is a public works project which contract amount in total will exceed \$2,000.00 (two thousand dollars), therefore, pursuant to the Construction Project Contractor Registration Act -- N.J.S.A. 34:11-56.48 et seq., contractors are to be aware of the following:

No contractor shall bid on any contract for Construction project as defined in section 2 of P.L.1963, c. 150 (C.34:11-56.26) unless the contractor is registered pursuant to this act. No contractor shall list a subcontractor in a bid proposal for the contract unless the subcontractor is registered pursuant to P.L.1999, c.238 (C.34:11-56.48 et seq.) at the time the bid is made. No contractor or subcontractor, including a subcontractor not listed in the bid proposal, shall engage in the performance of any public work subject to the contract, unless the contractor or subcontractor is registered pursuant to that act.

I certify that our company understands that the project of The Township of Piscataway requires that all Contractors and Subcontractors listed in this proposal possess a valid Contractor Registration Certificate at the time the proposal is received by the Township and furthermore certify that I will provide copies of the valid certificates prior to the award of contract.

Name of Company_____

Authorized Agent_____ Title_____

Authorized Signature_____

EQUIPMENT CERTIFICATION

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No: 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

In accordance with 40A:11-1 et seq., I hereby certify that

A) _____ (*Name of Company*) owns all the necessary equipment as required by the specifications and to complete the specified Construction project.

or

B) _____ (*Name of Company*) leases or controls all the necessary equipment as required by the specifications and to complete the specified Construction project.

PLEASE NOTE: If your company is not the actual owner of the equipment, **you shall Submit with the bid**

1. A certificate stating the source from which the equipment will be obtained and
2. Obtain and submit with the bid a certificate from the owner and person in control of the equipment, definitely granting to the bidder the control of the equipment required during such time it may be necessary for the completion of that portion of the contract for which said equipment will be necessary.

Name of Company _____

Authorized Agent _____ Title _____

Authorized Signature _____

To be completed, signed and returned with Bid

Bid No. 2021-11-34

STATE OF NEW JERSEY -- DIVISION OF PURCHASE AND PROPERTY DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN

Quote Number:

Bidder/Offeror:

PART 1: CERTIFICATION

BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX.

FAILURE TO CHECK ONE OF THE BOXES WILL RENDER THE PROPOSAL NON-RESPONSIVE.

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division's website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Bidders **must** review this list prior to completing the below certification. **Failure to complete the certification will render a bidder's proposal non-responsive.** If the Director finds a person or entity to be in violation of law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party

PLEASE CHECK THE APPROPRIATE BOX:

I certify, pursuant to Public Law 2012, c. 25, that neither the bidder listed above nor any of the bidder's parents, subsidiaries, or affiliates is listed on the N.J. Department of the Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). I further certify that I am the person listed above, or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. **I will skip Part 2 and sign and complete the Certification below.**

OR

I am unable to certify as above because the bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

EACH BOX WILL PROMPT YOU TO PROVIDE INFORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, CLICK THE "ADD AN ADDITIONAL ACTIVITIES ENTRY" BUTTON.

Name	<input type="text"/>	Relationship to Bidder/Offeror	<input type="text"/>
Description of Activities	<input type="text"/>		
Duration of Engagement	<input type="text"/>	Anticipated Cessation Date	<input type="text"/>
Bidder/Offeror Contact Name	<input type="text"/>	Contact Phone Number	<input type="text"/>

ADD AN ADDITIONAL ACTIVITIES ENTRY

Certification: I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder; that the State of New Jersey is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):

Signature:

Do Not Enter PIN as a Signature

Title:

Date:

NON-COLLUSION AFFIDAVIT

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Re: Bid Proposal for the Township of Piscataway.

Bid No. 2021-11-34

STATE OF _____

Bid Date: THURSDAY, NOVEMBER 18, 2021

_____ :SS:

COUNTY OF _____

I, _____ of the City of _____

in the County of _____ and the State of _____

of full age, being duly sworn according to law on my oath depose and say that:

I am _____ (Position in Company)

of the firm of _____ and the bidder making the Proposal for the above names contract, and that I executed the said Proposal with full authority so to do; that I have not, directly or indirectly, entered into any agreement, participated in any collusion, discussed any or all parts of this proposal with any potential bidder, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named bid, and that all statements contained in said Proposal and in this affidavit are true and correct, and made with full knowledge that the Township of Piscataway relies upon the truth of the statements contained in said Proposal and in the statements contained in this affidavit in awarding the contract for the said bid.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees of bona fide established commercial or selling agencies maintained by

(Print Name of Contractor)

(SIGNATURE OF CONTRACTOR)

PREVAILING WAGES CERTIFICATION

Bid No. 2021-11-34

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

It is the determination of the Township of Piscataway that this is a public works project that in total will exceed \$2,000.00 (two thousand dollars), therefore prevailing wages rules and regulations apply as promulgated by the New Jersey Prevailing Wage Act and in conformance with N.J.S.A. 34:11-56:25 et seq.

Certification

1. I certify that our company understands that this project of the Township of Piscataway requires prevailing wages to be paid in full accordance with the law.
2. I further certify that all subcontractors named in this bid understand that this project requires the subcontractor to pay prevailing wages in full accordance with the law.

Non-compliance Statement

If it is found that any worker, employed by the contractor or any subcontractor covered by said contract, has been paid a rate of wages less than the prevailing wage required to be paid by such contract, The Township, may begin proceedings to terminate the contractor's or subcontractor's right to proceed with the work, or such part of the work as to which there has been a failure to pay required wages and to prosecute the work to completion or otherwise. The contractor and his sureties shall be liable for any excess costs occasioned thereby to the public body.

NOTIFICATION OF VIOLATIONS – New Jersey Department of Labor and Workforce Development

Has the bidder or any person having an “interest” with the bidder, been notified by the New Jersey Department of Labor and Workforce Development by notice issued pursuant to N.J.S.A. 34:11-56:37 that he/she has been in violation for failure to pay prevailing wages as required by the New Jersey Prevailing Wage Act within the last five (5) years?

* Yes _____

No _____

*If yes, please attach a signed document explaining any/or all administrative proceedings with the Department within the last five (5) years. Please include any pending administrative proceedings with the Department if any.

Submission of Certified Payroll Records

All certified payroll records are to be submitted to the person named below who is coordinating the activities for the project:

JOSEPH HERRERA, CFM DIVISION OF ENGINEERING
The Township of Piscataway

Name of Company _____

Authorized Agent _____

Authorized Signature _____

To be completed, signed and returned with Bid/Proposal

Bid No. 2021-11-34 STATEMENT OF OWNERSHIP DISCLOSURE
N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.

Name of Organization: _____

Organization Address: _____

City, State, ZIP: _____

Part I Check the box that represents the type of business organization:

- Sole Proprietorship (skip Parts II and III, execute certification in Part IV)
- Non-Profit Corporation (skip Parts II and III, execute certification in Part IV)
- For-Profit Corporation (any type) Limited Liability Company (LLC)
- Partnership Limited Partnership Limited Liability Partnership (LLP)
- Other (be specific): _____

Part II Check the appropriate box

The list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. **(COMPLETE THE LIST BELOW IN THIS SECTION)**

OR

No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. **(SKIP TO PART IV)**

(Please attach additional sheets if more space is needed):

Name of Individual or Business Entity	Home Address (for Individuals) or Business Address

Part III DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. **Attach additional sheets if more space is needed.**

Website (URL) containing the last annual SEC (or foreign equivalent) filing	Page #'s

Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II **other than for any publicly traded parent entities referenced above.** The disclosure shall be continued until names and addresses of every non-corporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. **Attach additional sheets if more space is needed.**

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Home Address (for Individuals) or Business Address

Part IV Certification

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that **The Township of Piscataway** is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with **The Township of Piscataway** to notify **The Township of Piscataway** in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting **The Township of Piscataway** to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):		Title:	
Signature:		Date:	

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.

To be completed, signed and returned with Bid

SUBCONTRACTOR'S DISCLOSURE FORM

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No: 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

The _____ *(Name of Bidding Company)*

Please Check One! _____ will sub-contract a portion of this project.
 _____ will not sub-contract any portion of this project.

Authorized Agent _____ **Title** _____

Signature of Bidder _____ **Date** _____

If the bidder is not going to subcontract any portion of this project, the bidder need not complete any further part of this document.

If the bidder will subcontract any of the following:

- Plumbing/gas fitting work;
- Refrigeration/heating/ventilating systems & equipment
- Electrical work, tele-data, fire alarm or security systems
- Structural steel/ornamental iron work

the bidder must do the following:

- Identify the contract number and type of work he intends to subcontract;
- Provide the name, address and other pertinent information about the subcontractor;*
- If the cost of the work by the subcontractor shall exceed the amounts listed below, the bidder shall provide in the bid package submission the following documents:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
<i><u>Estimated Value of Contract – Subcontractor</u></i>	<i>For Subcontractors in the four major branches listed above</i>	<i>For all other Subcontractors</i>
	<u>Submit With Bid</u>	<u>Submit Within ten (10 Days of Receipt of Notice of Award</u>
\$2,000 through \$5,999	Contractor's Registration Certificate	
\$6,000 through \$17,499	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor's Registration Certificate New Jersey Business Registration Certificate	

Please list subcontractor(s) on the following pages. Bidders may make extra copies of the following pages.

** Failure to identify the names and addresses of any subcontractors required to be named in the bid, or to submit the appropriate documents for each such subcontractor, may be cause for the bid to be rejected as being non-responsive.*

(Form continued on next page)

Subcontractor's Disclosure Statement (Continued)

Return With Bid

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

1. Sub-Contractor for PLUMBING AND GAS FITTING WORK

Name of Subcontracting Company _____

Address _____

City, State, Zip _____

Telephone _____ Fax _____

E-Mail _____ FEIN No: _____

Authorized Agent _____ Title _____

Will the cost of sub-contract exceed \$20,000.00?

_____ Yes Estimated Value of Contract \$ _____

_____ No Estimated Value of Contract \$ _____

If checked **yes**, the sub-contractor must be pre-qualified to perform the work. The bidder must provide in the bid package the following:

- The subcontractor's Notice of Classification;
- The subcontractor's Total Amount of Uncompleted Contracts; and
- Other documents that are required:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
<i><u>Estimated Value of Contract – Subcontractor</u></i>	<i>For Subcontractors in the four major branches listed above</i>	<i>For all other Subcontractors</i>
	<u>Submit With Bid</u>	<u>Submit Within ten (10 Days of Receipt of Notice of Award</u>
\$2,000 through \$5,999	Contractor's Registration Certificate	
\$6,000 through \$17,499	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor's Registration Certificate New Jersey Business Registration Certificate	

Certification of Equipment

The _____ hereby certifies the above named
Name of Bidding Company
subcontractor has the personnel, equipment, experience, financial and sufficient means to complete their portion of the contract in full accordance with the bid specifications.

Authorized Agent (Print) -- Bidder

Signature of Authorized Agent—Bidder
(Form continued on next page)

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

2. Sub-Contractor for REFRIGERATION, HEATING & VENTILATING SYSTEMS AND EQUIPMENT

Name of Subcontracting Company _____

Address _____

City, State, Zip _____

Telephone _____ Fax _____

E-Mail _____ FEIN No: _____

Authorized Agent _____ Title _____

Will the cost of sub-contract exceed \$20,000.00?

_____ Yes Estimated Value of Contract \$ _____

_____ No Estimated Value of Contract \$ _____

If checked **yes**, the sub-contractor must be pre-qualified to perform the work. The bidder must provide in the bid package the following:

- The subcontractor's Notice of Classification;
- The subcontractor's Total Amount of Uncompleted Contracts; and
- Other documents that are required:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
<i><u>Estimated Value of Contract – Subcontractor</u></i>	<i>For Subcontractors in the four major branches listed above</i>	<i>For all other Subcontractors</i>
	<u>Submit With Bid</u>	<u>Submit Within ten (10 Days of Receipt of Notice of Award</u>
\$2,000 through \$5,999	Contractor's Registration Certificate	
\$6,000 through \$17,499	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor's Registration Certificate New Jersey Business Registration Certificate	

Certification of Equipment

The _____ hereby certifies the above named
Name of Bidding Company
subcontractor has the personnel, equipment, experience, financial and sufficient means to complete their portion of the contract in full accordance with the bid specifications.

Authorized Agent (Print) -- Bidder

Signature of Authorized Agent—Bidder
(form continued on next page)

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

3. Sub-Contractor for ELECTRICAL WORK; TELE-DATA, FIRE ALARM OR SECURITY SYSTEMS

Name of Subcontracting Company _____

Address _____

City, State, Zip _____

Telephone _____ Fax _____

E-Mail _____ FEIN No: _____

Authorized Agent _____ Title _____

Will the cost of sub-contract exceed \$20,000.00?

_____ Yes Estimated Value of Contract \$ _____

_____ No Estimated Value of Contract \$ _____

If checked **yes**, the sub-contractor must be pre-qualified to perform the work. The bidder must provide in the bid package the following:

- The subcontractor's Notice of Classification;
- The subcontractor's Total Amount of Uncompleted Contracts; and
- Other documents that are required:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
<i><u>Estimated Value of Contract – Subcontractor</u></i>	<i>For Subcontractors in the four major branches listed above</i>	<i>For all other Subcontractors</i>
	<u>Submit With Bid</u>	<u>Submit Within ten (10 Days of Receipt of Notice of Award</u>
\$2,000 through \$5,999	Contractor's Registration Certificate	
\$6,000 through \$17,499	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor's Registration Certificate New Jersey Business Registration Certificate	

Certification of Equipment

The _____ hereby certifies the above named
Name of Bidding Company
 subcontractor has the personnel, equipment, experience, financial and sufficient means to complete their portion of the contract in full accordance with the bid specifications.

Authorized Agent (Print) -- Bidder

Signature of Authorized Agent—Bidder

(form continued on next page)

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

4. Sub-Contractor for STRUCTURAL STEEL & IRON WORK

Name of Subcontracting Company _____

Address _____

City, State, Zip _____

Telephone _____ Fax _____

E-Mail _____ FEIN No: _____

Authorized Agent _____ Title _____

Will the cost of sub-contract exceed \$20,000.00?

_____ Yes Estimated Value of Contract \$ _____

_____ No Estimated Value of Contract \$ _____

If checked **yes**, the sub-contractor must be pre-qualified to perform the work. The bidder must provide in the bid package the following:

- The subcontractor's Notice of Classification;
- The subcontractor's Total Amount of Uncompleted Contracts; and
- Other documents that are required:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
<i><u>Estimated Value of Contract – Subcontractor</u></i>	<i>For Subcontractors in the four major branches listed above</i>	<i>For all other Subcontractors</i>
	<u>Submit With Bid</u>	<u>Submit Within ten (10 Days of Receipt of Notice of Award)</u>
\$2,000 through \$5,999	Contractor's Registration Certificate	
\$6,000 through \$17,499	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor's Registration Certificate New Jersey Business Registration Certificate	

Certification of Equipment

The _____ hereby certifies the above named
Name of Bidding Company

subcontractor has the personnel, equipment, experience, financial and sufficient means to complete their portion of the contract in full accordance with the bid specifications.

Authorized Agent (Print) -- Bidder

Signature of Authorized Agent—Bidder

(form continued on next page)

To be completed, signed and returned with Bid

(IF APPLICABLE)

Subcontractor's Disclosure Statement
Other Trades

2022-ROAD PROGRAM FOR CURBS, SIDEWALKS & ADA RAMPS

Bid No. 2021-11-34

Bid Date: THURSDAY, NOVEMBER 18, 2021

5. Name of Trade/Type of Work _____

Name of Subcontracting Company _____

Address _____

City, State, Zip _____

Telephone _____ Fax _____

E-Mail _____ FEIN No: _____

Authorized Agent _____ Title _____

Will the cost of sub-contract exceed \$20,000.00?

_____ Yes Estimated Value of Contract \$ _____

_____ No Estimated Value of Contract \$ _____

If checked **yes**, the sub-contractor must be pre-qualified to perform the work. The bidder must provide in the bid package the following:

- The subcontractor's Notice of Classification;
- The subcontractor's Total Amount of Uncompleted Contracts; and
- Other documents that are required:

<u>SUBCONTRACTOR DOCUMENT SUBMISSIONS</u>		
<i>Estimated Value of Contract – Subcontractor</i>	<i>For Subcontractors in the four major branches listed above</i>	<i>For all other Subcontractors</i>
	<u>Submit With Bid</u>	<u>Submit Within ten (10 Days of Receipt of Notice of Award</u>
\$2,000 through \$5,999	Contractor's Registration Certificate	
\$6,000 through \$17,499	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$17,500 through \$19,999	Contractor's Registration Certificate New Jersey Business Registration Certificate	
\$20,000 or more	Contractor's Registration Certificate New Jersey Business Registration Certificate	

Certification of Equipment

The _____ hereby certifies the above named
Name of Bidding Company

subcontractor has the personnel, equipment, experience, financial and sufficient means to complete their portion of the contract in full accordance with the bid specifications.

Authorized Agent (Print) -- Bidder

Signature of Authorized Agent—Bidder

Bid No. 2021-11-34

Sworn Contractor Certification; Qualifications and Credentials

Pursuant to N.J.S.A. 40A:11-1 et seq., a pre-qualified contractor seeking to bid Construction Projects, and any subcontractors, that are required to be named under N.J.S.A. 40A:11-1 et seq., shall, as a condition of bidding, submit this Sworn Contractor Certification regarding qualifications and credentials.

I, _____, the principal owner or officer of the company certify that the forging statements are true and our firm has the following qualifications and credentials:

1. A current, valid certificate of registration issued pursuant to "The Construction Project Contractor Registration Act," N.J.S.A. 34:11-56:48 et seq. A copy of which is submitted with its bid;
2. A current, valid Certificate of Authority (Business Registration) to perform work in New Jersey issued by the Department of Treasury, a copy of which is submitted with its bid;
3. A current valid contractor trade license required under applicable New Jersey Law for any specialty trade or specialty area in which the firm seeks to perform work, a copy of which is submitted with its bid;
4. During the term of The Township project, I as principal owner or officer of the company or corporation, as contractor, will have in place a suitable quality control and quality assurance program and an appropriate safety and health plan.

Name of Company _____

Print Name of Owner or Officer _____

Signature of Owner or Officer _____

**AMERICANS WITH DISABILITIES ACT OF 1990
Equal Opportunity for Individuals with Disability**

The contractor and The Township of Piscataway (hereafter "owner") do hereby agree that the provisions of Title 11 of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S121 01 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant there unto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the owner's grievance procedure, the contractor agrees to abide by any decision of the owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the owner, or if the owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim, If any action or administrative proceeding is brought against the owner or any of its agents, servants, and employees, the *owner shall* expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the owner or its representatives.

It is expressly agreed and understood that any approval by the owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the owner pursuant to this paragraph.

It is further agreed and understood that the owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

Name of Company _____

Authorized Agent _____

Title or Position _____

Signature _____

Date _____

EXHIBIT "B"
MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
N.J.S.A. 10:5-31 et seq. (P.L.1975, c.127)
N.J.A.C. 17:27-1.1 et seq.
CONSTRUCTION CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer, pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

When hiring or scheduling workers in each construction trade, the contractor or subcontractor agrees to make good faith efforts to employ minority and women workers in each construction trade consistent with the targeted employment goal prescribed by N.J.A.C. 17:27-7.2; provided, however, that the Dept. of LWD, Construction EEO Monitoring Program, may, in its discretion, exempt a contractor or subcontractor from compliance with the good faith procedures prescribed by the following provisions, A, B, and C, as long as the Dept. of LWD, Construction EEO Monitoring Program is satisfied that the contractor or subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Dept. of LWD, Construction EEO Monitoring Program, that its percentage of active "card carrying" members who are minority and women workers is equal to or greater than the targeted employment goal established in accordance with N.J.A.C. 17:27-7.2. The contractor or subcontractor agrees that a good faith effort shall include compliance with the following procedures:

- (A) If the contractor or subcontractor has a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor shall, within three business days of the contract award, seek assurances from the union that it will cooperate with the contractor or subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the rules promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as supplemented and amended from time to time and the Americans with Disabilities Act. If the contractor or subcontractor is unable to obtain said assurances from the construction trade union at least five business days prior to the commencement of construction work, the contractor or subcontractor agrees to afford equal employment opportunities minority and women workers directly, consistent with this chapter. If the contractor's or subcontractor's prior experience with a construction trade union, regardless of whether the union has provided said assurances, indicates a significant possibility that the trade union will not refer sufficient minority and women workers consistent with affording equal employment opportunities as specified in this chapter, the contractor or subcontractor agrees to be prepared to provide such opportunities to minority and women workers directly, consistent with this chapter, by complying with the hiring or scheduling procedures prescribed under (B) below; and the contractor or subcontractor further agrees to take said action immediately if it determines that the union is not referring minority and women workers consistent with the equal employment opportunity goals set forth in this chapter.
- (B) If good faith efforts to meet targeted employment goals have not or cannot be met for each construction trade by adhering to the procedures of (A) above, or if the contractor does not have a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor agrees to take the following actions:
- (1) To notify the public agency compliance officer, the Dept. of LWD, Construction EEO Monitoring Program, and minority and women referral organizations listed by the Division pursuant to N.J.A.C. 17:27-5.3, of its workforce needs, and request referral of minority and women workers;
 - (2) To notify any minority and women workers who have been listed with it as awaiting available vacancies;

(3) Prior to commencement of work, to request that the local construction trade union refer minority and women workers to fill job openings, provided the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade;

EXHIBIT B (Continued)

(4) To leave standing requests for additional referral to minority and women workers with the local construction trade union, provided the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, the State Training and Employment Service and other approved referral sources in the area;

(5) If it is necessary to lay off some of the workers in a given trade on the construction site, layoffs shall be conducted in compliance with the equal employment opportunity and nondiscrimination standards set forth in this regulation, as well as with applicable Federal and State court decisions;

(6) To adhere to the following procedure when minority and women workers apply or are referred to the contractor or subcontractor:

(i) The contractor or subcontractor shall interview the referred minority or women worker.

(ii) If said individuals have never previously received any document or certification signifying a level of qualification lower than that required in order to perform the work of the construction trade, the contractor or subcontractor shall in good faith determine the qualifications of such individuals. The contractor or subcontractor shall hire or schedule those individuals who satisfy appropriate qualification standards in conformity with the equal employment opportunity and non-discrimination principles set forth in this chapter. However, a contractor or subcontractor shall determine that the individual at least possesses the requisite skills, and experience recognized by a union, apprentice program or a referral agency, provided the referral agency is acceptable to the Dept. of LWD, Construction EEO Monitoring Program. If necessary, the contractor or subcontractor shall hire or schedule minority and women workers who qualify as trainees pursuant to these rules. All of the requirements, however, are limited by the provisions of (C) below.

(iii) The name of any interested women or minority individual shall be maintained on a waiting list, and shall be considered for employment as described in (i) above, whenever vacancies occur. At the request of the Dept. of LWD, Construction EEO Monitoring Program, the contractor or subcontractor shall provide evidence of its good faith efforts to employ women and minorities from the list to fill vacancies.

(iv) If, for any reason, said contractor or subcontractor determines that a minority individual or a woman is not qualified or if the individual qualifies as an advanced trainee or apprentice, the contractor or subcontractor shall inform the individual in writing of the reasons for the determination, maintain a copy of the determination in its files, and send a copy to the public agency compliance officer and to the Dept. of LWD, Construction EEO Monitoring Program.

(7) To keep a complete and accurate record of all requests made for the referral of workers in any trade covered by the contract, on forms made available by the Dept. of LWD, Construction EEO Monitoring Program and submitted promptly to the Dept. of LWD, Construction EEO Monitoring Program upon request.

(C) The contractor or subcontractor agrees that nothing contained in (B) above shall preclude the contractor or subcontractor from complying with the union hiring hall or apprenticeship policies in any applicable collective bargaining agreement or union hiring hall arrangement, and, where required by custom or agreement, it shall send journeymen and trainees to the union for referral, or to the apprenticeship program for admission, pursuant to such agreement or arrangement. However, where the practices of a union or apprenticeship program will result in the exclusion of minorities and women or the failure to refer minorities and women consistent with the targeted county employment goal, the contractor or subcontractor shall consider for employment persons referred pursuant to (B) above without regard to such agreement or arrangement; provided further, however, that the contractor or subcontractor shall not be required to employ women and minority advanced trainees and trainees in numbers which result in the employment of advanced trainees and trainees as a percentage of the total workforce for the construction trade, which percentage significantly exceeds the apprentice to journey worker ratio specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ratio established by practice in the area for said construction trade. Also, the contractor or subcontractor agrees that, in implementing the procedures of (B) above, it shall, where applicable, employ minority and women workers residing within the geographical jurisdiction of the union.

After notification of award, but prior to signing a construction contract, the contractor shall submit to the public agency compliance officer and the Dept. of LWD, Construction EEO Monitoring Program an initial project workforce report (Form AA-201) electronically provided to the public agency by the Dept. of LWD, Construction EEO Monitoring Program, through its website, for distribution to and completion by the contractor, in accordance with N.J.A.C. 17:27-7. The contractor also agrees to submit a copy of the Monthly Project Workforce Report once a month thereafter for the duration of this contract to the Dept. of LWD, Construction EEO Monitoring Program, and to the public agency compliance officer.

The contractor agrees to cooperate with the public agency in the payment of budgeted funds, as is necessary, for on-the-job and/or off-the job programs for outreach and training of minorities and women.

(D) The contractor and its subcontractors shall furnish such reports or other documents to the Dept. of LWD, Construction EEO Monitoring Program as may be requested by the Dept. of LWD, Construction EEO Monitoring Program from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Dept. of LWD, Construction EEO Monitoring Program for conducting a compliance investigation pursuant to N.J.A.C. 17:27-1.1 et seq.

(Revised: January, 2016)

EXHIBIT B (Continued)

DATED: _____

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____

COMPANY NAME: _____

ADDRESS: _____

Bid No. 2021-11-34

TOWNSHIP OF PISCATAWAY

TOWNSHIP FORMS THAT ARE REQUIRED TO BE COMPLETED AND RETURNED WITH BID WITH BID DOCUMENTS:

HOLD HARMLESS AGREEMENT

BIDDERS AFFADVIT

PLAN & EXPERIENCE

PISCATAWAY BID BOND FORM

CERTIFICATION LAST PAGE

Township of Piscataway

PISCATAWAY BID BOND FORM ATTACHED.

Appendix Section

(Piscataway Township Performance Payment Bond Form only -
Sample in bid)

A. Model Performance Bond Form - *Sample*

B. Surety Disclosure Statement and Certification – *Sample*

C. PISCATAWAY PERFORMANCE BOND FORM- SAMPLE

BID BOND

BOND NO. _____

KNOW ALL MEN BY THESE PRESENTS, That we, _____
as Principal, and _____, a corporation duly organized under the laws of the State of _____, as Surety, are held and firmly bound unto the Township of Piscataway as Obligee, in the sum of Ten Percent (10%) of the Total Bid, Not to Exceed Twenty Thousand Dollars (\$20,000.00) for the payment of which Principal and Surety Bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally.

WHEREAS, Principal has submitted a bid for _____,
the "Project."

NOW, THEREFORE, if the Obligee shall make any award according to the terms of said bid and the Principal shall enter into a contract with said Obligee in accordance with the terms of said bid and give bond for the faithful performance thereof within the time specified; or if no time is specified within thirty days after the date of said award; or if the Principal shall, in the case of failure so to do, shall pay to the Obligee the difference, not to exceed the amount of this Bond, between the amount specified in bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void: otherwise to remain in full force and effect.

Signed and sealed this ___ day of _____, 20__

Surety: _____

By: _____

Witness: _____

Principal: _____

By: _____

Witness: _____

HOLD HARMLESS AGREEMENT

“To the fullest extent permitted by law, _____
(Name of Contractor/Vendor/Facility User) agrees to defend, pay on behalf of, indemnify, and hold harmless the Township of Piscataway, its elected and appointed officials, its agents, employees and volunteers and others working on behalf of the Township of Piscataway, against any and all claims, demands, suits, or loss including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the Township of Piscataway, its elected and appointed officials, its agents, employees, volunteers or others working on behalf of the Township of Piscataway, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which arises out of or is in any way connected for associated with this contract”

By: _____
Contractor/Vendor/Facility User

Township Of Piscataway

(Authorized Signature)

(Printed Name of Above)

(Address)

(City, State, Zip)

(Phone)

BIDDER'S AFFIDAVIT

I, _____, being duly sworn, deposes that he/she

resides at _____

and that he/she is the _____ of _____
(Title) (Name of Bidder)

I am duly authorized to sign the bid and that bid is the true offer of the bidder, that the seal attached thereto is the seal of the bidder, and that each, every and all the declarations and statements contained in the bid and any and all affidavits, questionnaires and documents submitted pursuant to the proposal forbids are true to the best of my knowledge and belief.

(Affiant)

PLAN, EXPERIENCE AND EQUIPMENT QUESTIONNAIRE

Submitted to _____

)A Corporation

By _____)A Copartnership

)An Individual

Principal Office _____

The signatory of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

1) In what manner have you inspected the proposed work? (explain in detail)

2) Explain your plan or layout for performing the proposed work.

3) The work, if awarded to you, will have the personal supervision of whom?

4.1) How many years has your organization been in business under your present name?

4.2) Have you ever failed to complete any work awarded to you? Yes ____ No ____
(If yes, attach additional sheet with details and explanation.)

5) Do you intend to sublet any portion(s) of this work? Yes ____ No ____
If yes, state amount of sub-contract, and if known, the name and address of the sub-contractor, amount and type of his equipment and financial responsibility.

6.) What equipment do you own that is available for and intended to be used on the present project?

QUANTITY	ITEM	DESCRIPTION, SIZE, CAPACITY, ETC	CONDITION	YEARS OF SERVICE	PRESENT LOCATION

7.) What equipment do you intend to purchase or lease for use on the proposed work, should the contract be awarded to you?

QUANTITY	ITEM	DESCRIPTION, SIZE, CAPACITY, ETC	APPROXIMATE COST	
			PURCHASE	LEASE

8) Have you made contracts or received firm offers for all materials prices used in preparing your proposal ? Yes ____ No ____ **Do not** give names of dealers or manufacturers.

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT TO THE BEST OF MY KNOWLEDGE.

DATED: _____

(Signature)

(Name and Title)

(Company Name)

(Address)

(City, State, Zip Code)

Bid No. 2021-11-34

I have read this Bid in its entirety and hereby affirm that the Provider agrees to all terms and acknowledge as outlined in the instructions to bidders.

DATED: _____

(Signature)

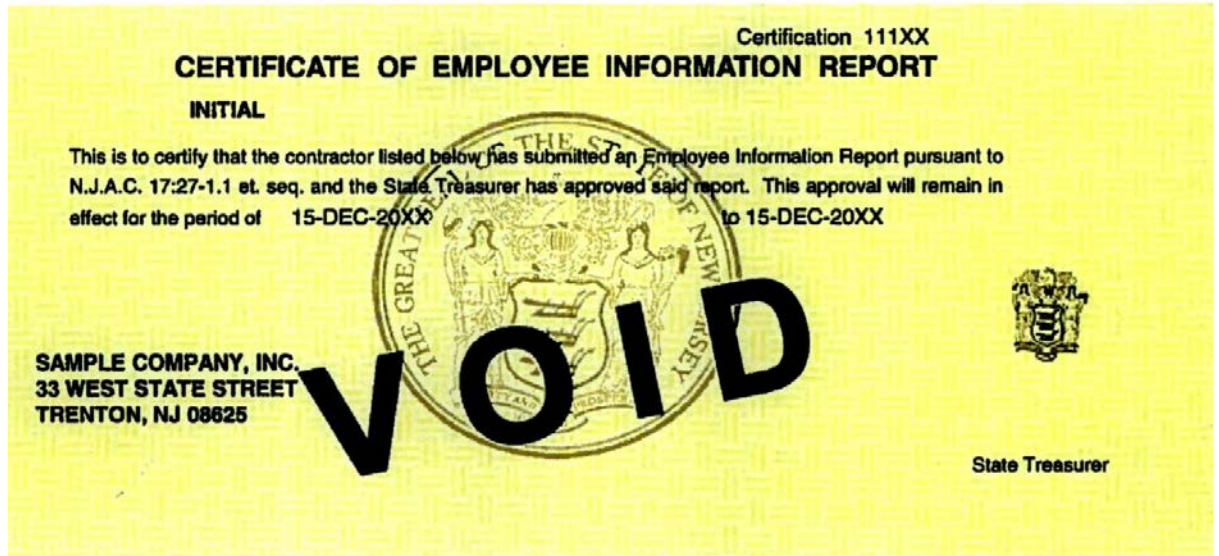
(Name and Title)

(Company Name)

(Address)

(City, State, Zip Code)

SAMPLE CERTIFICATE OF EMPLOYEE INFORMATION REPORT



REQUIRED

TOWNSHIP OF PISCATAWAY

PLEASE COMPLETE & SIGN ALL OF
THE REQUIRED FORMS IN BLUE INK

TOWNSHIP OF PISCATAWAY

TO All Bidders:

REMINDER!

Did you sign all of the bid documents?

All bid documents returned to the Township shall be signed with original signatures. Please use [Blue Ink](#).

The Township will not accept facsimile or rubber stamp signatures.

Failure to sign and submit all bid documents may be cause for disqualification and rejection of the bid.

One “Original” and (One “True Copy” of the Original)

.....
Cover Page with Name, Address, Phone Number, E-mail Address.

Return the entire original bid packet intact by the indicated deadline.

Please check the Website: www.piscatawaynj.org for any Addendum

Instructions: (Click on Home Page, EGov, Bids Download, Print)

Any Addendum must be submitted with Acknowledgement Addenda Form.

E-mail questions to: purchasing@piscatawaynj.org

732-562-2321 (The Division of Purchasing)

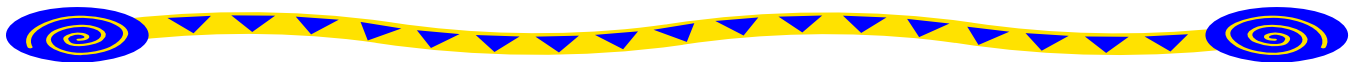
THE TOWNSHIP OF PISCATAWAY



SPECIFICATIONS

TECHNICAL

Pages 1-77



MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

SPECIAL INSTRUCTIONS TO BIDDERS**SITE EXAMINATION**

Bidders shall examine the site of the work before submitting their proposals.

SPECIFICATIONS AND INSPECTIONS

All construction will conform to Township of Piscataway specifications and inspections as well as the requirements of the N.J.D.O.T. Standard Specifications for Road and Bridge Construction - 2019, as amended, except for any provisions that permit a price adjustment for asphalt, fuel, labor or any other materials or supplies, and the State Aid Supplemental Specifications included.

The contractor shall provide the Engineer or his representative with one copy of all delivery slips for materials used in this project. All materials found to be defective during the progress of the work will be rejected by the Engineer or his representative and the Contractor shall promptly remove such defective material from the job site.

MATERIALS

All materials used in this project are to meet the approval of the Township Engineer.

UTILITY COMPANIES

All utility companies are to be notified by the Contractor prior to the start of construction to ensure that their facilities will not deter the course of construction, and to insure accurate locations and safety considerations. The Contractor shall not start the work until he has notified all utilities and all utilities have marked the location of their facilities in the field.

Whenever the possibility of a conflict in elevation and / or horizontal location arises, it shall be the responsibility of the Contractor to arrange for test holes to be made in order to ascertain the existence of a conflict or lack of it.

It is contractor's responsibility to coordinate with utility companies removal and or relocation of any underground or aboveground utilities including but not limited to utility poles, hydrants, water meters, pipes, cables that are in conflict with construction.

No separate or additional payment shall be made for any work performed under this section.

CONSTRUCTION MATERIAL

All prices to be quoted on pavement, curb, sewer, etc., shall include the necessary cost to remove and replace all obstacles to the proper completion of the work unless noted otherwise. Such obstacles may include street signs, trees, fences, existing curb and

pavement, shrubbery, mailboxes and others as designated by the Township Engineer and as shown on the plans.

NOTICE TO PROCEED

A “Notice to Proceed” will be issued by the Township Engineer from which time the Contractor shall diligently pursue the completion of the work under the Contract.

MAINTENANCE BOND

Upon completion of the work, the Contractor shall furnish a maintenance bond of a sum equal to ten percent (10%) of the contract price and said bond shall remain in full with the Township for a period of two years after the date of acceptance of the project.

APPROXIMATE QUANTITIES

It should be understood that all quantities are approximate, and that bid units may be increased or decreased as deemed necessary by the Township Engineer.

COMMENCEMENT OF WORK

Bidder must agree to commence work on or before a date to be specified in a written “Notice to Proceed” from the Township Engineer and to fully complete the project within 270 consecutive calendar days thereafter. Bidder must also agree to pay as liquidated damages, the sum of \$2,500.00 for each consecutive calendar day thereafter as hereinafter provided in Article G-30 of the “General Instructions to Bidders”.

