Introduced by:
Seconded by:

**CITY OF HOBOKEN**
**RESOLUTION NO.: ____**

**RESOLUTION AUTHORIZING CLOSED SESSION TO DISCUSS MATTERS PURSUANT TO N.J.S.A. 10:4-12(B)(7) AND ATTORNEY CLIENT PRIVILEGE, WITH SPECIAL COUNSEL RON CUCCHIARO, RELATING TO THE SETTLEMENT OF THE PENDING MATTER KNOWN AS SMITH ET AL. V. CITY OF HOBOKEN, DOCKET NO. HUD-L-5005-13**

**WHEREAS**, the Council of the City of Hoboken is authorized to go into closed executive session for the reasons set forth in the Open Public Meetings Act, including without limitation N.J.S.A. 10:4-12(b)(7) and for matters falling within attorney client privilege (for legal guidance on matters relating to the settlement of pending litigation); and

**WHEREAS**, the City seeks to settle the litigation known as **Smith et al. v. City of Hoboken, Docket No. HUD-L-5005-13**; and

**WHEREAS**, one of the reasons to go into closed session is to receive advice from legal counsel, Ron Cucchiaro, Esq., which is subject to attorney client privilege and which is offered regarding pending settlements of the type listed herein; and,

**NOW THEREFORE, BE IT RESOLVED** by the Council of the City of Hoboken that it enter into closed session for the herein said purposes; and,

**BE IT FURTHER RESOLVED** that when the need for confidentiality no longer exists the discussions had therein will be made available to the public.

**MEETING: February 3, 2016**

APPROVED AS TO FORM:

Alysia Proko
Corporation Counsel

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 03 2016

CITY CLERK

Introduced by:
Seconded by:

**CITY OF HOBOKEN**
**RESOLUTION NO.: ____**

**RESOLUTION AUTHORIZING CLOSED SESSION TO DISCUSS MATTERS PURSUANT TO N.J.S.A. 10:4-12(B)(7) AND, SPECIFICALLY, MATTERS OF ATTORNEY CLIENT PRIVILEGE WITH SPECIAL COUNSEL RON CUCCHIARO RELATING TO AFFORDABLE HOUSING ISSUES WITHIN THE CITY OF HOBOKEN**

**WHEREAS**, the Council of the City of Hoboken is authorized to go into closed executive session for the reasons set forth in the Open Public Meetings Act, including without limitation N.J.S.A. 10:4-12(b)(7) for matters falling within attorney client privilege (for legal guidance on matters for which confidentiality is required in order for the attorney to exercise his ethical duties as a lawyer); and

**WHEREAS**, the City seeks to enter into such a closed session for purposes of obtaining legal advice from the City's legal counsel, Ron Cucchiaro, Esq., regarding affordable housing issues within the City of Hoboken; and

**WHEREAS**, one of the reasons to go into closed session is to receive advice from legal counsel, which is subject to attorney client privilege and which is offered regarding pending matters of the type listed herein; and,

**NOW THEREFORE, BE IT RESOLVED** by the Council of the City of Hoboken that it enter into closed session for the herein said purposes; and,

**BE IT FURTHER RESOLVED** that when the need for confidentiality no longer exists the matters discussed therein will be made available to the public.

**MEETING: February 3, 2016**

APPROVED AS TO FORM:

Alysia Piko
Interim Corporation Counsel

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 0 3 2016

CITY CLERK

A TRUE COPY OF A RESOLUTION ADOPTED BY
THE COUNCIL OF THE CITY OF HOBOKEN, N.J.
AT A MEETING HELD ON: FEB 0 3 2016

3

SPONSORED:
SECONDED:

CITY OF HOBOKEN
RESOLUTION NO. __

CITY CLERK

**RESOLUTION GRANTING RON CUCCHIARO, ESQ. OF WEINER LESNIAK SETTLEMENT AUTHORITY IN THE MATTER KNOWN AS SMITH ET AL. V. COH ET AL. (DOCKET NO. HUD-L-5005-13) IN AN AMOUNT UP TO THE AMOUNT SUGGESTED BY RON CUCCHIARO TO ALYSIA PROKO IN THE JANUARY 22, 2016 EMAIL**

**WHEREAS**, the City of Hoboken is currently involved in pending litigation known as Smith et al. v. City of Hoboken (**Docket No. HUD-L-5005-13**); and,

**WHEREAS**, Ron Cucchiaro, Esq. of Weiner Lesniak has represented the City's legal interests in that matter, and has recommended a monetary amount for settlement of the matter by way of a January 22, 2016 email to Alysia Proko; and,

**WHEREAS**, after legal guidance from Ron Cucchiaro the City Council finds its suggested monetary settlement amount to be reasonable, and in the best interest of the City.

**NOW THEREFORE BE IT RESOLVED**, by the City Council of the City of Hoboken, that Ron Cucchiaro is hereby authorized to settle the matter of Smith et al. v. City of Hoboken (**Docket No. HUD-L-5005-13**) in an amount up to the monetary amount suggested by Mr. Cucchiaro to Alysia Proko by the January 22, 2016 email.

Meeting date: February 3, 2016

**Approved as to Content:**

**Quentin Wiest**
**Business Administrator**

**Approved as to Form:**

Alysia Proko **, Esq.**
Interim **Corporation Counsel**

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | ✓ | |
| Ruben Ramos Jr. | | | | |
| Michael Russo | ✓ | | | |
| President Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 03 2016

James J. Farina
CITY CLERK

Introduced by: Councilman Bhalla
Seconded by: Councilman Doyle

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**~~RESOLUTION IN SUPPORT~~ OF NATIONAL AFRICAN AMERICAN HISTORY MONTH 2016**

**WHEREAS**, in February 1926, Dr. Carter G. Woodson, a noted African American author and scholar, began what was then called Negro History Week to educate non-black Americans about Black American culture and history and to engender pride among African Americans; and

**WHEREAS**, Dr. Woodson chose the month of February for the celebration because the month marks the birthdays of President Abraham Lincoln, who signed the Emancipation Proclamation ending slavery, and Frederick Douglass, the noted African American abolitionist; and

**WHEREAS,** an additional reason why Dr. Woodson chose the month of February for this important event was that the National Association for the Advancement of Colored People, the nation's oldest civil rights organization, was founded in February 1909; and

**WHEREAS**, in 1972, Negro History Week became Black History Week, and in 1976, the nation's bicentennial, Black History Week became Black History Month with the purpose of honoring the contribution African Americans have made to all walks of American life and to recall important milestones in black history;

**WHEREAS**, Black History Month is also known as National African American History Month.

**NOW, THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE CITY OF HOBOKEN** that it declares its support for National African American History Month in February of 2016.

Meeting date: February 3, 2016

Approved as to Content:

Quentin Wiest
Business Administrator

Approved as to Form:

Alyda Poko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Giattino | ✓ | | | |

5

**Introduced By:** _____
**Seconded By:** _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION SPONSORING FOUR (4) INDIVIDUALS AS POTENTIAL FUTURE CLASS II SPECIAL LAW ENFORCEMENT OFFICERS TO GO TO THE CLASS 2 ESSEX COUNTY POLICY ACADEMY AND AUTHORIZING THE APPOINTING AUTHORITY TO CONDITIONALLY PROMISE EACH OF THE FOUR (4) EMPLOYMENT BY THE CITY OF HOBOKEN AS SPECIAL CLASS 2 OFFICERS, IF THEY GRADUATE THE CLASS 2 ACADEMY THAT BEGINS ON FEBRUARY 6, 2016, AT THE ESSEX COUNTY POLICE ACADEMY**

**WHEREAS**, N.J.S.A. 40A:14-146.10 permits municipalities to appoint certain classes of special law enforcement officers; and

**WHEREAS**, Chapter 59 of the Code of the City of Hoboken establishes the position of Class II Special Law Enforcement Officer; and

**WHEREAS**, the City of Hoboken wishes to sponsor the following individuals to go to the Class II Essex County Police Academy for training as Class II Special Law Enforcement Officers:

1) Jesse Castellano
2) Dakota Dimone
3) Corey Rooney
4) Michael Tilton

**WHEREAS**, a resolution from the City Council of the City of Hoboken is necessary to sponsor these Class II Special Law Enforcement Officers so they may attend a police academy to obtain the training, education and certification needed for this position; and

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of the City of Hoboken that the following individuals are hereby sponsored by the City of Hoboken for the Essex County Special Class II Law Enforcement Officer Police Academy, and conditionally promised employment as Special Class II Law Enforcement Officer by the City of Hoboken, if they graduate from the Essex County Police Academy:

1) Jesse Castellano
2) Dakota Dimone
3) Corey Rooney
4) Michael Tilton

**BE IT FURTHER RESOLVED** that these appointees are hereby sponsored by the City of Hoboken to attend the Essex County Police Academy in Cedar Grove, New Jersey:

Approved as to Content:

Quentin Wiest
Business Administrator

Approved as to Form:

Alyssia Hoed, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Giattino | | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY
THE COUNCIL OF THE CITY OF HOBOKEN, N.J.
AT A MEETING HELD ON: FEB 03 2016

CITY CLERK

A TRUE COPY OF A RESOLUTION ADOPTED BY
THE COUNCIL OF THE CITY OF HOBOKEN, N.J.
AT A MEETING HELD ON: FEB 0 3 2016

James J. Farina
CITY CLERK

6

Sponsored by: _____

Seconded by: _____

CITY OF HOBOKEN

RESOLUTION NO. _____

**RESOLUTION TO APPROVE A LICENSE AGREEMENT BETWEEN THE CITY OF HOBOKEN AND ALEXANDER REKEDA, OWNER OF BLOCK 179 LOT 16 (a/k/a 333 Park Avenue), FOR USE AND MAINTENANCE OF A PORTION OF THE PUBLIC RIGHT OF WAY ADJACENT TO SAID PROPERTY**

**WHEREAS,** the City of Hoboken requires property owners to maintain the public right-of-way adjacent to their property, including but not limited to sidewalks, stairs, stoops, fences, areaways, trees and other landscaping; and

**WHEREAS,** the City of Hoboken encourages property owners to landscape and otherwise improve said right-of-way to enhance the urban landscape; and

**WHEREAS,** the City of Hoboken and the City Council, by resolution, provides for the issuance of license agreements for the aforementioned purpose; and

**WHEREAS,** the applicant desires to receive and the City of Hoboken agrees to grant to Alexander Rekeda, owner of Block 179 Lot 16, more commonly known as 333 Park Avenue, Hoboken, such a license.

**NOW, THEREFORE, BE IT RESOLVED,** by the City Council of the City of Hoboken, as follows:

1) Approval of the attached License Agreement between the City of Hoboken and Alexander Rekeda, owner of Block 179 Lot 16, more commonly known as 333 Park Avenue, shall be subject and limited to the details and specifications included in the attached Application, and James S. McNeight, P.C. architecture drawing sheet A-2 dated 10/02/2015;
2) The Mayor or her agent is hereby authorized to enter into the attached agreement; and
3) This resolution shall become effective immediately up adoption.

**Meeting Date: February 3, 2016**

**Approved:**
Quentin Wiest
**Quentin Wiest, Business Administrator**

**Approved as to Form:**
Alysia Rolco, Esq., Corporation Counsel Interim

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

## LICENSE AGREEMENT

This **LICENSE AGREEMENT** is hereby made and entered into this _____ **day** of _____, **2016**, by and between the **CITY OF HOBOKEN**, Hudson County, New Jersey (on behalf of the General Public), whose address is 94 Washington Street, Hoboken, NJ 07030 (hereinafter referred to as the **"LICENSOR"**) and **ALEXANDER REKEDA**, owner of 333 Park Avenue, Hoboken, NJ 07030, (hereinafter referred to as the **"LICENSEE"**).

## WITNESSETH

**WHEREAS,** the LICENSOR owns the public right of way consisting of certain real property located in the City of Hoboken, Hudson County, New Jersey, as more particularly identified as the Park Avenue R.O.W.; and

**WHEREAS,** the LICENSEE desires to use a portion of the LICENSOR's property for the purpose of constructing a full height window bay 10 feet wide by 2 feet 6 inches deep beginning at grade and rising 48 feet 10 inches to the roof of the building, constructing an entry stoop 7 feet wide by 3 feet 8 inches deep by 6 feet high, and adding a fence to enclose a portion of the right-of-way 20 feet 10 inches wide by 10 feet deep adjacent to the building fronting onto Park Avenue; and

**WHEREAS,** all existing encroachments will be cleared during demolition of the existing structure; and

**WHEREAS,** the proposed right-of-way encroachments are associated with the construction of a new building fronting on Park Avenue and will encompass an area 20 feet 10 inches wide by 10 feet deep leaving approximately 6 feet of unobstructed pedestrian egress along the block frontage; and

**WHEREAS,** in consideration of the license, the LICENSEE shall continue to maintain said area in good repair and order, clear of any waste receptacles or other personal property and shall landscape and otherwise improve said area to enhance the streetscape and general attractiveness of the public right of way; and

**WHEREAS,** the LICENSOR desires to grant to the LICENSEE a license for the aforementioned purpose.

**NOW, THEREFORE,** for and in consideration of the terms, conditions and mutual covenants contained herein, the LICENSOR and LICENSEE, hereby agree as follows:

1) The LICENSOR hereby grants the LICENSEE, its agents, servants and assigns the right, privilege and license to use the property described herein and represented in the attachments (License Area), commonly referred to as the public right of way adjacent to Block 179 Lot 16, to construct a full height window bay 10 feet wide by 2 feet 6 inches deep beginning at grade and rising 48 feet 10 inches to the roof of the building, construct an entry stoop 7 feet wide by 3 feet 8 inches deep by 6 feet high, and add a fence to enclose a portion of the right-of-way 20 feet 10 inches wide by 10 feet deep adjacent to the building in and upon said license area for the purpose of exercising the rights, privileges and license granted herein.

2) This license is granted and shall continue in full force and effect until such time as the encroachment is removed or otherwise altered; OR until notice is given, by either party, of its intent to discontinue said license. This license may be terminated by LICENSOR or LICENSEE without cause upon 90 day written notice, and may be terminated by the LICENSOR upon 24 hours notice upon a showing of necessity to maintain the health, safety and welfare of the general public.

3) The LICENSOR retains the right to use the license area in any manner not inconsistent with the rights herein granted to the LICENSEE provided, however, that the LICENSOR shall not disturb the structural elements in any way without prior written notice to the LICENSEE.

4) The LICENSEE expressly acknowledges and accepts its responsibility under applicable law for loss, damage, or injury to persons or property, arising out of or resulting from the use and maintenance of the license area, unless, however, such claim or demand shall arise out of or result from the willful negligence or willful misconduct of the LICENSOR, its servants, agents, employees, or assigns.

5) The LICENSEE agrees to maintain liability insurance, inclusive of the license area, in an amount satisfactory to the LICENSOR naming the Mayor and Council of the City of Hoboken as additional insured. The policy shall be kept if full force and effect for the term of the license, and a copy of the Certificate of Insurance showing its effectiveness shall be provided to the LICENSOR on a bi-annual basis without request, and at any other time upon request of the LICENSOR. The LICENSOR shall have the right, on an annual basis, to review the insurance coverages to ensure the coverages then in effect are satisfactory to cover the insurance requirements of the continued license.

6) The LICENSEE agrees that any and all work performed on the premises and in association with the purposes of this license shall be done in a good, safe, workmanlike manner and in accordance with applicable federal, state, and local statutes, rules, regulations and ordinances.

7) The City of Hoboken as LICENSOR expressly reserves the right to require the removal of all fences, gates, stoops or other projections or encumbrances upon any street, sidewalk or public right-of-way, which are improperly constructed or maintained, or present a danger to the health, safety and welfare of the public. If the LICENSEE does not remove the aforementioned improvements as required by the LICENSOR, the LICENSOR may remove such improvements at the sole cost and expense of the LICENSEE. The costs shall be a municipal lien against the property.

8) Upon termination of this license agreement, the LICENSEE shall, within a reasonable time and at the LICENSEE'S sole cost and expense, remove all physical encumbrances, equipment, accessories, and materials owned by the LICENSEE from the license area and restore said license area as nearly as practicable to a condition consistent with the public sidewalk adjacent to the license area. If the LICENSEE does not remove the aforementioned improvements, the LICENSOR may remove such improvements at the sole cost and expense of the LICENSEE. The costs shall be a municipal lien against the property.

9) Nothing herein shall be construed to be an admission of liability by either party for any purposes.

10) Neither the authorization of this Agreement by the Council, nor the execution of this Agreement by the Mayor shall be construed to be a position of the City with regards to the approval, rejection, or legality of the underlying plans, nor shall such be considered authorization for the property owner to proceed without obtaining and maintaining all necessary and proper permits, certifications, and/or approvals by any and all necessary agencies, including without limitation the City of Hoboken Construction Code Official and the City of Hoboken Zoning Officer.

11) LICENSEE agrees to defend, protect, indemnify and save harmless the LICENSOR, its' officers, agents and employees from and against any and all claims, causes of action, injuries, losses, damages, expenses, fees and costs arising out of, or which may arise out of the LICENSEE'S use of the LICENSE AREA.