DAMAGE TO UTILITIES AND OTHER STRUCTURES

The Contractor shall be responsible for all injury to water pipes, fire hydrants, gas pipes, electrical wire conduits, sewers, and other structures met within the prosecution of the work and shall be liable for damages to public or private property resulting there from which amounts may be deducted from any estimate due him. The Contractor is required to sling, shore up and secure in their place all water pipes, gas pipes, electrical conduits, and sewers without injury, and to provide for and maintain the flow of water, gas, electricity, drainage and water courses, whether on the surface or underground, which may be intercepted or interrupted during and by the progress of the work. When necessary, to change the location of gas pipes, electrical conduits or any other underground structures owned or controlled by corporations other than the Township, the change will be made by the owners and any additional cost will be borne by the Contractor. The Contractor shall give every facility for doing the work.

PROTECTION AGAINST ACCIDENT

The Contractor shall erect suitable barriers around the project to prevent accidents to passerby's, and shall place and maintain, during the night, sufficient lights on or near

the work. The Contractor shall have charge of, and be responsible for the entire scope of the construction for which he has contracted until its' completion and acceptance.

PROTECTION OF PROPERTY

The Contractor shall, at his expense, shore up, protect and make good, as may be necessary, all buildings, walls, fences, or other property injured, or liable to be injured during the progress of the work and the Contractor will be held responsible for the entire scope of the construction for which he has contracted until its completion and acceptance.

DRIVEWAYS

The Contractor shall at all times be responsible for providing driveway access to all property owners on the construction site. He shall adequately cut down or fill up and compact driveways as directed by the Engineer. All costs for this work shall be included within the prices bid within the various items designated in the proposal.

“THE PUBLIC WORKS CONTRACTOR REGISTRATION ACT ”

All named contractors must be registered with the Department of Labor pursuant to the Public Works Contractor Registration Act at the time the proposal is received, or the proposal will be determined to be non-responsive.

Any non-listed contractor must be registered with the Department of Labor prior to physically starting work.

The successful bidder shall set forth in the bid the name or names of all subcontractors to whom the bidder will subcontract the furnishing of plumbing and gas fitting, and all kindred work, and of the steam and hot water heating and ventilating apparatus, steam power plants and kindred work, and electrical work, structural steel and ornamental iron work, each of which subcontractors shall be qualified in accordance with P.L. 1971, C. 198 (C.40A: 11-1 et seq.). The contracting unit shall require evidence of performance security to be submitted simultaneously with the list of the subcontractors. Evidence of performance security may be supplied by the bidder on behalf of himself and any or all subcontractors, or by each respective subcontractor, or by any combination thereof which results in evidence of performance security equaling, but in no event exceeding, the total amount bid;

The certificate shall set forth the scope of work, goods and services for which the subcontractor has submitted a price quote and which the bidder has agreed to award to each subcontractor should the bidder be awarded the contract. The certificate shall be submitted to the contracting unit simultaneously with the list of the subcontractors. The certificate may take the form of a single certificate listing all subcontractors or, alternatively, a separate certificate may be submitted for each subcontractor. If a bidder

does not submit a certificate or certificates to the contracting unit, the contracting unit shall award the contract to the next lowest responsible bidder.

1. Contact Information

Contractor Registration Unit

Division of Wage and Hour Compliance

New Jersey Department of Labor
P.O. Box 389
Trenton, New Jersey, 08626-0389

Telephone: 609-292-9464

Fax: 609-633-8591

E-Mail: contreg@dol.state.nj.us

Web Site: www.nj.gov/labor/lssc/lspubcon.html

“ BUSINESS REGISTRATION CERTIFICATION ”

In accordance with State law P.L. 2004, c57 all business organizations that do business with a local contracting agency are required to be registered with the State and provide proof of that registration to the contracting agency before the contracting agency may enter into a contract with the business.

All named/listed bidders must submit a copy of their proof of registration with bids.

Failure to submit proof of registration is considered a mandatory rejection of bids. (a non-waivable defect). This covers construction work as well as non-construction bids. N.J.S.A. 40A:23.2 adds business registration to the mandatory list of documents submitted in a construction bid.

Contact Information

Instructions: www.nj.gov/dca/lgs/lpcl/busregis/bus_reg_instruc_4.doc

Registration: www.nj.gov/treasury/revenue/busregcert.htm

Registration: www.state.nj.us/treasury/revenue/busregcert.htm

"New Jersey Business Registration Requirements"

N.J.S.A. 52:32-44 imposes the following requirements on contractors and all subcontractors that **knowingly** provide goods or perform services for a contractor fulfilling this contract:

1. the contractor shall provide written notice to its subcontractors and suppliers to submit proof of business registration to the contractor;
2. subcontractors through all tiers of a project must provide written notice to their subcontractors and suppliers to submit proof of business registration and subcontractors shall collect such proofs of business registration and maintain them on file;
3. prior to receipt of final payment from a contracting agency, a contractor must submit to the contracting agency an accurate list of all subcontractors and suppliers or attest that none was used; and,
4. during the term of this contract, the contractor and its affiliates shall collect and remit, and shall notify all subcontractors and their affiliates that they must collect and remit, to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act, (N.J.S.A. 54:32B-1 et seq.) on all sales of tangible personal property delivered into this State.

A contractor, subcontractor or supplier who fails to provide proof of business registration or provides false business registration information shall be liable to a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided or maintained under a contract with a contracting agency. Information on the law and its requirements are available by calling (609) 292-9292.

**CONSTRUCTION SPECIFICATIONS FOR
2022 ROAD PROGRAM FOR CONCRETE CURB, SIDEWALK, DRIVEWAY &
ADA RAMPS – ROAD IMPROVEMENTS IN PISCATAWAY**

A. PROJECT PROVISIONS:

A1. Scope of Work

The project shall consist of furnishing all labor, equipment and material necessary to remove and reconstruct, existing curbing and construct new curbing, remove and reconstruct existing sidewalk and construct new public sidewalk with public sidewalk curb ramps and additional appurtenances necessary to complete each item within limits **as outlined on attached schedule ‘A’, schedule ‘B’ & schedule ‘C’** and incorporated herein. It shall include other incidental work on aforementioned areas pertaining to maintenance and protection of traffic, hot mix asphalt (bituminous concrete) pavement base repair/restoration and/or driveway apron restoration, in accordance with any details and/or direction from the Division of Engineering and these specifications. The roads targeted for repair and resurfacing shall have those areas marked and will generally be replaced in kind unless otherwise noted. The Township of Piscataway reserves the right to increase or decrease contract quantities as permitted by law.

For the purpose of this contract, any reference to the Township Engineer shall be interchangeable with the Engineer, and his designee in the Township of Piscataway.

The Contractor shall be responsible for restoring in-kind any impacted improvements including, but not limited to, soft and hard landscape items, mailboxes, decorative curbing, pavers, lawn sprinklers, drain pipes and similar items.

The Contractor shall ensure that no Township trees are damaged during the course of curb and/or sidewalk removals and construction. Tree roots interfering with new construction shall be ground out, or cut by manual methods selected by the Contractor, but tree roots shall not be pulled out with a backhoe.

The work shall be constructed in accordance with the New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction - 2019, English Edition, as amended and supplemented herein, and referred to herein as the Standard Specifications. In the event a conflict in the specification standards exists, the stricter specification standard shall prevail.

All concrete shall be air-entrained Portland cement concrete, with 28 day compressive strength (f'c) of 4,500 psi. Expansion joint material shall be pre-molded bituminous material conforming to the Standard Specifications.

A2. “If and Where Directed” Items.

The Proposal Form may request bids on one or more Pay Items to be incorporated into the Project “if and where directed” by the Supervisor of Engineering. Such items may not be located on the Plans. The estimated quantities set out in the Proposal Form

for such items are presented solely for the purpose of obtaining a representative bid price, but are not intended to indicate the Division of Engineering anticipation as to the quantities of such items which are to be actually incorporated into the Project. Depending on field conditions, such “if and where directed” items may or may not be incorporated into the Project and if incorporated may be many times the estimated quantity or only a fraction thereof.

Incorporation of such items shall only be made on written directions of the Township Engineer. **In the absence of written directions, no such items shall be incorporated into the Project and if incorporated will not be paid for.** The Engineer may order incorporation of such items at any location within the Project and at any time during the Contract Time. Claims for additional compensation shall not be made because of any increase, decrease, or elimination of such items, nor because of an increase or decrease in the amount of work due to the field conditions encountered in incorporating such items into the Project.

A3. Cooperation with Utilities

The Contractor shall also comply with the State’s Underground Facility Protection Act (L. 1994, c. 118). Pursuant to N.J.S.A. 48:2-73 et seq. and N.J.A.C. 14:2-1.1 et seq., the Contractor shall call the One-Call Center at 1-800-272-1000 for utility mark-outs at least three (3) business days in advance, but no more than ten (10) business days prior to beginning any excavation, or demolition activities. No digging will be permitted until the underground utility mark-out has been properly completed and the Contractor has provided the Township of Piscataway with proof of their notification to the One-Call Center in accordance with this act. No blasting will be permitted in the Township of Piscataway.

A4. Dust and Dirt Control Measures

a. Dust Control

The Contractor shall employ construction methods and means that keep flying dust to the minimum and shall provide for the laying of water or other dust control materials on the effected project area and on roads, streets and other areas immediately adjacent to the Project limits, wherever buildings that are occupied or in use, are affected by such dust caused by the Contractor’s construction operations. The materials and methods used for dust control are subject to approval by the Director.

b. Dirt Control

The Contractor shall provide for the prompt removal from existing roadways of all dirt and other materials that have been spilled, washed, tracked or otherwise deposited thereon by the Contractor’s operations whenever the accumulation is sufficient to cause the formation of mud, interfere with drainage, damage pavements or create a traffic hazard.

Dust and Dirt Control Measures will not be measured for payment.

A5. Disposal of Materials and Debris

The disposal of material and debris accumulated by road construction operations is regulated under the Solid Waste Management Act (NJSA 13:1 E-1) and is governed by NJAC 7:26 et seq. The Contractor shall dispose of construction materials and debris in accordance with the Solid Waste Management Plan developed by the Solid Waste Management district of origin. Proper documentation from the disposal facility shall be submitted to the Township Engineer.

A6. Hazardous Materials

If any hazardous materials are encountered during the Project, they shall be transported, stored, and/or disposed in such a manner as to not create a hazard, and in accordance with all applicable Federal and State Regulations and national consensus standards. In the event the Contractor creates a hazardous condition by the Contractor's action, the Contractor shall solely bear the cost of all remediation until report of No Further Action, and such remediation shall be at no expense to the Township of Piscataway.

A7. Cleaning Up

The Contractor is notified that the Township shall be maintained in an as orderly condition as possible during the entire construction period. To this end, salvageable items to be reused in the Contract shall be removed and stored in obscure locations until the time for their use. Unsalvageable materials and debris resulting from the construction operations shall be promptly disposed of off Township limits. At the end of each work shift, the Contractor shall neatly store all material and equipment, and clean existing work area and roadway surfaces within the limits of the project to the satisfaction of the Engineer, or the Division of Engineering designee, so as to allow traffic and pedestrians safe passage.

No separate payment will be made for the work of cleaning up and all cost thereof shall be included under the contract price bid in the Proposal.

A8. Time of Completion

All work under this project shall be completed within **two hundred and seventy (270)** calendar days from 'Notice to Proceed'. However, work shall proceed in a continuous manner from such "Notice to Proceed". Delays in this continuity shall only be in the case of weather conditions that prohibit normal working procedures as determined by the Township Engineer or at the direction of the Supervisor of Engineering as he may deem necessary at his discretion. A penalty as outlined in Article G-30 of these specifications shall be levied for default of the time of completion for reasons other than those herein outlined.

A9. Construction Layout

The Contractor shall be responsible for the construction layout as needed of all items included in this contract. Construction layout shall mean the stakeout of all types of curb,

drainage inlets, sidewalk, driveway aprons and handicap ramps where such stakeout is needed to maintain proper alignment and grade. Construction layout and or stakeout shall be required where the removal of existing or addition of new curb, sidewalk, driveway apron or handicap ramp is such that the replacement or installation of these items without stakeout will result in faulty grade and or alignment. When the stakeout of any of the aforementioned items is questionable as to its necessity, the decision to determine its requirement shall be at the discretion of the Township Engineer. **The layout crew must be proficient in performing this task and will provide a cut sheet for each stakeout to the Engineer for approval. Prior to construction of new curbs and or drainage structures, the contractor shall submit a layout plan and profile to Town Engineer for his/her review and approval. The layout plan including cut sheets shall be prepared by professional licensed in the state of New Jersey.** The construction layout shall insure that positive drainage is maintained in all areas of new curb and that adjacent or downstream areas are not impacted by faulty drainage configuration. All layout operations shall be at the expense of the Contractor and be included in the bid price.

A10. Pre-Construction Photographs

The Contractor shall, at no extra cost, take DVD or digital photographs of the site prior to the commencement of construction. The DVD or photograph record shall accurately depict the existing preconstruction condition of all curbs, sidewalks, driveways, fences, lawns, landscaped areas, mailboxes, street furniture and all other appurtenances within, or outside a 25 foot radius of the limits of the construction of the project. One (1) copy of the CD photograph record or DVD shall be provided to the Engineer. The date of all disks, as well as identification as to the location which the records depict, must be provided.

B. TRAFFIC CONTROL

B1. MAINTENANCE AND PROTECTION OF TRAFFIC

This work area will be maintained to effect safe pedestrian and vehicular traffic thru the project area(s) under construction activity by the Contractor.

Warning signs of 'Construction Ahead' will be posted outside of project limits by the Contractor in advance of any work and in coordination with the Division of Engineering and the Township of Piscataway Police Department.

Posting of 'No Parking' signs shall be the responsibility of the Contractor, if & where directed by the Police Department.

The Contractor shall insure that no residential driveways are blocked during construction, and shall advise residents by written notice, with copy to Township of Piscataway, of anticipated work at driveway aprons if work schedule dictates work at driveway aprons.

Construction work adjacent to or in the roadway shall be adequately protected with barricades and/or barrels. Obstructions, if any, shall be illuminated during hours of darkness.

All barricades, warning signs, lights, temporary signals and other protective devices shall conform with the 'Manual on Uniform Traffic Control Devices,' latest edition.

The Contractor is hereby made aware that during conditions of adverse weather, including but not limited to rain, snow or any conditions resulting in wet, icy or slippery pavement and/or periods of reduced visibility caused by fog, mist or smoke and/or, if traffic is heavy as determined by the Township Engineer, road work will be delayed until the adverse weather condition or traffic conditions dissipates.

The Contractor shall furnish, install, maintain, and remove upon work completion any and all traffic control devices, as required, at no additional cost to the Township of Piscataway.

Maintenance and Protection of Traffic is not considered a pay item, hence no additional payment will be made for Maintenance and Protection of Traffic as heretofore described. The exception shall be the hiring when necessary of Police Traffic Control Officers and Police Traffic Control Officers with Marked Vehicles as set forth in Items 2 and 3.

C. SPECIAL INFORMATION

C.1 RESIDENT NOTIFICATION

The Contractor shall be responsible at his cost to notify all residents affected by his construction operations to forewarn them of any inconveniences that may occur and how to minimize them. Specific written notices shall be hand delivered a minimum of 24 hours prior to curb repair, driveway repair, milling operations and paving operations, and any work affecting the residents. At a minimum, the notices must specify the type of operation, start date of the operation, how long it will last with a caveat as to weather, and specific actions that the resident must take to circumvent the inconvenience. A written general notice must be given prior to commencement of any action by the Contractor to inform residents that construction is imminent on their street. This notice shall give a general description of the work that is to ensue with an estimated time table of its duration. It shall be distributed a minimum of 48 hours prior to commencement of construction. Copies of all notices shall be given to the Engineer prior to distribution.

C.2 LOCATION AND LIMITS OF CONSTRUCTION ITEMS

Each of the roads has markings where the curb is to be replaced. These markings are a general guide as to the limits of construction. At the discretion of the Engineer, the quantities may be reduced or increased. Similarly, Schedule A of the specifications indicates the limits of paving and other items for each road. Where curb is marked intermittently it shall be replace in kind as herein specified. Prior to commencing

construction at each road, the Contractor shall verify with the Engineer the limits of construction of each item.

D. ITEMS

DIVISION 150
Section 157

CONSTRUCTION LAYOUT (ITEM #1)

1.01 DESCRIPTION

This section describes the requirements for surveying and providing lines, grades, elevations, and reference marks as necessary to construct the elements of construction and as specified in **Section A Project Provisions paragraph A9. Construction Layout** of this specifications.

1.02 PROCEDURE

Perform a site investigation within the project limits to locate existing property markers and monuments. Protect property markers and monuments from disturbance and destruction. Notify the Township Engineer of the location of property markers and monuments that are in danger of being removed or disturbed.

1.03 QUANTITY AND PAYMENT

Payment for construction layout will be made in accordance with the specifications at the lump sum bid for the item construction layout in the bidding sheet. Fifty (50%) percent payment will be made upon initial construction layout and submittal of layout drawing, the remainder of the item will be paid on a pro-rated basis over the length of the project, less charges incurred for resetting of control points by the Engineer, if required.

Pay Item

Pay Unit

CONSTRUCTION LAYOUT

LUMP SUM

DIVISION 150
Section 159

UNIFORMED LAW ENFORCEMENT OFFICERS (If & Where Directed) –
(ITEM # 2)

2.01 Description

This item shall include hiring uniformed law enforcement officers to work as traffic directors (Section 159.03.08.)

In addition to the procedures for the maintenance and protection of traffic implemented by the contractor as set forth in **Section B. Traffic Control** the use of Police Traffic Control Officers may be required to direct traffic and maintained roadway safety. Such use shall be at the discretion of the Township Engineer in consultation with the Piscataway Police Department – Traffic Section who shall estimate the need for Police Traffic Control Officers. This estimate shall be based on the project size, roadways involved, traffic conditions and other situations that typically require police oversight. The estimate shall include the number of hours of use of uniformed police officers and administrative costs.

PROCEDURES

2.02 Method of Hiring Officers

When it is determined that Police Traffic Control Officers are required, the contractor shall call the Piscataway Police Department at 732 562 2348 a minimum of 24 hours prior to the need for such service. Failure to give such timely notice may cause the suspension of work at the site needing police presence until timely notice is satisfied. Such suspension of work at that site and any subsequent resulting loss of work time shall be attributed to the contractor wherein the Township of Piscataway shall not be held at fault. Conversely, if the contractor gives prior notice as herein specified and work is suspended due to lack of police presence through no fault of the contractor, the time lost shall be attributed to the Township of Piscataway. No other damages shall be attributed to the Township of Piscataway other than the loss of time. Said loss of time shall be regained by the contractor by adding it to the time of completion for the contract. Both the Township of Piscataway and the contractor shall maintain accurate records of such incidents to determine appropriate altered time allocations.

Additionally, there shall be a two hour minimum call in time for Police Officers. Notification of cancellation of services shall be no less than two hours prior to the scheduled time of arrival of the Police Officer(s). Violation of this policy shall result in a charge to the contractor of three hours of service for each Police Officer scheduled. For cancellations the contractor must call the Watch Commander as herein required at 732-562-1100. The contractor shall be responsible to verify rates for hiring Uniformed Traffic Control Officers.

COMPENSATION

2.03 Method of Measurement

Police Traffic Control Officers shall be measured by the hours worked which shall coincide with the hours charged to the contractor by the Piscataway Police Department. The Township Engineer shall estimate the time needed for Police Traffic Control Officers for this project. A lump sum dollar amount shall be set by the Engineer

which all bidders will include in their bid. This dollar amount shall be used from which to draw payment for cost to the contractor for use of this item.

2.04 Basis of Payment

The lump sum price for this item shall include the use of Police Traffic Control Officer as needed to safely carryout the terms of the contract. Payment shall be made per hour of use per Officer drawn from the estimated lump sum dollar amount set forth for this item. The hours to be paid per officer shall coincide with the hours and the hourly rate charged to the contractor by the Piscataway Police Department. Invoices from the Police Department shall be submitted when payment is requested.

Compensation shall be based upon actual time expended by Uniformed Law Enforcement Officers.

The contracting unit is not responsible for traffic control costs beyond the number of working days specified in the construction contract in accordance with section 17 of P.L. 1971, c.198 (C40A)

Pay Item

Pay Unit

UNIFORM LAW ENFORCEMENT OFFICER

LUMP SUM

DIVISION 150
Section 159

UNIFORMED LAW ENFORCEMENT OFFICERS W/POLICE MARKED
VEHICLES (If & Where Directed) (ITEM # 3)

3.01 Description

In addition to the procedures for the maintenance and protection of traffic implemented by the contractor as set forth in **Section B. Traffic Control** the use of Police Traffic Control Officers with Marked Police Vehicles may be required to direct traffic and maintained roadway safety. Such use shall be at the discretion of the Township Engineer in consultation with the Piscataway Police Department – Traffic Section who shall estimate the need for Police Traffic Control Officers. This estimate shall be based on the project size, roadways involved, traffic conditions and other situations that typically require police oversight. The estimate shall include the number of hours of use of uniformed police officers with marked police vehicles and administrative costs.

PROCEDURES

3.02 Method of Hiring Officers with Marked Police Vehicles

When it is determined that Police Traffic Control Officers with Marked Police Vehicles are required, the contractor shall call the Piscataway Police Department at 732 562 2348 a minimum of 24 hours prior to the need for such service. Failure to give such timely notice may cause the suspension of work at the site needing police presence until timely notice is satisfied. Such suspension of work at that site and any subsequent resulting loss of work time shall be attributed to the contractor wherein the Township of Piscataway shall not be held at fault. Conversely, if the contractor gives prior notice as herein specified and work is suspended due to lack of police presence through no fault of the contractor, the time lost shall be attributed to the Township of Piscataway. No other damages shall be attributed to the Township of Piscataway other than the loss of time. Said loss of time shall be regained by the contractor by adding it to the time of completion for the contract. Both the Township of Piscataway and the contractor shall maintain accurate records of such incidents to determine appropriate altered time allocations. Lori Alexander has information on the hourly rates.

Additionally, there shall be a two hour minimum call in time for Police Officers with Marked Police Vehicles. Notification of cancellation of services shall be no less than two hours prior to the scheduled time of arrival of the Police Officer(s) with Marked Police Vehicle(s). Violation of this policy shall result in a charge to the contractor of three hours of service for each Police Officer with Marked Police Vehicle scheduled. For cancellations the contractor must call the Watch Commander as herein required at 732-562 1100. The contractor shall be responsible to verify rates for hiring Uniformed Traffic Control Officers and Patrol Vehicles.

COMPENSATION

3.03 Method of Measurement

Police Traffic Control Officers with Marked Police Vehicles shall be measured by the hours worked which shall coincide with the hours charged to the contractor by the Piscataway Police Department. The Township Engineer shall estimate the time needed for Police Traffic Control Officers with Marked Vehicles for this project. A lump sum dollar amount shall be set which all bidders will include in their bid. This dollar amount shall be used from which to draw payment for cost to the contractor for use of this item.

3.04 Basis of Payment

The lump sum price for this item shall include the use of Police Uniform Law Enforcement Officers with Marked Police Vehicles as needed to safely carryout the terms of the contract. Payment shall be made per hour of use per Officer with Vehicle drawn from the estimated lump sum dollar amount set forth for this item. The hours to be paid per Officer with Vehicle shall coincide with the hours and the rate charged to the contractor by the Piscataway Police Department. Invoices from the Police Department shall be submitted when payment is requested.

Compensation shall be based upon actual time expended by Uniformed Law Enforcement Officers.

The contracting unit is not responsible for traffic control costs beyond the number of working days specified in the construction contract in accordance with section 17 of P.L. 1971, c.198 (C40A)

Pay Item

Pay Unit

UNIFORM LAW ENFORCEMENT OFFICERS
W/POLICE MARKED VEHICLES
(IF & WHERE DIRECTED)

LUMP SUM

SECTION 160
PRICE ADJUSTMENTS

ASPHALT PRICE ADJUSTMENT (ITEM # 4)

4.01 DESCRIPTION

Permits price adjustments in local public contracts for asphalt according to enactment of P.L. 2009,c. 187 (A-436/S-2833)

The department of Transportation will make monthly price adjustments for asphalt and binder usage. The department will calculate asphalt price adjustments based on the quantities of items containing asphalt binder during a given month.

Price adjustments may result in an increased payment to the contractor for increases in the price index and may result in a reduction in payment for decreases in the price index.

The Department will calculate the asphalt price adjustments by the following formula: $A = (MA - BA) \times T$.

Where:

A=Asphalt Price Adjustment

MA=Monthly Asphalt price Index

BA=Basic Asphalt Price Index

T=Tons of New Asphalt Binder

MEASUREMENT AND PAYMENT

Payment for Asphalt Price Adjustment shall be determined by the monthly asphalt price index, as determined by the N.J.D.O.T. will be the average of quotations from suppliers serving the area in which the project is located, and will be determined by the D.O.T. each month. The D.O.T will post the monthly asphalt price index every month on the department's web site:<http://www.state.nj.us.transportation/business/transport/PriceIndex.shtm>.

The basic asphalt price index is the asphalt price index for the month before the opening of the bids. The D.O.T. will use the asphalt price index for the month before the regular monthly estimate cut off date as the monthly asphalt price index.

If the monthly asphalt price index increases 50 percent or more over the basic asphalt price index, do not perform work on items containing asphalt binder without the approval of the Registered Engineer.

*Pay Item**Pay Unit*

ASPHALT PRICE ADJUSTMENT

LUMP SUM

SECTION 160
PRICE ADJUSTMENTS

FUEL PRICE ADJUSTMENT (ITEM # 5)

5.01 DESCRIPTION

This section describes the requirements for fuel price adjustments for fuel and asphalt usage. The calculations and usage must be followed as described in section 160.03.01

The D.O.T. will make monthly price adjustments for fuel usage for items listed in Table 161.03.01-1. The D.O.T. will calculate fuel price adjustments based on the monthly pay quantities of listed items using the fuel usage factors listed in this table.

Price adjustments may result in an increased payment to the contractor for increases in the price index and may result in a reduction in payment for decreases in the price index.

The D.O.T. will calculate fuel price adjustment on a monthly basis using the following formula:

$$F = (MF - BF) \times G$$

Where:

F= Fuel Price Adjustment

MF= Monthly Fuel Price Index

BF= Basic Fuel Price Index

G= Gallons of fuel for Price Adjustment

MEASUREMENT AND PAYMENT

The basic fuel price index is the previous month's fuel price index before receipt of bids. The D.O.T. will use the fuel price index for the month before the regular monthly estimate cut off date as the Monthly Fuel Price Index. If the Monthly Fuel Price Index increases by 50 percent or more over the Basic Fuel Price Index, do not perform any work involving Items listed in Table 161.03.01-1.

*Pay Item**Pay Unit*

FUEL PRICE ADJUSTMENT

LUMP SUM

DIVISION 200
SECTION 201
SITE CLEARING AND RESTORATION
(ITEM # 6)

Section 201.03.01 **DESCRIPTION**

Site clearing and restoration shall consist of the work of clearing the site of the project within the limits of disturbance. This item shall include but not be limited to the removal and/or resetting of mailboxes, masonry pillars and walls, timber walls, curbs, local street and road signs, guide rails, plugging abandoned pipes using concrete, removing pipe, inlets and manholes, removing sidewalks, driveways, curbs, gutters, sprinkler system, removing electrical material and equipment. Clearing and grubbing shall consist of removal of trees up to and including 6" caliper, shrubs, roots, miscellaneous landscaping, drain pipes, sump pump pipes and all other items or obstacles necessary to the proper completion of the work, except as herein provided. (Section 201.03.01)

Before beginning excavation or embankment construction, clear the site within the limits of construction. Clear the ground surface of designated trees, (up to and including 6" diameter) bales, brush, shrubs, weeds, roots, matted leaves, small structures, debris and other objectionable material.

Trees, shrubs and other landscape features within the construction limits which do not interfere with the progress shall not be removed, but shall be protected during the progress of the work in a manner satisfactory to the Engineer. All remaining trees shall be pruned as necessary, and damaged areas painted, to remove branches from the roadway side of the curbing or sidewalk area, as directed by the Engineer.

Remove and reset residential and commercial mailboxes at locations acceptable to owners and according to United States Postal Service requirements.

The contractor is responsible to repair and restore any damage to existing sprinkler system. No separate measurement or payment shall be made for this item.

Clearing Site shall also include the resetting or relocation of items to remain and any Work not actually listed in the Schedule of Items in the Proposal which is not otherwise provided in the Contract but which is required for the completion of the Work as described by the Drawings and or the Contract Documents.

201.02 **MATERIALS:**

Provide materials as specified and as noted in 201.02

materials for the construction of the roadway embankments, subbase, base courses and backfill if and where directed by the Engineer.

UNAUTHORIZED EXCAVATION

Special care will be taken with the final six inches of all excavations. In no case shall the excavation be carried below grade by machine and backfill used to establish the required grade. Where the excavation has been carried below grade through error or because of slides or cave-ins, the Contractor shall at his own expense restore such areas with 3/4 inch graded gravel or crushed stone or as directed by the Engineer.

If the Contractor excavates below the required grade for structures, the over excavation shall be filled with material subject to the requirements of the Engineer. The material may include 2000 psi concrete if so ordered by the Engineer.

202.03.03 METHODS OF CONSTRUCTION

Excavation operations may be conducted by milling or other standard methods acceptable to the Township Engineer. Should the successful bidder choose to excavate by bulldozer, grader, or other acceptable method, care must be taken not to disturb the sub-grade below those elevations shown or implied by the plans.

Any such disturbance shall be remedied in a manner acceptable to the Township Engineer at the contractor's expense. Should the successful bidder choose to mill, the following methods of construction must be adhered to;

A test strip shall be constructed within the proposed limits of milling prior to commencement of the milling operations. The test strip shall be used to determine the machine and drum speeds of operation which will produce the property surface texture and, when profiling is called for, to determine the cutting depth required to remove ruts and transverse corrugations.

The milling operation may begin when the above criteria have been established and approved. The machine shall be operated at the speeds and cutting depth determined during the test strip milling. Test strips shall be construction for each milling machine use. If the area to be milled is less than 2,500 square yards, a test strip is not required.

The milling operation, including removal of the milled material, shall be carried out in a manner that will prevent dust and other particulate matter from escaping into the air.

202.04 QUANTITY AND PAYMENT

Payment shall be per cubic yard of material, regardless of method, at the price bid in the Proposal and shall include all necessary labor, materials, excavation and supplies, including removal and proper disposal of excavated material from the site.

Pay Item

Pay Unit

EXCAVATION, UNCLASSIFIED

CUBIC YARD

Section 202
EXCAVATION, UNCLASSIFIED ROADWAY
(ITEM #8)

202.01 **DESCRIPTION**

The following is added to this Article of the Standard Specifications:

This item shall include the excavation of the roadway as required except rock, as shown on the plans and bid in the Proposal. All excavated material shall be removed from the project site as part of this item. None of the aforementioned material shall be used for any purpose, including backfill on this project.

Excavation shall be in accordance with section 202 of the N.J.D.O.T. Standard Specification, 2019, as amended.

Excavation, unclassified, shall also include removal of hot mix asphalt pavement overlay, hot mix asphalt pavement, and reinforced and non-reinforced concrete pavement.

In addition, excavation, unclassified, shall include the sawcutting of the existing pavement. This shall be at a distance of one foot from the edge of the existing pavement that is to remain in place to form a proper bond between the new pavement and the existing pavement, or as directed by the Engineer.

Excavation, unclassified, shall also include, as required, the separation and temporary stockpiling of suitable earth materials from excavation and the rehandling of the stockpiled materials for the construction of the roadway embankments, subbase, base courses and backfill if and where directed by the Engineer.

Excavation, unclassified, shall also include removal of unsuitable material in cut sections disclosed of by proof rolling.

UNAUTHORIZED EXCAVATION

Special care will be taken with the final six inches of all excavations. In no case shall the excavation be carried below grade by machine and backfill used to establish the required grade. Where the excavation has been carried below grade through error or because of slides or cave-ins, the Contractor shall at his own expense restore such areas with 3/4 inch graded gravel or crushed stone or as directed by the Engineer.

If the Contractor excavates below the required grade for structures, the overexcavation shall be filled with material subject to the requirements of the Engineer. The material may include 2000 psi concrete if so ordered by the Engineer.

202.03.03 **METHODS OF CONSTRUCTION**

Excavation operations may be conducted by milling or other standard methods acceptable to the Township Engineer. Should the successful bidder choose to excavate by bulldozer, grader, or other acceptable method, care must be taken not to disturb the sub-grade below those elevations shown or implied by the plans.

Any such disturbance shall be remedied in a manner acceptable to the Township Engineer at the contractor’s expense. Should the successful bidder choose to mill, the following methods of construction must be adhered to;

A test strip shall be constructed within the proposed limits of milling prior to commencement of the milling operations. The test strip shall be used to determine the machine and drum speeds of operation which will produce the property surface texture and, when profiling is called for, to determine the cutting depth required to remove ruts and transverse corrugations.

The milling operation may begin when the above criteria have been established and approved. The machine shall be operated at the speeds and cutting depth determined during the test strip milling. Test strips shall be construction for each milling machine use. If the area to be milled is less than 2,500 square yards, a test strip is not required.

The milling operation, including removal of the milled material, shall be carried out in a manner that will prevent dust and other particulate matter from escaping into the air.

202.04 **QUANTITY AND PAYMENT**

Payment shall be per cubic yard of material, regardless of method, at the price bid in the Proposal and shall include all necessary labor, saw cut, materials, excavation and supplies, including removal and proper disposal of excavated material from the site.

<i>Pay Item</i>	<i>Pay Unit</i>
EXCAVATION UNCLASSIFIED, ROADWAY	CUBIC YARD

Section 202
EXCAVATION UNCLASSIFIED, FOR TEST PITS,
(If and where directed)
(ITEM # 9)

9.01 DESCRIPTION

See Section 202 of the N.J.D.O.T. Standard Specifications, 2019 as amended.

9.02 QUANTITY AND PAYMENT

Payment for Excavation Unclassified for Test Pits (If & Where Directed) shall be on a per cubic yard basis and shall include all necessary labor, equipment and materials as described in Section 202.03 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

Pay Item

Pay Unit

EXCAVATION UNCLASIFIED, FOR TEST PITS
(IF AND WHERE DIRECTED)

CUBIC YARD

Section 202
EXCAVATION REGULATED MATERIAL
DISPOSAL OF REGULATED MATERIAL, INCLUDING TESTING
(If and where directed)
(ITEM # 10, #11)

202.01 DESCRIPTION

See Section 202 of the N.J.D.O.T. Standard Specifications, 2019 as amended.

Excavation, Regulated Material shall consist of excavating, handling and temporarily storing regulated nonhazardous materials classified as regulated in the NJDEP Solid Waste Regulations, NJAC 7:26-1 et seq. or NJAC 7:26 E-1-8.

Disposal of Regulated Material shall consist of soil testing, and loading, transporting and disposing of regulated nonhazardous materials.

202.02 MATERIALS

202.03 CONSTRUCTION

Excavation, Regulated Material

Within project limits, provide protection against exposure to regulated material and prevent release of regulated material into the environment. Regulated materials shall not be re-used on the site.

Temporarily store regulated material in stockpiles in well-drained areas no closer than 50 feet from streams, wetlands, floodplains, or other waterbodies within the project limits. Construct stockpiles on polyethylene sheeting. Do not commingle different types or classifications of materials. Contain stockpiles with haybales or silt fence placed continuously at the perimeter of the stockpiles. Cover stockpiles with polyethylene sheeting. Secure the cover in place at all times. Overlap joints in the sheeting a minimum of 12 inches and place securing materials along the joints. Maintain the cover and replace damaged sheeting as needed.

Clean equipment used for the movement of excavated material at the end of each working day or before removing it from the project limits. Install non-vegetative erosion control features to limit the movement of excavated material from equipment cleaning areas.

Dispose of regulated material within 30 days of being stockpiled.

Disposal of Regulated Material

Conduct soil testing, at the direction of the Engineer, in areas exhibiting the potential for the presence of regulated nonhazardous materials. Load, transport and dispose of regulated material according to Federal, State and local laws and regulations. Pay fees associated with removal and disposal of regulated material. Perform additional soil sampling and analyses if needed according to disposal facility. Remove excess soil adhering to the wheels or under carriage of transport vehicles before leaving site. If soil or water escapes to the public road, immediately clean the road and notify the Engineer.

Provide Engineer with documentation of proper disposal, to include:

- Waste facility application and acceptance of material
- Fees paid to waste facility, if required
- Licensed Hauler /Transport subcontractor name, address, permit number and phone number
- Type and quantity of material removed
- Weight of vehicle and weigh slip
- Recycling or disposal facility name, address, permit number and phone number
- Date removed from site
- Signature of transport vehicle operator

Within 15 days of acceptance by disposal facility, submit 1 copy of the facility’s acceptance of the regulated material including the weight ticket slips to the Engineer and Middlesex County.

QUANTITY AND PAYMENT

Payment for Excavation Regulated Material, Disposal of Regulated Material, Including Testing (If & Where Directed) shall include all necessary labor, equipment, materials, excavation, as described in Section 202.03 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

Separate payment will not be made for soil testing for the presence of regulated nonhazardous materials. Separate payment will not be made for soil sampling and analyses related to regulated material if required by a disposal facility. Separate payment will not be made for fees to dispose of material

<i>Pay Item</i>	<i>Pay Unit</i>
10. EXCAVATION, REGULATED MATERIAL	CY
11. DISPOSAL OF REGULATED MATERIAL, INCLUDING TESTING	ALLOWANCE

DIVISION 300
Section 302

DENSE GRADED AGGREGATE BASE COURSE,
6" THICK,
COMPLETE IN PLACE
(If & Where Directed)
(ITEM #12)

12.01 DESCRIPTION

This item shall consist of Dense Graded Aggregate Base Course, 6" Thick, as shown on the detail sheet or as directed by the Township Engineer.

12.02 MATERIALS

Materials shall conform to the dense graded aggregate designation in Subsection 901.10 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

12.03 EQUIPMENT

Equipment shall include equipment that can spread aggregate, without segregation. The compaction equipment shall be pneumatic-tire or dynamic compactors conforming to subsection 302.02.02 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

12.04 METHODS OF CONSTRUCTION

Prior to placing base course material on the Subgrade or SubBase, the SubBase shall conform to subsection 301.03.01, of the N.J.D.O.T. Standard Specifications, 2019, as amended.

Preparation of Subgrade

As directed by the Township Engineer, unsuitable Subgrade shall be removed and replaced with SubBase material in accordance with the N.J.D.O.T. Standard Specifications, 2019, as amended. SubBase material shall not be placed on soft, muddy, or frozen areas, or until all irregularities in the prepared areas, including soft areas in the foundation, have been corrected.

Spreading and Compacting

The SubBase material shall be deposited on the prepared areas as uniformly as possible to avoid segregation. SubBase shall be constructed in layers not exceeding a compacted thickness of 6 inches. The SubBase, if constructed in two or more layers, shall

be of equal thickness, in accordance with the N.J.D.O.T. Standard Specifications, 2019, as amended.

Protection of Existing Facilities

If damage is caused to any utility, pipe, facility, building structure or its' contents, the method of operation shall be changed so as to avoid such damage. At such locations the SubBase and Subgrade shall be compacted by the density control method specified in Subsection 203.03.02 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

12.05 MEASUREMENT AND PAYMENT

Payment shall be per square yard of Dense Graded Aggregate Base Course, 6" Thick, at the price bid in the proposal and shall include all necessary labor, materials and supplies.

Pay Item

Pay Unit

DENSE GRADED AGGREGATE BASE COURSE, 6" THICK
(IF & WHERE DIRECTED)

SQUARE YARD

DIVISION 400 – PAVEMENTS

Section 401

HOT MIX ASPHALT BASE COURSE 19M64, 7" THICK

(IF & WHERE DIRECTED)

(ITEM # 13)

13.01 DESCRIPTION

This item shall include all necessary labor, materials and supplies to install Hot Mix Asphalt Base Course 19M64, 7" thick to the lines and grades shown on the plans and as directed by the Township Engineer.

13.02 MATERIALS

Hot Mix Asphalt Base Course 19M64, 7" Thick, shall comply with the requirements of the N.J.D.O.T. Standard Specifications for Road and Construction - 2019, as amended.

13.03 METHODS OF CONSTRUCTION

Hot Mix Asphalt base course 19M64, 7" Thick, shall be installed in two 3 1/2" lift as shown on the detail. The lift shall be thoroughly rolled and compacted. A "tack coat" shall be installed before placement of the material, as directed by the Township Engineer.

Do not place HMA if it is precipitating. Do not allow trucks to leave the plant when precipitation is imminent. The contractor may resume operations when the precipitation has stopped and the surface is free from water.

When placing HMA, ensure that the base temperature meets the minimum temperature requirements specified in table 401.03.07-1.

13.04 QUANTITY AND PAYMENT

Payment shall be per ton of Hot Mix Asphalt base course material 19M64, 7” thick, except for any provisions that permit a price adjustment for asphalt, fuel, labor or any other materials or supplies compacted in place, at the price bid in the Proposal and shall include all necessary labor, materials and supplies.

Pay Item

Pay Unit

HOT MIX ASPHALT BASE COURSE 7” Thick
(19M64), COMPLETE IN PLACE
(IF & WHERE DIRECTED)

TON

DIVISION 500 **Section 513**

MODULAR BLOCK RETAINING WALL **COMPLETE IN PLACE** **(IF & WHERE DIRECTED)** **(ITEM # 14)**

14.01 DESCRIPTION

This item shall be for the construction of modular block retaining walls, as shown on the plans and details, and or as directed by the Engineer. Also to include the excavation, reinforcement, backfilling, and compaction of the area excavated for the walls.

If retaining wall(s) is 4 feet and higher the contractor is responsible to provide signed and sealed design plan(s) prepared by New Jersey licensed Engineer without any additional cost to Township.

14.02 MATERIALS

Modular block retaining wall units shall be 6” Country Manor Wall Stones, as manufactured by Anchor Concrete Products, Manasquan, NJ 08736, 800-682-5625 or approved equal. Drainage fill behind the walls shall be 3/4” clean stone.

14.03 METHODS OF CONSTRUCTION

After the Subgrade has been established to the appropriate lines and grades with 6” of 3/4” clean stone, it shall be mechanically compacted and inspected by the Landscape Architect or his representative. No walls shall be installed until the Subgrade has been approved. All excess materials will be disposed of at the expense of the contractor.

Install modular block units as per the plans and details, and in accordance with manufacturer’s specifications. Cap stones shall be used for all top courses. Caps shall be secured with a high strength, flexible concrete adhesive.

14.04 MEASUREMENT AND PAYMENT

Payment shall be per square foot of modular block retaining wall installed, as measured in place at the price bid in the proposal, and shall include all necessary labor, materials, supplies, design plan, reinforcement, drainage, necessary excavation, restoration including topsoil, seeding, mulching, disposal and backfilling.

Pay Item

Pay Unit

MODULAR BLOCK RETAINING WALL,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)

SQUARE FOOT

Section 513
LANDSCAPE TIMBER RETAINING WALL,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)
(ITEM # 15)

15.01 DESCRIPTION

This item shall be for the construction of landscape timber retaining walls, as shown on the plans, and or as directed by the Engineer. Also to include the excavation, foundation preparation, furnishing and placing leveling pad, landscape timber, spikes, reinforcing bar, subdrain, porous backfill material for subdrain, engineering fabric for subdrain, tieback, suitable backfill material, compaction, shoring, and topsoil & seed restoration as necessary.

It is contractor’s responsibility to submit construction plan and detail for construction of landscape timber retaining wall to engineer for review and approval prior to construction. Plan and details for construction of landscape timber retaining wall shall be at the contractor’s cost and without additional charge to the Township.

If retaining wall(s) is 4 feet and higher the contractor is responsible to provide signed and sealed design plan(s) prepared by New Jersey licensed Engineer without any additional cost to Township.

15.02 MATERIALS

Minimum 6 inch by 6 inch (nominal) pressure-treated landscape timber rated for ground contact or other size if approved by engineer. Ensure timbers are straight, solid, have at least three good sides, and are free of visible dry rot, with only a minor amount of splitting or cracking. Ensure all timbers used in wall have the same cross-sectional area. Provide 3/8 inch diameter galvanized spikes, 10 to 12 inches long. The contractor shall submit the catalog cuts for timber blocks for engineer’s approval.

15.03 METHODS OF CONSTRUCTION

After the Subgrade has been established to the appropriate lines and grades with 6” of 3/4” clean stone, it shall be mechanically compacted and inspected by the Landscape Architect or his representative. No walls shall be installed until the Subgrade has been approved. All excess materials will be disposed of at the expense of the contractor. Install subdrain behind the first course of retaining wall. Place porous backfill material around the subdrain to a minimum cover of 3 inches, and ensure a trench width of at least 8 inches. Wrap porous backfill material with engineering fabric. Ensure positive drainage on subdrain, and outlet subdrains into a storm sewer or along a slope at an elevation lower than the lowest point in the pipe behind the wall. Lay first course of timbers horizontally, ensuring timbers are level. Set back each succeeding course 1/2 inch. Secure each course to the course below it using spikes placed 2 feet from each joint and spaced at no more than 4 feet. Drill pilot holes in timbers to facilitate installation of spikes. Stagger vertical joints so no joint is located closer than 2 feet to a joint in the course below it. Install tiebacks with length equal to the wall height, perpendicular to the wall face, spaced at 8 feet. Stagger location of tieback on each course. Do not install tiebacks in bottom three courses or upper two courses of timbers. Ensure the end of the tieback is flush with the front of the retaining wall. Attach tieback to course below it using a spike. After each course is laid, place backfill material behind the wall and compact with hand tools to a density equal to or greater than the existing soil behind the wall. Overall wall height is limited to 4 feet.

15.04 MEASUREMENT AND PAYMENT

Payment shall be per square foot of landscape timber retaining wall installed, as measured in place at the price bid in the proposal, and shall include construction plan and details, all necessary labor, materials, supplies, design plan, necessary excavation, leveling pad, subdrain, drain pipe, engineering fabric for subdrain, tieback, connection to storm sewer, suitable backfill material, shoring, backfilling, restoration topsoil, seed and mulch.

Pay Item

Pay Unit

LANDSCAPE TIMBER RETAINING WALL,
COMPLETE IN PLACE ,
(IF & WHERE DIRECTED)

SQUARE FOOT

Section 513
CONCRETE MASONRY BLOCK RETAINING WALL,
COMPLETE IN PLACE (IF & WHERE DIRECTED)

(ITEM # 16)**16.01 DESCRIPTION**

This item shall be for the construction of concrete masonry block retaining walls, to match existing remaining concrete block wall, as shown on the plans, and or as directed by the Engineer. Also to include the excavation, foundation preparation, furnishing and placing leveling pad, footings, forms, reinforcing bar, subdrain, porous backfill material for subdrain, engineering fabric for subdrain, geogrid, caps, suitable backfill material, compaction, shoring, cement plaster, and topsoil & seed restoration as necessary.

It is contractor's responsibility to submit construction plan and detail for construction of concrete masonry block retaining wall to engineer for review and approval prior to construction. Plan and details for construction of concrete masonry block retaining wall shall be at the contractor's cost without additional charge to the Township.

If retaining wall(s) is 4 feet and higher the contractor is responsible to provide signed and sealed design plan(s) prepared by New Jersey licensed Engineer without any additional cost to Township.

16.02 MATERIALS

Concrete block masonry shall comply with the following:

A. Concrete masonry shall conform to ASTM C-90, Grade N.

B. Mortar shall be Type S.

C. Grout all cells with 2,000 psi Portland cement grout.

The contractor shall submit the catalog cuts for timber blocks for engineer's approval.

16.03 METHODS OF CONSTRUCTION

Reinforcement shall be placed prior to inspection and grouting. All reinforcement shall be free from loose rust and other coatings that would inhibit reinforcing bond, and shall be secured against displacement prior to the placement of concrete or grouting. Reinforcing steel shall, be intermediate grade ASTM A615-40.

All reinforcing steel shall be a minimum of three (3) inches from earth/soil/dirt in order to provide a minimum of three (3) inches of concrete cover.

Provide retaining wall drainage system consisting of 1 CF/FT of clean course gravel with 4" diameter perforated PVC drainage pipe with 1% gradient to drain. (Optional: Instead of drainage piping, the head joints in the 1st course may be omitted for weep holes. 1 CF/FT of clean course gravel is still required.)

Footings shall be level. All excavations shall be clean and contain no loose earth or other foreign materials. Concrete used in the footings shall, as a minimum, have a compressive strength of 2,500 psi at 28 days.

The initial bed joint thickness shall not be less than 1/4 inch nor more than 1 inch; subsequent bed joints shall be not less than 1/4 inch nor more than 5/8 inch in thickness.

All head and bed joints shall be filled solidly with mortar for a distance in from the face of the unit not less than the thickness of the shell. (If required, head joints may be omitted in the first course for weep holes.) Prior to grouting, the grout space shall have vertical continuity and shall be clean so that all spaces to be filled with grout do not contain mortar projections greater than 1/2 inch, mortar droppings or other foreign material. Cleanouts shall be provided for all grout pours over 5 feet in height. Where required,

cleanouts shall be provided in the bottom course at every vertical bar and shall be sealed after inspection and before grouting.

Type & color of block and/or cement plaster finish shall match and/or be compatible with the remaining of existing wall.

All materials shall be stored in a manner such that deterioration or intrusion of foreign materials is prevented and that the material will be capable of meeting applicable requirements at the time of mixing or placement. Masonry materials shall be stored so that at the time of use the materials are clean and structurally suitable for the intended use. Concrete masonry units shall not be wetted unless otherwise approved.

16.04 MEASUREMENT AND PAYMENT

Payment shall be per square foot of construction of concrete masonry block retaining wall installed, as measured in place at the price bid in the proposal, and shall include construction plan and details, all necessary labor, materials, supplies, design plan, necessary excavation, caps, leveling pad, subdrain, drain pipe, engineering fabric for subdrain, geogrid, connection to storm sewer, cement plaster, suitable backfill, material, shoring, backfilling, restoration topsoil, seed and mulch.

Pay Item

CONCRETE MASONRY BLOCK RETAINING WALL,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)

Pay Unit

SQUARE FOOT

DIVISION 600

Section 601

8", 6" and 4" P.V.C., SCH. 35 , STORM SEWER , W/CLEAN-OUT

COMPLETE IN PLACE
(IF & WHERE DIRECTED
(ITEM #17, #18, and #19

601.01 DESCRIPTION

This item shall include all necessary labor, materials and supplies to install P.V.C., Sch. #35 Pipe, Storm Sewer, (if & where needed and as directed by the Engineer) for sump pump, drainage and or roof leader discharges. Excavation, backfill and restoration shall be included in the price bid.

601.02 MATERIALS

P.V.C. Storm Sewer shall be Schedule #35. Polyvinyl chloride (PVC) drainage pipe shall conform to ASTM D 2729.

601.03 METHODS OF CONSTRUCTION

No pipe shall be backfilled until inspected by the Engineer or his authorized representative. Pipe laying shall conform to Section 601 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

Backfilling shall be compacted to 95% density at optimum moisture content. Backfill shall be mechanically compacted in 1’ lifts.

Excavation shall be “Unclassified Excavation “as defined in Section 202.03.03 of the N.J.D.O.T. Standard Specifications, 2019, as amended. Surplus materials shall be disposed of at the expense of the contractor.

601.04 MEASUREMENT AND PAYMENT

Payment for P.V.C., Sch. #35, Storm Sewer with cleanout shall be per linear foot of P.V.C. Storm Sewer, (if & where needed and as directed by the Engineer), installed at the price bid in the Proposal and shall include all excavation, labor, materials, couplings, elbows, wyes, tees, 2-way tees, fittings, adapters, reducers, connections, plugs, glue, covers, rebar, strap for detection, connections to inlets, clean stone, backfilling, compaction, restoration, including topsoil, seeding and mulching.

<i>Pay Item</i>	<i>Pay Unit</i>
17 8 INCH PVC, SCHEDULE 35 STORM SEWER W/CLEANOUT COMPLETE IN PLACE (IF & WHERE DIRECTED)	LINEAR FOOT
18 6 INCH PVC, SCHEDULE 35 STORM SEWER W/CLEANOUT COMPLETE IN PLACE (IF & WHERE DIRECTED)	LINEAR FOOT
19 4 INCH PVC, SCHEDULE 35 STORM SEWER W/CLEANOUT COMPLETE IN PLACE (IF & WHERE DIRECTED)	LINEAR FOOT

POP-UP DRAINAGE EMITTER
COMPLETE IN PLACE (IF & WHERE DIRECTED)
(ITEM # 20)

20.01 DESCRIPTION

This work shall consist of the installation of Pop-Up Drainage Emitter to existing or new drain or sump pump discharge pipes and to allow water to be diverted and released to water-safe areas away from structures, sidewalks, curbs, roadways, poor drainage areas, and erosion-prone landscapes. The Pop-Up Emitter shall be constructed so not to allow water to discharge onto sidewalks, roadway, curbs and any areas within Township Right-of-Way. It shall be constructed within twelve (12) feet from sidewalk, within twenty (20) feet minimum from curb, or as directed by engineer. The emitter shall be spring loaded and open under minimal hydrostatic pressure from water through upstream drainage or discharge pipe(s) and shall open with even the smallest flow. Also, it should be closed during dry weather, debris and rodents cannot enter the drain pie(s). The contractor shall secure the pop-up emitter including pipes and elbows by glue and or screw(s) as recommended by manufacturer to prevent potential dislocation.

20.02 MATERIALS

The Pop Up Emitter shall be 3”, 4”, or 6” in sizes to fit existing or new drain or sump pump discharge pipes, spring-loaded, with UV inhibitor, 40 GPM capacity, 0.04 psi or 1” of head to rise top.

Shall include 3”, 4”, or 6” in sizes to fit existing or new drain or sump pump discharge pipes, 90 degree elbow with ¼” drain hole.

20.03 MEASUREMENT AND PAYMENT

Payment shall be per unit of the Pop Up Drainage Emitter, as measured in place at the price bid in the Proposal and shall include all necessary labor, materials, supplies, elbows, fittings, adapters, reducers, connections, crushed stone, excavation, removal of existing drain pipe between new pop up emitter and previous point of discharge, disposal, backfilling, site restoration, topsoil, seeding and mulching.

Measurement and payment will be made under:

<i>Pay Item</i>	<i>Pay Unit</i>
Pop Up Drainage Emitter Complete in Place, (If & Where Directed)	UNIT

**DIVISION 600
SECTION 652**

**SANITARY SEWER / CLEANOUT RELOCATION
COMPLETE IN PLACE (IF & WHERE DIRECTED)
(ITEM # 21)**

21.01 DESCRIPTION

If existing sanitary sewer cleanout is in conflict with proposed construction, unavoidable, the contractor shall perform sanitary sewer cleanout relocation necessary to construct new improvements, or as directed by Engineer. This work shall consist of the removal of existing material but not limited to cleanout, sewer piping, connecting to existing house lateral pipe, and constructing of new cleanout. Where service connection is not being immediately reconnected, plug the existing service to provide a watertight seal. The contractor shall maintain uninterrupted wastewater flow from each existing service connection, and provide a temporary service bypass connection when necessary. Construct sanitary sewer cleanout so that it is watertight, according to manufacturer’s recommendations and utility’s standards. The Contractor shall backfill as shown on the details or as directed by the Engineer. The cleanout shall be flush with the finished grade elevation. The Contractor Is responsible for permit, inspections, and testing if required at no cost to the Town.

21.02 MATERIALS

All materials shall be in accordance with the N.J.D.O.T. Standard Specifications, 2019, as amended.

21.03 MEASUREMENT AND PAYMENT

Payment shall be per linear foot of cleanout pipe, as measured in place at the price bid in the Proposal and shall include all necessary labor, excavation, removal and disposal of existing material, temporary bypass, materials, supplies, connection to existing house lateral pipe, piping, wye, wye saddle, tees, elbows, fittings, adaptors, reducers, connections, plug, seal, covers, crushed stone, clean stone, backfilling, site restoration, topsoil, seeding and mulching.

Measurement and payment will be made under:

<i>Pay Item</i>	<i>Pay Unit</i>
Sanitary Sewer / Cleanout Relocation Complete in Place, (If & Where Directed)	Linear Foot

**DIVISION 600
Section 601**

**15” REINFORCED CONCRETE PIPE , CLASS III,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)
(ITEM #22)**

22.01 DESCRIPTION

This item shall include all necessary labor, materials and supplies to install 15” reinforced concrete pipe, class III, to the lines and grades as shown on the plans or as directed by Engineer. Excavation and backfilling shall be included in the price bid.

22.02 MATERIALS

15” Reinforced concrete pipe shall be “Class III”, “Wall B” in accordance with Article of the N.J.D.O.T. Standard Specifications, 2019 as amended.

22.03 METHODS OF CONSTRUCTION

Pipe shall be bedded on 3/4” clean stone. No pipe shall be backfilled until inspected by the Engineer or his authorized representative. Pipe laying shall conform to Article 601 of the N.J.D.O.T. Standard Specifications, 2019, as amended. Backfilling shall be compacted to 95% density at optimum moisture content. Backfill shall be mechanically compacted in 6’ lifts. Excavation shall be “Unclassified Excavation “as defined in Article 202 of the N.J.D.O.T. Standard Specifications, 2019, as amended.

Surplus materials shall be disposed of at the expense of the contractor.

Note: If utility pipes, valves, hydrants, etc., need to be moved because of the conflict with new pipe then the contractor shall contact and schedule relocation by respective utility company at no additional charge to the Township.

22.04 QUANTITY AND PAYMENT

Payment for reinforced concrete pipe shall be per linear foot of 15” R.C.P., Class III, installed at the price bid in the Proposal and shall include all labor, material, saw cutting, excavation, disposal of excess excavation, materials, connections to inlet and pipe, backfilling, bedding, dense graded aggregate, compaction, topsoil, seed and mulch.

Pay Item

15” REINFORCED CONCRETE PIPE CLASS III ,
COMPLETE IN PLACE,
(IF & WHERE DIRECTED)

Pay Unit

LINEAR FOOT

SECTION 602

**REMOVE EXISTING “B” INLET AND CONSTRUCT NEW TYPE “B” INLET,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)
(ITEM #23)**

602.01

DESCRIPTION

This item shall include all necessary layout, labor, materials, disposal, and supplies to remove existing inlet and construct new standard inlets type “B”, as shown on plan, details, or as directed by Engineer. All new inlet grates shall be bicycle safe grates and existing grate shall be put aside and safely returned to the Piscataway Public Works yard on 505 Sidney Road. All new inlet frames shall be Campbell Foundry, Type “N” or

Approved Equal.

602.02 **MATERIALS**

Materials shall be as shown on the details sheet and in accordance with Section 602 of the N.J.D.O.T Standard Specifications, 2019, as amended.

602.03 **CONSTRUCTION**

Inlets are to be constructed to the extent to conform to the plans or as directed by Engineer. Invert and grate elevations shall be same as existing inlet or as directed by Engineer. Block(s) removed for installation may not be used again, unless approved by the Engineer.

602.04 **MEASUREMENT AND PAYMENT**

Payment for removal of existing type “B” inlet and construction of new inlet, Type B, shall be per unit, constructed in place, and shall include layout, all excavation, removal, disposal, labor, materials, bicycle safe grates, castings, pipe, extensions, joins, couplings, supplies, backfilling, compaction, topsoil and seed, and restoration as directed by the Engineer at the price bid in the Proposal.

Pay Item

Pay Unit

REMOVE EXISTING “B” INLET AND
CONSTRUCT NEW TYPE “B” INLET,
COMPLETE IN PLACE

UNIT

SECTION 602
RECONSTRUCT INLET, USING NEW CASTINGS,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)
(ITEM #24)

602.01 **DESCRIPTION**

This item shall include all necessary layout, labor, materials, disposal, and supplies to reconstruct inlet into new standard inlet as shown on plan, details, or as directed by Engineer. All new inlet grates shall be bicycle safe grates and existing grate shall be put aside and safely returned to the Piscataway Public Works yard on 505 Sidney Road. All new inlet frames shall be Campbell Foundry, Type “N” or Approved Equal.

602.02 **MATERIALS**

Materials shall be as shown on the details sheet and in accordance with Section 602 of the N.J.D.O.T Standard Specifications, 2019, as amended-

602.03 **METHOD OF CONSTRUCTION**

Inlets reconstructed shall be adjusted to conform to the grades of roadway and mortared in place, shall be reconstructed to facilitate new pipe connections.

602.04 **MEASUREMENT AND PAYMENT**

Payment for reconstructed inlet shall be per unit, reconstructed in place, and shall include all excavation, labor, materials, bicycle safe grate, casting, supplies, backfilling, topsoiling, seeding, and site restoration.

<i>Pay Item</i>	<i>Pay Unit</i>
RECONSTRUCT INLET, USING NEW CASTINGS, COMPLETE IN PLACE	UNIT

Section 606

CONCRETE SIDEWALK, 4” THICK, COMPLETE IN PLACE
(IF & WHERE DIRECTED)
(ITEM #25)

25.01 DESCRIPTION

This work shall consist of the construction of concrete sidewalks 4 inches thick as set forth schedule of work. This work will conform with Part A. & Part B. above and to the NJDOT Standard Specifications – 2019, SECTION 606 – SIDEWALKS, DRIVEWAYS AND ISLANDS amended and supplemented herein by these specifications.

25.02 MATERIALS

Concrete for sidewalks shall conform to Section 903 of the NJDOT Standard Specifications – 2019. **Concrete shall be Class B 7% air entrained** as specified in Section 903.03.06 and shall attain a compressive strength of 4,500 p.s.i. at 28 days. Expansion joint material shall be pre-molded bituminous material as specified in the Specifications in Section 914.01. Other materials shall conform to the following Subsections:

Soil Aggregate	901.06
Curing Materials	903.10

Preformed Expansion Joint Filler.....914.01

25.03 CONSTRUCTION

25.03.01 Excavation and Backfilling.

Excavation shall be according to Section 202.03.03. Immediately after removing the side forms, the spaces along the edges of sidewalks and driveways shall be backfilled with suitable material. This material shall be placed in layers not exceeding 5 inches in loose thickness and shall be compacted until firm.

Existing sidewalk shall be saw cut where directed by the Engineer.

25.03.02 Preparation of Underlying Materials.

The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with acceptable material that shall be compacted.

25.03.03 Installing Concrete

- 1. Mixing and Placing Concrete.** Immediately before placing the concrete the underlying material shall be thoroughly dampened; and the forms given a coating of light oil. Where removed and used again, the forms shall be thoroughly cleaned and oiled each time before using. Mechanical spreaders are not required.
- 2. Finishing.** The concrete shall be struck off with a transverse template resting upon the side forms. After the concrete has been struck off to the required cross-section, it shall be finished with floats and straightedges until a smooth surface has been obtained.

When the surface of the concrete is free from water and just before the concrete attains its initial set, the surface shall be gone over and finished with a wooden float and brushed with a wet, soft-haired brush. The surface of the concrete shall be so finished as to drain completely at all times. All edges shall be finished and rounded with an edging tool having a radius of $\frac{1}{4}$ inch.

The surface shall be divided into blocks by use of a grooving tool. Grooves shall be so placed as to cause expansion joints to be placed at a groove line. The grooves shall be cut to a depth of not less than $\frac{1}{2}$ inch. The edges of the grooves shall be finished with an edging tool having a radius of $\frac{1}{4}$ inch.

- 3. Expansion Joints.** Expansion joints shall be $\frac{1}{2}$ inch wide, placed at intervals of 8 feet, and shall be filled with preformed expansion-joint filler. Open expansion joints using $\frac{1}{4}$ inch thick plates and full depth of concrete shall be installed at 8 feet intervals. All other joints shall be grooved as described above. Expansion joints shall be formed around all appurtenances such as manholes and utility poles extending into or through the concrete. Preformed expansion joint filler,

¼ inch thick, shall be installed in these joints. Expansion joint filler shall be installed between concrete and any fixed structure, such as a building or bridge. The expansion joint material shall extend for the full depth.

The top and ends of expansion joint material shall be cleaned of concrete, and the expansion joint material shall be so trimmed as to be slightly below the surface of the concrete.

- 4. Protection and Curing.** Forms may be removed when removal does not damage the concrete. No pressure shall be exerted upon the concrete when removing forms. Protection during cold weather and curing shall be according to Subsection 504.03.02.C.1.

For additional protection against scaling from freeze-thaw and deicing materials, the concrete must be protected with a commercially available silane or siloxane-based breathable concrete sealer or water repellent specifically designed for concrete slabs such as Silox-Seal manufactured by Amteco, Inc. located at 1841 F Marietta Blvd., Atlanta, GA 30318, telephone number 800 297 7325 or approved equal. The manufacturer's recommendations must be followed for application procedures and frequency. Prior to use of the sealer, the contractor must provide technical information on the product to be used for approval by the Director.

Pedestrians will not be permitted upon concrete sidewalks until 24 hours after finishing concrete. Vehicles or loads shall not be permitted on any sidewalk. Such barricades and protection devices as are necessary shall be constructed and placed to keep pedestrians off the sidewalk.

Any concrete public sidewalk curb ramps damaged before acceptance shall be repaired by removing concrete within groove limits and replacing it with concrete of the type and finish as is in the original construction. Damage caused by construction operations or cold weather shall be repaired without additional compensation.

COMPENSATION

25.04 MEASUREMENT AND PAYMENT

Concrete Sidewalk, 4" thick, will be measured by the square yard.

Unit price for this item shall include saw cut, all necessary excavation, removal and disposal of the existing defective concrete public sidewalk, all labor, materials and equipment necessary for the construction of the concrete public sidewalk, root cutting and all necessary backfill, concrete sealer or water repellent, and shall include all site and lawn restoration required, including 4 inches minimum of screened topsoil, seed mix, and mulch, as approved by the Township Engineer.

Payment will be made per square yard of acceptable concrete public sidewalk constructed, complete in place as measured in the field. Acceptable material tickets are required prior to payment. Payment will be made under:

Pay Item

Pay Unit

CONCRETE SIDEWALK, 4” THICK W/SEALER,
COMPLETE IN PLACE,
(IF & WHERE DIRECTED)

SQUARE YARD (SY)

Section 606

CONCRETE DRIVEWAY, APRON, 6” THICK, COMPLETE IN PLACE
(IF & WHERE DIRECTED)
(ITEM #26)

26.01 DESCRIPTION

This item shall consist of the removal and the construction of concrete driveway, apron and driveway sidewalk 6 inches thick, as needed on the schedule of work and as directed by the Township Engineer. This item shall include saw cut where directed, disposal of existing driveway material, backfilling and compaction of the area to receive the new concrete.

26.02 MATERIALS

Concrete driveway shall be constructed of Portland Cement Concrete and shall be Class B 7% air entrained as specified in Section 903.03.06 and shall attain a compressive strength of 4,500 p.s.i. at 28 days. **Class E 7% air entrained concrete** with a three day compressive strength of 3,000 p.s.i. is to be used if automobiles are to cross the driveways within three days. Expansion joint material shall be pre-molded bituminous material as specified in the Specifications in Section 914.01. Other materials shall conform to the following Subsections:

Soil Aggregate	901.06
Curing Materials	903.10
Preformed Expansion Joint Filler	914.01

26.03 CONSTRUCTION

26.03.01 Excavation and Backfilling

Excavation shall be according to Section 202. Immediately after removing the side forms, the spaces along the edges of the driveways shall be backfilled with suitable material. This material shall be placed in layers not exceeding 5 inches in loose thickness

and shall be compacted until firm. Before pouring, the sub grade shall be mechanically compacted and approved by the Director. No concrete driveway shall be installed until the sub grade has been approved.

26.03.02 Preparation of Underlying Materials.

The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with acceptable material that shall be compacted.

- 1. Mixing and Placing Concrete.** Immediately before placing the concrete, the underlying material shall be thoroughly dampened and the forms given a coating of light oil. Where removed and used again, the forms shall be thoroughly cleaned and oiled each time before using. Mechanical spreaders are not required. 6X6 number 6 welded wire mesh shall be installed evenly throughout the area to receive concrete with a minimum setback of 2 inches from the edge of concrete. A minimum of a 6 inch overlap of the mesh tied with steel wire at one foot intervals is required when factory lengths are not sufficient to cover the entire area in one continuous length of fabric. The wire mesh shall be installed with 2 inch cover of concrete where the concrete meets the ground surface.

- 2. Finishing.** The concrete shall be struck off with a transverse template resting upon the side forms. After the concrete has been struck off to the required cross-section, it shall be finished with floats and straightedges until a smooth surface has been obtained.

When the surface of the concrete is free from water and just before the concrete attains its initial set, the surface shall be gone over and finished with a wooden float and brushed with a wet, soft-haired brush. The surface of the concrete shall be so finished as to drain completely at all times. All edges shall be finished and rounded with an edging tool having a radius of ¼ inch.

The surface shall be divided into blocks by use of a grooving tool. Grooves shall be so placed as to cause expansion joints to be placed at a groove line. The grooves shall be cut to a depth of not less than ½ inch. The edges of the grooves shall be finished with an edging tool having a radius of ¼ inch.

- 3. Expansion Joints.** Expansion joints shall be ½ inch wide, placed at intervals of 8 feet, and shall be filled with preformed expansion-joint filler. Open expansion joints using ¼ inch thick plates and full depth of concrete shall be installed at 8 feet intervals. Expansion joints shall be formed around all appurtenances such as manholes and utility poles extending into or through the concrete. All other joints shall be grooved as described above. Preformed expansion joint filler, ¼ inch thick, shall be installed in these joints. Expansion joint filler shall be installed between concrete and any fixed structure, such as a building or bridge. The expansion joint material shall extend for the full depth.

The top and ends of expansion joint material shall be cleaned of concrete, and the expansion joint material shall be so trimmed as to be slightly below the surface of the concrete.

- 4. Protection and Curing.** Forms may be removed when removal does not damage the concrete. No pressure shall be exerted upon the concrete when removing forms. Protection during cold weather and curing shall be according to Subsection 504.03.02C1.

For additional protection against scaling from freeze-thaw and deicing materials, the concrete must be protected with a commercially available silane or siloxane-based breathable concrete sealer or water repellent specifically designed for concrete slabs such as Silox-Seal manufactured by Amteco, Inc. located at 1841 F Marietta Blvd., Atlanta, GA 30318, telephone number 800 297 7325 or approved equal. The manufacturer's recommendations must be followed for application procedures and frequency. Prior to use of the sealer, the contractor must provide technical information on the product to be used for approval by the Director.

Pedestrians will not be permitted upon concrete driveways until 24 hours after finishing concrete. Automobiles shall not be permitted on any driveways until compression strength of 3,000 PSI. is attained (See Materials above).

Such barricades and protection devices as are necessary shall be installed strategically to keep pedestrians off the driveways.

Any concrete driveway damaged before acceptance shall be repaired by removing concrete within groove limits and replacing it with concrete of the type and finish as is in the original construction. Damage caused by construction operations or cold weather shall be repaired without additional compensation.

26.04 MEASUREMENT AND PAYMENT

Payment shall be per square yard of concrete driveway, apron, sidewalk within driveway, 6 inches thick with welded wire mesh to include the removal and disposal of existing driveway material.

Install Concrete Driveway, Sidewalks within Driveways, and Aprons 6 Inches Thick shall consist of all labor, equipment and material necessary to install this item as described above and as measured in the field. The unit price shall also include saw cut, welded wire mesh, disposal of the removed existing driveway surface and construction debris, restoration of disturbed areas, restoration of driveway edging including block and timber or any material along driveway, cleanup, concrete sealer or water repellent, and all site and lawn restoration as required, including 4 inches minimum of screened topsoil, seed mix, and mulch, as approved by the Engineer. Payment will be made under:

Pay Item

Pay Unit

CONCRETE DRIVEWAY, APRON, 6” THICK W/SEALER,
COMPLETE IN PLACE,
(IF & WHERE DIRECTED)

SQUARE YARD (SY)

Section 606

**BITUMINOUS (HOT MIX ASPHALT) DRIVEWAY APRON, 4” THICK,
COMPLETE IN PLACE, (IF & WHERE DIRECTED)
(ITEM #27)**

27.01 DESCRIPTION

This work shall consist of the reconstruction of bituminous (HMA) driveway aprons, if & where directed, and the removal and disposal of existing bituminous (HMA) driveway apron material as applicable.

This work will conform with Part A & Part B above and to the NJDOT Standard Specifications – 2019, SECTION 401 – HOT MIX ASPHALT (HMA) COURSES as amended and supplemented herein by these specifications.

28.02 MATERIALS

27.02.01 Materials

Provide materials as specified.

Hot Mix Asphalt (HMA) Courses specifically Stabilized Base Course HMA 19M64 and Surface Course Mix HMA 9.5M64 shall be used for base course and top course respectively for driveway aprons. Other materials shall conform to the following Subsections:

Tack Coat 64-22, PG 64-22.....	902.01.01
Aggregate.....	901.05
Prime Coat:	
Cut-back Asphalt, Grade MC-30 or MC-70.....	902.01.02
Tack Coat:	
Cut-back Asphalt, Grade RC-70.....	902.01.02
Emulsified Asphalt, Grade RS-1, SS-1, or SS-1h, Grade CSS-1 or CSS-1h.....	902.01.03

Dense-graded aggregate for base course used with HMA driveway apron shall conform to Subsection 901.10.