**IN WITNESS WHEREOF,** the undersigned parties have executed this license agreement on the day and year first above written.

**LICENSOR:** the CITY OF HOBOKEN (on behalf of the General Public)

Signed: _____
Dawn Zimmer, Mayor

STATE OF NEW JERSEY, COUNTY OF HUDSON.

The foregoing instrument was Sworn and Subscribed before me on this _____ day of _____, 2016.

Notary Public: _____
(Signature of Notary Public)

**LICENSEE:** Alexander Rekeda, owner in fee of Block 179 Lot 16, more commonly known as 333 Park Avenue, Hoboken, NJ.

Signed: _____

Printed: _____,

Alexander Rekeda
Owners of 333 Park Avenue, Hoboken

STATE OF NEW JERSEY, COUNTY OF HUDSON.

The foregoing instrument was Sworn and Subscribed before me on this _____ day of _____, 2016.

Notary Public: _____
(Signature of Notary Public)

# APPLICATION AND EXHIBITS

# APPLICATION FOR ENCROACHMENT OF CITY RIGHT OF WAY

**CITY OF HOBOKEN**

**Dawn Zimmer, Mayor**
94 Washington Street
Hoboken, NJ 07030

Work Site Address: 333 PARK AVENUE

Block: 179

Lot(s): 16

Applicant: LYUDMYLA REKEDA

HSIR LLC

Address: 206 HUDSON ST. HOBOKEN N.J.

Phone: 973-960-2354

e-mail: CSPARK@2HO.COM

Owner (if other than Applicant):

Address:

Phone:

e-mail:

Date Received:

Please describe, in as much detail as possible, the encroachment you are proposing to make to the public right-of-way. Description must include the materials to be used, and the exact dimensions of the proposed area of encroachment in width (linear feet of block frontage); depth (projection from the front of the building); and total square feet of encumbrance. If additional space is needed, attach a separate sheet.

A.) 10'-0" DEEP X 20'-10" WIDE X 3'-0" HIGH WROUGT IRON FENCE TO REPLACE EXISTING.

B.) 2'-6" DEEP X 10'-0" WIDE X 48'-10" HIGH ALUMINUM CLAD BAY WINDOW.

C.) 3'-8" DEEP X 7'-0" WIDE X 6'-0" HIGH BRICK STOOP W/ LIMESTONE TREADS.

What is the reason(s) for the proposed alteration?

THE STOOP AND FENCE RECREATE THE URBAN FABRIC ON THE BLOCK. THE BAY CONFORMS TO ORDINANCE REGULATIONS.

Have prior approvals been obtained for work at this location including, but not limited to, Planning or Zoning Board approvals, or permits issued by the Zoning Office or Construction Department? Are there previously issued license or easement agreements for this property? If yes, please attach copies to this application.

NO PRIOR APPROVALS.

Documents provided with application; check all that apply:

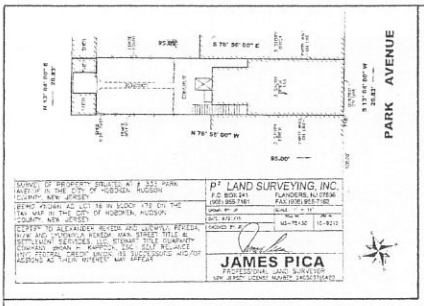
☑ Survey ☑ Architectural drawings ☑ Metes and bounds detail for the area of encroachment ☐ Prior approvals

☐ Other:

15 OCT 15

Applicant's signature Date

JAMES S. MCNEIGHT PC

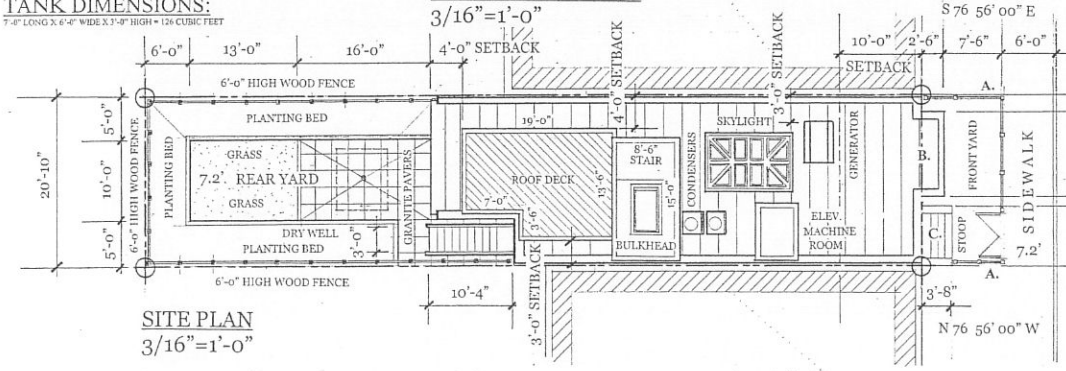



LOT AREA: 1,978.85 SF
LOT COVERAGE: 1,180.00 SF
REAR YARD AREA: 798.85 SF
PAVED AREA: (30%) 239.00 SF

DRYWELL IS DESIGNED FOR
50 YEAR RAIN EVENT, (6" FOR 24 HOURS),
239 SF X .5 FT.= 120 CUBIC FEET

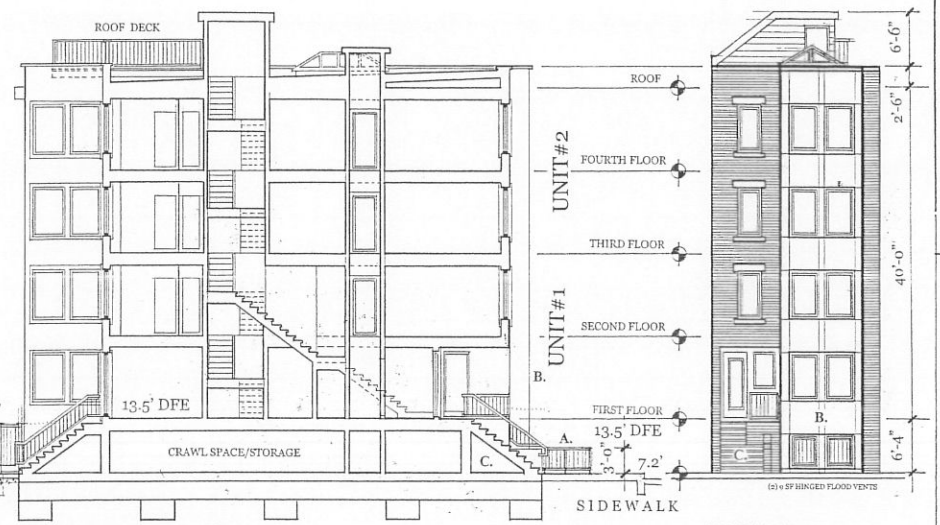
## TANK DIMENSIONS:

7'-0" LONG X 6'-0" WIDE X 3'-0" HIGH = 126 CUBIC FEET




## SITE PLAN

3/16"=1'-0"




## BUILDING SECTION

3/16"=1'-0"

## FACADE

3/16"=1'-0"

### ROOF DECK AREA CALCULATIONS:

| | |
|---|---|
| BLDG. AREA: | 1,180.00 SF |
| BAY AREA: | 25.00 SF |
| TOTAL AREA: | 1205.00 SF |
| (30%) = 360.00 SF | |
| ROOF DECK: | 1,180.00 SF |
| BULKHEAD: | 25.00 SF |
| TOTAL AREA: | 359.00 SF |

### R.O.W. ENCROACHMENTS:

A.) 10'-0" DEEP X 26'-10" WIDE X 3'-0" HIGH WROUGHT IRON FENCE
B.) 2'-6" DEEP X 16'-0" WIDE X 48'-10" HIGH ALUMINUM CLAD BAY
C.) 3'-8" DEEP X 7'-0" WIDE X 6'-0" HIGH MASONRY STOOP

James S. McNeight, P.C.
ARCHITECT + PLANNER
169 Schuyler Avenue
Kearny, New Jersey
07032
201.246.7515 Fax: 201.246.7513
jmcneight@jamesmcneight.com
NJ ARCHITECT LICENSE # 08626

333 Park Avenue
Hoboken, New Jersey
New Four-Story, Two-Family
Mid-Block Brick Row House
LOT SIZE: 20.83' X 95.00'

BLOCK: 179
LOT: 16

02 Oct 15

A-2

8

A TRUE COPY OF A RESOLUTION ADOPTED BY
THE COUNCIL OF THE CITY OF HOBOKEN, N.J.
AT A MEETING HELD ON: FEB 0 3 2016

Introduced by:
Seconded by:

James J. Farina
CITY CLERK

CITY OF HOBOKEN
RESOLUTION NO.

**RESOLUTION FURTHER AMENDING THE PROFESSIONAL SERVICE CONTRACT WITH EI ASSOCIATES FOR PROFESSIONAL ENGINEERING SERVICE TO THE CITY OF HOBOKEN FOR THE BACKUP GENERATORS PROJECT FOR A TERM TO EXPIRE OCTOBER 31, 2016, BUT WITH AN INCREASE IN THE NOT TO EXCEED AMOUNT BY $71,400.00, FOR A TOTAL NOT TO EXCEED AMOUNT OF $221,530.00.**

WHEREAS, service to the City as General Electrical Engineer is a professional service as defined by N.J.S.A. 40A:11-1 et seq. and as such, is exempt from public bidding requirements pursuant to N.J.S.A. 40A:11-5; and,

WHEREAS, in 8/2013 the City of Hoboken was made aware of potential power related issues at city properties, and thereafter obtained four (4) quotes, on an emergency basis, for the Professional Services, of which EI Associates responded to with the most advantageous proposal, and was awarded a contract, and thereafter on an annual basis EI Associates has submitted proposals in response to the City's RFP's for annual engineering services, in accordance with the State and Local Fair and Open Process; and,

WHEREAS, the EI Associates generator contract was previously amended to extend the term and increase the contract amount in 4/2015 and 7/2015, and the City now seeks to further amend the contract through 10/31/2016 and increase the not to exceed amount by $71,400.00, as set forth in the attached three EI Associates proposals, for a total not to exceed amount of $221,530.00; and,

WHEREAS, certification of funds is available as follows:

> I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that $71,400.00 for the Backup Generator Project site is available as follows: $71,400.00 is available in the following appropriations C-04-60-708-110 in the City's capital CY2016 budget; and I further certify that these accounts are available and appropriate for said expenditures; and I further certify that this commitment together with all previously made commitments does not exceed the appropriation balance available for this purpose.
>
> Signed: , George DeStefano, CFO

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Hoboken as follows:

A. This resolution amends the award of the contract to EI Associates for professional engineering services, in an increased amount of Seventy One Thousand Four Hundred Dollars ($71,400.00) for a total contract amount of $221,530.00, in accordance with the three proposals, attached hereto.
B. This resolution amends the expiration date of the contract until October 31, 2016.
C. If the contract amendment, as provided by the City of Hoboken, is not executed by the vendor within 21 days of execution of this award, the City may cancel this award and rebid the project.
D. Any change orders required shall be subject to formal City Council authorization, and

the City shall not be held liable for any amounts above the within contracted amounts unless/until same is authorized and appropriated by formal resolution of the City Council.

BE IT FURTHER RESOLVED that the City Council of the City of Hoboken authorizes the Mayor to enter into the herein described contract amendment with EI Associates; and,

BE IT FURTHER RESOLVED that the City Clerk shall publish this resolution in the City's official newspapers immediately; and,

BE IT FURTHER RESOLVED that this resolution shall take effect immediately as allowed by law.

**Meeting Date: February 3, 2016**

**APPROVED:**

Quentin Wiest
Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**

Alysia Prado, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | | | | |

EI ASSOCIATES
ARCHITECTURE
ENGINEERING
CONSTRUCTION

8 RIDGEDALE AVENUE
CEDAR KNOLLS, NJ 07927
www.eiassociates.com
TELEPHONE (973) 775-7777
FACSIMILE (973) 775-7770
E-MAIL: info@eiassociates.com

18 January 2016
EG7452.01

City of Hoboken
94 Washington St
Hoboken, NJ 07030

Attention: Mr. Quentin Wiest
Business Administrator

RE: Structural Engineering Services
501 Observer Highway Fire House

Dear Mr. Wiest:

Thank you for your recent request to provide structural engineering services to 501 Observer Highway fire house. EI Associates performed a site visit on November 12, 2015 and December 1, 2015 and based on these site visits and our discussions we are now confident that we understand your requirements, are prepared to commence work promptly. Thank you for this opportunity to be of assistance to the City of Hoboken.

## PROJECT DESCRIPTION

During the construction of the Emergency Generator Project the contractor discovered abandoned basements adjacent to his excavation site. This basement is located under the sidewalk of the firehouse. These basement was covered making it an unforeseen condition. Upon further investigation the basement area of 501 Observer Highway had water in the basement area.

The team from Hoboken requested EI provide a proposal to provide structural engineering services to revise the structural footings for the generators to avoid the buildings adjacent basements.

### Phase I Structural Engineering Services

EI's proposed scope of work is as follows:

1. Attend meeting at 501 Observer highway Ave. to determine the best course of action and survey the existing conditions.
2. Perform a site survey documenting the bump-out under the sidewalk.
3. Provide a new layout for the footings such that forces will not be transmitted to the basement wall under the sidewalk.

4. Provide Hoboken with revised structural drawings signed and sealed by a professional engineer relocate steel to avoid the adjacent basements which was uncovered during construction.

**WORK SCOPE NOTES**

1. We have assumed the construction contractor will obtain the construction permit from the Hoboken Building Department for the additional work.
2. Services covering environmental permitting is not included but can be performed as additional services for an additional fee.

**501 OBSERVER HIGHWAY STRUCTURAL ENGINEERING SERVICES COMPENSATION**

Our fee to provide these services will be for the lump sum fee of **SIX THOUSAND SIX HUNDRED ($6,300) DOLLARS** including estimated project related expenses of $100. Invoices will be submitted monthly and will be due and payable within 30 days.

We look forward to working with you on this project. Please indicate your acceptance by forwarding to us your Purchase Order making reference to this proposal. Please contact us if you have any questions or require any additional information and we will respond promptly. Thank you for this opportunity to be of service to The City of Hoboken.

Respectfully submitted,

EI ASSOCIATES
Architects &
Engineers, PA

Mel. P. Dworkin
Director, Business Development

Russell Meyer
Project Manager

Cc: EI Distribution
*G:\PROJECTS\HOBOKEN CITY\EG7452.00_EMERGENCY GENERATORS 8 BLDGS\ADMINISTRATIVE\PROPOSALS\CHANGE ORDER.DOCX*

EI
ASSOCIATES
ARCHITECTURE
ENGINEERING
CONSTRUCTION

8 RIDGEDALE AVENUE
CEDAR KNOLLS, NJ 07927
www.eiassociates.com
TELEPHONE (973) 775-7777
FACSIMILE (973) 775-7770
E-MAIL: info@eiassociates.com

18 January 2016
EG7452.02

City of Hoboken
94 Washington Street
Hoboken, NJ 07030

Attn: Quentin Wiest
Business Administrator

Dear Mr. Wiest:

EI Associates (EIA) proposes to provide six months of additional services of Frank Brancato to work under the direction and supervision of the City of Hoboken. Frank's rate will continue to be $110 per hour plus reimbursable expenses. Reimbursable expenses will be billed in accordance with the attached reimbursable expense sheet dated January 2016. We understand Frank will be working for the City of Hoboken approximately 20 hours per week. Based on 520 man-hours, our fee will be:

- $57,200 for the Emergency Generator Project and the Multi-Service Center Project plus reimbursable expenses.

We recommend you establish an allowance of $2,500 to cover reimbursable expenses.

We look forward to working with you on this important project. Please forward your purchase order referencing this proposal number. Please contact us if you have any questions or require any additional information.

Respectfully submitted,
EI ASSOCIATES
Architects &
Engineers, PA

Richard Basta, AIA, CID LEEDAP
Sr. Vice President-Design

Attachments: Reimbursable Expense Sheet

Cc: EI Distribution

## EI ASSOCIATES
## CHARGES FOR REIMBURSABLE EXPENSES

Expenses incurred in the interest of the project are charged at the following rates, or if not shown, at cost plus 15%.

1. Reproduction expenses as follows:

| | |
|---|---|
| Digital Bond First Copy – 30 x 42 | $7.98 each |
| Digital Bond Print – 30 x 42 | $3.50 each |
| Digital Bond First Copy – 24 x 36 | $5.35 each |
| Digital Bond Print – 24 x 36 | $2.50 each |
| Photocopy – 8.5 x 11 | $0.18 per sheet |
| Photocopy – 11 x 17 | $0.35 per sheet |
| Color Copy – 8.5 x 11 | $2.00 each |
| Color Copy – 11 x 17 | $3.00 each |
| CAD Color Plot – 30 x 42 | $27.00 each |
| CAD Color Plot – 24 x 36 | $18.00 each |
| CAD Check Plot – 8.5 x 11 | $2.50 per plot |
| CAD Check Plot – 11 x 17 | $2.75 per plot |
| CAD Check Plot – 15 x 21 | $3.00 per plot |
| Staple Prints | $1.50 per set |
| Wire or GBC Punch & Bind | $11.55 set |
| Acco Punch & Bind | $8.60 per set |
| Acetate 8.5 x 11 | $0.75 each |
| Scan to Disc | $18.00 per dwg. |

2. Downward conversion of latest version of AutoCAD to earlier version @ $75 per drawing. Retrieval of archived information: base fee $250.