27.03 CONSTRUCTION**27.03.01 Excavation and Backfilling.**

Excavation shall be according to Section 202. Immediately after removing the side forms, the spaces along the edges of curbs and saw-cut driveway apron shall be backfilled with Dense Graded Aggregate, and shall be compacted until firm.

27.03.02 Preparation of Underlying Materials.

The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with Dense Graded Aggregate that shall be compacted. The final grade shall accommodate 4" of hot mix asphalt installed as herein described.

27.03.04 Bituminous Driveway Aprons.

Bituminous driveway aprons shall consist of a HMA 2" surface on a 2" base course and be constructed according to Section 606.03.01.

1. **Base Course.** NJDOT Stabilized Base Course HMA 19M64, 2" thick is to be used for reconstructing driveway aprons.
2. **Surface Course.** NJDOT Surface Course Mix HMA 9.5M64, 2" thick shall be used for the surface course with care not to damage new curbing when applied according to Section 606.03.01.

27.04 MEASUREMENT AND PAYMENT

Bituminous driveway aprons, 4" thick, will be measured by the square yard.

27.05 Basis of Payment.

Unit price for this item shall include saw cut, all necessary excavation, removal and disposal of the existing defective bituminous material, all labor, materials and equipment necessary for the reconstruction of the bituminous (HMA) driveway aprons, where required, replacement of disturbed pavement, where applicable, restoration of driveway edging including block and timber or any material along driveway, root cutting and all necessary backfill, and shall include all site and lawn restoration required, including 4 inches minimum of screened topsoil and seed mix as approved by the Engineer.

Payment will be made per square yard of acceptable HMA driveway apron reconstructed, complete in place as measured in the field. Acceptable material tickets are required prior to payment. Payment will be made under:

*Pay Item**Pay Unit*

BITUMINOUS (HOT MIX ASPHALT) DRIVEWAY APRON,
4" THICK, COMPLETE IN PLACE

(IF & WHERE DIRECTED)

SQUARE YARD (SY)

Section 606
HOT MIX ASPHALT DRIVEWAY, 4” THICK,
COMPLETE IN PLACE, (IF & WHERE DIRECTED)
(ITEM #28)

28.01 DESCRIPTION

This item shall consist of the construction and / or repair of all bituminous driveways 4” thick, as shown on the plans and where directed by the Engineer. Also to include disposal of material, backfilling and compaction of the area excavated.

28.02 MATERIALS

Materials shall conform to the N.J.D.O.T. Standard Specifications, 2019, as amended.

28.03 METHODS OF CONSTRUCTION

All bituminous driveways shall be saw cut where directed by the Engineer. Subgrade material shall be firmly compacted with the minimum ten-ton roller.

28.04 MEASUREMENT AND PAYMENT

Payment shall be per square yard of hot mix asphalt driveway 4” thick, at the price bid in the Proposal, and shall include saw cut, all necessary excavation, removal and disposal of the existing bituminous material, all necessary labor, materials, supplies, and any necessary backfilling, lawn restoration, restoration of driveway edging including block and timber or any material along driveway, topsoil, seeding, and mulching.

Pay Item

Pay Unit

HOT MIX ASPHALT DRIVEWAY,
4” THICK, COMPLETE IN PLACE
(IF & WHERE DIRECTED)

SQUARE YARD (SY)

PAVER DRIVEWAY APRON, 4” THICK,
COMPLETE IN PLACE (IF & WHERE DIRECTED)
(ITEM #29)

29.01 DESCRIPTION

This item shall consist of the construction and/or repair of all paver driveways, 4” thick, as shown on the detail and where directed by the Engineer. Also to include disposal of material, backfilling and compaction of the area excavated.

29.02 MATERIALS

Materials shall conform to the N.J.D.O.T. Standard Specifications, 2019, as amended.

29.03 METHODS OF CONSTRUCTION

All paver driveways shall be removed and/or replaced where directed by the Engineer. Subgrade material shall be firmly compacted with the minimum ten-ton roller.

29.04 MEASUREMENT AND PAYMENT

Payment shall be per square foot of paver driveway, 4” thick, at the price bid in the Proposal, and shall include all necessary labor, materials, disposal, supplies, and any necessary backfilling, lawn restoration, restoration of driveway edging including block and timber or any material along driveway, topsoil, seeding, and mulching.

Pay Item

Pay Unit

PAVER DRIVEWAY APRON,
4” THICK, COMPLETE IN PLACE
(IF & WHERE DIRECTED)

SQUARE FOOT (SF)

Section 606
CONCRETE PUBLIC SIDEWALK CURB RAMP, 4” THICK, COMPLETE IN
PLACE
(IF & WHERE DIRECTED)
(ITEM #30)

30.01 DESCRIPTION

This work shall consist of the construction of concrete public sidewalk curb ramps 4 inches thick as set forth on the plans. Public sidewalk curb ramps must comply with ADA standards as promulgated by the Code of Federal Regulations ADA Standards for Accessible Design. This work will conform with Part A. & Part B. above and to the NJDOT Standard Specifications – 2019, SECTION 606 – SIDEWALKS, DRIVEWAYS AND ISLANDS amended and supplemented herein by these specifications.

Where public sidewalk curb ramps in compliance with ADA standards are to be installed the ramp shall be prepared to receive a 2 feet deep by 4 feet wide detectable warning surface constructed of pre-molded tile truncated domes as shown in the detail plan.

MATERIALS

30.02 Materials.

Concrete for public sidewalk curb ramps shall conform to Section 903 of the NJDOT Standard Specifications – 2019. Portland cement concrete shall conform to (NJDOT) Section 903 using **Class B 7% air entrained concrete**, except that concrete curb at driveways shall attain strength of not less than 3,000 pounds per square inch in three days (4500 PSI-28 Days). Other materials shall conform to the following Subsections:

Soil Aggregate	901.06
Curing Materials	903.10
Preformed Expansion Joint Filler	914.01

CONSTRUCTION

30.03 Excavation and Backfilling.

Excavation shall be according to Section 202. Immediately after removing the side forms, the spaces along the edges of sidewalks and driveways shall be backfilled with suitable material. This material shall be placed in layers not exceeding 5 inches in loose thickness and shall be compacted until firm.

Existing concrete sidewalk shall be saw cut where directed by the Engineer.

30.03.01 Preparation of Underlying Materials.

The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with acceptable material that shall be compacted.

30.03.02 Installing Concrete

- 1. Mixing and Placing Concrete.** Immediately before placing the concrete, the underlying material shall be thoroughly dampened and the forms given a coating of light oil. Where removed and used again, the forms shall be thoroughly cleaned and oiled each time before using. Mechanical spreaders are not required.

- 2. Finishing.** The concrete shall be struck off with a transverse template resting upon the side forms. After the concrete has been struck off to the required cross-section, it shall be finished with floats and straightedges until a smooth surface has been obtained. When the surface of the concrete is free from water and just before the concrete attains its initial set, the surface shall be gone over and finished with a wooden float and brushed with a wet, soft-haired brush. The surface of the concrete shall be so finished as to drain completely at all times. All edges shall be finished and rounded with an edging tool having a radius of ¼ inch. The surface shall be divided into blocks by use of a grooving tool. Grooves shall be so placed as to cause expansion joints to be placed at a groove line. The

grooves shall be cut to a depth of not less than ½ inch. The edges of the grooves shall be finished with an edging tool having a radius of ¼ inch.

- 3. Expansion Joints.** Expansion joints shall be ½ inch wide, placed at intervals of 32 feet, and shall be filled with preformed expansion-joint filler. Open expansion joints using ¼ inch thick plates and full depth of concrete shall be installed at 8 feet intervals. All other joints shall be grooved as described above. Expansion joints shall be formed around all appurtenances such as manholes and utility poles extending into or through the concrete. Preformed expansion joint filler, ¼ inch thick, shall be installed in these joints. Expansion joint filler shall be installed between concrete and any fixed structure, such as a building or bridge. The expansion joint material shall extend for the full depth. The top and ends of expansion joint material shall be cleaned of concrete, and the expansion joint material shall be so trimmed as to be slightly below the surface of the concrete.
- 4. Protection and Curing.** Forms may be removed when removal does not damage the concrete. No pressure shall be exerted upon the concrete when removing forms. Protection during cold weather and curing shall be according to Subsection 504.03.02.C.1.
- 5. For additional protection against scaling from freeze-thaw and deicing materials, the concrete must be protected with a commercially available silane or siloxane-based breathable concrete sealer or water repellent specifically designed for concrete slabs such as Silox-Seal manufactured by Amteco, Inc. located at 1841 F Marietta Blvd., Atlanta, GA 30318, telephone number 800 297 7325 or approved equal. The manufacturer's recommendations must be followed for application procedures and frequency. Prior to use of the sealer, the contractor must provide technical information on the product to be used for approval by the Director.**
- 6. Permitted Use.** Pedestrians will not be permitted upon concrete sidewalks until 24 hours after finishing concrete. Vehicles or loads shall not be permitted on any sidewalk. Such barricades and protection devices as are necessary shall be constructed and placed to keep pedestrians off the sidewalk. Any concrete public sidewalk curb ramps damaged before acceptance shall be repaired by removing concrete within groove limits and replacing it with concrete of the type and finish as is in the original construction. Damage caused by construction operations or cold weather shall be repaired without additional compensation.

MEASUREMENT AND PAYMENT

30.04 Method of Measurement.

Concrete Public Sidewalk Curb Ramps 4" thick, will be measured by the square yard. This method of measurement shall not include the area set aside for detectable warning surfaces nor for curb at the base of the ramp.

30.05 Basis of Payment.

Unit price for this item shall include all necessary saw cut, excavation, removal and disposal of the existing concrete public sidewalk curb ramps, excavation, all labor, materials and equipment necessary for the construction of the concrete public sidewalk curb ramp, root cutting and all necessary backfill, concrete sealer or water repellent, and shall include all site and lawn restoration required, including 4 inches minimum of screened topsoil, seed mix, mulch, as approved by the Engineer, as required for a complete restoration.

Payment will be made per square yard of acceptable concrete public sidewalk (barrier-free) curb ramps constructed, complete in place as measured in the field. Acceptable material tickets are required prior to payment. Payment will be made under:

*Pay Item**Pay Unit*

CONCRETE PUBLIC SIDEWALK CURB RAMP, 4" THICK,
COMPLETE IN PLACE
(IF & WHERE DIRECTED)

SQUARE YARD (SY)

CAST IN PLACE DETECTIBLE/TACTILE WARNING SURFACE TILE
COMPLETE IN PLACE
(ITEM #31)

31.01 Description.

This work shall consist of installing as per manufacturer's specifications appropriately sized as per PROWAG engineered plastic tiles in concrete handicap ramps. An example of a recommended tile shall be the one manufactured by Armor-Tile, part number ADA-0-2448 in the red color, a product of Engineered Plastics located at 300 International Drive, Suite 100, Williamsville, NY 14221 or approved equal.

MATERIALS**31.02 Materials.**

Cast in Place Detectible/Tactile Warning Surface Tiles shall consist of appropriately sized as per PROWAG engineered plastic tiles specifically manufactured to be imbedded in ADA concrete handicap ramps. The tiles shall comply with the detectible warnings on walking surfaces section of the Americans with Disabilities Act (Title III Regulations, 28 CFR Part 36 ADA STANDARDS FOR ACCESSIBLE DESIGN, appendix A, Section 4.29.2 DETECTIBLE WARNINGS ON WALKING SURFACES). The Vitrified Polymer Composite (PVC) tiles shall be an epoxy polymer composition with an ultra violet stabilized coating employing aluminum oxide particles in the truncated domes.

CONSTRUCTION

31.03 Construction

The concrete shall be poured with a 4-7 inch slump and finished true and smooth to the required dimensions and slope prior to the tile placement. The tile shall be immediately placed square and true adjacent to the curb edge. The Cast in Place Detectible/Tactile Warning Surface Tiles shall be tamped (or vibrated) into the fresh concrete to ensure that the field level of the tile is flush to the adjacent concrete surface. The embedment process shall not be accomplished by stepping on the tiles as this may cause uneven setting which can result in air voids under the tile surface. The tile field level (base of the truncated domes) shall be flush with the adjacent concrete surfaces to permit proper water drainage and eliminate tripping hazards between different adjacent finishes. No concrete is to be removed in the area where the tile is to be placed. Voids in the tile are meant to be filled thoroughly so that the tile is firmly imbedded in the concrete.

While the concrete is still workable, a 3/8 inch radius edging tool shall be used to create a finished edge along the perimeter of the tile. The concrete around the tile shall be smoothed with a steel trowel and then broom finished to match all other sidewalk finishes. During the curing period the tile must not be disturbed. To avoid floating up of the tile while curing two 25 pound weights are to be placed on either end of the tile. During this process the protective plastic wrap shall remain intact on the tile. Upon curing it can be removed with a sharp knife by cutting tight along the interface of the tile/concrete.

COMPENSATION

31.04 Method of Measurement

The method of measurement for payment of Cast in Place Detectible/Tactile Warning Surface Tiles shall be by measuring the area of each tile placed according to specifications. Each tile shall be paid by the square yard as bid in the contract.

31.05 Basis of Payment

Unit price for this item shall be square yard of installed tile as per specifications to include all labor, materials and equipment as counted in the field. Upon inspection and approval by the Township of Piscataway, payment will be made under:

<i>Pay Item</i>	<i>Pay Unit</i>
CAST IN PLACE DETECTIBLE/TACTILE WARNING SURFACE TILE COMPLETE IN PLACE	SQUARE YARD(SY)

**ENGINEERED DESIGN OF CONCRETE SIDEWALK PUBLIC CURB (ADA)
RAMPS, COMPLETE IN PLACE**

(IF & WHERE DIRECTED)
(ITEM #32)

32.01 Description

This item consists of retaining by the successful bidder a Professional Engineer licensed to practice in New Jersey for the purpose of certifying that each Concrete Sidewalk Public Curb Ramp is in compliance with the Americans with Disabilities Act. The engineer shall use the Public Right-of-Way Accessibility Guide (PROWAG) for the basis of design of these facilities. Each ramp in the proposal and any additional ramp that may be added under an “If and Where” condition must be individually designed by providing a drawing with a title block and signature of the professional engineer pursuant to the requirements of the NJ Board of Professional Engineers and Land Surveyors. Each drawing shall be signed and sealed by the licensed Professional Engineer who provided the design and two (2) copies shall be submitted to the Township Engineer for record keeping. The contractor shall keep a copy on the worksite for inspection purposes.

32.02 Ramp Identity

The drawing for each ramp shall indicate the location of the ramp so that it is easily identifiable in the field. There should also be included calculations indicating the square feet of concrete and the square feet of cast in place detectible/tactile warning surface tile required to construct a fully compliant ramp.

32.03 Method of Measurement

Each Concrete Sidewalk Public Curb Ramp shall be measured as a unit. Regardless of degree of design and size, for the purpose of payment for Engineered Design of Concrete Sidewalk Public Curb Ramps, an average cost shall be determined from the total number of ramps so that a consistent unit price is established.

32.04 Basis of Payment

Payment for Engineered Design of Concrete Sidewalk Public Curb Ramps shall be on a per unit basis for the design of each ramp as submitted pursuant to the specifications. Unit price shall be consistent regardless of ramp design and/or size.

Pay Item

Pay Unit

ENGINEERED DESIGN OF CONCRETE SIDEWALK
PUBLIC CURB RAMP, COMPLETE IN PLACE

UNIT (UN)

8” x 9” x 18” CONCRETE VERTICAL CURB,
COMPLETE IN PLACE
(ITEM #33)

33.01 Description

This work shall consist of the construction of Concrete Vertical Curb, and the incidental work thereto. It shall be installed in the location where the existing curb is removed at effectively the same elevation and alignment of the existing curb. Where the existing grade and or alignment are such that they create a detrimental condition, they shall be modified to alleviate that condition. The Engineer shall be consulted when this situation arises. Where there is no existing curb, new curb shall be installed in proper line and grade as determined by the Township Engineer and appropriately staked out as set forth in Section A9. of these specifications. This work will conform to the NJDOT Standard Specifications – 2019, SECTION 607.03.02 – CONCRETE VERTICAL CURB, as amended and supplemented herein by these specifications.

MATERIALS

33.02 Materials.

Portland cement concrete shall conform to (NJDOT) Section 903 using **Class B 7% air entrained concrete**, except that concrete curb at driveways shall attain strength of not less than 3,000 pounds per square inch in three days. Other materials shall conform to the following Subsections:

Curing Materials.....	903.10
Preformed Expansion Joint Filler.....	914.01
Joint Sealer, Hot-Poured.....	914.02
Mortar and Grout.....	903.08

EQUIPMENT

33.03 Equipment.

- A. Compaction.** Compaction of underlying material shall be accomplished by equipment according to Subsection 203.03.02.
- B. Forms.** Forms shall be of wood, metal, or other suitable material and shall extend for the full depth of the concrete. All forms shall be true to line, free from warp, and of sufficient strength to resist the pressure of the concrete without deforming. Curved forms of proper radius shall be used on all radial sections and shall be of an acceptable design. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal.
- C. Finishing.** Finishing equipment shall include floats, edgers, pointing tools, spades, tamps, and small vibrators.

CONSTRUCTION

33.04 Excavation and Backfilling.

Excavation shall be according to Subsection 202.03. Backfilling shall be according to Subsection 203.03.02. Any and all excess excavated material shall be disposed of by the Contractor at the expense of the Contractor.

33.05 Preparation of Underlying Material.

Excavation for curbs shall be made to the required depth, and to a width that permits the installation and bracing of the forms. The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with acceptable material that shall be compacted. No concrete shall be placed until the subgrade has been approved by the Director.

33.06 Concrete Curbs.

A. Limitations. The limitations of placing shall be as specified in Subsection 504.03.02.C and the following:

1. Placing of concrete shall be discontinued in time to allow finishing to be completed in daylight hours unless an artificial lighting system is provided.
2. Concrete curb shall not be constructed from November 1 to March 15 without specific approval of the Township Engineer. When concrete is placed during the dates set forth above, the requirements of Subsection 504.03.02.C.1 are to be strictly followed.

B. Mixing, Placing, and Finishing Concrete. Construction requirements shall conform to Section 504.03.02 where applicable and the following:

1. Where changes in the size or shape of curbs occur in a continuous section, the transition between sections shall be gradual with a minimum length of 20 feet. If existing curb has a top width of other than 8 inches, new curb shall conform to the width of the existing curb to create a uniform line of curb. All other dimensions shall remain consistent as specified.
2. Immediately before placing the concrete, the underlying material shall be thoroughly dampened, and the forms given a coating of light oil or other material which can prevent adherence of the concrete to the forms and which does not discolor the concrete. Where removed and used again, the forms shall be thoroughly cleaned and treated each time before using.
3. The concrete shall be placed immediately after mixing. The edges, sides, and faces shall be spaded or vibrated and the surface tamped to compact the concrete thoroughly and bring the mortar to the surface,

after which the surface shall be finished smooth and even by means of a wooden float.

4. Sleeves for sign or delineator posts installed in barrier curbs shall be filled with sand and sealed with hot-poured joint sealer immediately after installation and shall be resealed if and when posts are installed.
 5. Concrete curbs shall be constructed in sections having uniform lengths of 20 feet, unless existing conditions dictate lengths of 10 feet which shall then be constructed as such. The length of these sections may be reduced where necessary for closures, but no section less than 10 feet will be permitted. The forms on the face of all curbs shall be removed as soon as the concrete holds its shape and the surface shall then be finished with a fine hair brush to a smooth and even finish. Plastering will not be permitted. The top edges of curb shall be rounded. Edges where expansion joint material has been placed shall be finished with an edging tool having a radius of not over $\frac{1}{4}$ inch.
 6. As soon as the forms are removed, the concrete shall be covered with wet burlap if finishing prevents the immediate application of curing compound. The concrete shall remain covered until it is to be finished, at which time the wet burlap shall be removed from that amount of concrete that can be immediately finished. As soon as finishing is complete, curing compound shall be applied.
 7. Any exposed surface or surfaces against which some rigid type of construction is to be made shall be left smooth and uniform so as to permit free movement of the curb.
 8. All tool marks shall be removed with a wetted brush or wooden float, and the finished surface shall present a uniform appearance.
 9. Care shall be taken to minimize damage to previously constructed areas. Any damage shall be repaired without additional compensation.
 10. Once the concrete curbing has cured, the road pavement contiguous to the newly constructed curb shall be power-hammered or sawcut along the new curb limits, at an offset of 12 inches from the curb face, and road material excavated therefrom to an excavated depth of 7 inches on which a 7 inch thick pavement repair section shall be constructed thereon consisting of NJDOT stabilized base course HMA (hot mix asphalt), 19M64, compacted in maximum $3\frac{1}{2}$ inch lifts.
- C. Joints.** Expansion joints shall be provided opposite joints in abutting concrete surface course and at approximately equal distances of not more than 10 feet between joints. Joints shall be filled with preformed expansion joint filler, $\frac{1}{2}$ inch thick, which shall be flush with the top and face. Between concrete curbs

and concrete surface or base course, ½-inch, preformed, expansion-joint filler shall be installed and the joint shall be sealed with hot-poured joint sealer.

- D. Protection and Curing.** Within 30 minutes after finishing the concrete according to Subpart B above, 2 coats of curing compound shall be applied in accordance to Subsection 504.03.02.F.1. The curing compound shall not discolor or create uneven color on the surface of the concrete.

For additional protection against scaling from freeze-thaw and deicing materials, the concrete must be protected with a commercially available silane or siloxane-based breathable concrete sealer or water repellent specifically designed for concrete slabs such as Silox-Seal manufactured by Amteco, Inc. located at 1841 F Marietta Blvd., Atlanta, GA 30318, telephone number 800 297 7325 or approved equal. The manufacturer's recommendations must be followed for application procedures and frequency. Prior to use of the sealer, the contractor must provide technical information on the product to be used for approval by the Engineer.

The curb shall be protected until finally accepted. During this period, any damage caused by construction operations or cold weather shall be repaired without additional compensation.

1. All denuded or disturbed lawn areas shall be restored to achieve a uniform grade on which 4 inches minimum of screened topsoil shall be raked and area seeded with a seed mix acceptable to the Township. Material tickets shall be required for all topsoil and seed products.

COMPENSATION

33.07 Method of Measurement.

Curbs, full 6" reveal and/or depressed, will be measured by the linear foot along the face at the gutter line.

33.08 Basis of Payment.

Unit price for this item shall include all necessary stake out, excavation, removal and disposal of the existing defective curbing, all labor, materials and equipment necessary for the construction of the concrete vertical curb, barrier-free curb ramps, extension and connection of existing roof and/or sump pump drains to the newly constructed curb where required, replacement of disturbed pavement with 7" NJDOT Stabilized Base Course, HMA 19M64, root cutting and all necessary backfill, grading, and shall include all site and lawn restoration required, including topsoil, seed mix, mulch, concrete sealer or water repellent, and road pavement restoration as required.

Payment will be made per linear foot of acceptable curbing constructed, complete in place as measured in the field. Acceptable material tickets are required prior to payment. Payment will be made under:

<i>Pay Item</i>	<i>Pay Unit</i>
8" x 9" x 18" CONCRETE VERTICAL CURB W/SEALER, AND APPURTENANT WORK, COMPLETE IN PLACE	LINEAR FOOT (LF)

CONCRETE COMBINATION CURB & GUTTER,
COMPLETE IN PLACE
(ITEM #34)

34.01 Description.

This work shall consist of the construction of Concrete Combination Curb and Gutter, and the incidental work thereto. It shall be installed in the location where the existing curb is removed at effectively the same elevation and alignment of the existing curb. Where the existing grade and or alignment are such that they create a detrimental condition, they shall be modified to alleviate that condition. The Township Engineer shall be consulted when this situation arises. Where there is no existing curb, new curb shall be installed in proper line and grade as determined by the Township Engineer and appropriately staked out as set forth in Section A9 of these specifications. This work will conform to the NJDOT Standard Specifications – 2019, SECTION 607.03.02 – CONCRETE VERTICAL CURB, except that the cross-section of curb shall be that of COMBINATION CURB AND GUTTER as specified in the standard details of the Division of Engineering of the Township of Piscataway as amended and supplemented herein by these specifications.

MATERIALS

34.02 Materials.

Portland cement concrete shall conform to (NJDOT) Section 903 using **Class B 7% air entrained concrete**, except that concrete curb at driveways shall attain strength of not less than 3,000 pounds per square inch in three days. Other materials shall conform to the following Subsections:

Curing Materials.....	903.10
Preformed Expansion Joint Filler.....	914.01
Joint Sealer, Hot-Poured.....	914.02
Mortar and Grout.....	903.08

EQUIPMENT

34.03 Equipment.

- A. Compaction.** Compaction of underlying material shall be accomplished by equipment according to Subsection 203.03.02.
- B. Forms.** Forms shall be of wood, metal, or other suitable material and shall extend for the full depth of the concrete. All forms shall be true to line, free from warp, and of sufficient strength to resist the pressure of the concrete without deforming. Curved forms of proper radius shall be used on all radial sections and shall be of an acceptable design. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal.
- C. Finishing.** Finishing equipment shall include floats, edgers, pointing tools, spades, tamps, and small vibrators.

CONSTRUCTION

34.04 Excavation and Backfilling.

Excavation shall be according to Subsection 202.03. Backfilling shall be according to Subsection 203.03.02. Any and all excess excavated material shall be disposed of by the Contractor at the expense of the Contractor.

35.05 Preparation of Underlying Material.

Excavation for curbs shall be made to the required depth, and to a width that permits the installation and bracing of the forms. The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with acceptable material that shall be compacted. No concrete shall be placed until the subgrade has been approved by the Engineer.

34.06 Concrete Curbs.

1. **Limitations.** The limitations of placing shall be as specified in Subsection 504.03.02.C and the following:
 3. Placing of concrete shall be discontinued in time to allow finishing to be completed in daylight hours unless an artificial lighting system is provided.
 4. Concrete curb shall not be constructed from November 1 to March 15 without specific approval of the Township Engineer. When concrete is placed during the dates set forth above, the requirements of Subsection 504.03.02.C.1 are to be strictly followed.

- B. Mixing, Placing, and Finishing Concrete.** Construction requirements shall conform to Section 504.03.02 where applicable and the following:

1. Where changes in the size or shape of curbs occur in a continuous section, the transition between sections shall be gradual with a minimum length of 20 feet. If existing curb has a top width of other than 8 inches, new curb shall conform to the width of the existing curb to create a uniform line of curb. All other dimensions shall remain consistent as specified.
 - 1.01 Immediately before placing the concrete, the underlying material shall be thoroughly dampened, and the forms given a coating of light oil or other material which can prevent adherence of the concrete to the forms and which does not discolor the concrete. Where removed and used again, the forms shall be thoroughly cleaned and treated each time before using.
 - 1.02 The concrete shall be placed immediately after mixing. The edges, sides, and faces shall be spaded or vibrated and the surface tamped to compact the concrete thoroughly and bring the mortar to the surface, after which the surface shall be finished smooth and even by means of a wooden float.
 - 1.03 Sleeves for sign or delineator posts installed in barrier curbs shall be filled with sand and sealed with hot-poured joint sealer immediately after installation and shall be resealed if and when posts are installed.
 - 1.04 Concrete curbs shall be constructed in sections having uniform lengths of 20 feet, unless existing conditions dictate lengths of 10 feet which shall then be constructed as such. The length of these sections may be reduced where necessary for closures, but no section less than 10 feet will be permitted. The forms on the face of all curbs shall be removed as soon as the concrete holds its shape and the surface shall then be finished with a fine hair brush to a smooth and even finish. Plastering will not be permitted. The top edges of curb shall be rounded. Edges where expansion joint material has been placed shall be finished with an edging tool having a radius of not over $\frac{1}{4}$ inch.
 - 1.05 As soon as the forms are removed, the concrete shall be covered with wet burlap if finishing prevents the immediate application of curing compound. The concrete shall remain covered until it is to be finished, at which time the wet burlap shall be removed from that amount of concrete that can be immediately finished. As soon as finishing is complete, curing compound shall be applied.

- 1.06 Any exposed surface or surfaces against which some rigid type of construction is to be made shall be left smooth and uniform so as to permit free movement of the curb.
- 1.07 All tool marks shall be removed with a wetted brush or wooden float, and the finished surface shall present a uniform appearance.
- 1.08 Care shall be taken to minimize damage to previously constructed areas. Any damage shall be repaired without additional compensation.
- 1.09 Once the concrete curbing has cured, the road pavement contiguous to the newly constructed curb shall be power-hammered or sawcut along the new curb limits, at an offset of 12 inches from the curb face, and road material excavated therefrom to an excavated depth of 7 inches on which a 7 inch thick pavement repair section shall be constructed thereon consisting of NJDOT stabilized base course HMA (hot mix asphalt), 19M64, compacted in maximum 3 ½ inch lifts.
1. **Joints.** Expansion joints shall be provided opposite joints in abutting concrete surface course and at approximately equal distances of not more than 10 feet between joints. Joints shall be filled with preformed expansion joint filler, ½ inch thick, which shall be flush with the top and face. Between concrete curbs and concrete surface or base course, ½-inch, preformed, expansion-joint filler shall be installed and the joint shall be sealed with hot-poured joint sealer.
- D. Protection and Curing.** Within 30 minutes after finishing the concrete according to Subpart B above, 2 coats of curing compound shall be applied in accordance to Subsection 504.03.02.F.1. The curing compound shall not discolor or create uneven color on the surface of the concrete.

For additional protection against scaling from freeze-thaw and deicing materials, the concrete must be protected with a commercially available silane or siloxane-based breathable concrete sealer or water repellent specifically designed for concrete slabs such as Silox-Seal manufactured by Amteco, Inc. located at 1841 F Marietta Blvd., Atlanta, GA 30318, telephone number 800 297 7325 or approved equal. The manufacturer's recommendations must be followed for application procedures and frequency. Prior to use of the sealer, the contractor must provide technical information on the product to be used for approval by the Director.

The curb shall be protected until finally accepted. During this period, any damage caused by construction operations or cold weather shall be repaired without additional compensation.

1. All denuded or disturbed lawn areas shall be restored to achieve a uniform grade on which 4 inches minimum of screened topsoil shall be raked and area seeded with a seed mix acceptable to the Township. Material tickets shall be required for all topsoil and seed products.

COMPENSATION

34.07 Method of Measurement.

Curbs, full 6” reveal and/or depressed, will be measured by the linear foot along the face at the gutter line.

34.08 Basis of Payment.

Unit price for this item shall include all necessary stake out, excavation, removal and disposal of the existing defective curbing, all labor, materials and equipment necessary for the construction of the concrete combination curb and gutter, barrier-free curb ramps, extension and connection of existing roof and/or sump pump drains to the newly constructed curb where required, saw cutting, replacement of disturbed pavement with 7” NJDOT Stabilized Base Course, HMA 19H64, root cutting and all necessary backfill, grade, and shall include all site and lawn restoration required, including topsoil, seed mix, mulch, concrete sealer or water repellant, and road pavement restoration as required.

Payment will be made per linear foot of acceptable curbing constructed, complete in place as measured in the field. Acceptable material tickets are required prior to payment. Payment will be made under:

<i>Pay Item</i>	<i>Pay Unit</i>
CONCRETE COMBINATION CURB & GUTTER W/SEALER, AND APPURTENANT WORK, COMPLETE IN PLACE	LINEAR FOOT (LF)

BELGIUM BLOCK (GRANITE) CURB,
COMPLETE IN PLACE
(ITEM #35)

35.01 Description.

This work shall consist of the construction of Belgian Block (Granite) Curb, and the incidental work thereto. It shall be installed in the location where the existing curb is removed at effectively the same elevation and alignment of the existing curb. Where the existing grade and or alignment are such that they create a detrimental condition, they shall be modified to alleviate that condition. The Engineer shall be consulted when this situation arises. Where there is no existing curb, new curb shall be installed in proper line and grade as determined by the Township Engineer and appropriately staked out as set forth in Section A9 of these specifications. This work will conform to the NJDOT

Standard Specifications – 2019, SECTION 607.03.05 – GRANITE CURBS, as specified in the standard details of the Division of Engineering of the Township of Piscataway as amended and supplemented herein by these specifications.

MATERIALS

35.02 Materials.

Portland cement concrete shall conform to (NJDOT) Section 903 using Class B 7% air entrained concrete, except that concrete curb at driveways shall attain strength of not less than 3,000 pounds per square inch in three days. Other materials shall conform to the following Subsections:

Curing Materials.....	903.10
Preformed Expansion Joint Filler.....	914.01
Joint Sealer, Hot-Poured.....	914.02
Granite Curbs.....	910.04
Mortar and Grout.....	903.08

EQUIPMENT

35.03 Equipment.

- A. Compaction.** Compaction of underlying material shall be accomplished by equipment according to Subsection 203.03.02.
- B. Forms.** Forms shall be of wood, metal, or other suitable material and shall extend for the full depth of the concrete. All forms shall be true to line, free from warp, and of sufficient strength to resist the pressure of the concrete without deforming. Curved forms of proper radius shall be used on all radial sections and shall be of an acceptable design. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal.
- C. Finishing.** Finishing equipment shall include floats, edgers, pointing tools, spades, tamps, and small vibrators.

CONSTRUCTION

35.04 Excavation and Backfilling.

Excavation shall be according to Subsection 202.03. Backfilling shall be according to Subsection 203.03.02. Any and all excess excavated material shall be disposed of by the Contractor at the expense of the Contractor.

35.05 Preparation of Underlying Material.

Excavation for curbs shall be made to the required depth, and to a width that permits the installation and bracing of the forms. The underlying material shall be shaped and compacted to a firm, even surface. Unstable material shall be removed and replaced with acceptable material that shall be compacted. No concrete shall be placed until the subgrade has been approved by the Director.

35.06 Belgian Block (Granite) Curbs.

All concrete for Belgian Block curb foundation shall be air-entrained Class 'B' concrete as specified in Section 903 of the NJDOT 2019 Specifications. Where curb is placed across driveways and compression strength of 3,000 psi is required in three days, class 'E' concrete is to be used. Blocks along all depressed curb shall be placed upright with the long side in a vertical position similarly to the all other Belgium Block (Granite) Curb with a 6 inch face.

Belgian Block (Granite) Curbs shall be set with the top surface at the required grade. Joints shall be not more than $\frac{1}{4}$ inch wide for dressed, and $\frac{3}{8}$ inch wide for quarry-split curbs. The joints shall be pointed with mortar as specified in Section 903.08.01. Between granite curbs and adjacent concrete surface and concrete base course, expansion joints shall be provided and filled with $\frac{1}{4}$ inch, preformed, bituminous, joint filler and sealed with hot-poured joint sealer.

Once the concrete curbing has cured, the road pavement contiguous to the newly constructed curb shall be power-hammered or saw-cut along the new curb limits, at an offset of 12 inches from the curb face, and road material excavated there from to an excavated depth of 7 inches on which a 7 inch thick pavement repair section shall be constructed thereon consisting of Hot Mix Asphalt 19M64 Base Course as specified in the NJDOT Standard Specifications 2019 compacted in maximum $3\frac{1}{2}$ inch lifts.

35.07 Belgian Block (Granite) Curb: Concrete Foundation.

- A. Limitations.** The limitations of placing shall be as specified in Subsection 504.03.02.C and the following:
5. Placing of concrete shall be discontinued in time to allow finishing to be completed in daylight hours unless an artificial lighting system is provided.
 6. Concrete for curbing in cold weather shall conform to Subsection 504.03.02.C.1 of the Specifications.
- B. Mixing, & Placing Concrete Foundation.** Construction requirements shall conform to Section 504.03.02 and the following:
- C.** Immediately before placing the concrete, the underlying material shall be thoroughly dampened, and the forms given a coating of light oil or other material which can prevent adherence of the concrete to the forms and which does not

discolor the concrete. Where removed and used again, the forms shall be thoroughly cleaned and treated each time before using.

1. The concrete shall be placed immediately after mixing. The edges, sides, and faces shall be spaded or vibrated and the surface tamped to compact the concrete thoroughly and bring the mortar to the surface, after which the surface shall be shaped to receive the Belgium Block curb as indicated on the plans.
 2. Concrete foundations shall be constructed in sections as needed to complete a length of Belgium Block curb with fewest breaks possible. The Belgian Block curb shall be placed in the concrete while still workable and the forms shall be removed as soon as the concrete holds its shape.
 3. Joints between curb blocks shall be pointed with an appropriate tool using cement mortar mix as aforementioned.
 4. Care shall be taken to minimize damage to previously constructed areas. Any damage shall be repaired without additional compensation.
- C. Joints.** Expansion joints when shall be provided at the ends of curbing when adjoining inlet heads, other type of curbing or abutting other flat materials. Joints shall be filled with preformed expansion joint filler, ½ inch thick, which shall be flush with the top and face.
- D. Protection and Curing.** The constructed curb shall be protected until finally accepted. During this period, any damage caused by construction operations or cold weather shall be repaired without additional compensation.
1. All denuded or disturbed lawn areas shall be restored to achieve a uniform grade on which 4 inches minimum of screened topsoil shall be raked and area seeded with a seed mix acceptable to the Township. Material tickets shall be required for all topsoil and seed products.