3. Bind, purge, audit and publish AutoCAD files @ $25 per drawing.

4. Fax at $.50 per Page.

5. Automobile travel at $.54 per mile. Travel involving airplanes, rental cars, hotels, etc. at cost + 15%.

6. Messenger and overnight delivery charges at cost + 15%.

7. Subconsultants such as geotechnical, surveying, asbestos remediation, and specialty consultants at cost + 25%.

Batch Id: GDS Batch Date: 02/02/16 Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| C-04-60-708-110<br>Contractor & 40A:2-20 cost (2010) | Encumbrance | CFO Cert for meeting 02/03/16 EI Assoc | 71,400.00 | 7 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| | C-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71,400.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71,400.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 1 | 71,400.00 |
| Total: | 1 | 71,400.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 1 | 71,400.00 |

Batch: GDS Updated Entries: 1 Updated Amount: 71,400.00 Ref Num: 3969

Introduced by: _____
Seconded by: _____

9

**CITY OF HOBOKEN**
**RESOLUTION NO. :___**

**RESOLUTION TO AUTHORIZE EXECUTION OF THE ATTACHED AGREEMENT BETWEEN THE COUNTY OF HUDSON AND THE CITY OF HOBOKEN REGARDING FIRST STREET RAINGARDEN AND BIOSWALE INSTALLATION AND MAINTENANCE**

**WHEREAS**, the City wishes to enter into the attached Agreement with the County of Hudson; and

**WHEREAS**, the Agreement serves as an access and maintenance agreement in favor of the City's proposed raingarden and bioswale on First Street upon the County right of way; and,

**WHEREAS,** certification of funds are not required for this resolution.

**NOW THEREFORE, BE IT RESOLVED**, that the City is authorized to enter into the attached Agreement with County of Hudson, and take any and all other action to effectuate the Agreement, and the terms thereunder; and,

**BE IT FURTHER RESOLVED** the City Clerk shall publish this resolution as required by law and keep a copy of the resulting contract on file in accordance with N.J.S.A. 40A:11-1 et seq.; and,

**BE IT FURTHER RESOLVED** that a certified copy of this resolution shall be provided to Mayor Dawn Zimmer and Corporation Counsel for action in accordance therewith and to take any other actions necessary to complete and realize the intent and purpose of this resolution; and,

**BE IT FURTHER RESOLVED** that this resolution shall take effect immediately.

**Meeting Date: February 3, 2016**

**APPROVED:**
Quentin Wiest
Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**
Alysia Proko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 03 2016

CITY CLERK

**AGREEMENT FOR THE INSTALLATION AND MAINTENANCE OF A RAIN GARDEN CURB EXTENSION ON THE COUNTY RIGHT OF WAY AT FIRST STREET AND ADAMS STREETAND A BIOSWALE AT FIRST STREET AND PARK AVENUE IN THE CITY OF HOBOKEN**

**THIS AGREEMENT** made as of this day of 2016, is by and between the County of Hudson, a body corporate and politic of the State of New Jersey, having offices at 567 Pavonia Avenue, New Jersey 07306 ("County") and the City of Hoboken, a municipal corporation of the State of New Jersey, having offices at 94 Washington Street, 07030 ("Hoboken").

**WHEREAS,** Hoboken has received a grant from the New Jersey Economic Development Authority to design and construct a rain garden curb extension at First Street and Adams Street in Hoboken and a bioswale at First Street and Park Avenue in Hoboken; and

**WHEREAS,** the County is the owner of various rights of way, which include the public roadway of First Street; and

**WHEREAS,** the installation of the rain garden curb extension and the bioswale shall be at no cost to the County, and Hoboken shall be responsible for all installation, repair and maintenance costs; and

**WHEREAS,** it is in the public interest and benefit that this rain garden curb extension be installed on First Street near Adams Street; and

**WHEREAS**, it is in the public interest and benefit that this bioswale be constructed on First Street near Park Avenue.

**NOW, THEREFORE,** in consideration of the mutual covenants and promises contained herein, the parties agree as follows:

1. The County grants Hoboken permission to install and construct a rain garden curb extension at First Street and Adams Street in the City of Hoboken. Said installation shall be at no cost to the County. A diagram of the rain garden curb extension is attached to this Agreement as Exhibit 1.

2. The County grants Hoboken permission to install and construct a bioswale at First Street and Park Avenue in the City of Hoboken. Said installation shall be at no cost to the County. A diagram of the bioswale is attached to this Agreement as part of Exhibit 1.

3. Hoboken shall be responsible for determining the need for and conducting all repair and maintenance of the rain garden curb extension and the bioswale, and

shall bear all the costs related thereto. As part of this Agreement, the County hereby grants the City continued access to the areas for the purpose of repair and maintenance.

4. Hoboken agrees to indemnify and hold the County harmless from and against all liability, claims, suits, damages, costs, losses and expenses caused by, resulting from, or based upon the negligent and/or willful acts or omissions of Hoboken, its agents, servants employees, contractors or invitees arising out of or relating to this Agreement. Hoboken shall further indemnity and hold the County harmless from and against all liability, claims, suits, damages, costs, losses and expenses arising from the breach or default in the performance of this Agreement on the part of Hoboken, its agents, servants, employees, contractors or invitees, or otherwise out of Hoboken's obligations in connection with the performance of this agreement. Hoboken's obligations to indemnify and hold the County harmless shall include (without limitation) all costs, counsel fees, expenses and liabilities incurred in connection with any such action, or proceeding brought against the County. Hoboken, upon notice from the County, shall defend, at its sole cost and expense, any such action or proceeding. The County, in its discretion, may engage separate independent counsel, at its sole cost and expense, to appear on its behalf in response to such claim, action or proceedings, and the retention of separate counsel shall not constitute a waiver of the County's rights or Hoboken's obligations under this paragraph, except that any decisions regarding settlement of County liability by the County's independent counsel must be approved by Hoboken, or said liabilities resulting therefrom against the County shall be borne solely by the County. Hoboken does not agree to indemnify the County, or hold it harmless for liability and/or claims arising out of acts and omissions of the County, its agents, servants or employees.

5. The within permission to install the rain garden curb extension and bioswale shall not relieve Hoboken of the responsibility or obligation to obtain all necessary State, County and/or Municipal permits; and

6. This Agreement shall not be deemed or construed to create or vest any legal title to or leasehold interest in the County's right of way.

7. Hoboken shall provide, in writing to the County, the names of two (2) authorized representatives of Hoboken who shall be responsible for adherence to the terms and conditions of the Agreement.

8. All notices between the parties shall be addressed and delivered to the following:

FOR THE COUNTY OF HUDSON:

Office of the County Engineer
Joseph Glembocki, Acting County Engineer
Division of Roads and Buildings
595 County Avenue
Building 3, 2nd Floor
Secaucus, New Jersey 07094

WITH COPY TO:

Office of the County Counsel
Donato Battista, Esq.
County of Hudson
567 Pavonia Avenue
Jersey City, New Jersey 07306

FOR THE CITY OF HOBOKEN

City of Hoboken
Office of the Mayor
94 Washington Street
Hoboken, New Jersey 07030

WITH A COPY TO:

City of Hoboken
Office of Corporation Counsel
94 Washington Street
Hoboken, New Jersey 07030

9. When any notice is required pursuant this Agreement, that notice shall be in writing forwarded to the addressees set forth herein. The manner of delivery shall be by overnight mail by an overnight delivery service such as UPS or Fedex, hand delivery with proof of receipt or by certified mail return receipt requested. Email or fax shall not constitute notice under this Agreement, the parties agree to promptly inform each other of any changes in the addresses set forth above.

10. This Agreement embodies the entire understanding of the parties. If one or more of the provisions or terms contained in this Agreement shall be held invalid, illegal or unenforceable in any respect, the validity of the remaining covenants, terms or provisions shall remain in full force and effect.

11. This agreement shall be governed by and construed in accordance with the laws of the State of New Jersey. Any legal action or enforcement or any other legal issue relating to this agreement shall be instituted in the Superior Court of New Jersey located in Hudson County.

12. The above referenced recitals shall be incorporated in this Agreement.

(THIS SPACE INTENTIONALLY LEFT BLANK)

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above:

WITNESS

By:_____
Alberto G. Santos
Clerk of the Hudson County Freeholders

COUNTY OF HUDSON

By:_____
Abraham Antun
County Administrator

WITNESS

By:_____
James Farina, RMC
City Clerk of the City of Hoboken

CITY OF HOBOKEN

By:_____
Hon. Dawn Zimmer
Mayor of the City of Hoboken

# CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

## CITY OF HOBOKEN
## HUDSON COUNTY, NEW JERSEY

### PUBLIC UTILITIES

ELECTRIC:
PUBLIC SERVICE ELECTRIC & GAS CO.
ELECTRIC, PALISADES DIVISION
325 COUNTY AVENUE
SECAUCUS, NEW JERSEY 07094
SUE WOODELL 201-330-6456

GAS:
PUBLIC SERVICE ELECTRIC & GAS CO. GAS DISTRIBUTION,
CENTRAL GAS DIVISION
444 ST. PAUL'S AVENUE
JERSEY CITY, NEW JERSEY 07306
JIM CAVANAUGH, DISTRIBUTION SUPERVISOR 201-420-3950

WATER:
HOBOKEN WATER SERVICES
69 DEVOE PLACE
HACKENSACK, NEW JERSEY 07601
JOE SENSALE 201-525-4582

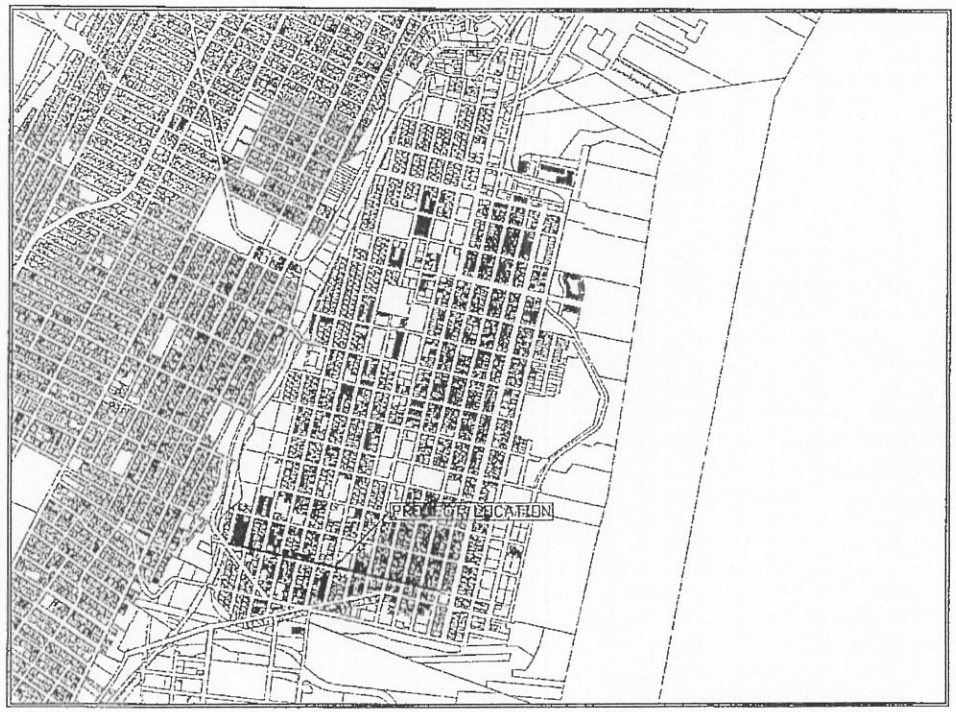
TELEPHONE:
VERIZON - NEW JERSEY, INC.
114 PATERSON STREET, 3rd FLOOR
PATERSON, NEW JERSEY 07501
JESTON GUY, NETWORK ENGINEER 973-925-1486

SEWERS:
NORTH HUDSON SEWAGE AUTHORITY
1600 ADAMS STREET
HOBOKEN, NEW JERSEY 07030
FREDRIC POCCI 201-420-0935

CABLE:
CABLEVISION
800 RAILWAY AVENUE
UNION, NJ 07083
MR. RICHARD GUGULSKI
732-602-7444 EXT. 2293

LOCATION OF UTILITIES SHOWN ON THE PLANS ARE PLOTTED FROM AVAILABLE DATA ON FILE WITH THE UTILITY COMPANIES AND ARE NOT WARRANTED AS TO EXACTNESS. CONTRACTOR IS TO DETERMINE EXACT LOCATION AND DEPTH OF UTILITIES AT ALL CROSSINGS PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

PRIOR TO DIGGING CALL 1-800-272-1000




KEY MAP
N.T.S.

| INDEX | |
|---|---|
| NO. | DESCRIPTION |
| 1 | TITLE SHEET |
| 2 | LEGEND, TYPICAL SECTIONS AND GENERAL NOTES |
| 3-5 | CONSTRUCTION AND STRIPING PLANS |
| 6-8 | LANDSCAPING AND GREEN INFRASTRUCTURE PLAN |
| 9 | LANDSCAPE CONSTRUCTION DETAILS |
| 10 | RAIN GARDEN CONSTRUCTION DETAILS |
| 11 | BIOSWALE CONSTRUCTION DETAILS |
| 12 | WAYFINDING SIGNAGE PLAN |
| 13-16 | CONSTRUCTION DETAILS |
| 17-18 | SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS |
| 19-20 | MAINTENANCE AND PROTECTION OF TRAFFIC |
| | |


• CONSULTING AND MUNICIPAL ENGINEERS
• PLANNERS • SURVEYORS
• PUBLIC WORKS, LAND USE AND SITE DESIGN CONSULTANTS

1455 BROAD STREET, BLOOMFIELD, NEW JERSEY 07003
(973) 614-0005 FAX (973) 338-5867

08/05/2015
DATE

JACLYN J. FLOR, P.E., P.P., C.M.E
CONSULTING ENGINEER
N.J. LICENSE NO. GE45426


MAYOR
DAWN ZIMMER

CITY COUNCIL
RAVINDER BHALLA, PRESIDENT
THERESA CASTELLANO
PETER CUNNINGHAM
JAMES DOYLE
JENNIFER GIATTINO
ELIZABETH MASON
DAVID MELLO
TIMOTHY OCCHIPINTI
MICHAEL RUSSO

CITY CLERK
JAMES J. FARINA

HOBK-00060

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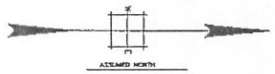
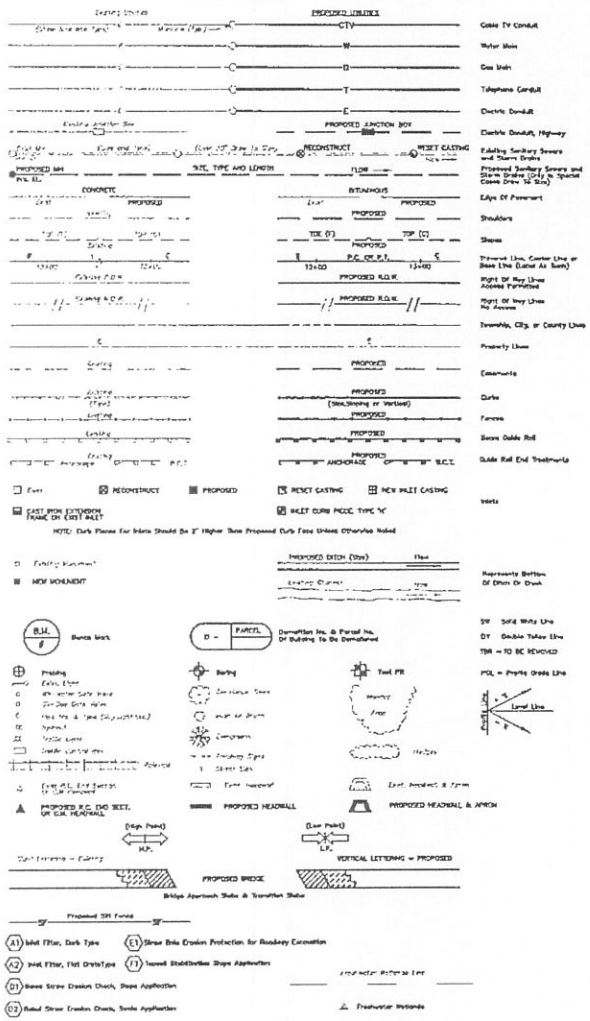
THE LIGHTING OR REUSE OF THIS DOCUMENT, OR PORTIONS HEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF TBM ASSOCIATES, IS PROHIBITED.