COMPENSATION

35.08 Method of Measurement.

Curbs, full 6" reveal and/or depressed, will be measured by the linear foot along the face at the gutter line.

35.09 Basis of Payment.

Unit price for this item shall include all necessary stake out, excavation, root cutting, all labor, materials and equipment necessary for the construction of the Belgian Block

curb, and all necessary backfill, grading, saw cutting, road pavement restoration, and shall include all site and lawn restoration required, including topsoil, seed mix, and mulch.

Payment will be made per linear foot of acceptable curbing constructed, complete in place as measured in the field. Acceptable material tickets are required prior to payment. Payment will be made under:

Pay Item

Pay Unit

BELGIAN BLOCK (GRANITE) CURB,
AND APPURTENANT WORK,
COMPLETE IN PLACE

LINEAR FOOT (LF)

DIVISION 600

Section 607

**POINT EXISTING BELGIAN BLOCK (GRANITE) CURB,
COMPLETE IN PLACE
(ITEM #36)**

Description.

This work shall consist of pointing of existing Belgian Block (Granite) Curb, and the incidental work thereto. The work shall also include removal of all mortar joints that are intact, deteriorated, distressed, or missing and point the joints using new mortar. Contractor may use hammers, chisels, grinders, saws, or other tools and method of removal as approved by Engineer.

Remove old mortar to a minimum depth of two to three times the width of the joint to ensure an adequate bond and performance of new mortar. For example, the joints typically being approximately 3/8 in. (10 mm) wide, this requires removing existing mortar to a depth of at least 3/4 in. (20 mm) from the face of the block curb. Additionally, deteriorated mortar encountered behind the minimum depth should be also removed. Contractor shall not damage existing pavements and surrounding area.

Clean the block cavity joints using broom or compressed air. Do not use power wash equipment. Prepare the joints to receive new mortar by misting them lightly with a garden house sprayer.

Mortar and grout material shall conform to NJDOT 2019 Specifications Section 903.

Joints between individual pieces of curb are to be completely filled with mortar. Contractor shall fill joints using hand pointing tools. No power injection method is permitted to inject the mortar into joints. Top and exposed front face of joints are to be neatly pointed, flush with curb surfaces, and cleaned of all excess mortar all in conformance to Section 903 of NJDOT Specifications. Take care to not spread mortar onto exposed surfaces. Thoroughly clean exposed surfaces of excess mortar using bristle

brushes. Contractor shall sweep up and remove mortar droppings, smears, dust, dirt, and debris from work area. The use of abrasive cleaning will not be permitted. Allow mortar to fully harden after completion of work.

If required, or directed by Engineer, the Contractor shall restore area behind curb including but not limited to topsoiling, seeding, and mulching.

Method of Measurement

The item “Pointing Existing Belgian Block (Granite) Curb, Complete in Place” will be measured by the Lump Sum method within an area as shown on the street map and or schedules of the contract specifications. Lump Sum price for this item shall include all necessary labor, material, equipment, removal of existing mortar, cleaning, pointing, cleanup, disposal, site restoration, topsoil, seed, mulch and any work necessary to complete the work.

Method of Payment

The item “Pointing Existing Belgian Block (Granite) Curb, Complete in Place” will be paid by the Lump Sum unit. Payment will be made upon completion, Township inspection and approval of work included in the pay item.

Pay Item

Pay Unit

POINTING EXISTING
BELGIAN BLOCK (GRANITE) CURB,
COMPLETE IN PLACE

LUMP SUM (LS)

Section 615
MISCELLANEOUS CONCRETE

CONCRETE STEPS, W/CONCRETE SEALER, WIDTH VARIES
COMPLEE IN PLACE
(ITEM # 37)

37.01 DESCRIPTION

This work shall consist of the construction of miscellaneous Portland cement items such as steps, saddles, and encasements.

37.02 MATERIALS

Concrete	903.03
Curing Materials	903.10
Preformed Joint Filler	914.01
Reinforcement Steel	905.01

The following is added:

All concrete shall be class B, 4500 psi air entrained concrete.

37.03 METHODS OF CONSTRUCTION

EXCAVATION AND BACKFILLING

Excavation and backfilling shall be according to Section 202, 302, or 601.

For additional protection against scaling from freeze-thaw and deicing materials, the concrete must be protected with a commercially available silane or siloxane-based breathable concrete sealer or water repellent specifically designed for concrete slabs such as Silox-Seal manufactured by Amteco, Inc. located at 1841 F Marietta Blvd., Atlanta, GA, 30318, telephone number 800-297-7325 or approved equal. The manufacturer’s recommendations must be followed for application procedures and frequency. Prior to use of the sealer, the contractor must provide technical information on the product to be used for approval by the Director.

37.04 MIXING, PLACING, FINISHING AND CURING

Mixing, placing, finishing, and curing of concrete including placing of reinforcement steel shall be according to Section 504.

37.05 MEASUREMENT AND PAYMENT

Payment shall be per unit of concrete steps, as measured in place at the price bid in the Proposal and shall include all necessary labor, materials, supplies, backfilling, saw cut, debris removal and disposal. No additional payment will be made for concrete sealer, or any reinforcement steel but cost thereof shall be included in the unit price bid for each item requiring same.

Measurement and payment will be made under:

<i>Pay Item</i>	<i>Pay Unit</i>
CONCRETE STEPS, COMPLETE IN PLACE	RISER

DIVISION 800
Section 802

REMOVE TREES, OVER 6” UP TO AND INCLUDING 36” and over
CALIPER (If & Where Directed)
(ITEMS #38, #39, #40, #41, #42, #43)

802.10 **DESCRIPTION**

This item shall include all necessary labor, materials, supplies, excavation, disposal, backfill and the complete removal of trees and stumps, as shown on the plans, and as directed by the engineer. Tree removal shall consist of the work of clearing the site of the project within the limits shown on the plans or as directed by the Engineer. This item shall include but not be limited to the removal of trees and stumps, suitable backfill, topsoil, seeding, and all other items or obstacles necessary to the proper completion of the work, except as herein provided. The site of the project shall be cleared within the limits of construction. Said limits shall be considered maximum limits and the Contractor shall clear only those minimum areas within construction limits as may be necessary to properly perform the project. The ground surface shall be cleared of all trees, stumps, roots, brush, branches, debris and other unsuitable matter.

Trees, shrubs and other landscape features within the construction limits which do not interfere with the progress shall not be removed, but shall be protected during the progress of the work in a manner satisfactory to the Engineer.

All remaining trees shall be pruned as necessary, damaged areas painted, and remove existing branches from the roadway side of the curbing or sidewalk area, as directed by the Engineer.

802.03.02

METHODS OF CONSTRUCTION

It is the intention of this Contract to perform the needed construction with the least possible detriment to the natural environment, and the Contractor shall use all reasonable care in his operations with motorized equipment. The Contractor shall repair all injury to bark, trunk, limbs, and roots of remaining trees using approved nursery methods and materials. Materials accumulated by tree removal and all debris shall be disposed of by the Contractor at sites to be provided by him outside the site of the project. In addition, any surplus materials from any excavation shall be disposed of at the expense of the Contractor, unless otherwise noted. Trees to be removed are designated on the plans.

If necessary, trees shall be felled in sections to prevent damage to adjacent vegetation, structures, utility wires and property. Stumps shall be completely removed and the stump holes backfilled with a suitable topsoil. Any damage to other existing trees, vegetation, structures, utility wires and other property shall be repaired by the Contractor at no cost to the township. All branches, limbs, trunks, stumps, and other debris shall be completely disposed of and removed by the Contractor. Grass areas damaged during tree removal shall be repaired.

802.04

QUANTITY AND PAYMENT

Payment for tree removal shall be per unit of each caliper size of tree removed (6" and up to and including over 36" Diameter). Each diameter category shall be roughly measured at a 4-1/2' above ground level.

Payment will not be made for tree removal beyond the construction limits shown on the plans and/or which has not been authorized within the construction limits. Payment shall include all labor and equipment, suitable backfill, the disposal of material and debris,

topsoil and seeding, the restoration of all damaged items and all else necessary therefore and incidental thereto. Payment shall be processed at the completion of the project, no partial payment will be allowed.

<i>Pay Item</i>	<i>Pay Unit</i>
REMOVE TREES, OVER 6" UP TO AND INCLUDING 36" AND OVER	UNIT

Sections 804 and 806
TOPSOILING, 4" THICK AND FERTILIZING, SEEDING, & MULCHING
(ITEMS #44 & #45)

804.01 & 806.01 **Description**

This item shall include all topsoil, seed, fertilizing and mulching required to restore regraded lawn areas behind new curbs where curbs previously did not exist and as directed by the Township Engineer.

804.01 & 806.02 **Materials**

Fertilizer-10-20-15 Commercial designation

<u>SEED MIXTURE</u>	<u>% OF TOTAL WEIGHT</u>
Kentucky Blue Grass	20
Red Fescues	35
Kentucky 31	20
Perennial Rye Grass	10
Red Top	10
White Clover	5

Topsoil for planting shall be furnished by the contractor. Topsoil shall be a natural fertile agricultural soil capable of sustaining vigorous plant growth. It shall not be excessively acid or alkaline nor contain toxic substance, which may be harmful to plant growth. It shall be of uniform composition throughout without a mix of subsoil; shall be free of stone, clay, lumps, wood, concrete, plants or their roots and similar substances. It shall contain not less than 6% organic matter and shall have a soil reaction range of ph 5.0 to 7.0. Samples may be taken by the Township, from the delivered topsoil and tested for compliance to specifications. Topsoil, which does not meet the specifications, will be required to be removed from the job site immediately.

804.03 & 806.03 **Methods of Construction**

All work of top soiling, fertilizing, seeding and mulching shall include the installation of topsoil, shaping, dressing, and preparation of all designated land areas to the lines and

grades shown on the plans and the planting of seed thereon and all authorized construction under this contract and within the construction limits shown on the plans. All seed mixtures, fertilizers, and other materials shall be applied with seeding equipment approved by the Township and in accordance with good nursery practices.

Topsoil necessary for the completion of this item shall be furnished at the contractor's expense. At the time designated by the Township, the disturbed land areas shall be fine graded and shaped to the grades and lines shown on the plans using the topsoil necessary, to a depth of at least 4". All said areas shall be raked to remove large stones and debris and shall be fertilized, seeded and mulched according to the following application rates:

- a. Fertilizer 20 lbs. per 100 S.Y.
- b. Seed 5 lbs. per 100 S.Y.
- c. Lime 50 lbs. per 100 S.Y.
- d. Mulch 100 lbs. per 100 S.Y.

The contractor shall at all times insure that all disturbed areas will be kept to a minimum. All seeding shall be in accordance with good nursery practice and shall be performed by a competent nurseryman acceptable to the Township. Mulch shall be hay or timothy, applied so as to cover the soil completely and secured with an approved tackifier. The contractor shall guarantee a dense growth of grass for a period of one year.

804.04 & 806.04 **Quantity and Payment**

The quantity of top soiling, fertilizing, seeding and mulch for which payment will be made will be the surface area behind new curbs only where regrading is required, and as authorized and measured, in square yards, by the Township Engineer.

Payment for top soiling, fertilizing, seeding and mulch shall be per square yard and shall include all dressing, shaping, raking, fertilizing, seeding and mulching, all materials and labor and equipment, the repair of all eroded areas and all else necessary therefore and incidental thereto.

Pay Item

Pay Unit

TOPSOILING, 4" THICK AND
FERTILIZING, SEEDING, & MULCHING

SQUARE YARD

LANDSCAPING, (NEW SHADE TREES),
(If & Where Directed)
(ITEM # 46)

811.01

DESCRIPTION

- A. The extent of tree plantings will be as per the specifications, in various locations throughout the road right-of-way. Exact locations for the plantings will be provided by the Township Landscape Architect or Engineer prior to this work starting.
- B. Work Included: The work of this Section includes providing and installing or performing all work and equipment, complete as indicated on the drawings or as specified herein, or both, necessary for completion of planting. **The Contractor shall provide all topsoil**, and it shall be tested, and if necessary, shall be made to conform to the pH and acidity range and percentage of organic matter as specified herein.
- C. The Contractor shall be liable for any damages to property caused by planting operations and shall, at his own expense, restore all disturbed or damaged areas to their original condition.
- D. Plant materials shall be free of damage as the result of handling and transportation.
- E. Balls of trees shall be in one solid piece properly shaped and shall be at least as large as the ball size recommended by the American Association of Nurserymen.

Location of tree plantings will be determined in the field by Township Landscaping Architect or Engineer.

811.02

MATERIALS

A. Quality: Provide trees, and other plants of quantity, size, genus, species, and variety shown and scheduled for landscape work and complying with recommendations and requirements of ANSI Z60.1 "American Standard for Nursery Stock".

B. All plants shall be freshly dug and neither heeled-in plants nor plants from cold storage will be accepted. Balled and burlapped plants shall come from soil which will hold a firm ball.

C. Deciduous Trees: Provide trees of height and caliper scheduled or shown and with branching configuration recommended by ANSI Z60.1 for type and species required. Provide single stem trees except where special forms are shown or listed.

D. Topsoil shall be a natural fertile agricultural soil capable of sustaining vigorous plant growth. It shall not be excessively acid or alkaline nor contain toxic substance which may be harmful to plant growth. It shall be of uniform composition throughout without a mixture of subsoil; shall be free of stones, clay, lumps, wood, concrete, plants, or their roots and similar substances. It shall contain not less than 6% organic matter and shall have a soil reaction range of pH 5.0 to 6.8 . Analysis of topsoil will be required as specified in Article S-29.3

1. Topsoil which does not meet the specifications will be required to be removed from the job site immediately.

A. The topsoil mixture materials shall be thoroughly mixed by hand or rotary mixer to the satisfaction of the Landscape Architect.

E. Peat Humus: FS Q-P-166 decomposed peat with no identifiable fibers and with ph range suitable for intended use.

F. Double Shredded Root Mulch: Shall have no leaves, young green growth, wood shavings, sawdust, or foreign materials of any nature mixed with the mulch. Samples shall be submitted to the Landscape Architect for approval before purchase or delivery.

G. Pre-Emergent Weed Killer: Shall be treflan or approved equal and applied as per manufacturer's specifications by a Contractor licensed in the application of chemicals.

H. Commercial Fertilizer: Time released packets shall be a complete fertilizer, part of the elements of which are derived from organic sources. It shall be delivered to the site in the original unopened packages each bearing the manufacturer's guaranteed analysis and installation instructions.

I. For lawns, provide fertilizer with percentage of nitrogen required to provide not less than 1 lb. of actual nitrogen per 1000 sq. ft. of lawn area and not less than 4% phosphoric acid and 2% potassium. Provide nitrogen in a form that will be available to lawn during initial period of growth; at least 50% of nitrogen to be organic form.

J. Anti-Desiccant Spray: Shall be an emulsion which provides a protective film over plant surfaces, permeable enough to permit transpiration. The Anti-desiccant shall be delivered in manufacturer's containers and shall be mixed according to manufacturer's directions.

K. Water: Shall be furnished by the Contractor until the maintenance phase and will be suitable for irrigation and free from ingredients harmful to plant life. Hose and other watering equipment shall be furnished by the Contractor.

- L. Guying, Staking, and Wrapping Materials
1. Wire for tree guys shall be 3/16" - 1 x 7 Stainless black steel left lay strand Type 304 cable as manufactured by U.S. Steel or approved equal. Chainlock will also be acceptable for tree guys.
 2. Turnbuckles shall be galvanized and 4-1/2" lengthwise openings, threaded ends, 5/16" diameter, filled with screw eyes.
 3. Hose shall be new black two-ply, reinforced, fibre-bearing garden hose not less than 1/2 inch inside diameter.
 4. Wrapping for tree trunks shall be of burlap, first quality, at least 8 ounces in weight and 6 inches in width. Burlap is to be wrapped spirally to the first branch with a 50% overlap.
 5. Stakes for vertical staking shall be white cedar milled 2 inches diameter.

6. Stakes for guying trees 3 inch caliper or less, shall be of 2"x2"x72", one end pointed, creosoted wood.

811.03.01 **Planting**

A. Standards

“Standardized Plant Names,” 1942 Edition American Joint Committee of Horticultural Nomenclature.

ANSI Z60.1 - 1986 “American Standard for Nursery Stock” by American Association of Nurserymen.

Plant material shall have a habit of growth that is normal for the species and that equals or exceeds the measurements specified in the plant list, which are the minimum acceptable sizes. Provide trees, shrubs and plants of quantity, size, genus, species and variety shown and scheduled for landscape work and complying with recommendations and requirements of ANSI Z60.1 “American Standard for Nursery Stock” . Provide healthy, vigorous stock, grown in recognized nursery in accordance with good horticultural practice and free of disease, insects, eggs, larvae and defects such as Knots, sun-scald, injuries, abrasions or disfigurement.

They shall be measured before pruning with branches in normal position. Any necessary pruning shall be done at the time of planting under direction of the Landscape Architect. Requirements for measurements, branching, grading, quality, balling and bur lapping of plants in the plant list shall follow the code of standard currently recommended by the American Association of Nurserymen, Inc., the American Standard for Nursery Stock.

Plants that meet the requirements specified, but do not have the normal balance of height and spread typical for the respective plant, shall not be accepted.

B. Inspections and Selection of Plant Material

1. The plant material shall be located by the Contractor from sources within the local area. At the direction of the Landscape Architect, the Contractor shall proceed as follows:

When all plant material has been selected by the Contractor, the Landscape Architect will make his inspection upon 72 hours notice. The Contractor shall have located sufficient alternative choices to prevent loss of time in the event that some plant fails to meet with the approval of the Landscape Architect.

The Contractor or a member of his firm shall be present when the Landscape Architect inspects the plant material at the nursery.

Trees selected should be well matched as to height, spread, and general conformation. All trees must be approved and tagged by the Landscape Architect in the field before digging. Trees delivered without tags will be rejected.

Label each tree and shrub with securely attached waterproof tag bearing legible designation of botanical and common name.

2. Substitution: Substitutions will be permitted only upon submission of proof that any plant is not obtainable and written authorization by the Landscape Architect for the use of the nearest equivalent obtainable; size and variety of the plant having the same essential characteristics with an equitable adjustment of contract price. Should the Landscape Architect deem it appropriate and substitute plant material other than that specified, it shall be accomplished as long as the price of the substituted item does not exceed the bid item being replaced.

3. Plant material is to be delivered to the site in quantities and at dates established in consultation with the Landscape Architect in order that the Landscape Architect shall have a minimum of a full day's work in supervising placement of material.

C. Delivery, Storage, and Handling

1. Balled and Burlapped Plants: Plants designated "B & B" in the plant list shall be balled and burlapped. They shall be dug with firm natural balls of earth of sufficient diameter and depth to encompass the fibrous and feeding root system necessary for full recovery of the plant. Balls shall be firmly wrapped with burlap of similar materials and bound with twine, or wire mesh. All collected plants shall be balled and burlapped. Do not bend or bind-tie trees in such a manner as to damage bark, break branches, or destroy the natural shape. Provide protective covering during delivery.

2. Container Grown Plants: Plants grown in containers will be accepted as "B & B" providing that the plant has been growing in the container for one full growing season prior to delivery. Do not remove container grown stock from containers until planting time.

3. Protection After Delivery: Plants which cannot be planted immediately on delivery to the site shall be covered with moist soil, mulch, or other protection from the drying of wind and sun. All plants shall be watered as necessary until planted.

D. Protection: Trees moved by winch or crane shall be thoroughly protected from chain marks, girdling, or bark slippage by means of burlap, wood battens, or other approved method.

SUBMITTALS

A. Certified analysis of a recognized laboratory shall be submitted for topsoil; analysis shall be made to determine compliance with requirements for topsoil as hereinafter specified under Topsoil section. The costs of the tests shall be borne by the Contractor. Reports of the tests shall be submitted to the Landscape Architect in writing.

B. Furnish in duplicate copies of invoices for all fertilizer used on the project.

C. Planting Schedule: Submit proposed planting schedule, indicating dates for each type of landscape work during normal seasons for such work in area of site. Revised dates only as approved in writing, after documentation of reasons for delays.

PLANTING PLAN

A. Planting Operations

1. The Landscape Architect shall be notified 72 hours in advance of the delivery of any plant material to the site. Delivery slips covering all plant material transported to the site shall be furnished to the Landscape Architect.

2. Following the signing of the Contract and prior to the commencement of planting, the Contractor shall contact the Landscape Architect to work out a schedule of planting dates.

3. Plant pits shall not be pre-dug. The location of plants, as shown on the drawings is intended only as a guide. Plants shall be delivered to the site and set on the ground in the location shown. The Landscape Architect shall then determine the specific location of each plant.

B. Prior to any digging, the Contractor shall ascertain the location of all utilities in the areas including tanks or other subsurface encumbrances within the contract limit line. Precautions must be taken not to disturb or damage these items. In the event of a conflict with planting, the Contractor shall notify the Landscape Architect.

C. Preparation of Planting Soils

1. Before mixing, clean topsoil of roots, plants, sods, stones, clay lumps, and other extraneous materials harmful or toxic to plant growth.

2. Contractor shall prepare soil mixture using 2 parts topsoil to 1 part peat moss (by volume, shovels, scoops, etc.) for all plantings.

3. Use timed release fertilizer packets for all trees and shrubs as per planting details, making sure the packets do not come in direct contact with rootball. Use the following schedule for number of packets:

Deciduous trees: less than 1" cal.	2 packets
1" to 4" cal.	3 packets

D. Preparation of Planting Beds:

1. Loosen subgrade of planting bed areas to a minimum depth of 6" using a cultimulcher or similar equipment. Remove stones over 1-1/2" in any dimension, and sticks, stones, rubbish and other extraneous matter.

2. Spread planting soil mixture to minimum depth required to meet lines, grades and elevations shown, after light rolling and natural settlement. Place approximately 1/2 of total amount of planting soil required. Work into top of loosened subgrade to create a transition layer, then place remainder of the planting soil. All planting beds shall be bermed slightly.

E. Excavation for Trees:

1. Excavate pits, beds, and trenches with vertical sides and with bottom of excavation slightly raised at center to provide proper drainage. Loosen hard subsoil in bottom of excavation.

2. For bare root tree, make excavations at least 1'-0" wider than root spread and deep enough to allow for setting of roots on a layer of compacted backfill and with collar set at same grade as in nursery, but 1" below finished grade at site.

3. For balled and burlapped (B&B) trees make excavations at least half again as wide as the ball diameter and equal to the ball depth, plus following allowance for setting of ball on a layer of compacted backfill.

4. Dispose of subsoil removed from planting excavations. Do not mix with planting soil or use as backfill.

5. Fill excavations for trees with water and allow to percolate out before planting.

811.03.G **Setting Plants**

A. Planting Trees

1. Set balled and burlapped (B&B) stock on layer of compacted planting soil mixture, plumb and in center of pit or trench with top of ball at same elevation as adjacent finished landscape grades. Remove burlap from top third of balls. When set, place additional backfill around base and sides of ball, and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately 2/3-full, water thoroughly before placing remainder of backfill. Repeat watering until no more is absorbed. Water again after placing final layer of backfill.

2. Set bare root stock on cushion of planting soil mixture. Spread roots and carefully work backfill around roots by hand and puddle with water until backfill layers are completely saturated. Plumb before backfilling and maintain plumb while working backfill around roots and placing layers of soil mixture above roots. Set collar 1" below adjacent finish landscape grades. Spread out roots without tangling or turning up to surface. Cut injured roots clean; do not break.

3. Set container grown stock as specified for balled burlapped stock, except cut cans on 2 sides with an approved can cutter; remove bottoms of wooden boxes after partial backfilling so as not to damage root balls.

B. To the topsoil used in the backfilling of tree holes, there shall be added, as the progress of work permits, manure or peat moss as herein before specified, ground limestone if soil tests indicates it is needed and commercial fertilizer at the rate of three (3) pounds for trees up to 3 inch caliper, one (1) pound per 1 inch caliper for larger trees. The manure, peat, limestone and fertilizer shall be incorporated thoroughly with the topsoil, care being taken that the manure does not come into immediate contact with the roots.

C. Dish top of backfill to allow for mulching.

D. Prior to top-dressing, all planted areas shall be treated with pre-emergent weed killer.

E. Mulch pits, trenches, and planted areas. Provide not less than following thickness of mulch and work into top of backfill and finish level with adjacent finish grades.

1. Provide 4" thickness of Root Mulch at trees.

2. Provide 3" thickness of Root Mulch at shrubs and ground covers.

F. Pruning shall be carefully done in accordance with each plant species requirement and/or as directed by the Landscape Architect. Pruning shall not exceed 1/3 of last season's growth, and care shall be exercised to preserve the natural appearance of the plant material. Any pruning of branches of 1 inch diameter or more, shall be treated with an approved tree paint. If deciduous trees or shrubs are moved in full leaf, spray with anti-desiccant at nursery before moving and again 2 weeks after planting.

G. All trees and shrubs shall be sprayed with anti-desiccant material immediately after pruning.

H. After pruning, all trees shall be sprayed with insecticide and fungicide.

I. Wrap tree trunks of 2 inch caliper and larger. Start at ground and cover trunk to height of first branches and securely attach. Inspect tree trunks for injury, improper pruning, and insect infestation and take corrective measures before wrapping.

J. As indicated in the Drawings, trees shall be guyed immediately after planting. Pieces of rubber hose shall be used under the wires where they are attached to the trees. Wrapping material shall be wound spirally from the ground line of the trunk to the first branch with 50% overlap. The wrapping shall be tied at not less than five places including the bottom, middle, and top. The wrapping shall be done as soon as practicable after planting, but not before the conditions of the trunks of the trees has been inspected and approved by the Landscape Architect.

811.03.02 **Plant Establishment Period**

A. Begin maintenance immediately after planting.

B. Maintain trees until expiration of maintenance bond period, but in no case less than following period:

- 1. 1 year after completion of planting.

C. Maintain trees by pruning, cultivating, and weeding as required for healthy growth. Restore planting saucers. Tighten and repair stake and guy supports and reset trees and shrubs to proper grades or vertical position as required. Restore or replace damaged wrappings. Spray as required to keep trees and shrubs free of insects and disease.

D. Maintenance to be performed by the Contractor shall include watering of plant material at least once monthly from June 15th to September 15th, cultivation, weeding, seasonal spraying, pruning of plant material, and adjusting of stakes, guys, and wrapping, repairs of minor washouts and gullies, and other horticultural operations necessary for the proper growth of all plants.

811.04 **MEASUREMENT AND PAYMENT**

Payment for the Landscaping shall be on a Lump Sum basis, at the price bid in the proposal for each unit, and shall include all necessary labor, materials, machinery, supplies, and all else necessary therefore and incidental thereto presenting upon completion of the project the landscaping, in accordance with plans, schedules, details, and specifications.

Pay Item

Pay Unit

LANDSCAPING (NEW SHADE TREES),
If & Where Directed

LUMP SUM

UNSPECIFIED CONSTRUCTION WORK ITEM (ALLOWANCE)
(If & Where Directed)
(ITEM # 47)

In the event that it is determined by the Engineer that additional or unforeseen work, materials, or items not shown on the plans or specified in the contract specifications are deemed to be necessary for the successful completion of the project, the Engineer shall notify the Contractor of the necessity for said work, stipulating its character and extent.

Upon receipt of such notification, the Contractor shall notify the Engineer, in writing, of the fair compensation, for which he proposes to perform the required work and identify the time to complete the work. No work shall be performed unless it has been ordered in writing as such by the Engineer before the said work started. Upon receipt of written authorization from the Engineer, the Contractor shall complete the work at the agreed upon price and schedule.

Unspecified construction must comply with the requirements of the specifications and as directed by the Engineer.

Payment allowance shall include, but is not limited to material, labor, equipment, supplies, storage, removal, disposal, testing, restoration, and all tasks incidental thereto as is necessary to complete the work. No additional payment will be made for the Unspecified Construction Work.

Pay Item
UNSPECIFIED CONSTRUCTION WORK ITEM
(If & Where Directed)

Pay Unit
ALLOWANCE

THE TOWNSHIP OF PISCATAWAY



SCHEDULE PAGES

A, B,C



MARIA E. VALENTE-CAEMMERER

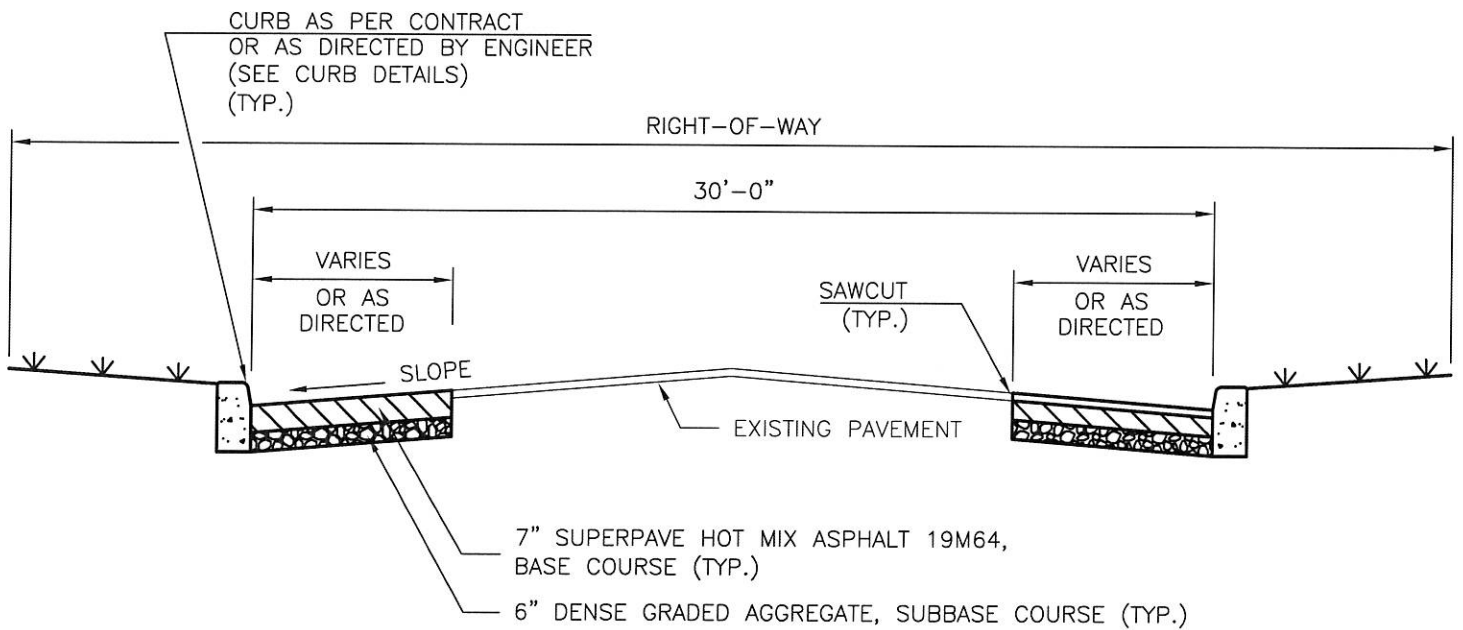
Purchasing Agent/Township Secretary

2022 Road Program - Curbs, Sidewalks & ADA Ramps SCHEDULE "B"			STREET NAMES																				
Item #	Description	Total Quantities Per Item Accumulated	IF AND WHERE DIRECTED																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	Construction Layout (If & Where Directed)	1 LS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Uniform Law Enforcement Officers, (If & Where Directed)	1 LS	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
3	Uniform Law Enforcement Officers w/Marked Vehicles, (If & Where Directed)	1 LS	NO	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
4	Asphalt Price Adjustment	\$10,000 LS																					
5	Fuel Price Adjustment	\$10,000 LS																					
6	Site Clearing and Restoration	1 LS																					
7	Excavation, Unclassified	3,216 CY	0	0	220	377	456	160	180	0	196	225	196	0	320	160	0	280	280	168	0	0	
8	Excavation, Unclassified Roadway	191 CY	0	0	11	20	27	10	11	0	12	14	12	0	20	10	0	17	17	10	0	0	
9	Excavation Unclassified, For Test Pits (If & Where Directed)	5 CY	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	Excavation, Regulated Material (If & Where Directed)	10 CY	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	Disposal of Regulated Material, Including Testing (If & Where Directed)	ALLOWANCE																					
12	Dense Graded Aggregate Base Course, 6" Thick Complete in Place	8,881 SY	0	27	500	1,050	1,270	424	460	0	545	625	535	0	910	450	0	780	825	480	0	0	
13	Hot Mix Asphalt, Base Course (19M64), 7" Thick Complete in Place (If & Where Directed)	4,098 TONS	0	0	225	483	585	200	220	0	250	290	250	0	420	210	0	360	380	225	0	0	
14	Modular Block Retaining Wall, Complete in Place (If & Where Directed)	745 SF	0	20	0	220	0	0	0	0	0	500	0	0	0	0	0	0	5	0	0	0	
15	Landscaping Timber Retaining Wall Complete in Place, (If & Where Directed)	5 SF	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	Concrete Masonry Block Retaining Wall Complete in Place, (If & Where Directed)	10 SF	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	8" PVC, Sch. 35, Storm Sewer w/Cleanouts, Complete in Place (If & Where Directed)	600 LF	0	0	0	0	0	0	0	0	0	0	0	0	0	600	0	0	0	0	0	0	
18	6" PVC, Sch. 35, Storm Sewer w/Cleanouts, Complete in Place (If & Where Directed)	820 LF	0	0	0	0	710	0	0	0	0	0	110	0	0	0	0	0	0	0	0	0	
19	4" PVC Sch. 35, Storm Sewer w/Cleanouts, Complete in Place (If & Where Directed)	110 LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	0	0	20	
20	Pop-Up Drainage Emitter Complete in Place (If & Where Directed)	67 UNIT	0	8	2	6	2	0	0	8	1	1	6	2	1	20	0	4	0	1	5	0	
21	Sanitary Sewer / Cleanout Relocation Complete in Place (If & Where Directed)	8 LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	
22	15" Reinforced Concrete Pipe Class III, Complete in Place (If & Where Directed)	5 LF	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	Remove Existing "B" Inlet and Construct New "B" Inlet Complete in Place, (If & Where Directed)	3 UNIT	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	Reconstruct Inlet, Using New Castings Complete in Place, (If & Where Directed)	1 UNIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
25	Concrete Sidewalk, 4" Thick Complete in Place (If & Where Directed)	2,057 SY	0	450	0	4	195	0	0	0	0	0	0	105	30	435	150	10	60	18	600	0	
26	Concrete Driveway Apron, 6" Thick Complete in Place (If & Where Directed)	1,721 SY	0	383	35	0	222	61	0	0	0	45	60	28	255	170	60	62	0	0	340	0	
27	Bituminous (HMA) Driveway Apron, 4" Thick Complete in Place (If & Where Directed)	13 SY	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	Hot Mix Asphalt Driveway, 4" Thick Complete in Place (If & Where Directed)	3,218 SY	0	265	95	295	333	70	65	95	90	210	195	60	280	375	155	275	135	65	160	0	
29	Paver Driveway Apron, 4" Thick Complete in Place (If & Where Directed)	1,710 SF	0	50	15	0	630	0	0	0	160	220	25	0	255	0	0	205	0	0	100	0	
30	Concrete Public Sidewalk Curb Ramp, 4" Thick, Complete in Place, Complete in Place,	567 SY	0	25	0	9	61	12	0	5	0	0	30	0	60	50	0	135	90	90	0	0	
31	Cast in Place Detectable/Tactile Warning Tile Complete in Place,	40 SY	0	2	0	1	4	1	0	0	0	0	0	1	3	2	0	11	9	0	6	0	
32	Eng. Design of Concr. Sidewalks ADA Ramps Complete in Place,	38 UN	0	2	0	1	4	1	0	0	0	0	0	1	3	2	0	11	9	0	4	0	
33	8"x9"x18" Concrete Vertical Curb, Complete in Place,	2,755 LF	0	2,160	0	30	50	5	20	0	0	0	0	0	10	50	10	30	110	230	30	0	
34	Concrete Combination Curb & Gutter, Complete in Place,	4,060 LF	0	60	0	235	0	0	0	75	0	0	2,500	280	0	770	0	0	160	0	0	0	
35	Belgium Block (Granite) Curb Complete in Place	22,666 LF	0	66	1,070	2,500	3,370	930	960	260	1,200	1,620	25	15	2,200	1,670	330	2,050	3,060	1,060	280	0	
36	Point Existing Belgian Block (Granite) Curb Complete in Place	1 LS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
37	Concrete Steps & Landing Walkway, Width Varies Complete in Place (If & Where Directed)	7 RISER	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	
38	Remove Trees, Over 6" to 12" Diameter, Complete in Place, (If & Where Directed)	19 UNIT	0	3	0	0	1	0	0	0	0	0	0	3	2	0	8	0	0	0	2	0	
39	Remove Trees, Over 12" to 18" Diameter, Complete in Place, (If & Where Directed)	22 UNIT	0	3	0	0	2	0	0	0	0	0	1	0	0	2	0	0	2	0	12	0	
40	Remove Trees, Over 18" to 24" Diameter, Complete in Place, (If & Where Directed)	28 UNIT	0	3	0	2	1	0	0	0	0	0	3	0	0	5	1	0	5	0	8	0	
41	Remove Trees, Over 24" to 30" Diameter, Complete in Place, (If & Where Directed)	7 UNIT	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	0	3	0	
42	Remove Trees, Over 30" to 36" Diameter, Complete in Place, (If & Where Directed)	6 UNIT	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2	1	1	1	0	
43	Remove Trees, Over 36" Diameter, Complete in Place, (If & Where Directed)	9 UNIT	0	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	3	0	0	0	
44	Topsolling, 4" Thick (If & Where Directed)	13,410 SY	0	350	1,610	2,045	620	595	0	730	860	1,100	0	1,300	850	0	1,110	1,600	640	0	0	0	
45	Fertilizing, Seeding and Mulching (If & Where Directed)	13,410 SY	0	350	1,610	2,045	620	595	0	730	860	1,100	0	1,300	850	0	1,110	1,600	640	0	0	0	
46	Landscaping (New Shade Trees) (If & Where Directed)	1 LS																					
47	Unspecified Construction Work (If & Where Directed)	ALLOWANCE																					

SCHEDULE “C”

TOWNSHIP OF
PISCATAWAY

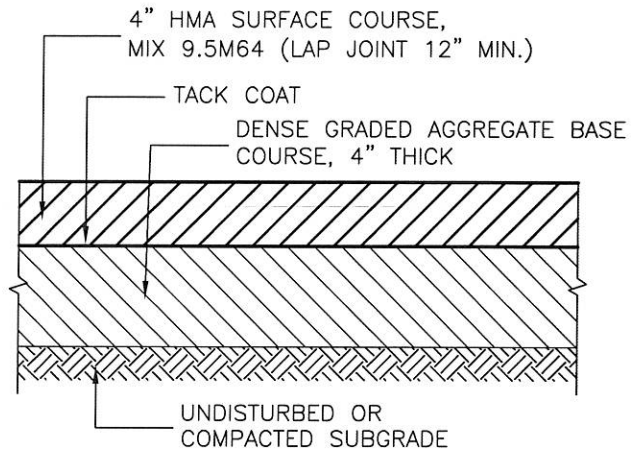
STANDARD DETAILS



NOTE: TYPICAL ROAD SECTION FOR ROADWAY WIDENING IS TO BE USED FOR AREAS AS PER CONTRACT, CONTRACTOR TO ADJUST GRADES AS REQUIRED, OR AS DIRECTED BY ENGINEER.

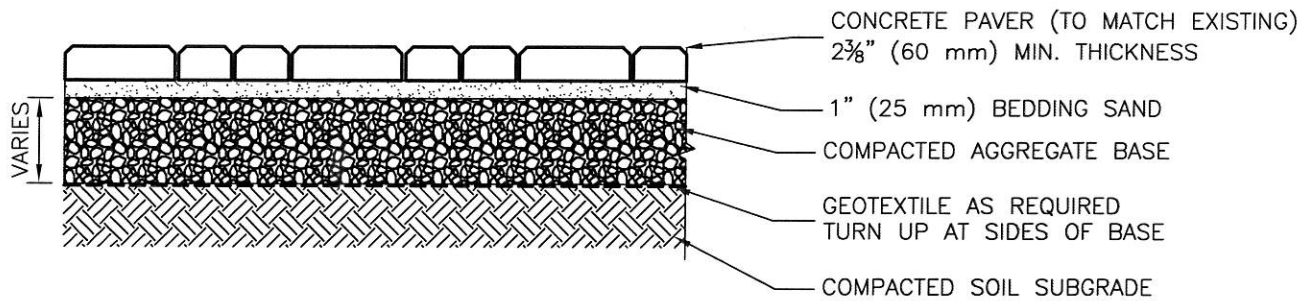
TYPICAL ROADWAY
SECTION

N.T.S.



BITUMINOUS DRIVEWAY DETAIL

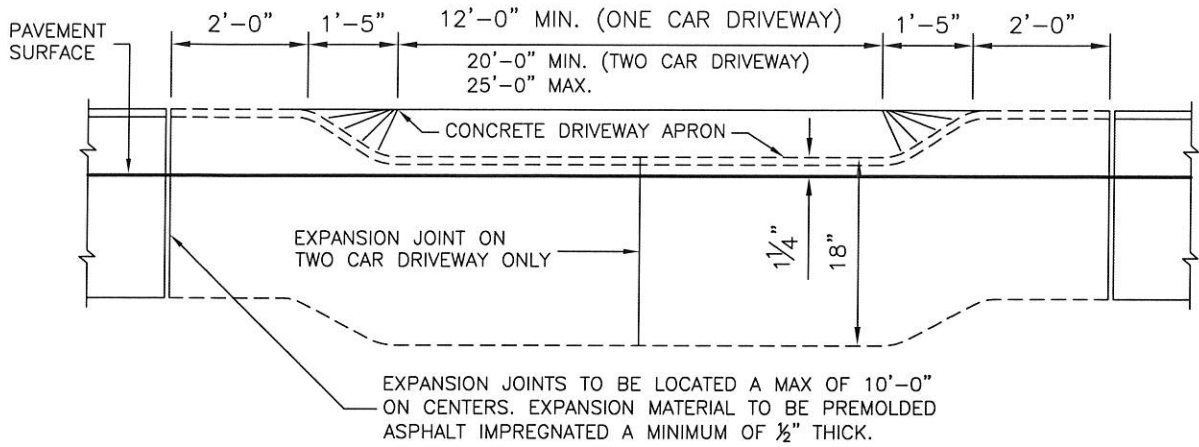
N.T.S.



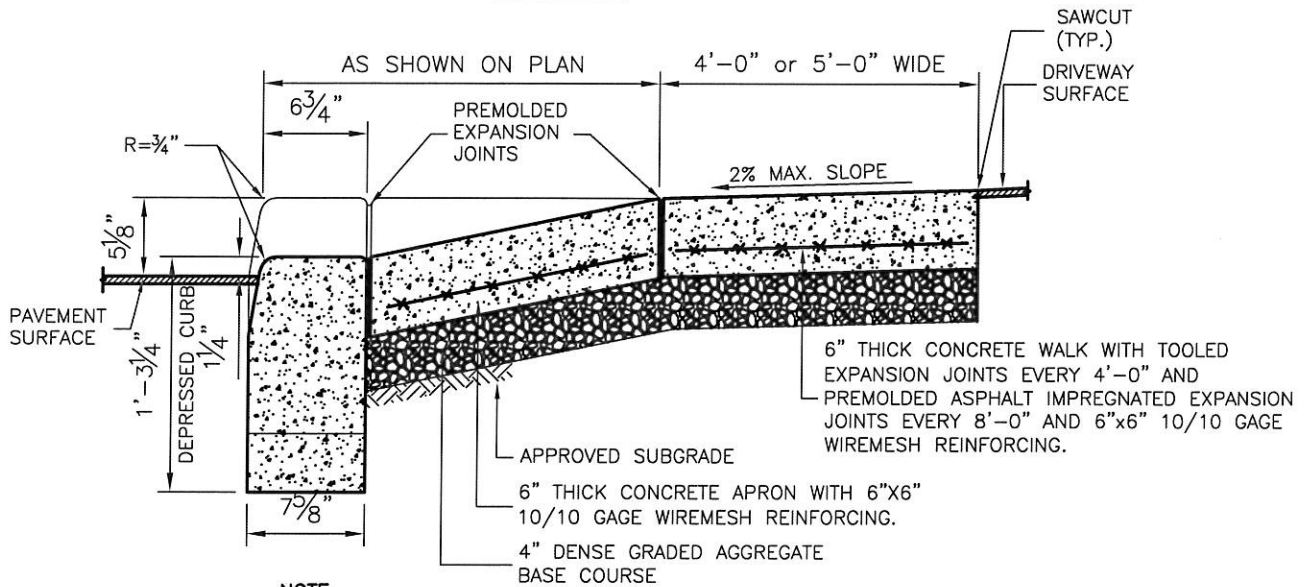
NOTE:
THICKNESS OF AGGREGATE BASE WILL VARY WITH SUBGRADE
CONDITIONS AND CLIMATE. COLDER CLIMATE MAY REQUIRE
THICKER BASES.

PAVER DRIVEWAY REPAIR

N.T.S.



ELEVATION



NOTE:
ALL CONCRETE TO BE 4500 P.S.I. MIN.

NOTES:

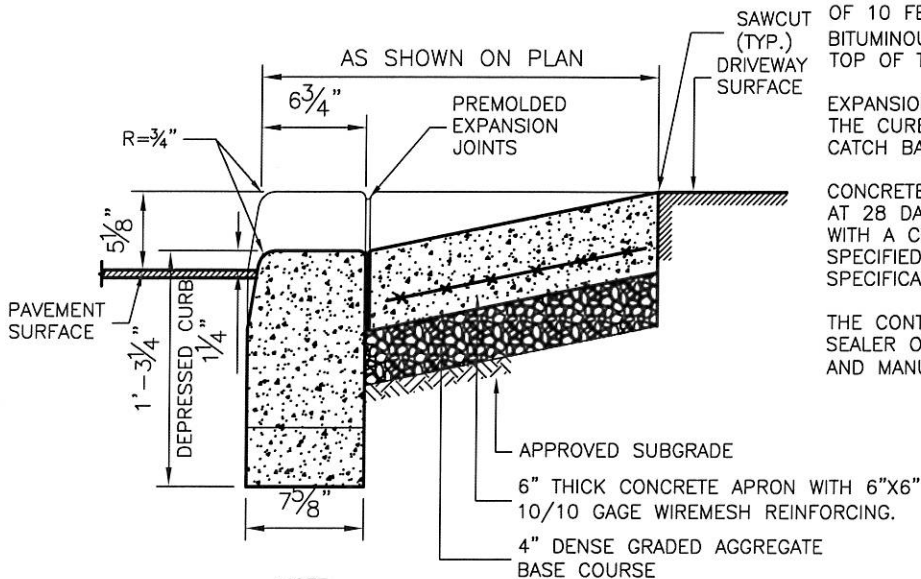
SECTION WITH SIDEWALK

OPEN JOINTS SHALL BE PROVIDED AT INTERVALS OF 10 FEET AND SHALL BE FILLED WITH 1/2 INCH BITUMINOUS 1/4 INCH FROM THE FRONT FACE AND TOP OF THE CURB.

EXPANSION JOINTS SHALL BE INSTALLED WHERE THE CURB IS ADJACENT TO SIDEWALKS AND CATCH BASINS.

CONCRETE SHALL BE AIR ENTRAINED 4,500 P.S.I. AT 28 DAY TEST. CONCRETE SHALL BE CURED WITH A COLORLESS CURING COMPOUND AS SPECIFIED IN THE 2019 NJDOT STANDARD SPECIFICATIONS, SECTION 903

THE CONTRACTOR SHALL APPLY CONCRETE SEALER OR WATER REPELLANT AS PER CONTRACT AND MANUFACTURER'S SPECIFICATIONS.



NOTE:
ALL CONCRETE TO BE 4500 P.S.I. MIN.

SECTION WITHOUT SIDEWALK

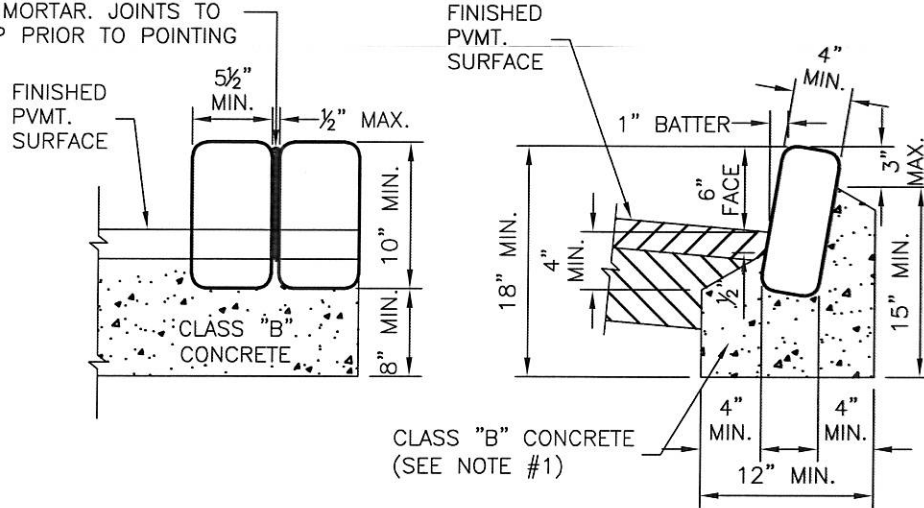
**DEPRESSED CURB, DRIVEWAY ENTRANCE
APRON & SIDEWALK DETAIL**

N.T.S.

GRANITE BLOCK CURB NOTES:

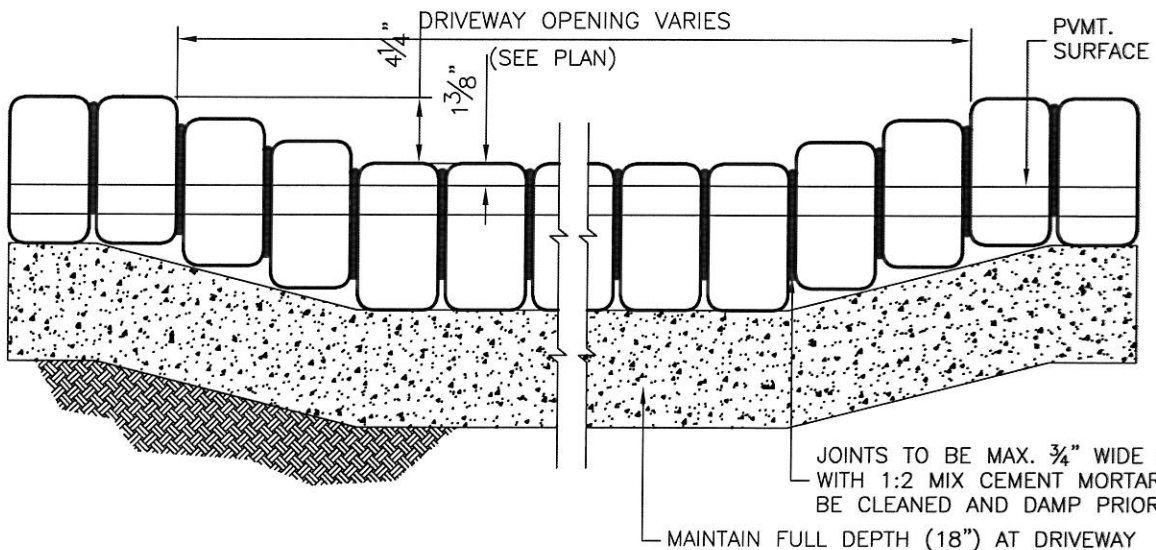
1. CONCRETE TO TEST 4500 PSI MINIMUM ON 28 DAY COMPRESSIVE TEST.
2. ALL CONCRETE IS TO BE PROPERLY CURED USING A CURING COMPOUND, SALT HAY, BURLAP OR OTHER METHOD ACCEPTABLE BY THE TOWNSHIP ENGINEER.
3. CONCRETE SLUMP TO BE 3" (± 1 "), OR AS DIRECTED BY THE TOWNSHIP ENGINEER.
4. CONTRACTORS TO NOTIFY TOWNSHIP ENGINEER 24 HOURS PRIOR TO POURING.

JOINTS TO BE MAX $\frac{1}{2}$ " WIDE AND POINTED, WITH 1:2 MIX CEMENT MORTAR. JOINTS TO BE CLEANED AND DAMP PRIOR TO POINTING



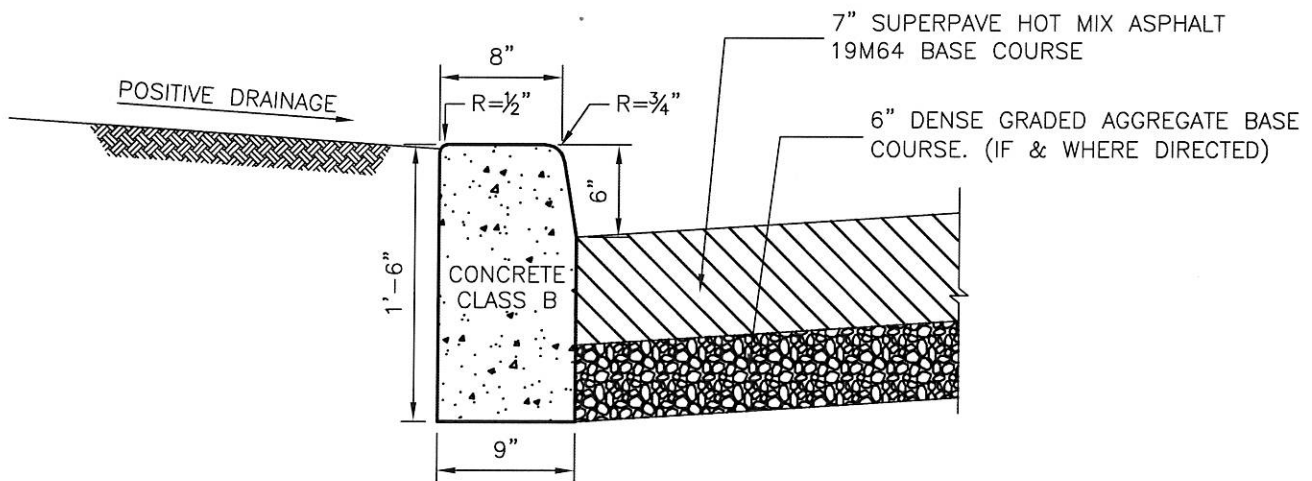
GRANITE BLOCK CURB

N.T.S.



DEPRESSED GRANITE BLOCK CURB AT DRIVEWAYS

N.T.S.

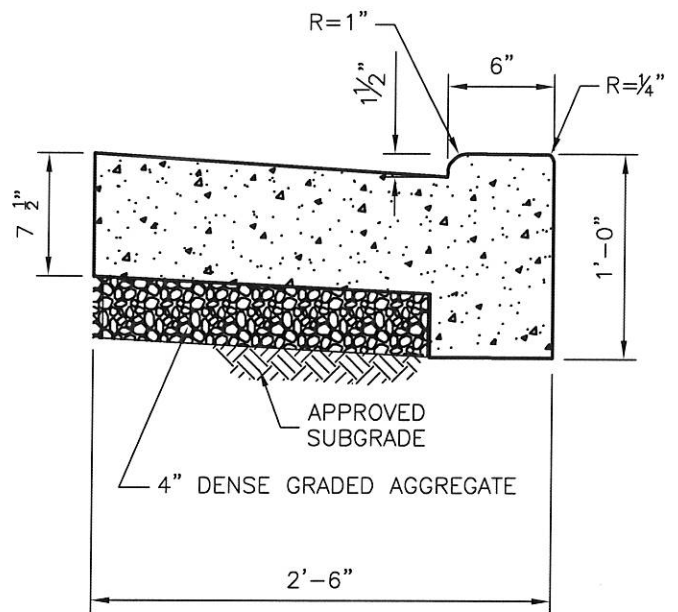
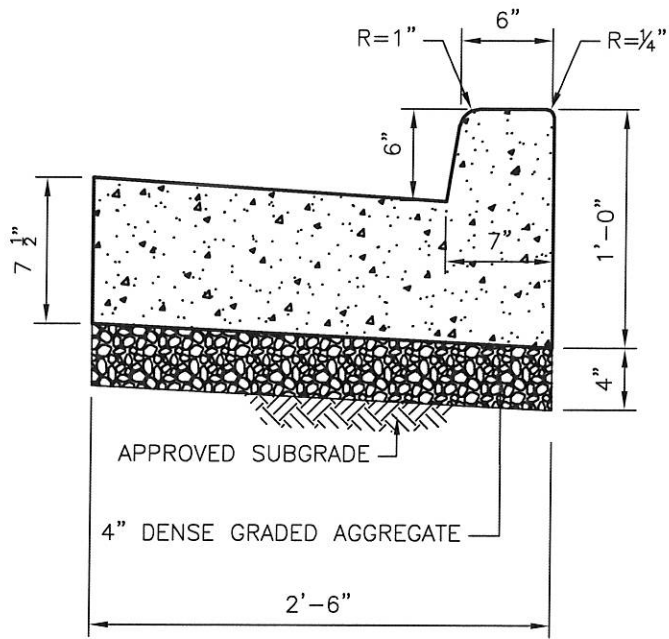


TRANSVERSE JOINTS $1/2"$ WIDE SHALL BE INSTALLED IN THE CURB 10'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.T.O. SPEC. M-213, RECESSED $1/4"$ IN FROM FRONT FACE AND TOP OF CURB. EXPANSION JOINTS THROUGH AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB. DISTURBANCE AND SUBSEQUENT RESTORATION OF THE AREA BEHIND THE CURB SHALL BE LIMITED TO A MAXIMUM OF 2 FEET. PAYMENT FOR ANY PAVEMENT RESTORATION ASSOCIATED WITH CURB CONSTRUCTION SHALL BE INCLUDED IN THE BID ITEM 8"x9"x18" CONCRETE VERTICAL CURB.

THE CONTRACTOR SHALL APPLY CONCRETE SEALER OR WATER REPELLANT AS PER CONTRACT AND MANUFACTURER'S SPECIFICATIONS.

8" x 9" x 18" CONCRETE VERTICAL CURB

N.T.S.

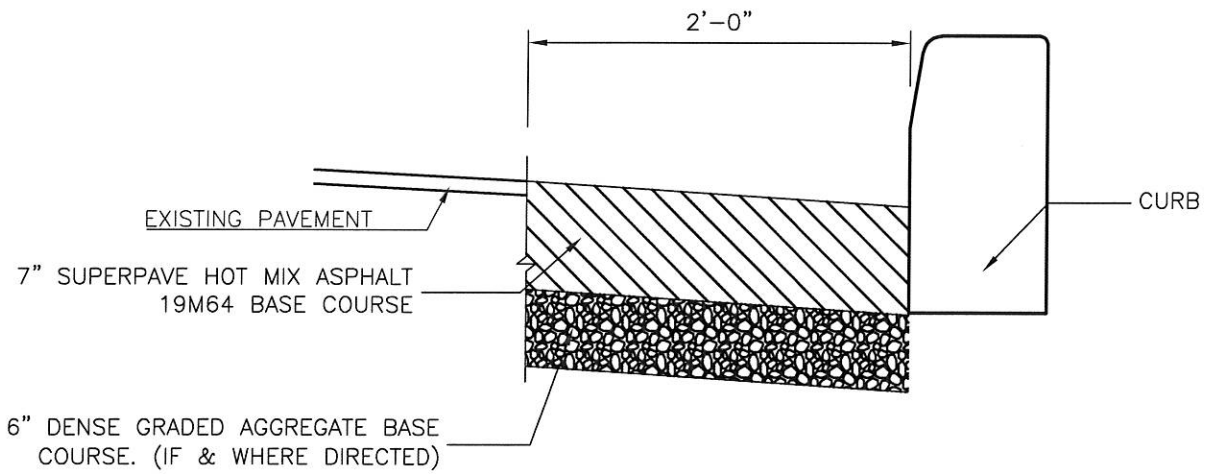
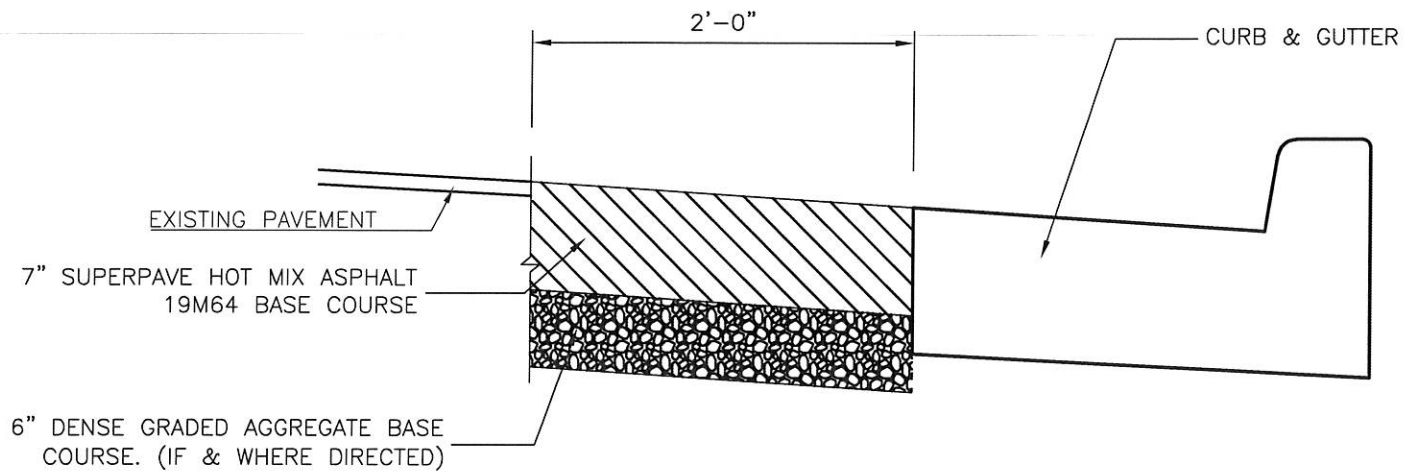


NOTE:
 ALL CONCRETE TO BE 4500 P.S.I. MIN.
 THE CONTRACTOR SHALL APPLY CONCRETE
 SEALER OR WATER REPELLANT AS PER
 CONTRACT AND MANUFACTURER'S SPECIFICATIONS

**DEPRESSED CURB &
 GUTTER AT DRIVEWAYS**

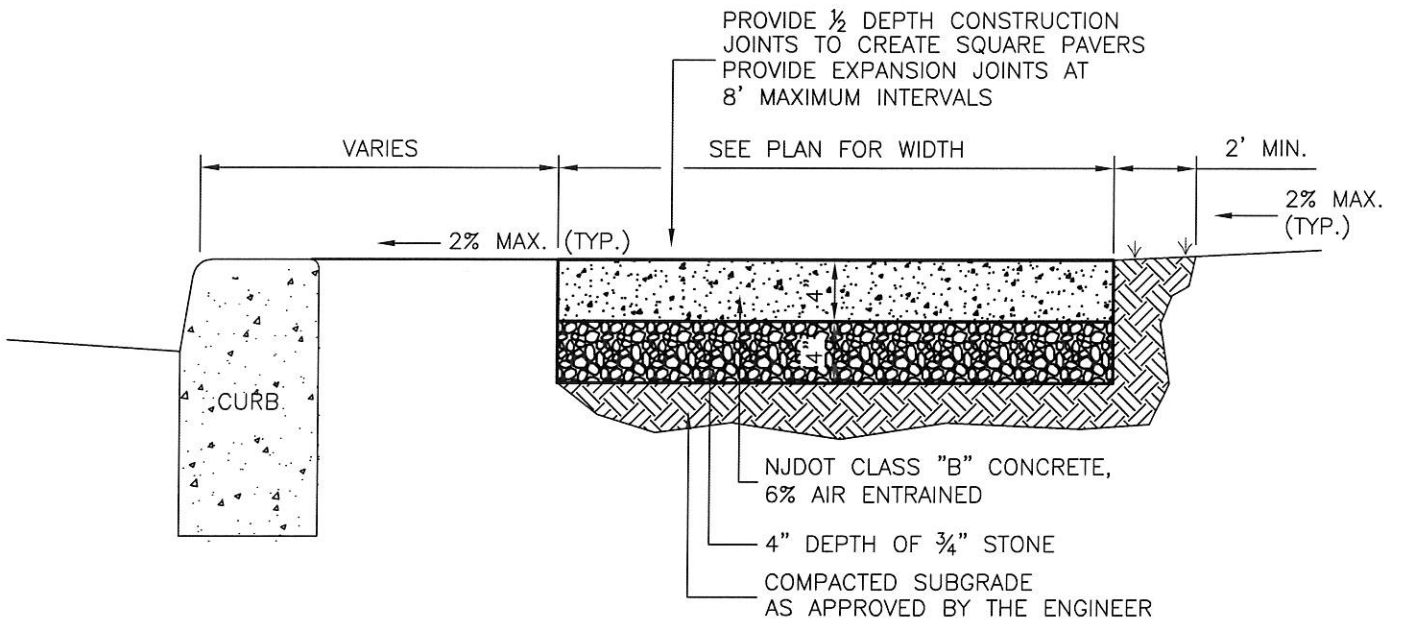
MONOLITHIC CONCRETE CURB AND GUTTER

N.T.S



ROAD PAVEMENT RESTORATION DETAIL

N.T.S.



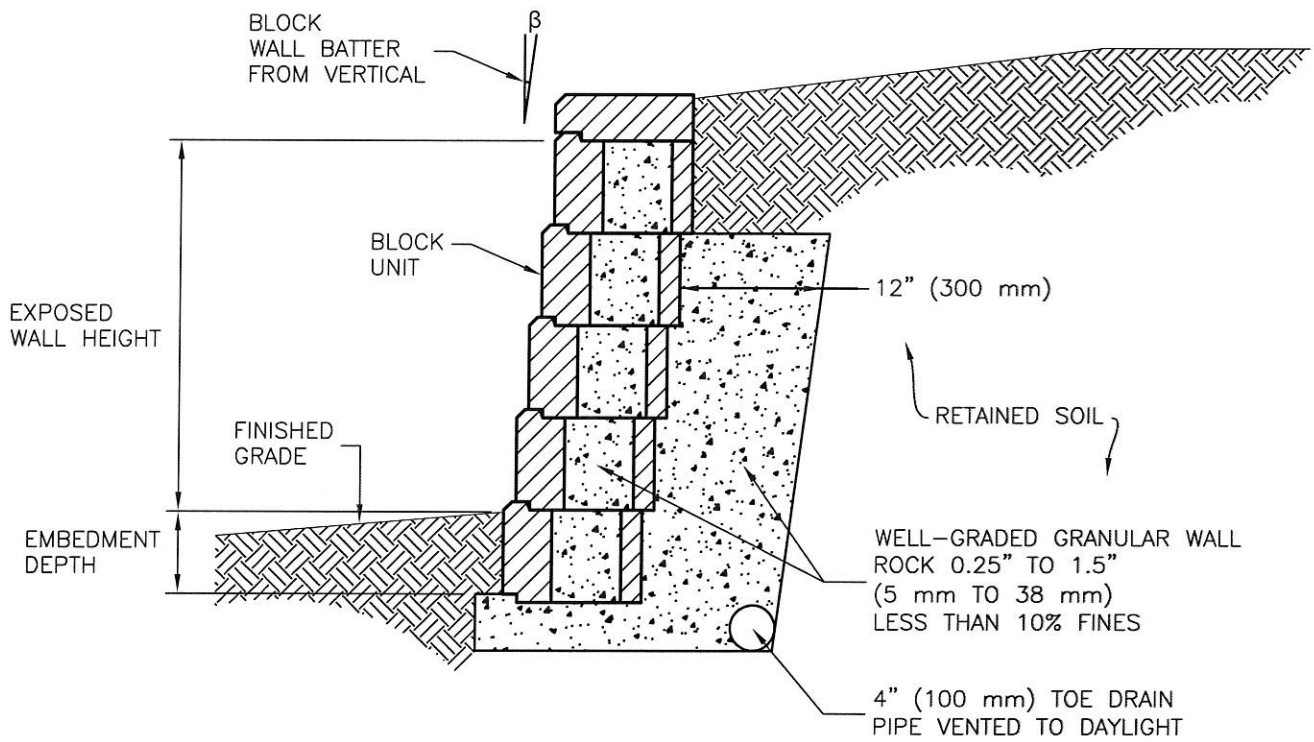
NOTES:

EXPANSION JOINTS SHALL BE PREFORMED ASPHALTIC JOINT FILLER COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.T.O. SPEC. M-33, RECESSED 1/4" IN FROM THE SIDEWALK SURFACE.

THE CONTRACTOR SHALL APPLY CONCRETE SEALER OR WATER REPELLANT AS PER CONTRACT AND MANUFACTURER'S SPECIFICATIONS.

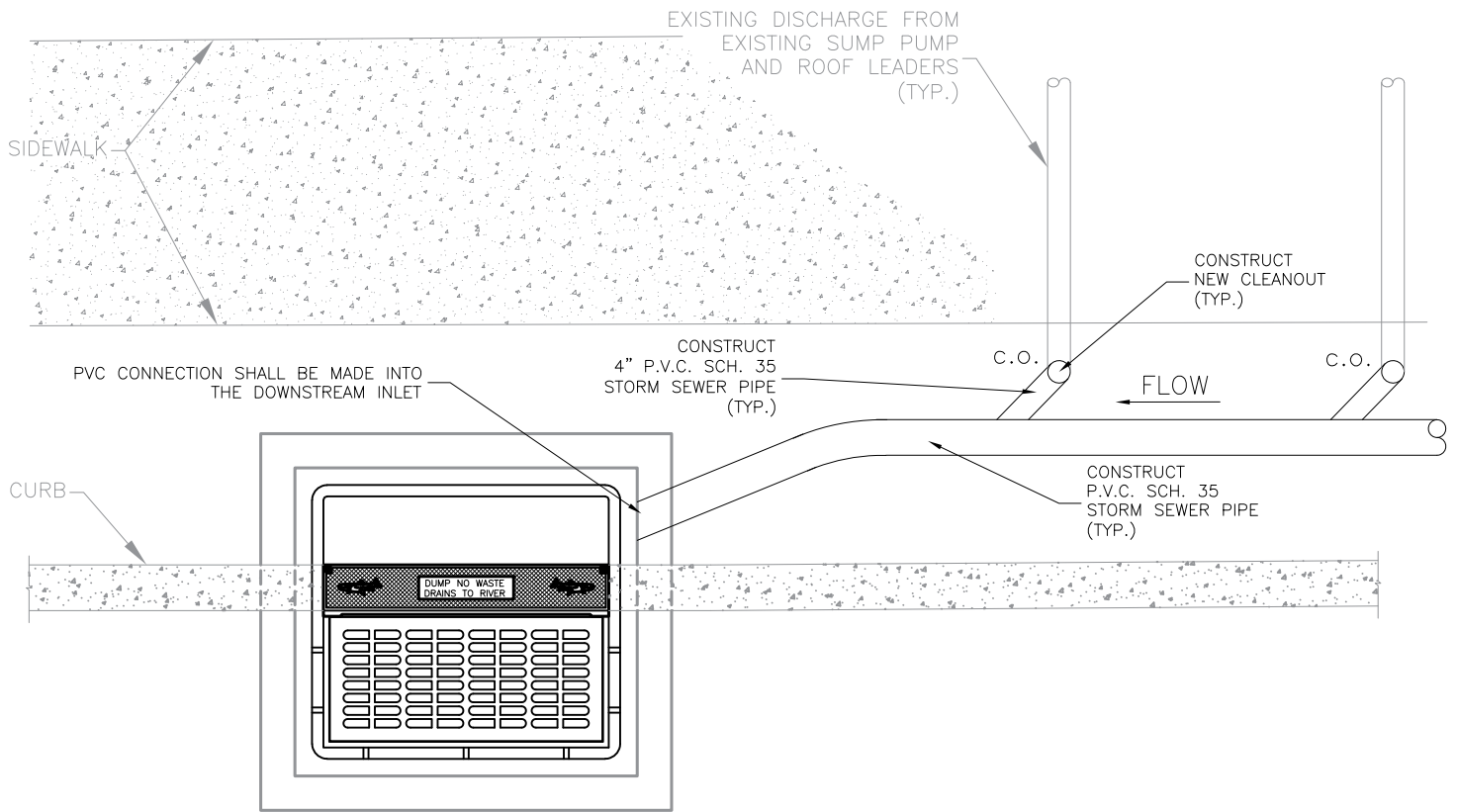
CONCRETE SIDEWALK 4" THICK

N.T.S.