## STANDARD LEGEND






NOTE: Curb Planes For Inlets Should Be 3" Higher Than Proposed Curb Face Unless Otherwise Noted

## GENERAL NOTES:

1. NO CONSTRUCTION ACTIVITY IS TO TAKE PLACE OUTSIDE THE LIMIT OF DISTURBANCE.
2. TOPOGRAPHY SHOWN IS BASED ON AERIALS AND IS APPROXIMATE. QUANTITIES FOR CONSTRUCT ITEMS SHOWN ARE APPROXIMATE. ENGINEER MAY ADJUST QUANTITIES IN FIELD.
3. THESE PLANS DO NOT PROVIDE FOR ANY STOCKPILE AREAS. IF THE CONTRACTOR OBTAINS STOCKPILING LOCATIONS FOR ANY MATERIAL PRIOR TO EROSION FOR THIS PROJECT, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO HAVE A NJ LICENSED PROFESSIONAL ENGINEER PREPARE SOIL EROSION AND SEDIMENT CONTROL PLANS AND TO APPLY FOR AND OBTAIN PLAN CERTIFICATION FROM THE HUDSON ESSEX PASSAIC SOIL CONSERVATION DISTRICT.
4. AT THE END OF EACH WORKDAY, THE CONTRACTOR SHALL CLEAN AND REMOVE ALL CONSTRUCTION DEBRIS FROM ROADWAYS AND MAINTAIN SAFE ACCESS TO ALL HOMES AND BUSINESSES FOR PEDESTRIANS AND VEHICLES.
5. NO SEPARATE PAYMENT SHALL BE MADE FOR ROADWAY EXCAVATION UNCLASSIFIED, SAWCUTTING, REMOVAL OF CURB, SIDEWALK, CONCRETE PAVEMENT, OR CLEARING SITE. INCLUDE ALL COSTS OF THE ABOVE IN THE VARIOUS ITEMS IN THE BID PROPOSAL. AT LIMITS OF NEW SIDEWALK NOT CLOSE TO EXPANSION JOINTS, THE CONTRACTOR SHALL SAWCUT EXISTING SIDEWALK.
6. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL CONTACT THE SAFE DIG HOTLINE (1-800-272-1000) AND VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO ANY EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE EXCAVATED BY THE CONTRACTOR TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS MAY BE REQUIRED TO AVOID UTILITY CONFLICTS.
7. DENSE GRADED AGGREGATE BASE COURSE SHALL BE INSTALLED IF & WHERE DIRECTED.
8. IF APPLICABLE, CONTRACTOR SHALL, AT LIMIT OF PAVING, MILL 8" WIDE KEY 1 1/2" AVERAGE DEPTH OR SAWCUT EXISTING PAVEMENT FOR NEAT STRAIGHT LINE UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL PAY CLOSE ATTENTION TO DETAIL "END TREATMENT FOR MILLING OPERATIONS" ON DRAWING C2-1, IF APPLICABLE. ALL KEYWAYS SHALL HAVE A SAWCUT, VERTICAL EDGE. MEET EXISTING GRADE AT OUTER LIMIT OF MILLING.
9. TACK COAT SHALL BE IN ACCORDANCE WITH SECTION 401.03.02. NO SEPARATE PAYMENT SHALL BE MADE, INCLUDE ALL COSTS IN THE VARIOUS ITEMS.
10. CONTRACTOR SHALL CLEAN AND SWEEP AND TACK THE PAVEMENT IMMEDIATELY PRIOR TO OVERLAY.
11. INSTALLATION OF HOT MIX ASPHALT SURFACE COURSE SHALL NOT BE PERMITTED UNTIL THE BASE COURSE IS APPROVED BY THE ENGINEER. THE ENGINEER MAY DIRECT THE CONTRACTOR TO MAKE CORRECTIVE MEASURES TO THE BASE COURSE PRIOR TO THE INSTALLATION OF THE SURFACE COURSE AT NO ADDITIONAL COST TO THE OWNER.
12. COLD JOINTS RESULTING FROM THE PAVING OPERATIONS SHALL BE TREATED WITH AN APPLICATION OF POLYMERIZED JOINT ADHESIVE IN ACCORDANCE WITH THE NJDOT STANDARD SPECIFICATIONS (NO SEPARATE PAYMENT).
13. CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS WHEN RECONSTRUCTING OR OVERLAYING UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY QUESTIONABLE DRAINAGE AREAS SO THAT FIELD ADJUSTMENTS CAN BE MADE TO ELIMINATE PONDING.
14. THE EDGES OF THE HOT MIX ASPHALT BASE COURSE SHALL BE PARALLEL TO THE ROADWAY CENTERLINE AND RECTANGULAR IN SHAPE. ALL EDGES SHALL BE VERTICAL.
15. THE LIMIT OF EXCAVATION AND HOT MIX ASPHALT BASE COURSE AT PAVEMENT RECONSTRUCTION AREAS MAY VARY AS DIRECTED BY ENGINEER IN FIELD.
16. AT EXCAVATION FOR DRAINAGE PIPE OR STRUCTURES, CONTRACTOR IS RESPONSIBLE FOR SUPPORTING UTILITY POLES AS RECOMMENDED BY THE UTILITY COMPANY.
17. ALL TRENCHES SHALL BE BACKFILLED AND RECEIVE A MINIMUM OF 2 INCHES OF HOT MIX ASPHALT PAVEMENT AT THE END OF EACH DAY. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK. COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS LISTED IN THE PROPOSAL.
18. PRIOR TO EXCAVATION FOR THE PROPOSED HANDICAP RAMPS, THE ENGINEER AND THE CONTRACTOR SHALL REVIEW THE EXISTING CONDITIONS AT THE LOCATION OF THE PROPOSED ADA COMPLIANT HANDICAP RAMPS AND DETERMINE THE BEST APPROACH FOR CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL SURVEY AND LAYOUT NECESSARY TO PROVIDE PUBLIC SIDEWALK CURB RAMPS THAT COMPLY WITH THE DETAILS.
19. ALL NON-CONFORMING HANDICAP RAMPS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER TO CONFORM WITH CURRENT ADA REQUIREMENTS.
20. ADA COMPATIBLE CURB RAMPS WILL BE PAID AS CONCRETE SIDEWALK, 4" THICK.
21. THE LOCATION AND CONFIGURATION OF EXISTING TRAFFIC STRIPES AND MARKINGS SHOWN ON THIS PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL MEASURE AND RECORD THE ACTUAL SIZE, LOCATION AND CONFIGURATION OF EXISTING TRAFFIC STRIPES AND MARKINGS AND REPLACE IN KIND OR AS DIRECTED BY THE ENGINEER.
22. LOCATIONS OF GAS AND WATER VALVES SHOWN ARE APPROXIMATE. THERE MAY BE MORE THAN SHOWN ON CONSTRUCTION PLANS. CONTRACTOR IS RESPONSIBLE FOR RESETTING ALL VALVE CASTINGS, REGARDLESS OF WHAT IS SHOWN ON PLANS. INCLUDE COSTS IN VARIOUS ITEMS IN THE BID PROPOSAL.
23. RESTORE TURF AREAS WITH 4" THICK BORROW TOPSOILING, FERTILIZING & SEEDING, TYPE "G", & STRAW MULCHING.
24. THE TOPSOIL USED FOR THIS PROJECT SHALL BE IN STRICT CONFORMANCE TO THE PROJECT SPECIFICATIONS. ANY TOPSOIL NOT MEETING THE ENGINEER'S APPROVAL SHALL BE REMOVED AND REPLACED AT HIS CONTRACTOR'S EXPENSE.
25. CONTRACTOR SHALL SUBMIT SEED BAG TICKETS TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING SEED.
26. CONTRACTOR SHALL ESTABLISH A FULL STAND OF GRASS WITH NO BARE PATCHES, CRABGRASS OR WEEDS.
27. THROUGH-THE-CURB ROOF AND SUMP PUMP DRAINS ARE PRESENT AT VARIOUS LOCATION THROUGHOUT THE PROJECT. CONTRACTOR SHALL MAINTAIN THE OPERATION OF THESE DRAINS BY ADJUSTING THE PROPOSED GUTTER GRADES AS REQUIRED DURING OVERLAY INSTALLATION.
28. THE CONTRACTOR IS ADVISED THAT THE EXISTING CURB PIECES WITHIN THE PROJECT LIMITS MAY BE OF VARYING HEIGHT. THE CONTRACTOR SHALL INVENTORY THE HEIGHT OF ALL EXISTING CURB PIECES TO BE REPLACED BEFORE THE REPLACEMENT "CCO" HEADS ARE ORDERED. PURCHASED "CCO" HEADS OF INCORRECT HEIGHT SHALL BE REPLACED AT NO COST TO THE OWNER.
29. LOW TREE BRANCHES OVERHANGING EXISTING OR PROPOSED SIDEWALKS, HANDICAP ACCESS ROUTES, ETC. SHALL BE TRIMMED AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCLUDED IN THE VARIOUS BID ITEMS.
30. THE CONTRACTOR IS RESPONSIBLE FOR STAKEOUT, COORDINATION OF ALL WORK WITH UTILITY COMPANIES, AND TEMPORARY SUPPORT OF UTILITY POLES, IF REQUIRED.
31. ALL MILLED AREAS ARE TO BE PAVED WITHIN 24 HOURS UNLESS OTHERWISE APPROVED BY THE OWNER.
32. ANY AND ALL COBBLESTONES UNCOVERED, FOLLOWING MILLING OPERATIONS, SHALL BE RESET AS DIRECTED BY THE ENGINEER. ALL ASSOCIATED COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE PROPOSAL.
33. THE CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION OF THE EXISTING COBBLESTONES (WHICH ARE TO BE RECLAIMED) IN THE PROPOSED AREAS. ANY DAMAGED COBBLESTONES TO BE RESET ARE TO BE REMOVED AND REPLACED WITH THE RECLAIMED COBBLESTONES.
34. FLEXIBLE BOLLARDS SHALL BE INSTALLED CONCURRENTLY WITH THE TEXTURED SURFACE.
35. DRIVEWAY STRIPING BOXES SHALL NOT BE WIDER THAN 1 FOOT ON EACH SIDE OF DRIVEWAY ENTRANCE.

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CITY OF HOBOKEN

# CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

## LEGEND AND GENERAL NOTES

T&M ASSOCIATES
11 TIPTON ROAD
MIDDLETOWN, NJ 07748
TEL 732 671-6400
FAX 732 671-2486

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
09/09/2015
DATE

LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE45701

| DESIGNED BY | CHECKED BY | QUALITY CONTROL BY |
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| DRAWING NO. | SCALE | PROJECT NO. |
| HOBLG0100 | HOBGEN45.0.dwg | |

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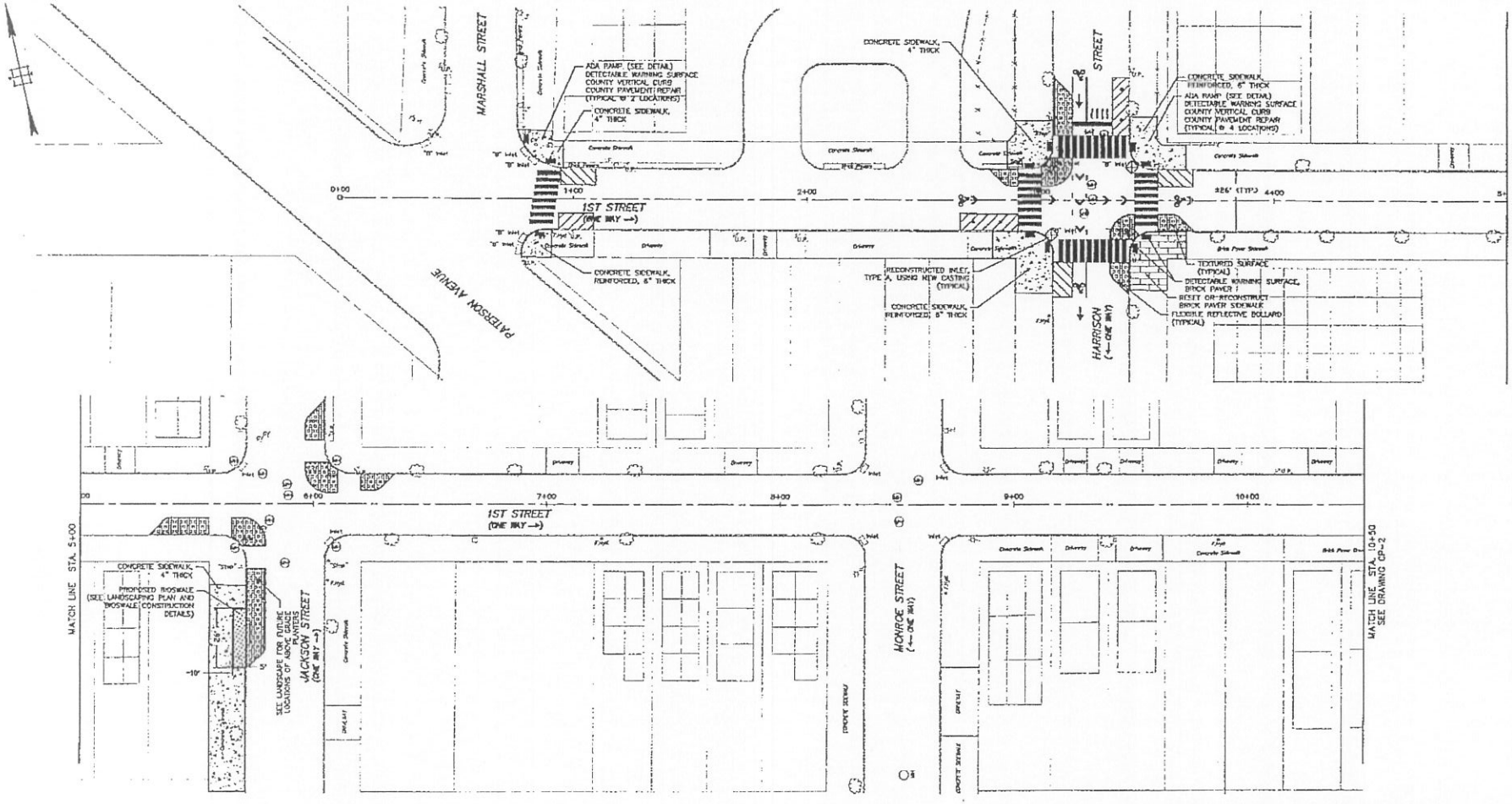
SHEET 2 OF 20




## CONSTRUCT ITEMS – BASE BID

| | |
|---|---|
| 6 TN | HOT MIX ASPHALT, 12.5M64, SURFACE COURSE, 2" THICK |
| 24 TN | HOT MIX ASPHALT, 19M64, BASE COURSE, 8" THICK |
| 4 UN | RECONSTRUCTED INLET, TYPE A, USING EXISTING CASTING |
| 200 SY | CONCRETE SIDEWALK, 4" THICK |
| 113 SY | CONCRETE SIDEWALK, REINFORCED, 6" THICK |
| 54 SY | RESET OR RECONSTRUCT BRICK PAVER SIDEWALK |
| 8 SY | DETECTABLE WARNING SURFACE |
| 2 SY | DETECTABLE WARNING SURFACE, BRICK PAVER |
| 314 LF | COUNTY VERTICAL CURB |
| 110 LF | CURB PAINT |
| 1 UN | BIOSWALE |

## CONSTRUCT ITEMS – ADD ALTERNATE B

| | |
|---|---|
| 1,375 SF | TRAFFIC STRIPES, LONG-LIFE, THERMOPLASTIC |
| 284 SF | TRAFFIC MARKINGS, THERMOPLASTIC |
| 1,031 SF | TEXTURED SURFACE |
| 21 UN | FLEXIBLE REFLECTIVE BOLLARD |

NOTE:

ADDITIONAL CONSTRUCT ITEMS AND QUANTITIES PERTAINING TO THIS PLAN MAY BE FOUND ON LP-1.

NOTES:

1. CONTRACTOR TO VERIFY INVERTS AND SLOPE OF EXISTING AND PROPOSED STORM PIPE BASED ON EXISTING FIELD CONDITIONS AND AS APPROVED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE OF EXISTING AND PROPOSED DRAINAGE.
2. CONTRACTOR TO IDENTIFY AND NOTIFY ENGINEER OF ANY AREAS OF WATER PONDING ON THE ROADWAY. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE OF PROPOSED ROADWAY.
3. CONTRACTOR SHALL IDENTIFY AND NOTIFY THE ENGINEER OF ALL CORNERS WITHIN PROJECT LIMITS WITHOUT A STREET IDENTIFICATION SIGN. THE INSTALLATION AT NO SEPARATE PAYMENT OF A 4" DIA. PVC SLEEVE WITHIN THE PROPOSED SIDEWALK WILL BE REQUIRED FOR FUTURE SIGN INSTALLATION BY THE CITY.
4. ALL INLETS SHALL BE PROTECTED USING APPROPRIATE INLET FILTERS DURING CONSTRUCTION ACTIVITIES (SEE SOIL EROSION AND SEDIMENT CONTROL DETAILS).