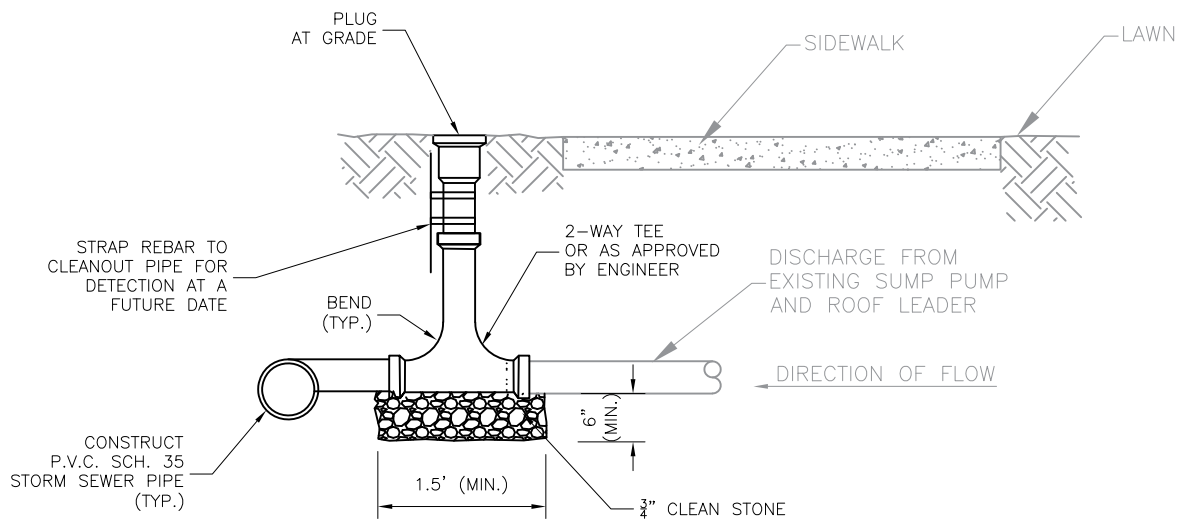
MODULAR BLOCK RETAINING WALL DETAIL

N.T.S.



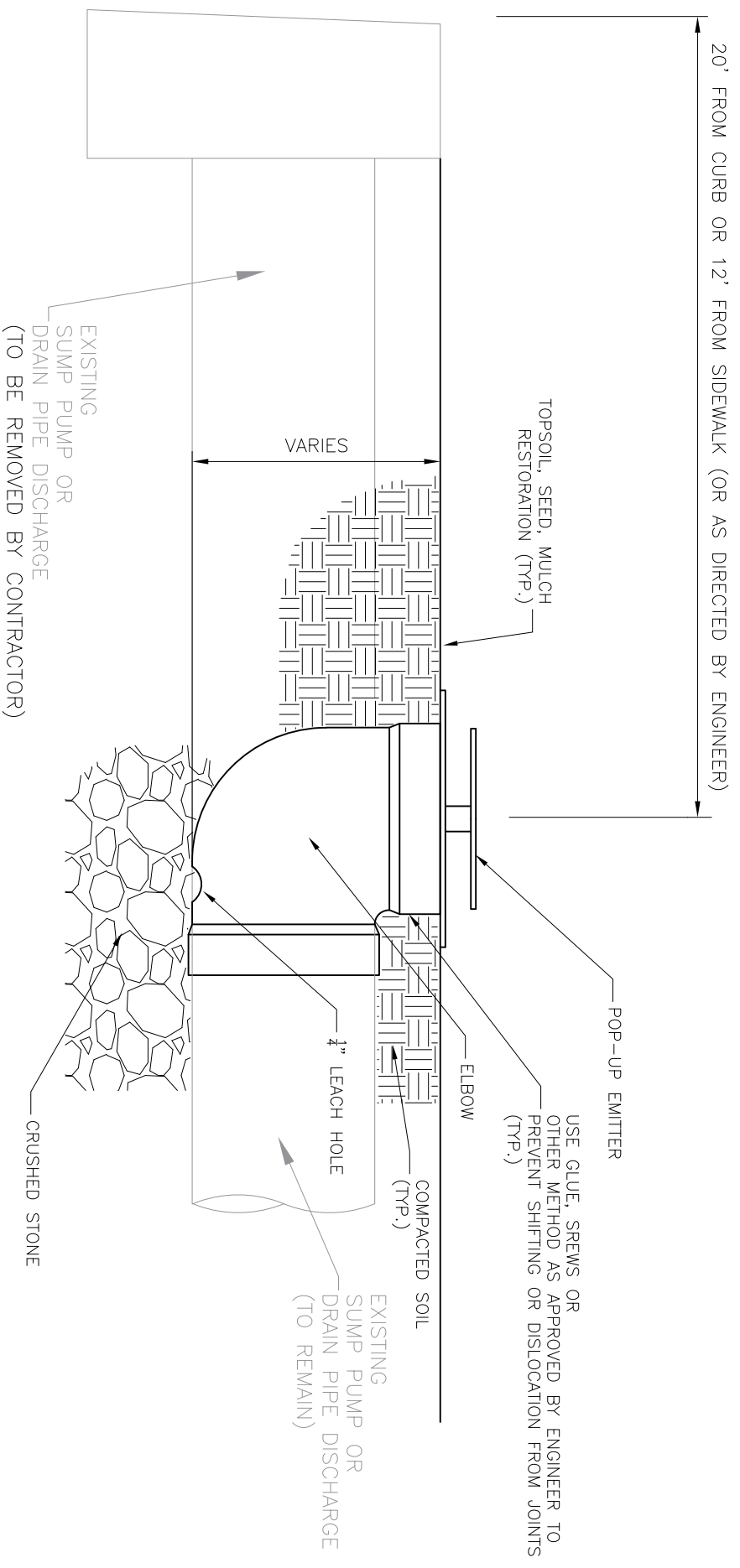
SUMP PUMP / ROOF LEADER DISCHARGE CONNECTION

N.T.S.



SUMP PUMP / ROOF LEADER CONNECTION

N.T.S.

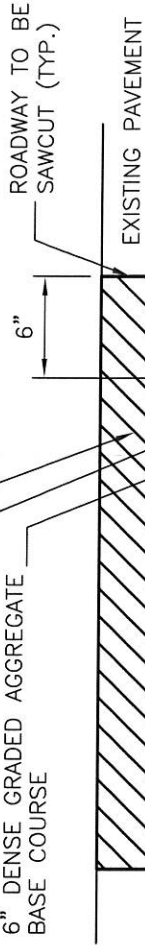


POP UP DRAINAGE EMITTER DETAIL
N.T.S.

2" THICK (MIN.) HOT MIX ASPHALT, MIX 9.5M64.
 5" THICK (MIN.) HOT MIX ASPHALT, MIX 19M64.

6" DENSE GRADED AGGREGATE BASE COURSE

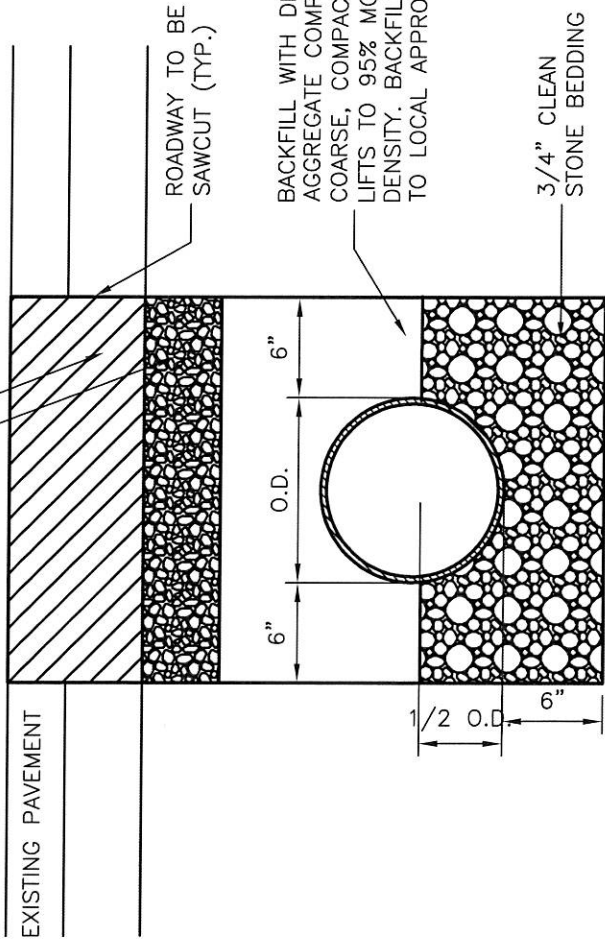
7" BITUMINOUS STABILIZED BASE COURSE
 6" DENSE GRADED AGGREGATE BASE COURSE



ROADWAY TO BE SAWCUT (TYP.)

BACKFILL WITH DENSE GRADED AGGREGATE COMPACTED, BASE COARSE, COMPACTED IN 6" LIFTS TO 95% MODIFIED PROCTOR DENSITY. BACKFILL SUBJECT TO LOCAL APPROVAL.

BACKFILL WITH DENSE GRADED AGGREGATE COMPACTED, BASE COARSE, COMPACTED IN 6" LIFTS TO 95% MODIFIED PROCTOR DENSITY. BACKFILL SUBJECT TO LOCAL APPROVAL.



3/4" CLEAN STONE BEDDING

TEMPORARY PAVEMENT PATCHING

NOTES:

INITIAL TRENCH REPAIR WILL CONSIST OF 6" DENSE GRADED AGGREGATE AND 7" BITUMINOUS STABILIZED BASE COURSE TO MEET EXISTING GRADE. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL MILL 2" OF THE STABILIZED BASE COURSE AND PLACE 2" OF BITUMINOUS SURFACE COURSE. THIS TYPE OF TRENCH REPAIR SHALL BE PROVIDED. THE COST OF DENSE GRADED AGGREGATE, PIPE BEDDING, AND PAVEMENT REPAIR CONSISTING OF BITUMINOUS SURFACE COURSE, BITUMINOUS STABILIZED BASE COURSE, AND DENSE GRADED AGGREGATE AS INDICATED ON THE DETAILS SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PIPE BID ITEMS.

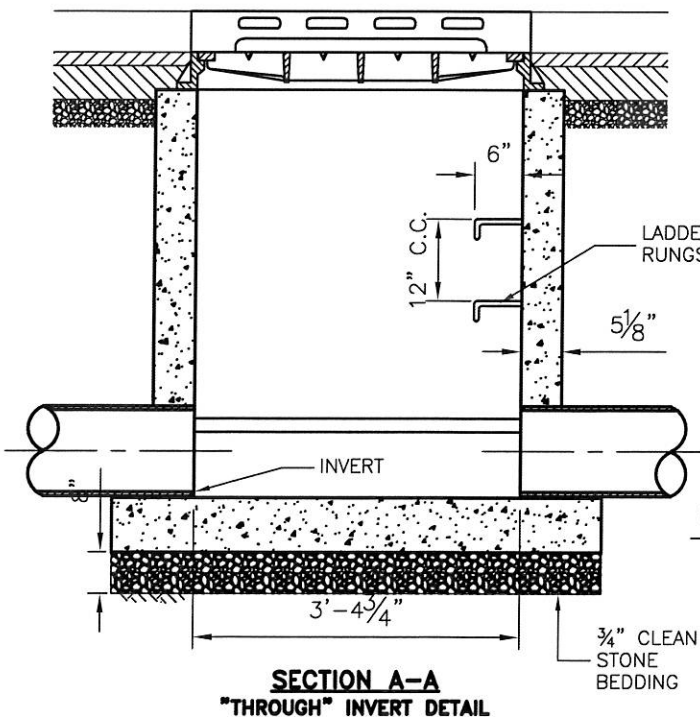
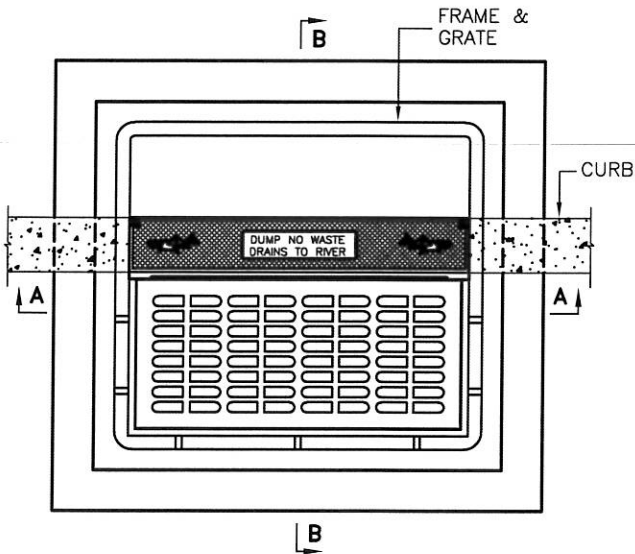
PERMANENT PAVEMENT REPAIR

TRENCH DETAIL FOR PIPE WITHIN ROADWAY

N.T.S.

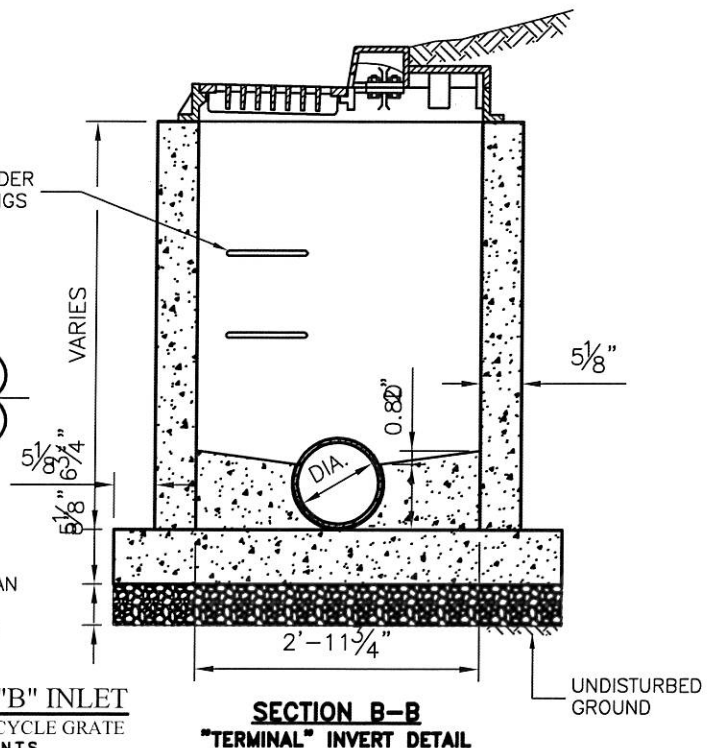
NOTES:

1. INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS, BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
2. THIS INLET MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE WALLS SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE, WITH 1/2" CEMENT PLASTER TROWELED TO A SMOOTH FINISH.
3. PROVIDE COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNGS @ 12" C.C., LADDER RUNGS FACING TRAFFIC.
4. INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NOS. 2617 & 2618 OR APPROVED EQUAL.
5. WHEN ADDITIONAL DEPTH IS SCHEDULED, WALLS BELOW THE DEPTH OR 8'-0" MEASURED FROM THE TOP OF GRATE TO INVERT, SHALL BE 12" THICK IF CONCRETE, OR DOUBLE BLOCK IF BLOCK. THE FOUNDATION DIMENSION SHALL BE INCREASED 12" IN WIDTH AND TO 12" IN DEPTH.
6. CLASS "C" CONCRETE TO BE USED IF CONSTRUCTED OF CAST IN PLACE CONCRETE OR CONCRETE OR CONCRETE BLOCK AND CLASS "B" CONCRETE TO BE USED IF PRECAST CONCRETE.
7. IN ACID SOILS, TWO COATS OF BITUMASTIC WATER PROOFING SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION.
8. FRAME AND GRATE TO BE CAMPBELL FOUNDRY - 2618 CURB INLET-NJ TYPE B WITH BICYCLE SAFE GRATE AND TYPE "N" ECO CURB PIECE W/ LETTERING "DUMP NO WASTE" (FISH) "DRAINS TO WATERWAY". ADJUST TO GRADE WITH CONCRETE BRICK (MAX. 12") OR CONCRETE GRADE RING AS REQUIRED. FRAME TO BE SET IN FULL BED OF STIFF MORTAR.

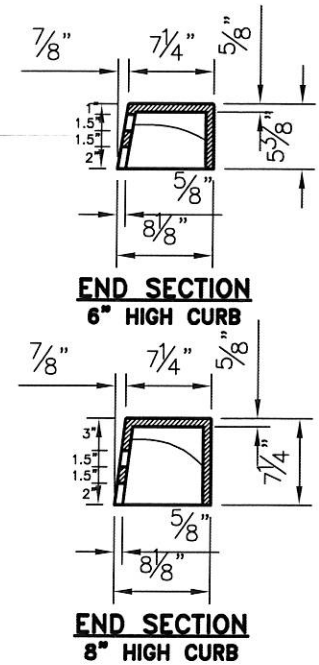
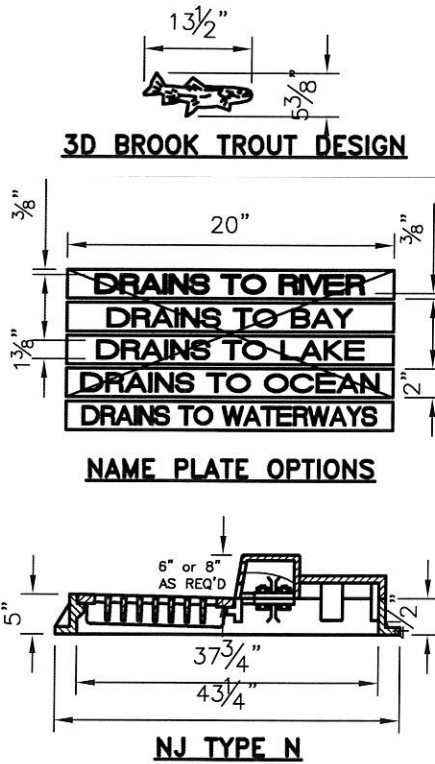
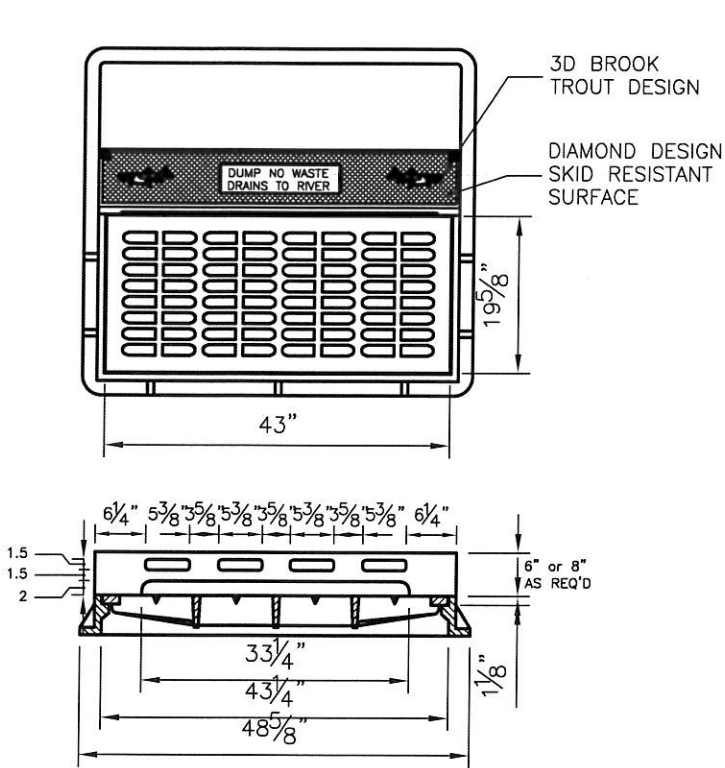


SECTION A-A
"THROUGH" INVERT DETAIL

TYPE "B" INLET
WITH BICYCLE GRATE
N.T.S.



SECTION B-B
"TERMINAL" INVERT DETAIL



NOTES:

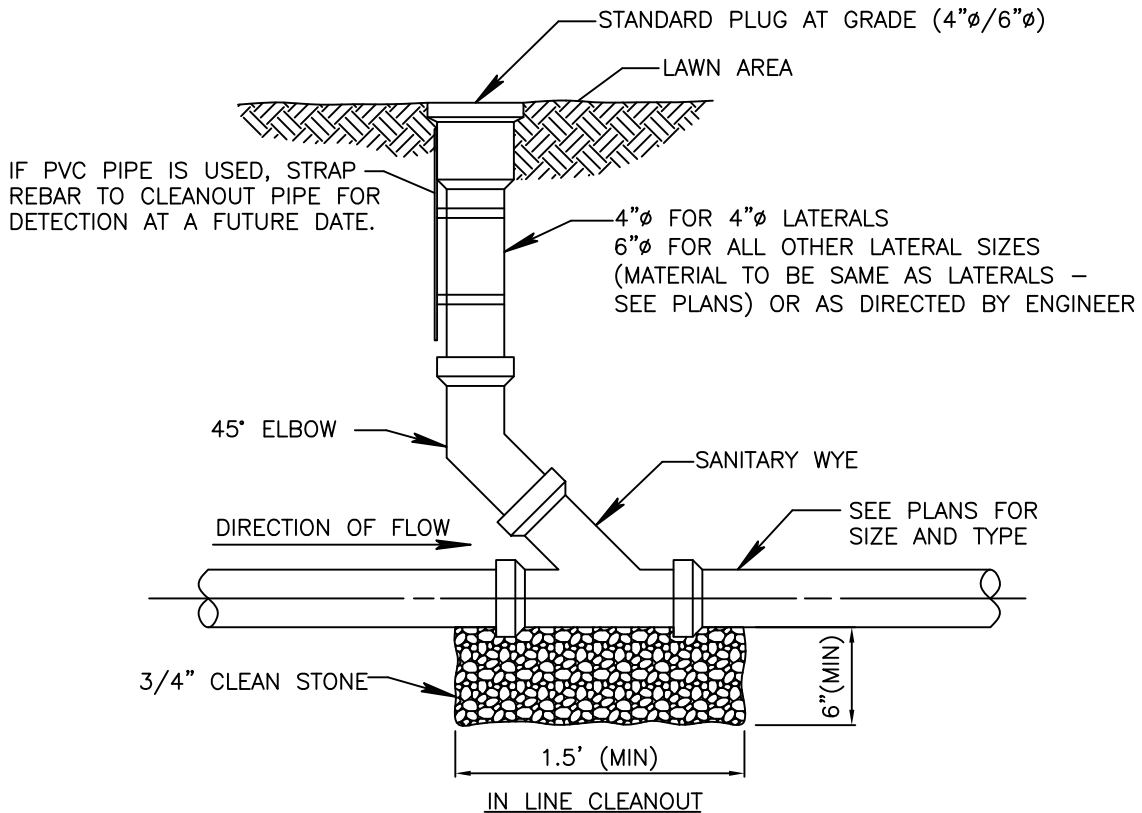
1. MATERIALS: GREY CAST IRON ASTM A48-83, CLASS 30B.
2. AASHTO HS20-44 HIGHWAY LOADING.
3. SUPPLIED WITHOUT SURFACE COATING.

CURB PIECE TYPE N - ECO NOTES:

1. IN RETROFIT SITUATIONS THIS CURB PIECE (HEAD) WILL FIT EXISTING CAMPBELL FOUNDRY CO. MANUFACTURED CURB INLETS FOR NJDOT TYPES B, B-1, B-2, D, D-1, AND D-2.
2. NAMEPLATE MESSAGE CAN BE MODIFIED TO YOUR SPECIFIC NEEDS WITHIN AREA SHOWN.

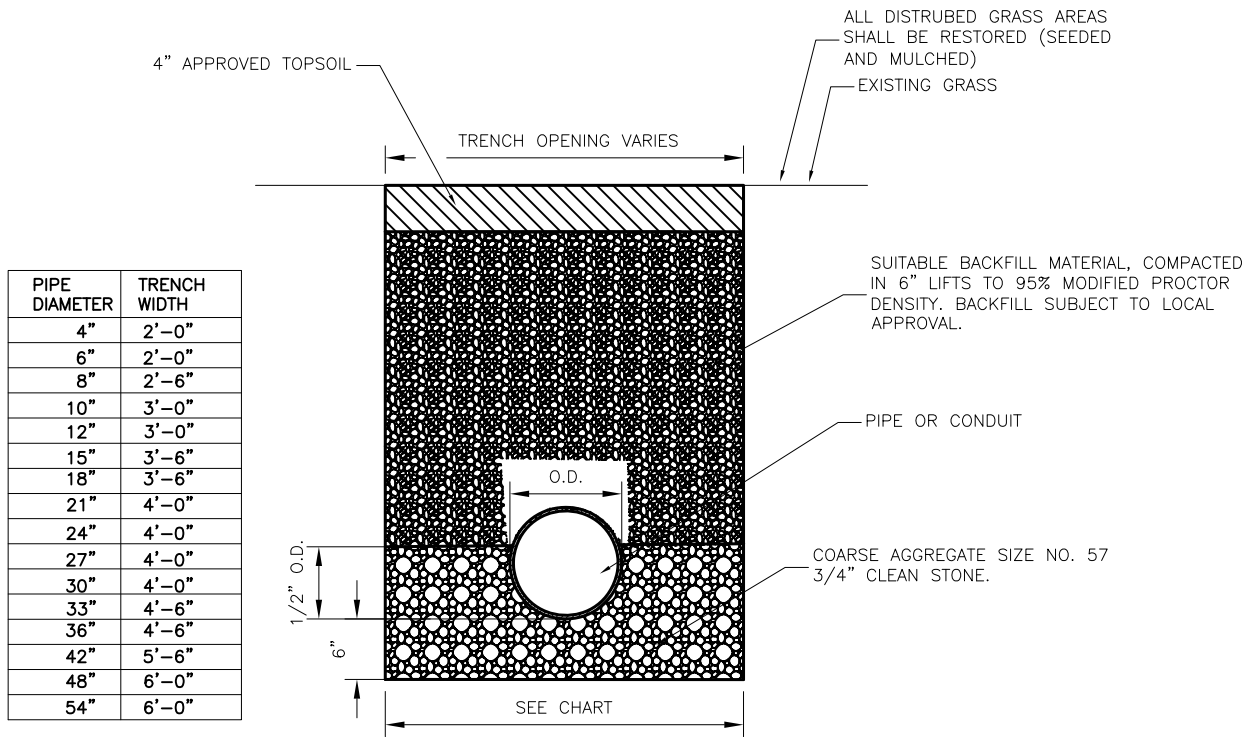
**CURB INLET WITH BICYCLE SAFE
GRATE AND ECO CURB PIECE TYPE 'N'**

(CAMPBELL FOUNDRY COMPANY PATTERN No. 2618)
N.T.S.



CLEANOUT - SANITARY SEWER

N.T.S.



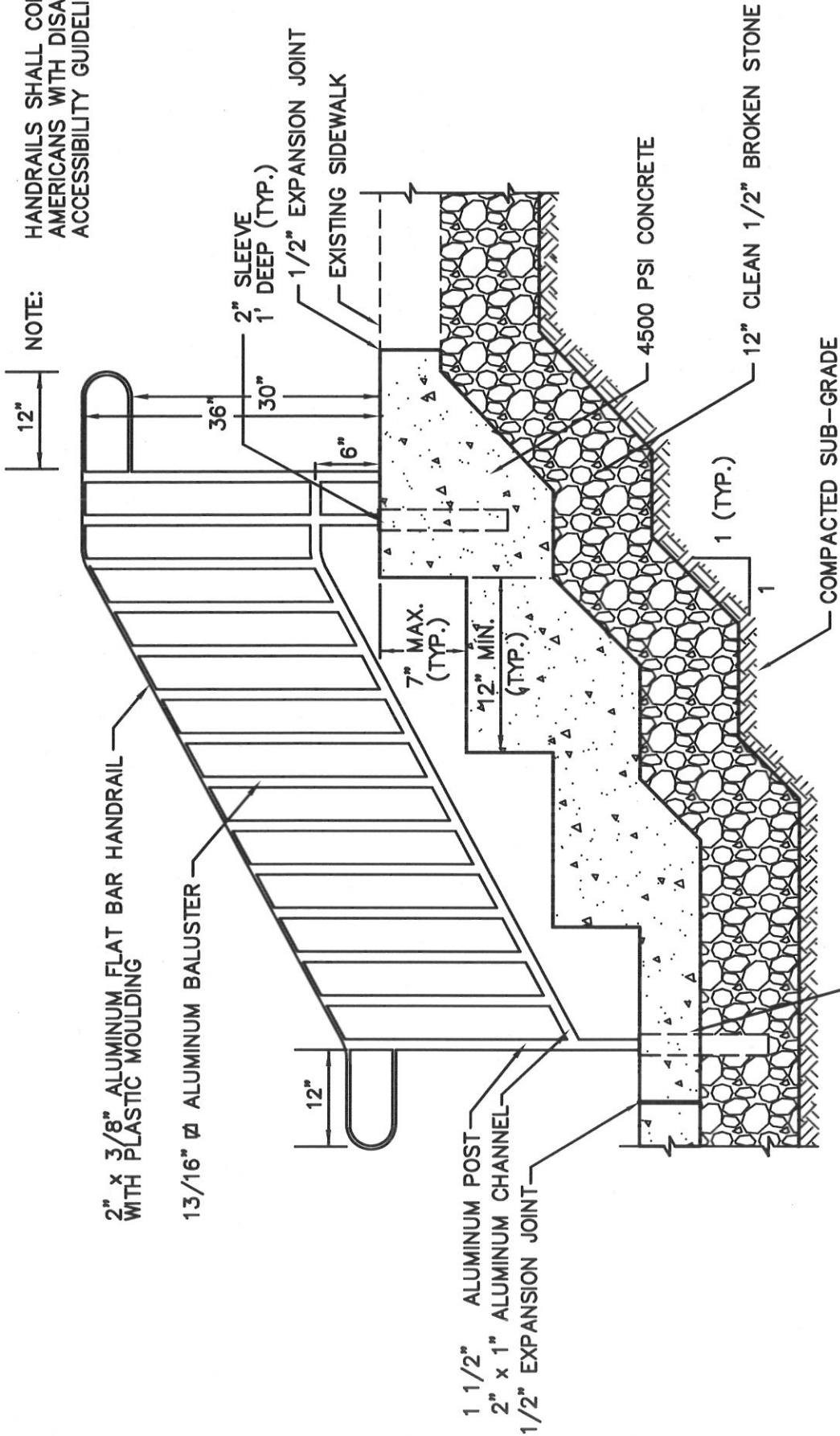
NOTES:

1. GRADE EXISTING SUBSOIL TO 4" BELOW FISHED GRADE.
2. PLACE 4" OF TOPSOIL OVER SUBSOIL (TOPSOIL MUST BE ACCEPTABLE TO TOWNSHIP ENGINEER)
3. LIME SOIL WITH PULVERIZED LIMESTONE (APPLIED AT A RATE OF 90 LBS. PER 1,000 S.F.)
4. FERTILIZE THE AREA WITH A 1-2-1 RATIO OF FERTILIZED CONTAINING A MINIMUM OF 5 PERCENT NITROGEN 10 PERCENT AVAILABLE PHOSPHORIC ACID AND 5 PERCENT SOLUBLE POTASH. (APPLIED AT A RATE OF 11 LBS. PER 1,000 S.F. FOR 10-20-10)
5. PREPARE SEEDBED BY WORKING LIME AND FERTILIZED INTO THE TOP 1/3 OF TOPSOIL. FIRM ENTIRE SEEDBED.
6. APPLY APPROVED SEED UNIFORMLY OVER ENTIRE AREA (APPLIED AT A RATE OF 1.5 LBS. PER 1,000 S.F.) SEED IS TO CONSIST OF A 60% MIX OF RED FESCUE (CREEPING OR CHEWING) AND 40% PERENNIAL RYEGRASS (MANHATTAN) OR APPROVED EQUAL.
7. INCORPORATE SEED INTO TOP 1/4 - 1/2" OF TOPSOIL BY RAKING.
8. EVENLY DISTRIBUTE APPROVED STRAW MULCH (APPLIED AT A RATE 70-90 LBS. PER 1,000 S.F.)

TRENCH DETAIL FOR PIPE WITHIN GRASS AREA

N.T.S.

HANDRAILS SHALL COMPLY WITH AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES

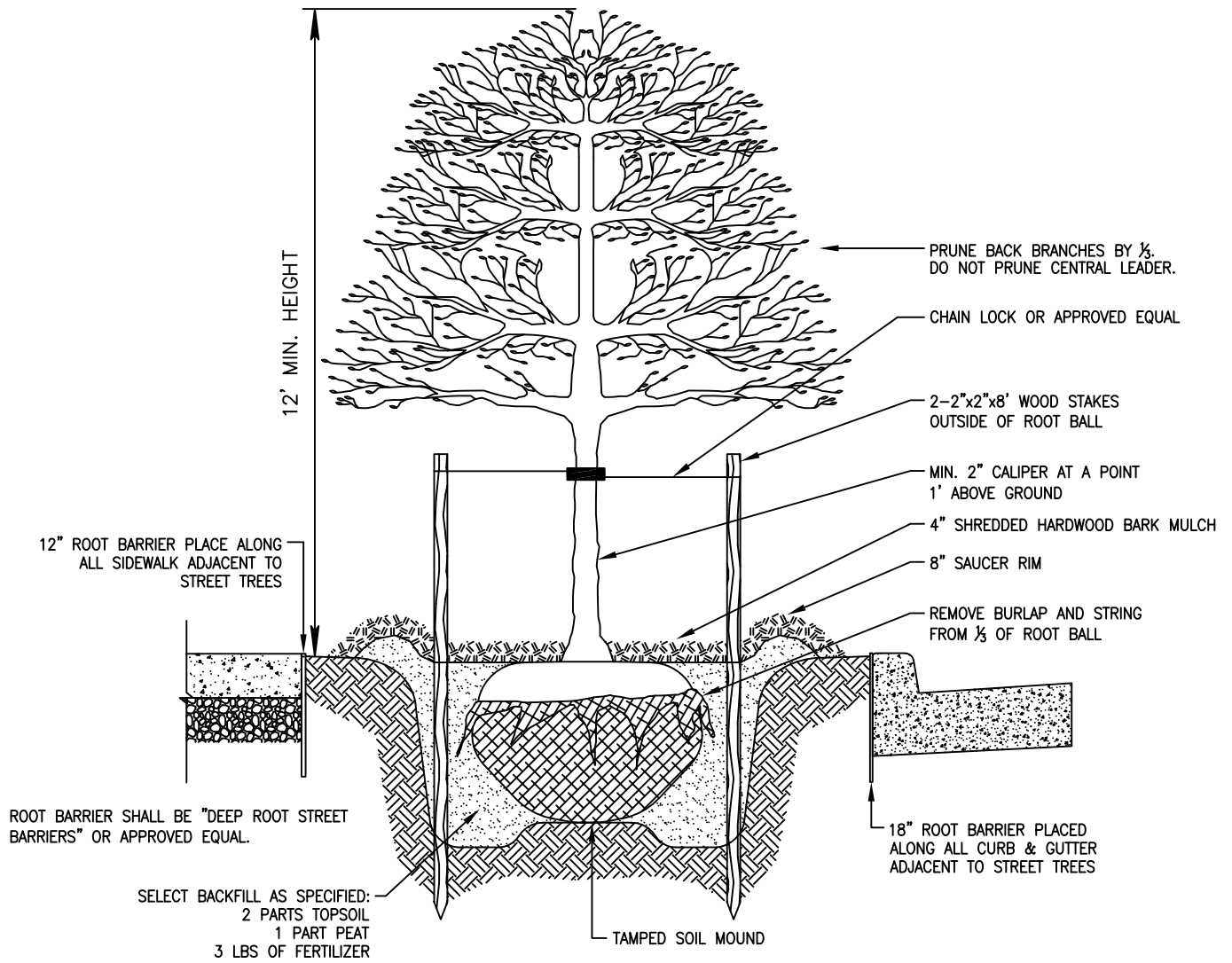


NUMBER OF STEPS SHALL BE THREE OR AS INDICATED ON THE PLAN OR AS DIRECTED.

PROVIDE A 4' MINIMUM LANDING BETWEEN THE BACK OF CURB AND FIRST STEP

CONCRETE STEP DETAIL

N.T.S.



SHADE TREE PLANTING DETAIL

N.T.S.

NOTE:

LOCATIONS OF TREE PLANTINGS TO BE DETERMINED BY TOWNSHIP LANDSCAPE ARCHITECT OR ENGINEER.

THE TOWNSHIP OF PISCATAWAY



PLANS PAGES

Pages 1 of 1



MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Township Secretary

STREET INDEX

Table listing street names and their corresponding grid coordinates (e.g., ABBOT COURT 16, D7, F8) across various municipalities including Dunellen, South Plainfield, Edison, and New Brunswick.



LEGEND:
Schools (School icon)
Fire Companies (Fire icon)
Public Facilities (Building icon)
Parks & Rec. Facilities (Park icon)

TOWNSHIP OF PISCATAWAY
MIDDLESEX COUNTY, NEW JERSEY
STREET INDEX MAP
Latest Revision: 3/12/2016 | By: MC
Charles Carley, P.E. #42005, Township Engineer
Scale: 1" = 1600'

THE TOWNSHIP OF PISCATAWAY



PROPOSAL SHEETS

PAGES 1-12



MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Purchasing Specialist

PROPOSAL

Proposed project known as “**2022 ROAD PROGRAM FOR CURBS, SIDEWALKS, AND ADA RAMPS**”

Gentlemen:

The undersigned hereby declare that they have carefully examined the site, plans and specifications for the construction of the proposed project known as: “**2022 ROAD PROGRAM FOR CURBS, SIDEWALKS, AND ADA RAMPS**” for which receipt of bids has been advertised, and having examined the Special and General Instructions to Bidders, plans and specifications on file in the Office of the Township Engineer, as well as the site of the work, will contract to do all of the work and furnish all the labor, supervision, materials, tools and equipment mentioned in the said plans and specifications, for the entire work in the manner prescribed therein, at the unit prices specified for the various items below and for the resulting lump sum given below.

The undersigned, its representatives, consultants or assistants agrees to save the Township of Piscataway, harmless with respect to any claim or claims of liability, which may be incurred by reason of, or in connection with the performance of said work including, but not limited to blasting work and the existence of open trenches.

It is understood that a certain amount of money will be available for work proposed, and that the actual work to be performed and the materials to be furnished may be increased or decreased to bring the cost of the work within the amount available.

It is further understood that the price herein bid and the lump sum stated below are to remain firm for a period of **365** days from date.

SCHEDULE OF PRICES

BASE BID PRICES

<u>ITEM NO.</u>	<u>ESTIMATED QUANTITY</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE WRITTEN IN BOTH WORDS AND</u>	<u>NUMERICAL FIGURES</u>
1.	Lump Sum	Construction Layout, as called for in the specifications, complete in place.	\$ _____ Lump Sum	\$ _____
2.	Lump Sum	Uniform Law Enforcement Officers, as called for in the specifications, complete in place. (If and Where Directed)	\$ <u>Six Thousand Seven Hundred and 00/100 cents</u> Lump Sum	\$ <u>6,700 .00</u>

3. Lump Sum Uniform Law Enforcement Officers/w Police Marked Vehicles, as called for in the specifications, complete in place. (If and Where Directed)
\$ Six Thousand Seven Hundred and 00/100 cents Lump Sum \$ 6,700 . 00

4. Lump Sum Asphalt Price Adjustment, as called for in the specifications.
\$ Ten Thousand and 00/100 cents Lump Sum \$ 10,000 . 00

5. Lump Sum Fuel Price Adjustment, as called for in the specifications.
\$ Ten Thousand and 00/100 cents Lump Sum \$ 10,000 . 00

6. Lump Sum Site Clearing and Restoration, as called for in the specifications, complete in place.
\$ _____ Lump Sum \$ _____ . _____

7. 3,216 C.Y. Excavation Unclassified, as called for in the specifications, complete in place.
\$ _____ Per C.Y. \$ _____ . _____
\$ _____ Total \$ _____ . _____

8. 191 C.Y. Excavation Unclassified Roadway, as called for in the specifications, complete in place.
\$ _____ Per C.Y. \$ _____ . _____
\$ _____ Total \$ _____ . _____

9. 5 C.Y. Excavation Unclassified for Test Pits, as called for in the specifications, complete in place. (If and Where Directed)
\$ _____ Per C.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

10. 10 C.Y. Excavation Regulated Material, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per C.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

11. Allowance Disposal Regulated Material, Including Testing, as called for in the specifications, complete in place. (If and Where Directed)

\$ Five Thousand and 00/100 cents Allowance \$ 5,000 . 00

12. 8,881 S.Y. Dense Graded Aggregate, 6" Thick, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

13. 4,098 Tons Hot Mix Asphalt Base Course 19M64, 7" Thick as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per Ton \$ _____ . _____

\$ _____ Total \$ _____ . _____

14. 745 S.F. Modular Block Retaining Wall, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per S.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

15. 5 S.F. Landscape Timber Retaining Wall, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per S.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

16. 10 S.F. Concrete Masonry Block Retaining Wall, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per S.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

17. 600 L.F. 8" PVC Schedule # 35, Storm Sewer, with Clean-Out, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per L.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

18. 820 L.F. 6" PVC Schedule # 35, Storm Sewer, with Clean-Out, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per L.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

19. 110 L.F. 4" PVC Schedule # 35, Storm Sewer, with Clean-Out, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per L.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

20. 67 Units Pop-Up Drainage Emitter, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per Unit. \$ _____ . _____
\$ _____ Total \$ _____ . _____

21. 8 L.F. Sanitary Sewer / Cleanout Relocation, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per L.F.. \$ _____ . _____
\$ _____ Total \$ _____ . _____

22. 5 L.F. 15" Reinforced Concrete Pipe, Class III, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per L.F. \$ _____ . _____
\$ _____ Total \$ _____ . _____

23. 3 Units Remove Existing "B" Inlet and Construct New Type "B" Inlet, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per Unit. \$ _____ . _____
\$ _____ Total \$ _____ . _____

24. 1 Unit Reconstruct Inlet, Using New Castings, as called for in the specifications, complete in place. (If and Where Directed)

\$ _____ Per Unit. \$ _____ . _____
\$ _____ Total \$ _____ . _____

25. 2,057 S.Y. Concrete Sidewalk, 4" Thick, with Concrete Sealer, as called for in the specifications, complete in place. (If & Where Directed)

\$ _____ Per S.Y. \$ _____ . _____
\$ _____ Total \$ _____ . _____

26. 1,721 S.Y. Concrete Driveway Apron, 6” Thick, with Concrete Sealer, as called for in the specifications, complete in place. (If & Where Directed)

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

27. 13 S.Y. Bituminous (HMA) Driveway Apron, 4” Thick, as called for in the specifications, complete in place. (If & Where Directed)

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

28. 3,218 S.Y. Hot Mix Asphalt Driveway, 4” Thick, as called for in the specifications, complete in place. (If & Where Directed)

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

29. 1,710 S.F. Paver Driveway Apron, 4” Thick, as called for in the specifications, complete in place. (If & Where Directed)

\$ _____ Per S.F. \$ _____ . _____

\$ _____ Total \$ _____ . _____

30. 567 S.Y. Concrete Public Sidewalk Curb Ramp, 4” Thick, as called for in the specifications, complete in place. (If & Where Directed)

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

31. 40 S.Y. Cast in Place Detectable/Tactile Warning Surfaces, as called for in the specifications, complete in place.

\$ _____ Per S.Y. \$ _____ . _____

		\$ _____ Total	\$ _____ . _____
32.	38 Units	Engineered Design of Concrete Sidewalk Public Curb Ramps, as called for in the specifications, complete in place. (If & Where Directed)	
		\$ _____ Per UNIT	\$ _____ . _____
		\$ _____ Total	\$ _____ . _____
33.	2,755 L.F.	Construct 8"x9"x18" Concrete Vertical Curb, as shown on plans and as called for in specifications, complete in place.	
		\$ _____ Per L.F.	\$ _____ . _____
		\$ _____ Total	\$ _____ . _____
34.	4,060 L.F.	Construct Combination Curb & Gutter, as shown on plans and as called for in specifications, complete in place.	
		\$ _____ Per L.F.	\$ _____ . _____
		\$ _____ Total	\$ _____ . _____
35.	22,666 L.F.	Belgian Block (Granite) Curb, as shown on plans and as called for in specifications, complete in place.	
		\$ _____ Per L.F.	\$ _____ . _____
		\$ _____ Total	\$ _____ . _____
36.	Lump Sum	Point Existing Belgian Block (Granite) Curb, as shown on plans and as called for in specifications, complete in place.	
		\$ _____ Lump Sum	\$ _____ . _____
37.	7 RISERS	Concrete Steps & Landing Walkway, Width Varies, as shown on plans and as called for in specifications, complete in place.	
		\$ _____ Per RISER	\$ _____ . _____
		\$ _____ Total	\$ _____ . _____

38. 19 UNITS Remove Trees, Over 6” to 12” Diameter, as called for in the specifications, complete in place. (If & where directed)

\$ _____ Per UNIT \$ _____ . _____

\$ _____ Total \$ _____ . _____

39. 22 UNITS Remove Trees, Over 12” to 18” Diameter, as called for in the specifications, complete in place. (If & where directed)

\$ _____ Per UNIT \$ _____ . _____

\$ _____ Total \$ _____ . _____

40. 28 UNITS Remove Trees, Over 18” to 24” Diameter, as called for in the specifications, complete in place. (If & where directed)

\$ _____ Per UNIT \$ _____ . _____

\$ _____ Total \$ _____ . _____

41. 7 UNITS Remove Trees, Over 24” to 30” Diameter, as called for in the specifications, complete in place. (If & where directed)

\$ _____ Per UNIT \$ _____ . _____

\$ _____ Total \$ _____ . _____

42. 6 UNITS Remove Trees, Over 30” to 36” Diameter, as called for in the specifications, complete in place. (If & where directed)

\$ _____ Per UNIT \$ _____ . _____

\$ _____ Total \$ _____ . _____

43. 9 UNITS Remove Trees, Over 36” Diameter, as called for in the specifications, complete in place. (If & where directed)

\$ _____ Per UNIT \$ _____ . _____

\$ _____ Total \$ _____ . _____

44. 13,410 S.Y. Topsoiling, 4" Thick, as called for in the specifications.

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

45. 13,410 S.Y. Fertilizing, Seeding and Mulching, as called for in the specifications.

\$ _____ Per S.Y. \$ _____ . _____

\$ _____ Total \$ _____ . _____

THE FOLLOWING UNITS AND EXTENDED COSTS SHOULD BE USED TO DETERMINE THE LUMP SUM LANDSCAPING AMOUNT FOR THE FOLLOWING ITEM NUMBER 46 LANDSCAPING (NEW SHADE TREES), IF & WHERE DIRECTED

15 Units ARMSTRONG RED MAPLE (ACER RUBRUM ARMSTRONG), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units GREEN VASE ZELKOVA (ZELKOVA SERRATA), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units GREENSPIRE LINDEN (TILIA CORDATA), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units REDPOINTE RED MAPLE (ACER RUBRUM), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units KWANZAN CHERRY (PRUNUS SERRULATA KWANZAN), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units OKAME CHERRY (PRUNUS OKAME), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units YOSHINO CHERRY (PRUNUS YEDOENSIS), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

15 Units HEDGE MAPLE (ACER CAMPESTRE), 2"-2.5" CAL, B& B, as called in the specifications, complete in place

\$ _____ Per Unit \$ _____ . _____

\$ _____ Total \$ _____ . _____

THE ABOVE UNITS AND EXTENDED COSTS SHOULD BE USED TO DETERMINE THE LUMP SUM AMOUNT FOR THE ITEM NUMBER 46, LANDSCAPING (NEW SHADE TREES), IF AND WHERE DIRECTED

46. Lump Sum Landscaping, (New Shade Trees), as called for in the specifications, complete in place. (If & where directed)

\$ _____ Lump Sum \$ _____ . _____

47. Allowance Unspecified Construction Work, as called for in the specifications. (If & Where Directed)

\$ Three Hundred Thousand and 00/100 Allowance \$ 300,000 . 00

TOTAL SUM OF BASE BID FOR ITEMS 1 THROUGH 47 INCLUSIVE.
(Total bid to be written in both words and numerical figures.)

\$ _____

\$ _____

 Signature of Authorized Representative

THE WORK UNDER THIS CONTRACT SHALL BE COMPLETED WITHIN
270 (TWO HUNDRED AND SEVENTY) CONSECUTIVE CALENDAR DAYS.

Accompanying this Proposal is a Proposal Guaranty in a form of a _____
 for the sum of _____ \$ _____

payable to the Township of Piscataway which we hereby agree to be forfeited as liquidated
 damages, and not as a penalty, if in case the sum _____

is found to be the lowest submitted in the manner required and is accepted by the Township of Piscataway, and if the undersigned shall fail to execute a contract with your Honorable Body under the conditions of this Proposal or to furnish the bond required within the time provided therefore. Otherwise, said guaranty is to be returned to the undersigned.

If the bidder is a corporation or partnership, state name in full.

 Bidders must submit prices and proposal security for all base items 1 through 47 inclusive.

SIGNED: _____

ADDRESS: _____

DATE: _____

TELEPHONE NUMBER: _____

SIGNED: _____

ADDRESS: _____

DATE: _____

TELEPHONE NUMBER: _____

Bid No: 2021- 11-34

THE TOWNSHIP OF PISCATAWAY

THESE SAMPLE PAGES ARE **NOT** REQUIRED BACK WITH SEALED BID DOCUMENTS



SAMPLE-BID REQUIRED DOCUMENTS ONCE AWARD

All documents in this section must be submitted with the awarded Contract –These documents are **REQUIRED ONCE AWARDED ONLY.** Failure to submit the documents and other documents with the contract may be cause to reject the bid for being non-responsive.



MARIA E. VALENTE-CAEMMERER

Purchasing Agent/Township Secretary

Sample: Required ONLY Once Awarded:

Sample -AA-201

Sample -AA-202

Sample-AA-302

Sample –Certificate of Insurance

**Sample- AA-202- STATE OF NJ Dept. of Monthly Payroll
Forms**

**SAMPLE- WHD FORMS-U.S. DEPARTMENT OF
LABOR WEEKLY REPORT**

**Sample-W-9- May be submitted for faster
processed.**

**SAMPLE- ST-13 FORM- CONTRACTOR EXEMPT
FORM.**

SAMPLE: PERFORMANCE PAYMENT BOND FORM

(ANY “AIA Document” ARE NOT ACCEPTABLE)

**THESE SAMPLE PAGES DO NOT HAVE TO BE
RETURNED WITH BID.**

STATE OF NEW JERSEY

DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
CONSTRUCTION EEO COMPLIANCE MONITORING PROGRAM

FORM AA-201
Revised 11/11

INITIAL PROJECT WORKFORCE REPORT CONSTRUCTION

Official Use Only

Assignment

Code

For instructions on completing the form, go to: http://www.state.nj.us/treasury/contract_compliance/pdf/aa201ins.pdf

1. FID NUMBER _____ 3. NAME AND ADDRESS OF PRIME CONTRACTOR _____ (Name) _____ (Street Address) _____ (City) (State) (Zip Code)	2. CONTRACTOR ID NUMBER _____ 4. IS THIS COMPANY MINORITY OWNED <input type="checkbox"/> OR WOMAN OWNED <input type="checkbox"/>	5. NAME AND ADDRESS OF PUBLIC AGENCY AWARDING CONTRACT Name: _____ Address: _____ _____ _____ CONTRACT NUMBER DATE OF AWARD DOLLAR AMOUNT OF AWARD _____ _____ _____ 6. NAME AND ADDRESS OF PROJECT 7. PROJECT NUMBER Name: _____ Address: _____ _____ _____ COUNTY _____
		8. IS THIS PROJECT COVERED BY A PROJECT LABOR AGREEMENT (PLA)? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

9. TRADE OR CRAFT	PROJECTED TOTAL EMPLOYEES				PROJECTED MINORITY EMPLOYEES				PROJECTED PHASE - IN DATE	PROJECTED COMPLETION DATE
	MALE		FEMALE		MALE		FEMALE			
	J	AP	J	AP	J	AP	J	AP		
1. ASBESTOS WORKER										
2. BRICKLAYER OR MASON										
3. CARPENTER										
4. ELECTRICIAN										
5. GLAZIER										
6. HVAC MECHANIC										
7. IRONWORKER										
8. OPERATING ENGINEER										
9. PAINTER										
10. PLUMBER										
11. ROOFER										
12. SHEET METAL WORKER										
13. SPRINKLER FITTER										
14. STEAMFITTER										
15. SURVEYOR										
16. TILER										
17. TRUCK DRIVER										
18. LABORER										
19. OTHER										
20. OTHER										

I hereby certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements are willfully false, I am subject to punishment.

(Signature)

10. _____
(Please Print Your Name) _____
(Title)

(Area Code) (Telephone Number) (Ext.) _____
(Date)

Sample - AA201

INSTRUCTIONS FOR COMPLETING THE INITIAL PROJECT

WORKFORCE REPORT – CONSTRUCTION (AA201)

DO NOT COMPLETE THIS FORM FOR GOODS AND/OR SERVICE CONTRACTS

1. Enter the Federal Identification Number assigned to the contractor by the Internal Revenue Service, or if a Federal Employer Identification Number has been applied for but not yet issued, or if your business is such that you have not or will not receive a Federal Identification Number, enter the social security number assigned to the single owner or one partner, in the case of a partnership.
2. Note: The Department of Labor & Workforce Development, Construction EEO Monitoring Program will assign a contractor ID number to your company. This number will be your permanently assigned contractor ID number that must be on all correspondence and reports submitted to this office.
3. Enter the prime contractor's name, address and zip code number.
4. Check box if Company is Minority Owned or Woman Owned
5. Enter the complete name and address of the Public Agency awarding the contract. Include the contract number, date of award and dollar amount of the contract.
6. Enter the name and address of the project, including the county in which the project is located.
7. Note: A project contract ID number will be assigned to your firm upon receipt of the completed Initial Project Workforce Report (AA201) for this contract. This number must be indicated on all correspondence and reports submitted to this office relating to this contract.
 8. Check "Yes" or "No" to indicate whether a Project Labor Agreement (PLA) was established with the labor organization(s) for this project.
9. Under the Projected Total Number of Employees in each trade or craft and at each level of classification, enter the total composite workforce of the prime contractor and all subcontractors projected to work on the project. Under Projected Employees enter total minority and female employees of the prime contractor and all subcontractors projected to work on the project. Minority employees include Black, Hispanic, American Indian and Asian, (J=Journey worker, AP=Apprentice). Include projected phase-in and completion dates.
10. Print or type the name of the company official or authorized Equal Employment Opportunity (EEO) official include signature and title, phone number and date the report is submitted.

This report must be submitted to the Public Agency that awards the contract and the Department of Labor & Workforce Development, Construction EEO Compliance Monitoring Program after notification of award, but prior to signing the contract.

THE CONTRACTOR IS TO RETAIN A COPY AND SUBMIT COPY TO THE PUBLIC AGENCY AWARDING THE CONTRACT AND FORWARD A COPY TO:

**NEW JERSEY DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
CONSTRUCTION EEO COMPLIANCE MONITORING UNIT
P.O. BOX 209
TRENTON, NJ 08625-0209
(609) 292-9550**

SAMPLE

TO CONTRACTOR:

Have your bonding company complete the enclosed Performance/Payment Bond. In order to expedite the process by which your Performance/Payment Bond will be approved by our township attorney, you must use the enclosed form. Please fill out the numbered highlighted areas and have all required signatures in place. The Township will not review any alternative forms and they will be returned to you.

Please fill out the highlighted areas numbered as follows:

1. Full name of Contractor
2. Indicate whether a Corporation, Partnership or Individual
- 3, 3A, 3B Full name of Bonding Company, State, and Office Address
4. Amount of contract in words and figures
5. Date of Bond (Supplied by bonding company - cannot be prior to date of contract)
6. Date of Contract (Found on first page of contract at top)
7. Title and/or description of contract
8. Full name of Contractor
9. Full name of Contractor
10. Same date as Item # 5

SAMPLE

Accompanying documents from the bonding company must include the following:

1. Financial Statement
 2. Surety Disclosure Statement and Certification
- A Power of Attorney should be provided for the individual executing the bond on behalf of the surety.

**PERFORMANCE PAYMENT BOND MUST BE SIGNED AND SEALED BY ALL
PARTIES INDICATED ON PAGE 2**

SAMPLE

Performance Payment Bond

PERFORMANCE PAYMENT BOND

Know all men by these presents, that we, **(1)** _____ a
(2) _____ the undersigned as Principal and
(3) _____ of the State of **(3A)** _____
 duly authorized to do business in the State of New Jersey, having an office at
(3B) _____, New Jersey, as Surety, are
 hereby held and firmly bound unto the Township of Piscataway, 455 Hoes Lane, Piscataway, New Jersey
 08854 in the penal sum of
(4) _____
 (\$ _____) DOLLARS,

for the payment of which well and truly to be made, we hereby jointly and severally bind ourselves, our
 heirs, executors, administrators, successors and assigns.

(5) Signed this _____ day of _____ 20____.

The condition of the above obligation is such that whereas, the above named principal did on the
(6) _____ day of _____ 20____, enter into a contract with the Township
 of Piscataway, 455 Hoes Lane, Piscataway, New Jersey 08854 for
(7) _____

which said contract is made a part of this the bond the same as though set forth herein;

Now, if the said **(8)** _____ shall well and faithfully do and perform the
 things agreed by **(9)** _____ to be done and performed according to the
 terms of said contract, and shall pay all lawful claims of beneficiaries as defined by N.J.S. 2A:44-143 for
 labor performed or materials, provisions, provender or other supplies or teams, fuels, oils, implements or
 machinery furnished, used or consumed in the carrying forward, performing or completing of said contract,
 we agreeing and assenting that this undertaking shall be for the benefit of any beneficiary as defined in N.J.S.
 2A: 44-143 having a just claim, as well as for the oblige herein; then this obligation shall be void; otherwise
 the same shall remain in full force and effect; it being expressly understood and agreed that the liability of
 the surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as
 herein stated.

The said surety hereby stipulates and agrees that no modifications, omissions or additions in or to the
 terms of the said contract or in or to the plans or specifications therefore shall in anywise affect the
 obligation of said surety on its bond.

Recovery of any claimant under the bond shall be subject to the conditions and provisions of this article
 to the same extent as if such conditions and provisions were fully incorporated in the form set forth above.

SAMPLE

Performance Payment Bond

This bond shall not be subject to cancellation either by the principal or by the surety for any reason until such time as all improvements subject to the bond have been accepted by the municipality.

This bond shall be deemed continuous in form and shall remain in full force and effect until the improvements are accepted by the municipality and the bond is released, or until default is declared, or until the bond is replaced by another bond meeting applicable legal requirements. Upon approval or acceptance of all improvements by the municipality, or upon replacement of this bond by another bond, liability under this bond shall cease.

The aggregate liability of the surety shall not exceed the sum set forth above.

In the event that the improvements subject to this bond are not completed within the time allowed under the contract or bid documents (hereinafter the "Contract") between principal and municipality, the municipal governing body may, at its option, and upon at least 30 days prior written notice to the principal and to the surety by personal delivery or by certified or registered mail or courier, declare the principal to be in default and, in the event that the surety fails or refuses to complete the work in accordance with the terms and conditions of said Contract, claim payment under this bond for the cost of completion of the work. In the event that any action is brought against the principal under this bond, written notice of such action shall be given to the surety by the municipality by personal delivery or by registered or certified mail or courier at the same time.

The surety shall have the right to complete the work in accordance with the terms and conditions of said Contract, either with its own employees or in conjunction with the principal or another contractor; provided, however, that the surety in its sole discretion, may make a monetary settlement with the municipality as an alternative to completing the work.

This bond shall insure to the benefit of the municipality only and no other party shall acquire any rights hereunder.

In the event that this bond shall for any reason cease to be effective prior to the approval or acceptance of all improvements, a cease and desist order may be issued by the governing body, in which case all work shall stop until such time as a replacement guarantee acceptable to municipality becomes effective.

SAMPLE

Performance Payment Bond

IN WITNESS WHEREOF , this instrument is executed in two (2) counterparts each of which shall be deemed an original , this the **(10)** _____ day of _____ , 20

Attest :

Principal

(Typed or Printed)

Principal Secretary

(Typed or Printed)

By: _____ (s)

Address

SEAL :

Witness to Princip

SAMPLE

Attest :

Surety
By: _____ (s)
Attorney-in-fact

Surety Secretary

SEAL :

Address

Witness as to Surety

Address

SAMPLE

CONTRACTOR INSURANCE REQUIREMENTS

Contractors

When the municipality lets work to a contractor, it is expected and required the contractor provide the municipality with the following minimum amount of insurance.

a) Small Service and Repair Contractors

- General Liability, including Products/Completed
- Operations – Limit \$500,000 CSL
- Authority to be named as additional insured
- Auto Liability: Limit \$500,000 CSL
- Coverage to include “Non-Owned and Hired Automobiles”
- Workers’ Compensation Insurance – statutory limits

b) Larger Contractors (Includes contractors that are doing new construction or major alterations):

Requirements are same as above with exception of limits which are to be \$ 1 Million CSL for both General and Automobile Liability.

Note: No work shall be allowed to begin without property Insurance Certificates on file with the member municipality and approved by the Insurance producer. Also, refer back to Item #9 in the underwriting section of the Policies and Procedures Manual for Insurance requirements for pyrotechnic contractors.

ADDITIONAL INSURED

The Township of Piscataway must be named additional Insured.
The description of the Goods & Services must be listed.

SAMPLE CERTIFICATE OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

PRODUCER Applicants Insurance Company Name and Address	THIS CERTIFICATION IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Applicants Company Name and Address	INSURER A:	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIODS INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSURANCE TYPE (ACORD LTR #)	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
1	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GENT. AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PERIOD <input type="checkbox"/> SUBJECT <input type="checkbox"/> LOCATION	Policy Number		Term	EACH OCCURRENCE \$ \$1,000,000 DAMAGE TO RENTED PREMISES (EA OCCURRENCE) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPROP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	Policy Number		Term	CORRECTED SINGLE LIMIT (EA OCCURRENCE) \$ \$1,000,000 BODILY INJURY (EA OCCURRENCE) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
2	EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE RETENTION \$	Policy Number		Term	EACH OCCURRENCE \$ \$2,000,000 AGGREGATE \$ \$ \$
3	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETORS/PARTNERS/EXECUTIVE OFFICERS/EMBER EXCLUDED? If yes, describe below SPECIAL PROVISIONS below OTHER	Policy Number If applicable		Term	<input type="checkbox"/> WC STATUS <input type="checkbox"/> OTHER <input type="checkbox"/> TORT LIMITS E.L. EACH ACCIDENT \$ \$100,000 E.L. DISEASE - EA EMPLOYEE \$ \$100,000 E.L. DISEASE - POLICY LIMIT \$ \$500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Leave Blank **NAME OF PROJECT AND LOCATION**

CERTIFICATE HOLDER ATTN: TOWSHIP OF PISCATAWAY 455 HOES LANE PISCATAWAY, NJ 08854	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL _____ DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE
--	--

SAMPLE

TAXPAYER IDENTIFICATION

Form **W-9**
(Rev. November 2017)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶ _____	<input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
	5 Address (number, street, and apt. or suite no.) See instructions.	Requester's name and address (optional)
	6 City, state, and ZIP code	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1, *So sign What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social Security number	Employer identification number
<input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)



Rev. Dec. 2008

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

NAME OF CONTRACTOR OR SUBCONTRACTOR ADDRESS OMB No.: 1235-0008
Expires: 01/31/2015

PAYROLL NO. FOR WEEK ENDING PROJECT AND LOCATION PROJECT OR CONTRACT NO.

(1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT OR ST.	(4) DAY AND DATE							(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS					(9) NET WAGES PAID FOR WEEK
				HOURS WORKED EACH DAY										FICA	WITH- HOLDING TAX	OTHER	TOTAL DEDUCTIONS		
			O																
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SAMPLE

While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that it will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W. Washington, D.C. 20210

Date _____

I, _____ (Name of Signatory Party) _____ (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the _____ (Contractor or Subcontractor)

_____ ; that during the payroll period commencing on the _____ (Building or Work)

_____ day of _____, _____, and ending the _____ day of _____, _____,

all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ from the full _____ (Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 94-63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. 145), and described by _____

SAMPLE

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

-- in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

-- Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:

NAME AND TITLE	SIGNATURE
----------------	-----------

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE.

SAMPLE

INSTRUCTIONS FOR COMPLETING MONTHLY PROJECT WORKFORCE REPORT- (AA202)

1. Enter the prime contractor's name, address and zip code number.
2. Enter the **CONTRACTOR ID NUMBER** assigned by the Dept. of Labor & Workforce Development Construction EEO Compliance Monitoring Program.
3. Enter the Federal Identification Number assigned to the contractor by the Internal Revenue Service, or if a Federal Employer Identification Number has not been applied for or issued, or if your business is such that it will not receive a Federal Identification Number, enter the Social Security Number of the owner or of one partner, in the case of a partnership.
4. Reporting Period - enter the beginning and ending dates of the month for the report being submitted. (i.e., 1/1/00 – 1/31/00).
5. Enter the complete name of the public agency awarding the contract. Include the date of contract award.
6. Enter the name and location of the project, including the county in which the project is located.
7. Enter the **PROJECT NUMBER** assigned by the Dept. of Labor & Workforce Development Construction EEO Compliance Monitoring Program.
8. Enter the company name(s) of the contractor(s) performing work at the construction site. List the prime contractor first with subcontractor(s) following.
9. Enter the total percent (%) of project work the contractor or subcontractor has completed, to date.
10. Identify the trades or crafts applicable to the prime contractor and each subcontractor listed in column #8. Use a single line for each trade or craft.
11. Enter the total number of employees for each contractor at each level of classification (J=Journeyworker, AP=Apprentice) and the total number of each minority group - Black, Hispanic, American Indian, Asian and Female. Note: Column A shall include Total Number of employees. Columns B-E shall also include minority females. Column F shall include both non-minority and minority females.
12. Enter the total number of minority employees for each employer at each level of classification. Note: This shall be the sum of columns B-E.
13. Enter the Total Monthly work hours for all employees in each craft at each level of classification.
(A) Enter the Total Monthly minority work hours for each craft at each level of classification (Columns B-E).
(B) Enter the Total Monthly female work hours for each craft at each level of classification (Column F).
14. (A) Enter the Total Monthly PERCENT of minority work hours for each craft at each level of classification.
(B) Enter the Total Monthly PERCENT of female work hours for each craft at each level of classification.
15. Enter the Total Cumulative work hours for each craft at each level of classification.
(A) Enter the Total Cumulative minority work hours for each craft at each level of classification.
(B) Enter the Total Cumulative female work hours for each craft at each level of classification.
16. (A) Enter the Cumulative Percent of minority work hours for each craft at each level of classification.
(B) Enter the Cumulative Percent of female work hours for each craft at each level of classification.
17. Print or type the name of the company official submitting the report; include signature, title, telephone number, and date the report is submitted.

THE CONTACTOR SHOULD RETAIN ONE COPY AND SUBMIT A COPY TO THE PUBLIC AGENCY WHICH AWARDED THE CONTRACT. ANOTHER COPY MUST BE FORWARDED TO:

New Jersey Department of Labor & Workforce Development
Construction EEO Compliance Monitoring Program
PO Box 209
Trenton, NJ 08625-0209
609 292-9550

State Of New Jersey

Department of Labor & Workforce Development
Construction EEO Compliance Monitoring Program

MONTHLY PROJECT WORKFORCE REPORT - CONSTRUCTION

For instructions on completing the form, go to: http://www.state.nj.us/treasury/contract_compliance/pdf/aa202ins.pdf		3. F ID or SS Number	
1. Name and address of Prime Contractor (NAME)	2. Contractor ID Number	4. Reporting Period	
(ADDRESS)		5. Public Agency Awarding Contract	Date of Award
(CITY) (STATE) (ZIP CODE)		6. Name and Location of Project County	7. Project ID Number

8. CONTRACTOR NAME (LIST PRIME CONTRACTOR WITH SUBS FOLLOWING)	9. PERCENT OF WORK COMPLETED	10. TRADE OR CRAFT	CLASSIFICATION (SEE REVERSE)	11. NUMBER OF EMPLOYEES						12. TOTAL	13. WORK HOURS		14. % OF WORK HRS		15. CUM. WORK HRS		16. CUM. % OF W/H			
				A.	B.	C.	D.	E.	F.	NO. OF MIN. EMP.	TOTAL WORK HOURS	A.	B.	A.	B.	TOTAL WORK HOURS	A.	B.	A.	B.
				TOTAL	BLACK	HISPANIC	AMERICAN INDIAN	ASIAN	FEMALES			MIN. W/H	FEMALE W/H	% OF MIN. W/H	% OF FEMALE W/H	MIN. HOURS	FEMALE HOURS	% OF MIN. W/H	% OF FEM. W/H	
			J																	
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			AP																	
			J																	
			AP																	

SAMPLE

17. COMPLETED BY (PRINT OR TYPE)

(NAME)	(SIGNATURE)	(TITLE)
(AREA CODE)	(TELEPHONE NUMBER)	(EXT.) (DATE)

SAMPLE

SALES TAX

CONTRACTOR'S NEW JERSEY
TAX REGISTRATION NUMBER

To be completed by contractor
and retained by seller.

FORM ST-13

CONTRACTOR'S EXEMPT PURCHASE CERTIFICATE

TO: _____
(Name of Seller) (Date)

SAMPLE

(Address of Seller)

The materials, supplies, or services purchased by the undersigned are for exclusive use in erecting structures, or building on, or otherwise improving, altering or repairing real property of the exempt organization, governmental entity, or qualified housing sponsor named below and are exempt from Sales and Use Tax under N.J.S.A. 54:32B-8.22.

THIS CONTRACT COVERS WORK TO BE PERFORMED FOR: (Check one)

EXEMPT ORGANIZATION

Name of Exempt Organization _____

Address _____

Exempt Organization Number _____

NEW JERSEY OR FEDERAL GOVERNMENTAL ENTITY

Name of Governmental Entity _____

Address of Governmental Entity _____

QUALIFIED HOUSING SPONSOR

Name of Qualified Housing Sponsor _____

Address of Qualified Housing Sponsor _____

ADDRESS OR LOCATION OF CONTRACT WORK SITE: (property must be owned or leased by one of the above)

I, the undersigned contractor, hereby verify and affirm that all of the information shown on this certificate is true.

Name of Contractor as registered with the New Jersey Division of Taxation

Address of Contractor

SAMPLE

Signature of Contractor or Authorized Employee

See INSTRUCTIONS on reverse side.

1. **Good Faith**- To act in good faith means to act in accordance with standards of honesty. In general, registered sellers who accept exemption certificates in good faith are relieved of liability for the collection and payment of sales tax on the transactions covered by the exemption certificate.

In order for good faith to be established, the following conditions must be met:

- (a) Certificate must contain no statement or entry which the seller knows is false or misleading;
- (b) Certificate must be an official form or a proper and substantive reproduction, including electronic;
- (c) Certificate must be filled out completely;
- (d) Certificate must be dated and include the purchaser's New Jersey tax identification number or, for a purchaser that is not registered in New Jersey, the Federal employer identification number or out-of-State registration number. Individual purchasers must include their driver's license number; and
- (e) Certificate or required data must be provided within 90 days of the sale.

The seller may, therefore, accept this certificate in good faith as a basis for exempting sales to the signatory purchaser and is relieved of liability even if it is determined that the purchaser improperly claimed the exemption.

2. **Improper Certificate** - Sales transactions which are not supported by properly executed exemption certificates are deemed to be taxable retail sales. In this situation, the burden of proof that the tax was not required to be collected is upon the seller.
3. **Correction of Certificate** - In general, sellers have 90 days after the date of sale to obtain a corrected certificate where the original certificate lacked material information required to be set forth in said certificate or where such information is incorrectly stated.
4. **Additional Purchases by Same Purchaser** - This Certificate will serve to cover additional purchases by the same purchaser of the same general type of property or service. However, each subsequent sales slip or purchase invoice based on this Certificate must show the purchaser's name, address and Certificate of Authority Number for purpose of verification.
5. **Retention of Certificates** - Certificates must be retained by the seller for a period of not less than four years from the date of the last sale covered by the certificate. Certificates must be in the physical possession of the seller and available for inspection on or before the 90th day following the date of the transaction to which the certificate relates.

6. Definitions:

"Contractor" - means any individual, partnership, corporation or other commercial entity engaged in any business involving erecting structures for others, or building on, or otherwise improving, altering, or repairing real property of others.

"Exempt Organization" - is any organization which holds a valid exempt organization permit issued pursuant to the provisions of N.J.S.A. 54:32B-9(b) which has issued an ST-5 Exempt Organization Certificate to the contractor.

"New Jersey or Federal Governmental Entity" - is any agency, instrumentality, political subdivision, authority, or public corporation of the governments of the United States of America or the State of New Jersey. Governmental agencies, instrumentalities or political subdivisions of states other than New Jersey do not qualify for exemption.

"Qualified Housing Sponsor" - is any person, partnership, corporation or association certified by the New Jersey Housing and Mortgage Finance Agency to have obtained financing, in addition to federal, state or local government subsidies, for a housing project from the New Jersey Housing and Mortgage Finance Agency pursuant to N.J.S.A. 55:14K-1, et seq. and has issued a New Jersey Sales and Use Tax Housing Sponsor Letter of Exemption to the contractor.

PRIVATE REPRODUCTION of Contractor's Exempt Purchase Certificates may be made without the prior permission of the Division of Taxation.

FOR MORE INFORMATION:

Call the Customer Service Center (609) 292-6400. Send an e-mail to nj.taxation@treas.state.nj.us. Write to: New Jersey Division of Taxation, Information and Publications Branch, PO Box 281, Trenton, NJ 08695-0281.

THE TOWNSHIP OF PISCATAWAY



LAST PAGE