GRAPHIC SCALE

30 0 10 20 40

(IN FEET)
1 inch = 20 ft.

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

1ST STREET CONSTRUCTION & SOIL EROSION AND SEDIMENT CONTROL PLAN

PETER F. BONDAR, P.E.
CONSULTING ENGINEER

LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE40100

05/06/2015

DRAWING CP-1

SHEET 3 OF 20

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CONSTRUCT ITEMS – BASE BID

| | | |
|---|---|---|
| 20 | TN | HOT MIX ASPHALT, 12.5M64, SURFACE COURSE, 2" THICK |
| 80 | TN | HOT MIX ASPHALT, 19M64, BASE COURSE, 8" THICK |
| 3 | UN | INLET, TYPE A |
| 4 | UN | RECONSTRUCTED INLET, TYPE A, USING EXISTING CASTING |
| 2 | UN | RESET EXISTING CASTING |
| 2 | UN | BICYCLE SAFE GRATE |
| 254 | SY | CONCRETE SIDEWALK, 4" THICK |
| 259 | SY | CONCRETE SIDEWALK, REINFORCED, 6" THICK |
| 48 | SY | RESET OR RECONSTRUCT BRICK PAVER SIDEWALK |
| 28 | SY | DETECTABLE WARNING SURFACE |
| 2 | SY | DETECTABLE WARNING SURFACE, BRICK PAVER |
| 585 | LF | COUNTY VERTICAL CURB |
| 320 | LF | CURB PAINT |
| 1 | UN | RAIN GARDEN |
| 2 | UN | BIOSWALE |

NOTE:

ADDITIONAL CONSTRUCT ITEMS AND QUANTITIES PERTAINING TO THIS PLAN MAY BE FOUND ON LP-2.

CONSTRUCT ITEMS – ALTERNATE B

| | | |
|---|---|---|
| 4,256 | SF | TRAFFIC STRIPES, LONG-LIFE, THERMOPLASTIC |
| 792 | SF | TRAFFIC MARKINGS, THERMOPLASTIC |
| 2,584 | SF | TEXTURED SURFACE |
| 40 | UN | FLEXIBLE REFLECTIVE BOLLARD |

CONSTRUCT ITEMS – ADD ALTERNATE D

| | | |
|---|---|---|
| 1 | UN | RAINGARDEN UP-LIGHTING |
| 1 | UN | RAINGARDEN MONITOR-READY |
| 4 | UN | BIOSWALE UP-LIGHTING |
| 4 | UN | BIOSWALE MONITOR-READY |

CONSTRUCT ITEMS – ADD ALTERNATE E

| | | |
|---|---|---|
| 2 | UN | RAINGARDEN FOREBAY |

NOTES:

1. CONTRACTOR TO VERIFY INVERTS AND SLOPE OF EXISTING AND PROPOSED STORM PIPE BASED ON EXISTING FIELD CONDITIONS AND AS APPROVED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE OF EXISTING AND PROPOSED DRAINAGE.
2. CONTRACTOR TO IDENTIFY AND NOTIFY ENGINEER OF ANY AREAS OF WATER PONDING ON THE ROADWAY. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE OF PROPOSED ROADWAY.
3. CONTRACTOR SHALL IDENTIFY AND NOTIFY THE ENGINEER OF ALL CORNERS WITHIN PROJECT LIMITS WITHOUT A STREET IDENTIFICATION SIGN. THE INSTALLATION AT NO SEPARATE PAYMENT OF A 4" DIA. PVC SLEEVE WITHIN THE PROPOSED SIDEWALK WILL BE REQUIRED FOR FUTURE SIGN INSTALLATION BY THE CITY.
4. ALL INLETS SHALL BE PROTECTED USING APPROPRIATE INLET FILTERS DURING CONSTRUCTION ACTIVITIES (SEE SOIL EROSION AND SEDIMENT CONTROL DETAILS).

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

1ST STREET CONSTRUCTION & SOIL EROSION AND SEDIMENT CONTROL PLAN

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. [illegible]

08/04/2015

DRAWING CP-2

SHEET 4 OF 20

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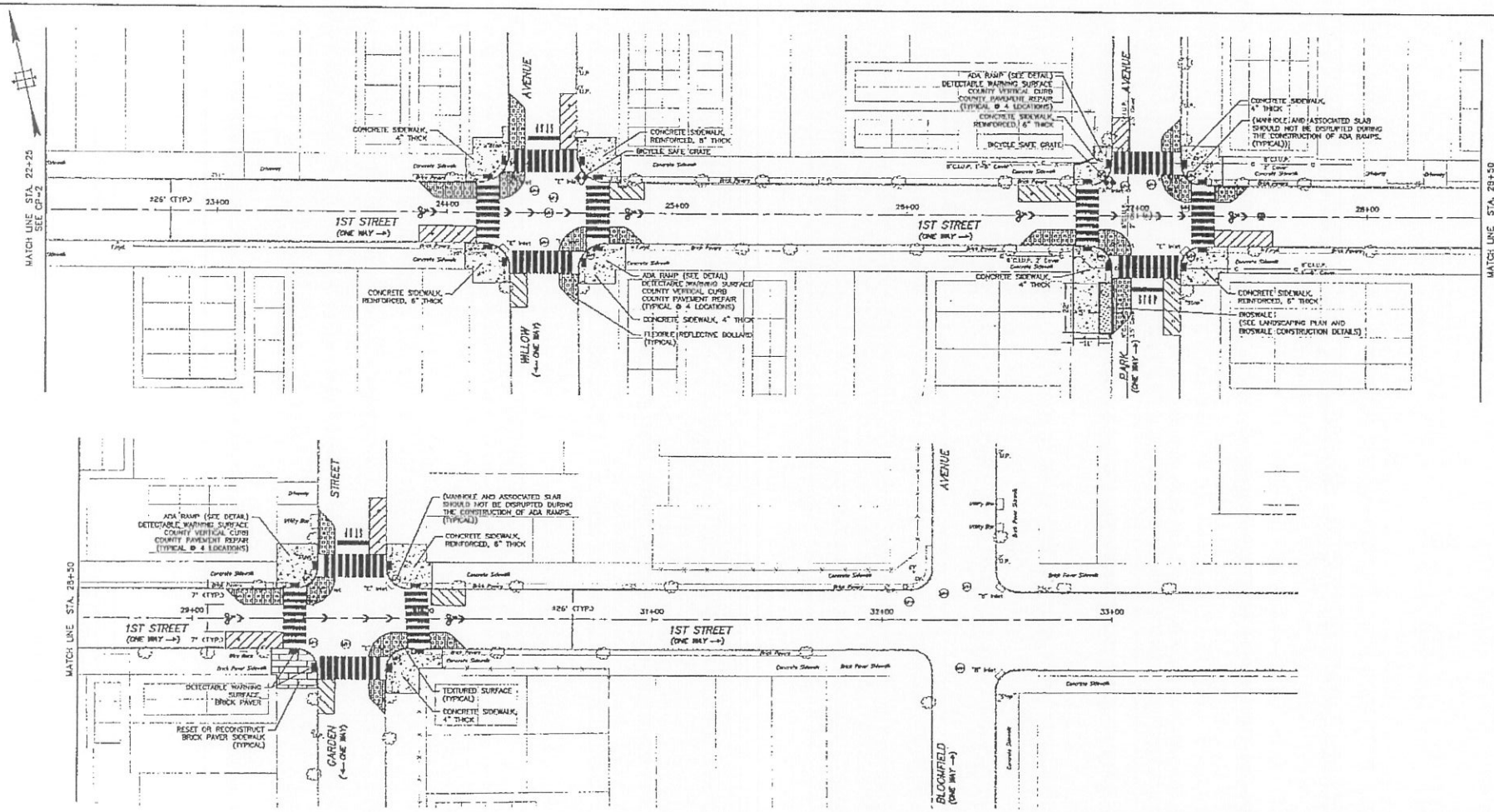


### CONSTRUCT ITEMS – BASE BID

| | |
|---|---|
| 14 TN | HOT MIX ASPHALT, 12.5M64, SURFACE COURSE, 2" THICK |
| 54 TN | HOT MIX ASPHALT, 19M64, BASE COURSE, 8" THICK |
| 3 UN | BICYCLE SAFE GRATE |
| 1 UN | CURB PIECE, F-ECO |
| 232 SY | CONCRETE SIDEWALK, 4" THICK |
| 182 SY | CONCRETE SIDEWALK, REINFORCED, 8" THICK |
| 35 SY | RESET OR RECONSTRUCT BRICK PAVER SIDEWALK |
| 20 SY | DETECTABLE WARNING SURFACE |
| 2 SY | DETECTABLE WARNING SURFACE, BRICK PAVER |
| 432 LF | COUNTY VERTICAL CURB |
| 240 LF | CURB PAINT |
| 1 UN | BIOSWALE |

NOTE:

ADDITIONAL CONSTRUCT ITEMS AND QUANTITIES PERTAINING TO THIS PLAN MAY BE FOUND ON CP-3.

### CONSTRUCT ITEMS – ADD ALTERNATE A

| | |
|---|---|
| 2,128 SF | TRAFFIC STRIPES, LONG-LIFE, THERMOPLASTIC |
| 321 SF | TRAFFIC MARKINGS, THERMOPLASTIC |
| 1,330 SF | TEXTURED SURFACE |
| 20 UN | FLEXIBLE REFLECTIVE BOLLARD |

### CONSTRUCT ITEMS – ADD ALTERNATE B

| | |
|---|---|
| 1,064 SF | TRAFFIC STRIPES, LONG-LIFE, THERMOPLASTIC |
| 160 SF | TRAFFIC MARKINGS, THERMOPLASTIC |
| 875 SF | TEXTURED SURFACE |
| 10 UN | FLEXIBLE REFLECTIVE BOLLARD |

NOTES:

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GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

| NO. | DATE | REVISIONS | BY | CHK'D |
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CITY OF HOBOKEN

# CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

## 1ST STREET CONSTRUCTION & SOIL EROSION AND SEDIMENT CONTROL PLAN


11 TYNEMILL ROAD
MIDDLETOWN, NJ 07748
TEL 732-671-6690
FAX 732-671-7285

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE44108


08/01/2015

DRAWING: CP-3

SHEET: 5 OF 28


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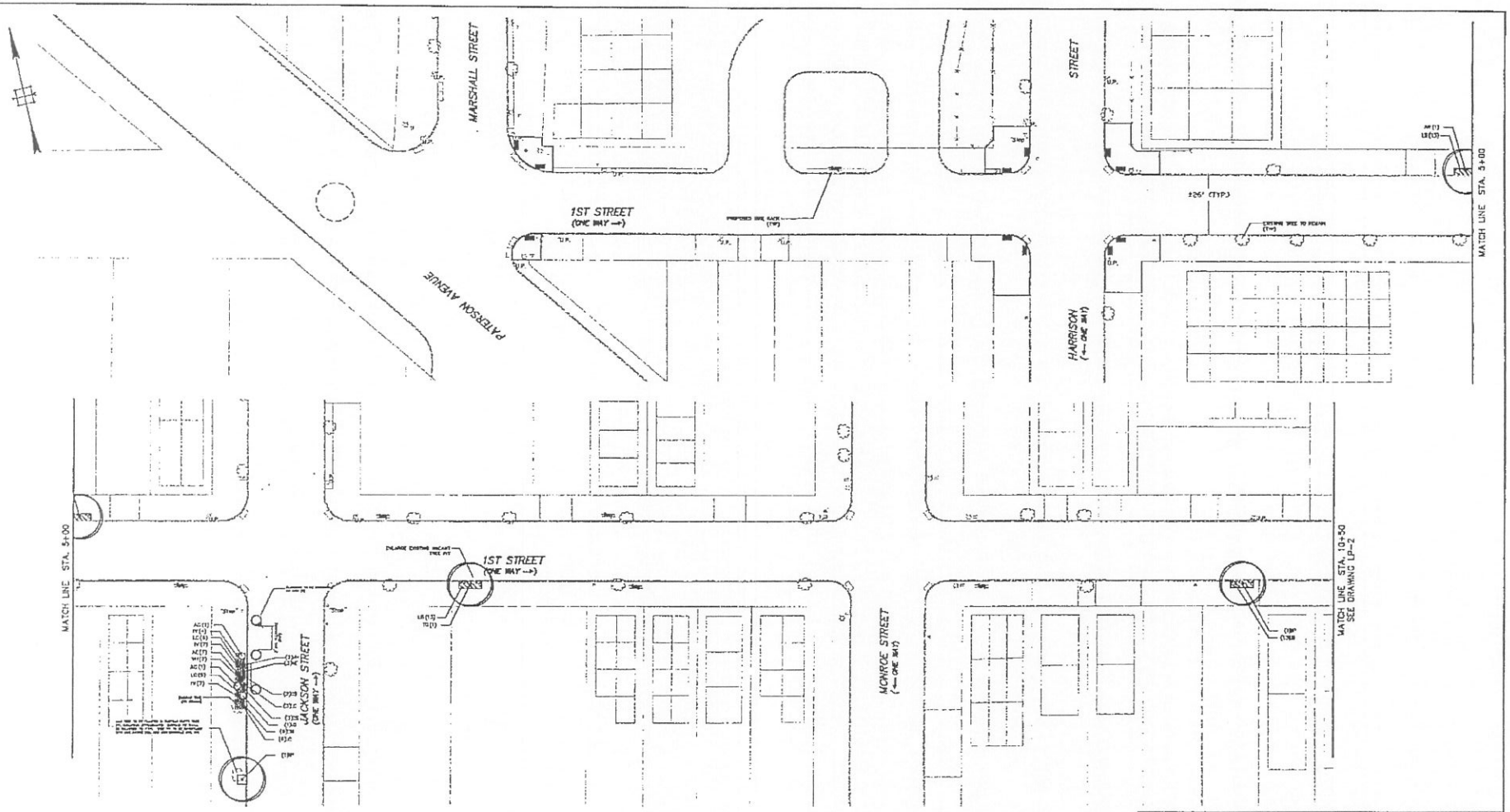


## PLANT SCHEDULE LP-1

| DECIDUOUS TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL | SIZE | REMARKS |
|---|---|---|---|---|---|---|---|
| AM | 1 | AMELANCHIER CANADENSIS "ROBIN HILL" | ROBIN HILL SERVICEBERRY | B & B | 2.5"CAL | | SINGLE STEM |
| OP | 2 | QUERCUS PHELLOS | WILLOW OAK | B & B | 2.5"CAL | | |
| TC | 1 | TILIA CORDATA "GREENSPIRE" | GREENSPIRE LITTLELEAF LINDEN | B & B | 2.5"CAL | | |
| ANNUALS/PERENNIALS | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL | SIZE | REMARKS |
| AG | 3 | ANDROPOGON GERARDI | BIG BLUE STEM | CONT. | | 1 CAL. | |
| AE | 10 | ASTER NOVAE-ANGLIAE | NEW ENGLAND ASTER | CONT. | | 2 GT. | |
| CM | 6 | CORDYPSIS K "MOONBEAM" | MOONBEAM CORDYPSIS | 2 GT | | | |
| IV | 18 | IRIS VIRGINICA | BLUE FLAG IRIS | 2 GT | | | |
| LC | 20 | LOBELIA CARDINALIS | CARDINAL FLOWER | 2 GT | | | |
| GROUND COVERS | QTY | BOTANICAL NAME | COMMON NAME | CONT | SIZE | SPACING | REMARKS |
| CS | 5 | CAREX SCOPARIA | BROOM SEDGE | 2" PLUG | | 6" o.c. | |
| LB | 30 | LIRIOPE MUSCARI "BIG BLUE" | BIG BLUE LILYTURF | 2 GT | | 18" o.c. | |
| VH | 4 | VERBENA HASTATA | BLUE VERVAIN | 2" PLUG | | 10" o.c. | |

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

1ST STREET LANDSCAPING AND GREEN INFRASTRUCTURE PLAN

BRIAN LEFF, P.P., L.L.A.
CONSULTING LANDSCAPE ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF NEW JERSEY LICENSE No. A00799
08/06/2015

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE40198
08/06/2015

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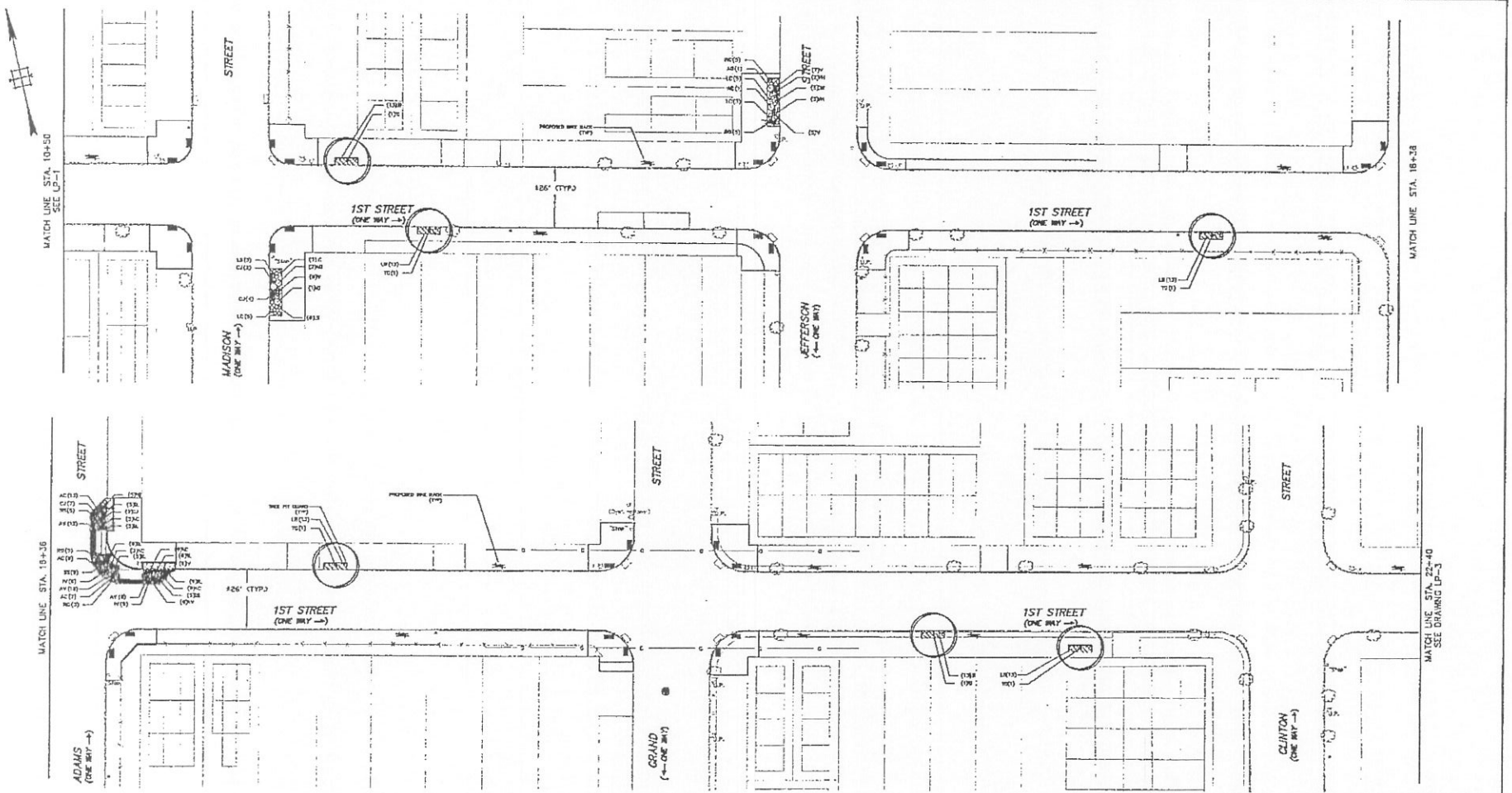
SHEET 6 OF 20




## PLANT SCHEDULE LP-2

| DESIGNER TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL | SIZE | REMARKS |
|---|---|---|---|---|---|---|---|
| TG | 6 | TILIA CORDATA "GREENSPIRE" | GREENSPIRE LITTLELEAF LINDEN | B & B | 3.5" CAL | | |

| ANNUALS/PERENNIALS | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL | SIZE | REMARKS |
|---|---|---|---|---|---|---|---|
| AN | 6 | ANDROPOGON GERARDII | BIG BLUE STEM | CONT | | 1 CAL | |
| AC | 59 | ASTER NOVI-BELGII "SNOW CUSHION" | NEW YORK ASTER | 2 GT | | | |
| CM | 5 | CORDOPSIS X "MOONBEAM" | MOONBEAM CORDOPSIS | 2 GT | | | |
| IV | 42 | IRIS VIRGINICA | BLUE FLAG IRIS | 2 GT | | | |
| LS | 9 | LIATRIS SPICATA "SNOW WHITE" | SPIKE CAYFEATHER | 2 GT | | | |
| LC | 18 | LOBELIA CARDINALIS | CARDINAL FLOWER | 2 GT | | | |
| RG | 23 | RUDBECKIA FULGIDA "GOLDSTURM" | BLACK-EYED SUSAN | 2 GT | | | |
| SS | 19 | SOLIDAGO SEMPERVIRENS | SEASIDE GOLDENROD | 2 GT | | | |

| GROUND COVERS | QTY | BOTANICAL NAME | COMMON NAME | CONT | SIZE | SPACING | REMARKS |
|---|---|---|---|---|---|---|---|
| AS | 44 | ANDROPOGON VIRGINICUS GLAUCUS "SILVER BEAUTY" | BROOMSEDGE BLUESTEM | 2" PLUG | | 9" o.c. | |
| CJ | 15 | CAREX MORROWI | JAPANESE SEDGE | 2" PLUG | | 12" o.c. | |
| LB | 78 | LIRIOPE MUSCARI "BIG BLUE" | BIG BLUE LILYTURF | 2 GT | | 18" o.c. | |
| SL | 39 | SCHIZACHYRIUM SCOPARIUM | LITTLE BLUESTEM GRASS | 2" PLUG | | 12" o.c. | |
| VH | 5 | VERBENA HASTATA | BLUE VERVAIN | 2" PLUG | | 10" o.c. | |

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

1ST STREET LANDSCAPING AND GREEN INFRASTRUCTURE PLAN


BRIAN LEFF, P.P., L.L.A.
CONSULTING LANDSCAPE ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF NEW JERSEY LICENSE No. A690798


06/08/2015
DATE


PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. 0[illegible]


06/08/2015
DATE

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SHEET 7 OF 20


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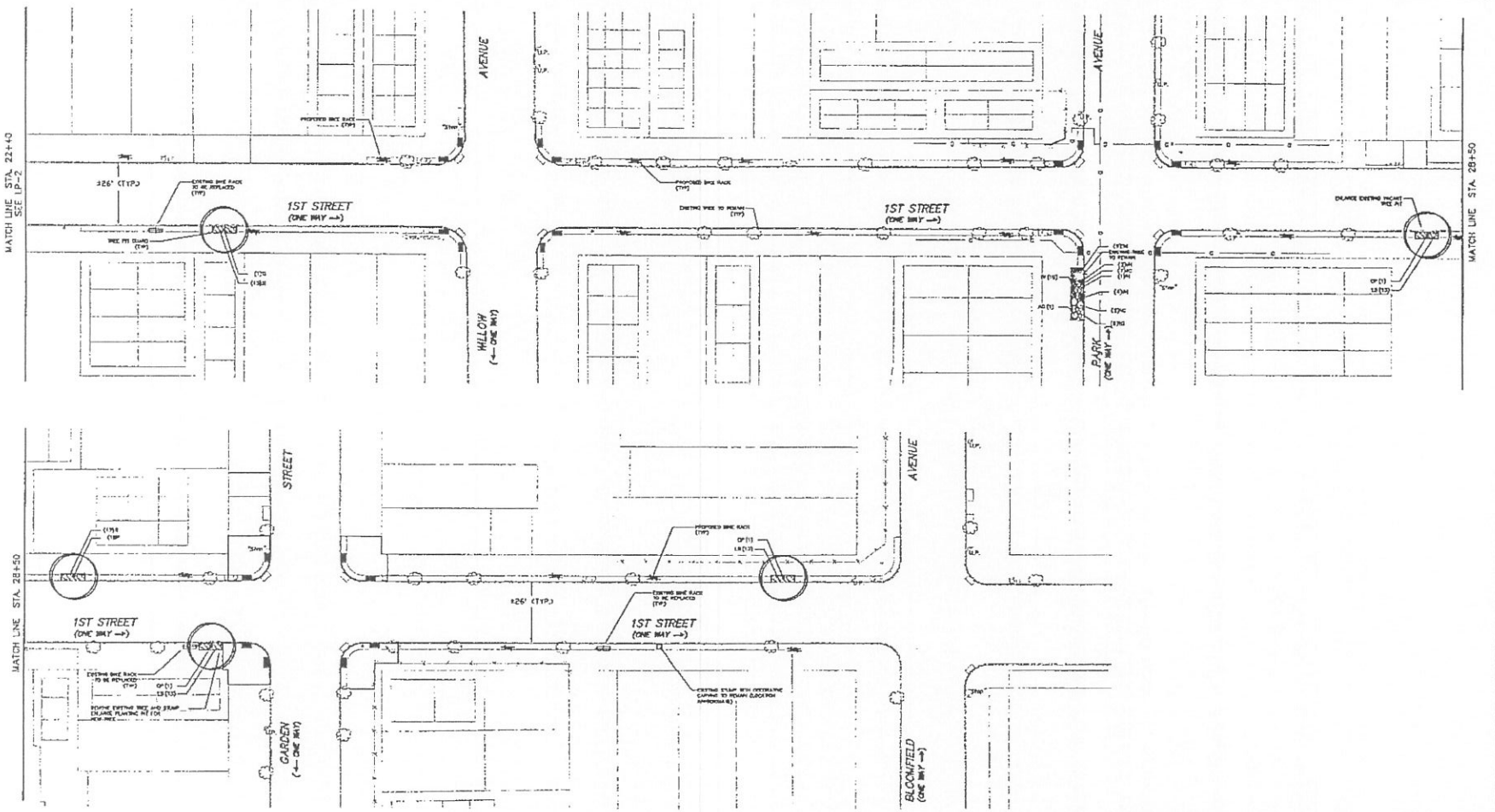


## PLANT SCHEDULE LP-3

| DECIDUOUS TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT. | CAL. | SIZE | REMARKS |
|---|---|---|---|---|---|---|---|
| QP | 4 | QUERCUS PHELLOS | WILLOW OAK | B & B | 2.5"CAL. | | |
| TC | 1 | TILIA CORDATA "GREENSPIRE" | GREENSPIRE LITTLELEAF LINDEN | B & B | 2.5"CAL. | | |
| ANNUALS/PERENNIALS | QTY | BOTANICAL NAME | COMMON NAME | CONT. | CAL. | SIZE | REMARKS |
| AG | 3 | ANDROPOGON GERARDII | BIG BLUE STEM | CONT. | | 1 GAL. | |
| CW | 9 | COREOPSIS X "MOONBEAM" | MOONBEAM COREOPSIS | 2 QT | | | |
| NF | 10 | PVS VIRGINICA | BLUE FLAG IRIS | 2 QT | | | |
| MC | 7 | MONARDA DIDYMA "CAMBRIDGE SCARLET" | CAMBRIDGE SCARLET BEE BALM | 2 QT | | | |
| RG | 6 | RUDBECKIA FULGIDA "GOLDSTURM" | BLACK-EYED SUSAN | 2 QT | | | |
| GRASSES/GRASS | QTY | BOTANICAL NAME | COMMON NAME | CONT. | SIZE | SPACING | REMARKS |
| LB | 65 | LIMOPE MUSCARI "BIG BLUE" | BIG BLUE LILYTURF | 2 QT | | 18" o.c. | |
| VH | 7 | VERBENA HASTATA | BLUE VERVAIN | 2" PLUG | | 10" o.c. | |

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

1ST STREET LANDSCAPING AND GREEN INFRASTRUCTURE PLAN

BRIAN LEFF, P.P., L.L.A.
CONSULTING LANDSCAPE ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF NEW JERSEY LICENSE No. A00079
08/06/2015
DATE

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MIDDLETOWN, NJ 07748
TEL 732 671 6408
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PETER F. BONDAR, P.E.
CONSULTING ENGINEER
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STATE OF NEW JERSEY LICENSE No. 0544469
08/06/2015
DATE

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SHEET 8 OF 29

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LANDSCAPE PLANTING NOTES AND SPECIFICATIONS:

1. ALL PLANT MATERIAL SHALL BE PROVIDED AND INSTALLED IN STRICT CONFORMANCE WITH USDA STANDARDS FOR NURSERY STOCK AND THE "AMERICAN NURSERY AND LANDSCAPE ASSOCIATION" STANDARDS LATEST EDITIONS.

2. THE CONTRACTOR SHALL VERIFY ALL UTILITIES WITHIN WORK AREA PRIOR TO COMMENCING WITH ANY EXCAVATIONS AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION.

3. THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS SHOWN ON THE DRAWINGS, AS SPECIFIED, AND IN QUANTITIES INDICATED ON THE PLANT LIST. IF A DISCREPANCY SHOULD ARISE BETWEEN THE AMOUNT OF PLANTS SHOWN ON THE PLAN VS. THE PLANT SCHEDULE, THE PLAN SHALL GOVERN.

4. ALL PLANTS SHALL BE NURSERY GROWN.

5. ALL PLANTS SHALL BE HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT.

6. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY AND VIGOROUS WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE AND INSECT PESTS, EGGS OR LARVAE. THEY SHALL HAVE HEALTHY WELL-DEVELOPED ROOT SYSTEMS.

7. SUBSTITUTIONS: WHEN PLANTS OF A SPECIFIED KIND OR SIZE ARE NOT AVAILABLE WITHIN A REASONABLE DISTANCE, SUBSTITUTIONS MAY BE MADE UPON REQUEST BY THE CONTRACTOR IF APPROVED BY THE LANDSCAPE ARCHITECT OR HIS/HER REPRESENTATIVE.

8. ALL AREAS TO BE SHOWN AS LAWN SHALL BE SEEDED, AS SPECIFIED, AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

9. TREE LOCATIONS MAY NEED TO BE ADJUSTED BASED ON LOCATIONS OF UTILITIES, FIELD CONDITIONS, OR FINAL GRADING. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR THEIR REPRESENTATIVE IF ADJUSTMENTS ARE NECESSARY.

10. ALL PLANTING BEDS TO RECEIVE 3" SHREDDED HARDWOOD MULCH.

11. ROOT BALLS OF ALL PLANTS SHALL BE ADEQUATELY PROTECTED AT ALL TIMES FROM SUN AND DRYING WINDS OR FROST.

12. PLANTS WITH BROKEN ROOT BALLS, TRUNK AND BARK DAMAGE OR EXCESSIVE DAMAGE TO THE CROWN SHALL BE REPLACED PRIOR TO PLANTING.

13. ROPES AT TOP OF BALL SHALL BE CUT. REMOVE TOP 1/3 OF BURLAP. ALL NON- BIODEGRADABLE MATERIAL SHALL BE TOTALLY REMOVED. WIRE BASKETS SHALL BE CAREFULLY REMOVED ENTIRELY AT THE TIME OF PLANTING, PREFERABLY AFTER THE ROOT BALL HAS BEEN INSTALLED IN THE PLANTING PIT.

14. PREPARATION OF PLANTING: CLEAN SOIL EXCAVATED FROM PLANTING PIT OF ROOTS, PLANTS, STONES LARGER THAN 2", CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.

15. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.

16. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR HIS/HER EQUAL.

17. INSTALL ALL PLANTS SO THAT THE TOP OF THE ROOTBALL IS SLIGHTLY ABOVE FINISHED GRADE. IN NO CASE SHALL THE PLANT BE INSTALLED WITH NO LESS THAN THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL ROOT CROWN. EXCESS SOIL MAY EXIST AROUND THE ROOT CROWN FROM NURSERY OPERATIONS. THIS EXCESS MATERIAL SHALL BE REMOVED PRIOR TO PLANTING TO DETERMINE THE PROPER BALL INSTALLATION DEPTH.

18. ALL EXISTING TREES THAT ARE TO BE SAVED AS DETERMINED BY LANDSCAPE ARCHITECT SHALL BE PROTECTED UNTIL CONSTRUCTION HAS BEEN COMPLETED. AREA WITHIN DRIPLINE SHALL NOT BE TRAVELED ACROSS BY CONSTRUCTION TRAFFIC.

19. TREES PLANTED ALONG STREETS SHALL HAVE A SINGLE STRAIGHT TRUNK THAT DOES NOT FORK BELOW 8'.

20. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL NON-BIODEGRADABLE ROOT WRAPPING MATERIAL SHALL BE REMOVED AT TIME OF PLANTING.

21. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS MINIMUM.

22. THE CONTRACTOR SHALL LAYOUT WITH IDENTIFIABLE STAKES INDIVIDUAL TREE AND SHRUB LOCATIONS AND AREAS FOR MULTIPLE PLANTING ALONG WITH THE ARRANGEMENTS AND OUTLINE OF PLANTING BEDS AS INDICATED ON DRAWING. THE LAYOUT OF PLANTING WILL THEN BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO ANY EXCAVATION OF PLANT PITS OR PLANT BEDS.

23. AT PLANTING TIME, ALL PLANT MATERIAL SHALL TRIMMED TO REMOVE BROKEN AND/OR DEAD VEGETATIVE MATERIAL.

24. ALL PLANTS SHALL BE INSTALLED AS PER THE PLANTING DETAILS AND THE CONTRACT SPECIFICATIONS, WHERE APPLICABLE.

25. ALL PLANTS SHALL BE INSTALLED PLUMB UNLESS OTHERWISE SPECIFIED.

26. ALL PLANTS SHALL BE THOROUGHLY WATERED TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN, IF NECESSARY, DURING THE FIRST GROWING SEASON.

27. CONDITIONS DETRIMENTAL TO PLANTS: THE CONTRACTOR SHALL NOTIFY THE PROJECT REPRESENTATIVE IN WRITING OF ALL SOIL OR DRAINAGE CONDITIONS WHICH THE CONTRACTOR CONSIDERS DETRIMENTAL TO THE GROWTH OF PLANTS. HE SHALL STATE THE CONDITIONS AND SUBMIT A PROPOSAL FOR CORRECTING THE CONDITIONS INCLUDING ANY CHANGE IN COST FOR REVIEW AND ACCEPTANCE BY THE PROJECT REPRESENTATIVE.

28. WARRANT TREES AND SHRUBS FOR A MINIMUM PERIOD OF ONE (1) YEAR AFTER DATE OF WRITTEN FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND/OR THE OWNERS AUTHORIZED REPRESENTATIVE AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MONITOR THE PROJECT PLANTINGS DURING THE WARRANTY PERIOD AND NOTIFY THE OWNER IF PROBLEMS DEVELOP. PLANTS THAT DIE DURING THE WARRANTY PERIOD SHALL BE REMOVED IMMEDIATELY AND REPLACED.

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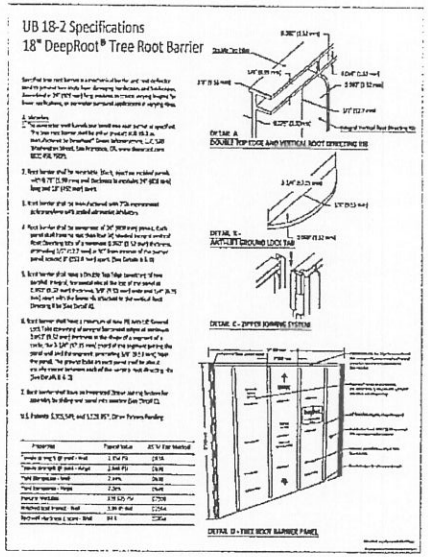
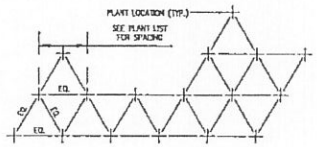


BIKE RACK DETAIL

NOT TO SCALE

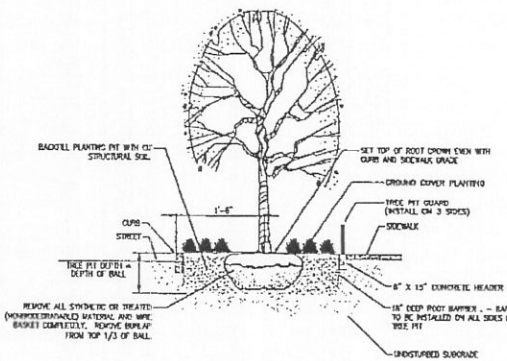
NOTES:

1. BIKE RACK SHALL CONTAIN A BLACK POWDER COAT FINISH
2. BIKE RACK SHALL BE SURFACE MOUNTED.



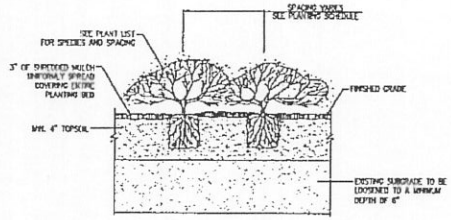

PLANT SPACING DIAGRAM

NOT TO SCALE




STREET TREE PLANTING

NOT TO SCALE




NOTES:

1. GROUND COVER MATERIAL SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUS GRADE IN THE NURSERY.

PLUG AND PERENNIAL PLANTING

NOT TO SCALE

| NO. | DATE | REVISIONS | BY | CHECKED |
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| | | | | |

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

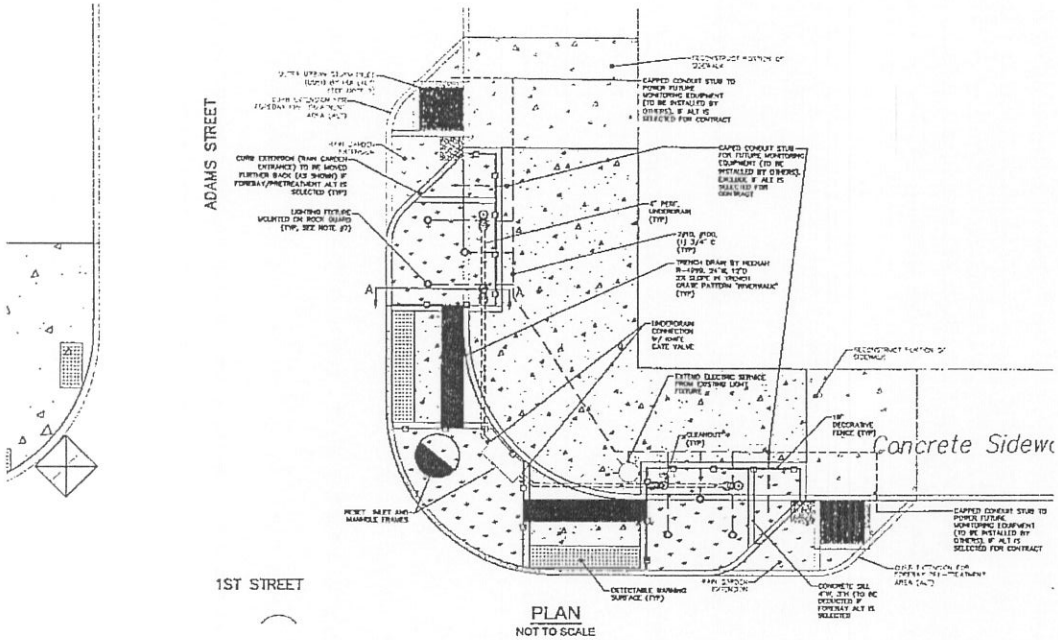
LANDSCAPE CONSTRUCTION DETAIL PLAN

BRIAN LEFF, P.P., L.L.A.
LICENSED LANDSCAPE ARCHITECT
STATE OF NEW JERSEY LICENSE NO. 433698
08/08/2015

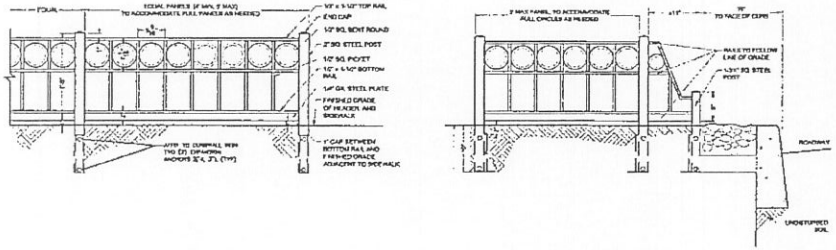
PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE48138
08/08/2015

DRAWING LP-4

SHEET 9 OF 20




PLAN
NOT TO SCALE



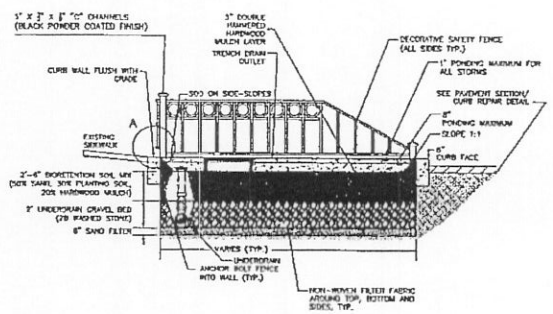
FRONT ELEVATION

SIDE ELEVATION

NOTES

1. FIELD MEASUREMENTS MUST BE TAKEN PRIOR TO FABRICATION.
2. ALL STEEL SHALL CONFORM TO SPECIFICATION CH513 OF THE A.I.S.I.
3. ALL JOINTS TO BE WELDED UNLESS NOTED OTHERWISE.
4. ALL STEEL TO BE PAINTED WITH ONE (1) SHOP COAT OF PRIMER AND ONE (1) SHOP COAT OF INTERMEDIATE AND ONE (1) SHOP COAT (OR ROLLED FIELD COAT) OF FINISH TOP COAT IN COMPLIANCE WITH THE REQUIREMENTS OF SUBSECTION 513.04 OF THE NYC DOT STANDARD HIGHWAY SPECIFICATIONS. THE COLOR OF TOP COAT SHALL BE BLACK.
5. RAILS TO FOLLOW LINE OF GRADE.
6. ALL STEEL TO BE SOLID STEEL.

DECORATIVE FENCE DETAIL
NOT TO SCALE




PROFILE

NOTE:
BIORETENTION SOIL MIX MUST BE FREE OF HIGH LEVELS OF CLAYS. SEE GUIDANCE BY EPA ON BSM MIXTURE. http://www.stormwatercenter.net/Assorted%20Fact%20Sheets/Bioretention%20Soil%20Mixture.htm

## RAIN GARDEN/ BIORETENTION CELL DETAIL

NOT TO SCALE

NOTES:

1. ALL DRAINAGE AREAS TO A BIORETENTION FACILITY ARE TO BE STABILIZED PRIOR TO INSTALLATION OF AMENDED SOILS, MULCH OR PLANTINGS.
2. AMENDED SOIL WILL ONLY BE PERMITTED WITH A VALID SOIL ANALYSIS REPORT. NO AMENDED SOIL SHALL BE ALLOWED ON THE SIDE SLOPES.
3. INSTALL WIRE SCREENING AROUND ALL OUTLET OPENINGS TO PREVENT LOSS OF MULCH.
4. PVC UNDERDRAIN PIPE SHOULD HAVE 3/8" PERFORATIONS SPACED AT 6" CENTERS, MIN. 4 HOLES PER ROW. MAX SPACING OF UNDERDRAIN PIPE IS 10 FEET ON CENTER. PIPE SHALL ADHERE TO AASHTO M252 SPECS
5. UNDERDRAIN CLEANOUTS SHOULD EXTEND A MIN. OF 6" ABOVE TOP SURFACE OF MULCH LAYER. CLEANOUTS MAY BE FLUSH WITH TOP OF SURFACE TO ALLOW DRAWDOWN.
6. ONLY SMALL MATURING TREES ARE ALLOWED TO BE PLANTED IN THE AMENDED SOILS.
7. PROPOSED LIGHTING, AS SHOWN HEREIN, SHALL BE PHILIPS/HADCO, 17W, LED NARROW FLOOD OPTIC (T25-SS-NF-WL40).
8. CONTRACTOR IS TO CONFIRM THROUGH APPROVED SHOP DRAWING, THAT TRENCH DRAIN GRATE MEETS "HEELSAFE" STANDARDS (ASME A112.6.3, SECTION 7.12).
9. USE STORMWATER PRETREATMENT BY HYDRO-DYNAMIC INC. (717) 392-1480

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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

RAIN GARDEN DETAILS & LANDSCAPING PLAN


11 THOMAS ROAD
BASKING RIDGE, NJ 07920
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PETER F. BONDAR, P.E.
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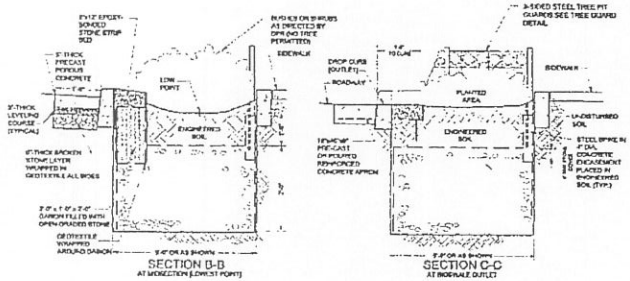
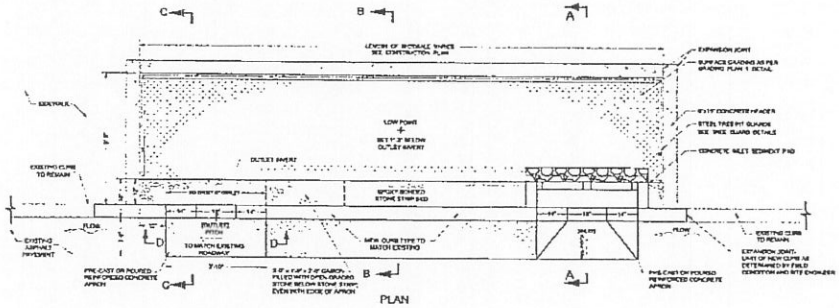
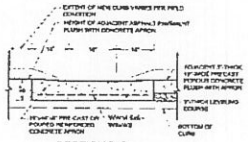
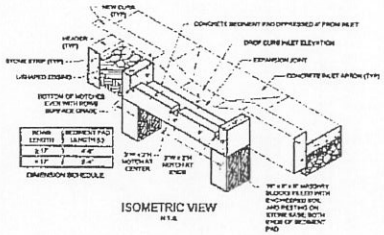
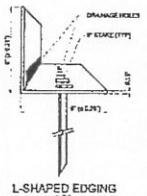
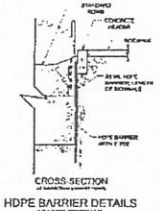


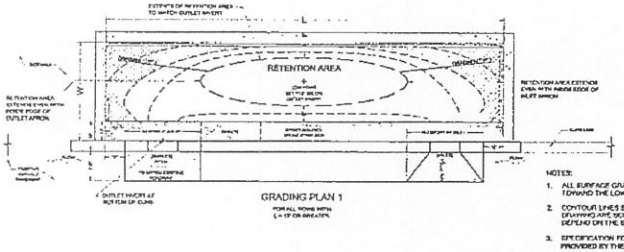



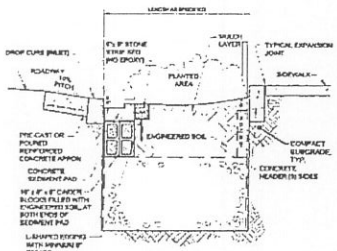



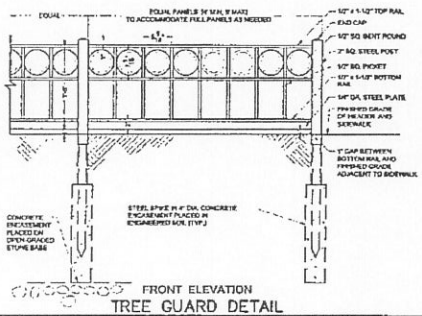



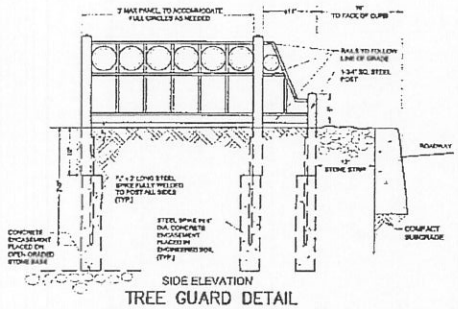




NOTES:

1. ALL SURFACE GRADING TO TAPER TOWARD THE LOW POINT.
2. CONTOUR LINES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY AND DEPEND ON THE STREET GRADE.
3. SPECIFICATION FOR ENGINEERED SOIL TO BE PROVIDED BY THE ENGINEER.

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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

BIOSWALE CONSTRUCTION DETAILS


61 TWO MILL ROAD
MIDDLETOWN, NJ 07748
TEL 732.671.6400
FAX 732.671.7366

PETER F. BONDAR, P.E.
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DATE 05/01/2015

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WAYFINDING SIGNAGE LOCATIONS

N.T.S.

| SIGN SCHEDULE | | |
|---|---|---|
| SIGN TYPE | QUANTITY | ITEM |
| A | 2 | GATEWAY SIGN, ILLUMINATED |
| B | 4 | GATEWAY SIGN, FREESTANDING USING EXISTING POST |
| B-2 | 1 | GATEWAY SIGN, FREESTANDING USING NEW POST |
| C | 7 | KIOSK, DOUBLE POST |
| D | 5 | DIRECTIONAL BLADE SET |
| E | 12 | PARKING BLADES |
| F | 3 | GREEN INFRASTRUCTURE SIGNS |

NOTES:

1. SIGNAGE DETAILS ARE INCLUDED IN THE SUPPLEMENTAL SPECIFICATIONS.
2. A CITYWIDE WAYFINDING SIGNAGE REPORT DEPICTING THE EXACT SIGN LOCATIONS IS ALSO INCLUDED IN THE SUPPLEMENTAL SPECIFICATIONS.
3. THE CONTRACTOR SHALL COORDINATE WITH ENGINEER AND MARK ALL PROPOSED SIGN LOCATIONS PRIOR TO INSTALLING.

| NO. | DATE | REVISIONS | BY | CHECKED |
|---|---|---|---|---|

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

WAYFINDING SIGNAGE PLAN

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STATE OF NEW JERSEY LICENSE No. GE46108

DR/06/2015

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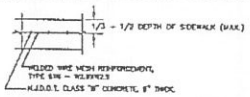
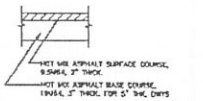
SHEET 12 OF 20

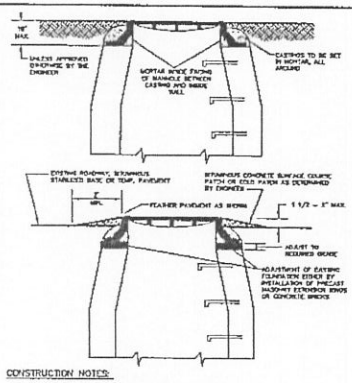



CONCRETE DRIVEWAY, REINFORCED, 6" THICK
NOT TO SCALE




HOT MIX ASPHALT DRIVEWAY
NOT TO SCALE

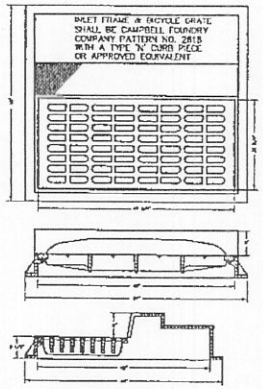
DECORATIVE STONE DRIVEWAY
NOT TO SCALE



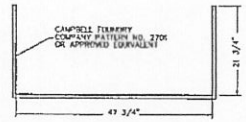

CONSTRUCTION NOTES:

1. PAVEMENT TO BE TRIMMED AND FEATHERED TO THE SATISFACTION OF THE ENGINEER.
2. A TACK COAT SHALL BE PROVIDED AT THE DIRECTION OF THE ENGINEER.

RESET EXISTING CASTING
NOT TO SCALE




TYPE "B" INLET FRAME & BICYCLE SAFE GRATE
NOT TO SCALE




EXTENSION FRAME
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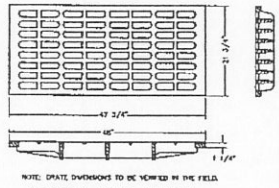
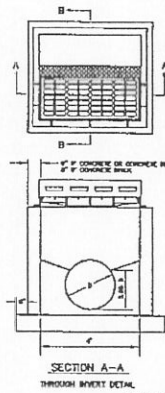



NOTE: GRATE DIMENSIONS TO BE VERIFIED IN THE FIELD.

BICYCLE SAFE GRATE
NOT TO SCALE




TYPE "B" INLET
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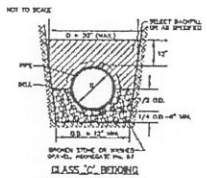
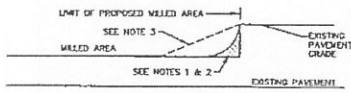


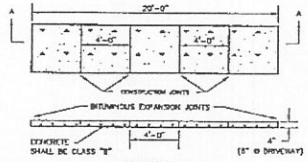

CLASS 'C' BEDDING
PIPE BEDDING
NOT TO SCALE




GENERAL CONSTRUCTION NOTES:

1. BITUMINOUS MATERIAL LEFT BY THE MILLING DRUM RADIUS AT THE LIMITS OF PROPOSED MILLED AREAS SHALL BE REMOVED. SAWING OR TRANSVERSE MILLING SHALL BE USED TO ENSURE THAT THE EXPOSED FACE IS CLEAN AND VERTICAL. THIS END TREATMENT IS REQUIRED IN ALL INSTANCES IN WHICH THE PROPOSED MILLED AREA IS TO MATCH EXISTING PAVEMENT GRADES.
2. THIS END TREATMENT IS NOT REQUIRED AT TEMPORARY LIMITS OF MILLING (i.e. END OF WORKDAY).
3. IF PAVING DOES NOT OCCUR IMMEDIATELY UPON THE COMPLETION OF MILLING, THE EDGE MUST BE TEMPORARILY RAMPED WITH HOT MIXED ASPHALT.

END TREATMENT FOR MILLNG OPERATIONS
NOT TO SCALE

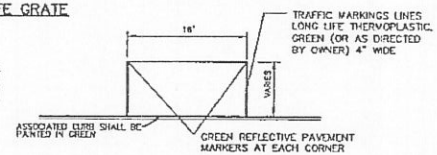



SECTION A-A

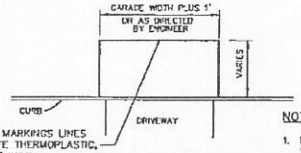
CONSTRUCTION NOTES:

1. A PREFORMED, BITUMINOUS EXPANSION JOINT 1/2" THICK, 4" WIDE, AND EXTENDING THE FULL WIDTH OF THE WALK, GUTTER/CURB, SHALL BE INSTALLED EVERY TWENTY (20) FEET.
2. CONSTRUCTION JOINTS SHALL BE INSTALLED EVERY FOUR (4) FEET THE FULL WALK WIDTH.
3. THERE SHALL BE A FLOAT FINISH WITH THE EDGES FINISHED WITH A SUITABLE TOOL.

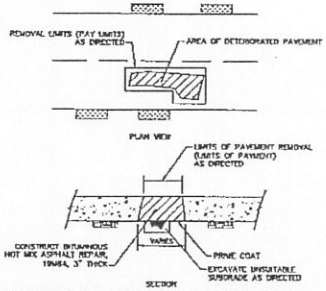
SIDEWALK JOINT DETAIL
NOT TO SCALE




DETAIL OF CORNER CAR SPACES
NOT TO SCALE



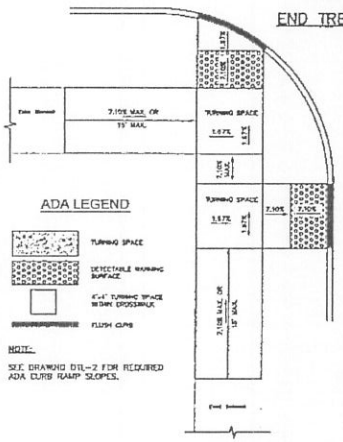

DETAIL OF PAVEMENT MARKING AT DRIVEWAYS
NOT TO SCALE



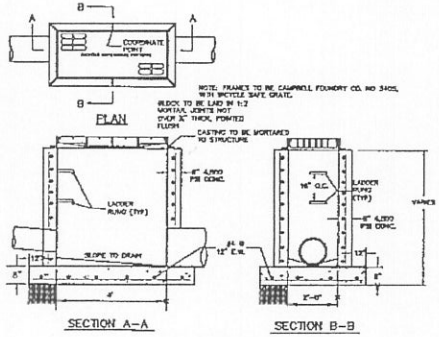

HOT MIX ASPHALT BASE REPAIR DETAIL
NOT TO SCALE

NOTES:

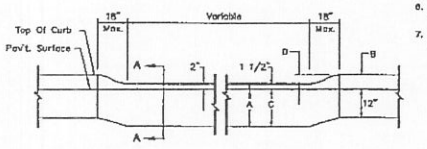
1. REPAIR AREAS SHALL BE FILLED AND COMPACTED SUCH THAT THE FINISHED REPAIR SURFACE IS 1/8" TO 1/4" HIGHER THAN SURROUNDING PAVEMENT SURFACES.
2. ADEQUATE MEASURES SHALL BE PROVIDED TO MAINTAIN ASPHALT MATERIALS AT TEMPERATURES AS REQUIRED IN SECTION 404 OF THE TECHNICAL SPECIFICATIONS MANUAL.
3. ALL LOOSE DEBRIS SHALL BE REMOVED FROM EXCAVATED AREAS PRIOR TO APPLICATION OF THE TACK COAT.
4. EDGES SHALL BE SMOOTH AND VERTICAL OR SLOPED SLIGHTLY INWARD TOWARD THE FINISHED SURFACE.
5. LIMITS OF REPAIR SHALL BE SAWCUT OR MILLED IN A RECTILINEAR FASHION.
6. UNSUITABLE SUBGRADE MATERIAL SHALL BE EXCAVATED AND REPLACED WITH DENSE GRADED AGGREGATE, AS DIRECTED BY THE DESIGNATED MUNICIPAL REPRESENTATIVE AT THE TIME OF CONSTRUCTION.
7. NO SEPARATE PAYMENT WILL BE MADE FOR HOT MIX ASPHALT REPAIR, THE COST IS INCLUDED IN THE HOT MIX ASPHALT ITEMS



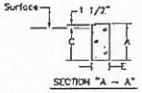

ADA SLOPE DETAILS
NOT TO SCALE




TYPE A INLET
NOT TO SCALE




| CURB SIZE | DIM. A | DIM. B | DIM. C | DIM. D | DIM. E |
|---|---|---|---|---|---|
| 9"X 18" | 18" | 6" | 16" | 4 1/2" | 9" |
| 8"X 20" | 20" | 8" | 18" | 6 1/2" | 8" |




SECTION "A - A"

METHOD OF DEPRESSING CURB AT DRIVEWAYS
NOT TO SCALE

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

CONSTRUCTION DETAILS


TRI-STATE MUNICIPAL ENGINEERING, LLC
112 KINDLE ROAD
WESTFIELD (TWP.), NJ 07090
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PETER F. BONDAR, P.E.
CONSULTING ENGINEER
08/06/2015
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE40908

| PROJECT | DESIGNED BY | DRAWING |
|---|---|---|
| HOBK-0260 | CHECKED BY PBB | DTL-1 |
| DATE | FILE NAME | SHEET |
| | HOBOKDTL-DTL.dwg | 13 OF 20 |


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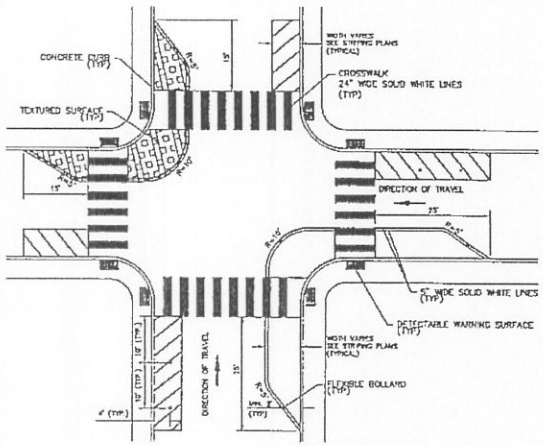
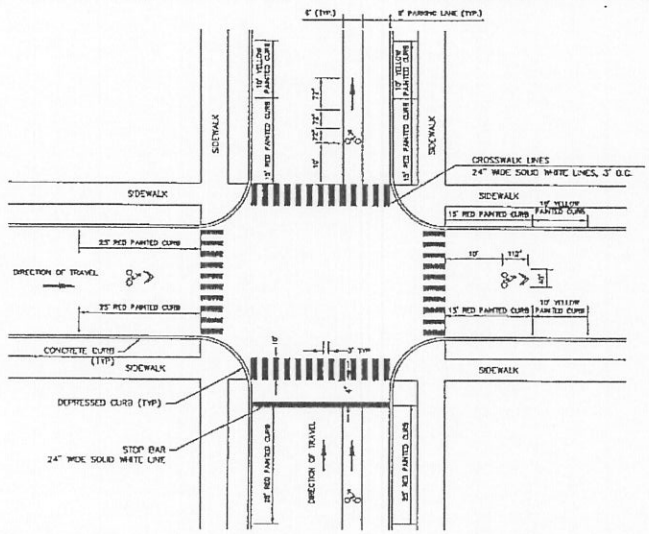
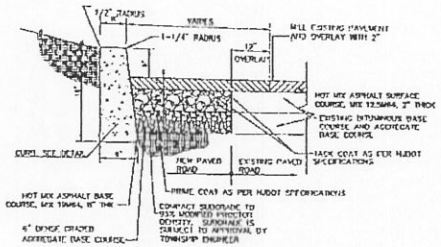



TEXTURED SURFACE DETAILS

NOT TO SCALE




COUNTY ROAD REPAIR PAVEMENT DETAIL

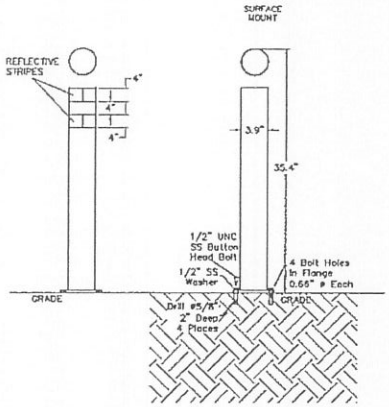
NOT TO SCALE

NOTES:

1. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. EXISTING STRIPING NOT CONFORMING TO THIS PLAN SHALL BE REMOVED BY THE GRINDING METHOD (WHERE DIRECTED BY THE MUNICIPAL ENGINEER).
3. CONFLICTING SIGNS, TREES & OTHER OBSTRUCTIONS SHALL BE REMOVED (WHERE DIRECTED BY THE MUNICIPAL ENGINEER).
4. ALL STRIPING SHALL BE LONG-LIFE THERMOPLASTIC.
5. STRIPING SHALL EXTEND BEYOND THE LIMITS OF PAVING, IF REQUIRED.
6. NO PARKING STRIPING ADJACENT TO FIRE HYDRANTS SHALL BE STRIPED WITH YELLOW 4" WIDE LONG-LIFE THERMOPLASTIC AND ASSOCIATED CURB SHALL BE PAINTED IN KIND.
7. HANDICAP PARKING SPACES SHALL BE STRIPED WITH BLUE 4" WIDE EPOXY PAINT AND ASSOCIATED SYMBOL MARKING.
8. CURB SHALL NOT BE PAINTED ALONG BUMPOUTS.
9. ALL INTERSECTIONS ADJACENT TO A SCHOOL SHALL RECEIVE LADDER STYLE CROSSWALK STRIPING.

TYPICAL INTERSECTION STRIPING AND CURB PAINTING DETAIL

NOT TO SCALE

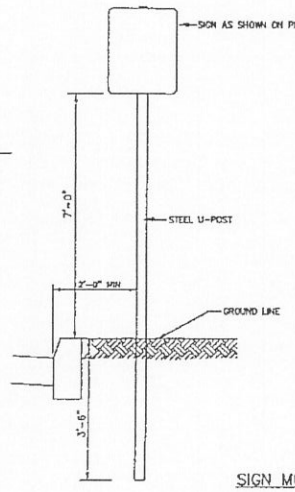


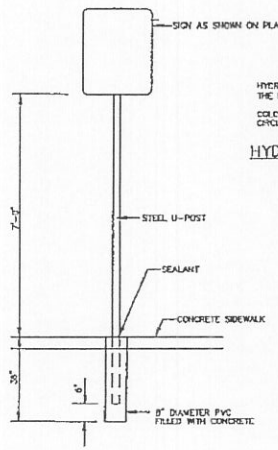

FLEXIBLE REFLECTIVE BOLLARD

NOT TO SCALE

NOTES:

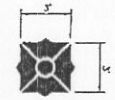
1. ALL BOLLARDS SHALL BE MODEL: LANDMARK/BOULE D105 AND MANUFACTURED BY X-LAST. ALL ASSOCIATED BASES SHALL BE COMPATIBLE WITH SAID BOLLARD MODEL AND MANUFACTURED BY SAME OR APPROVED EQUAL.
1. BOLLARD AND REFLECTIVE TAPE SHALL BE IN COLOR WHITE. ALL INSTALLING AND ASSOCIATED ITEMS SHALL BE APPROVED BY THE OWNER PRIOR TO ORDERING.
2. ALL BOLLARDS SHALL BE INSTALLED CONCURRENTLY WITH TEXTURED SURFACE.
3. ALL BOLLARDS SHALL BE INSTALLED AT A MINIMUM PERPENDICULAR DISTANCE OF 2 FEET AWAY FROM CURB.




SIGN MOUNTING DETAIL

NOT TO SCALE




HYDRANT PAVEMENT MARKING TO BE PAID FOR UNDER THE BID ITEM "TRAFFIC MARKINGS, THERMOPLASTIC".

COLOR TO BE WHITE WITH BLUE REFLECTIVE CENTER CIRCLE OR AS DIRECTED BY THE OWNER.

HYDRANT PAVEMENT MARKING

NOT TO SCALE

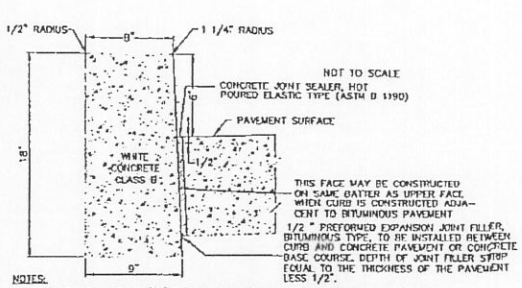
R3-17 24"X30"

R3-17B 12"X30"

R1-1 30" x 30" (5.5 S.F.)

R1-6A 12"X36"

NOTE: ALL SIGNS SHALL CONFORM TO THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".




NOTES:

1. TRANSVERSE JOINTS 1/2 " WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER RECESSED 1/4 " IN FROM FRONT FACE AND TOP OF CURB.
2. EXPANSION JOINTS THRU AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.

COUNTY VERTICAL CURB

NOT TO SCALE

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

CONSTRUCTION DETAILS


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STATE OF NEW JERSEY LICENSE No. 24GE04
09/08/2015


DRAWING DTL-2

SHEET 14 OF 20


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PERSPECTIVE PLAN
(TANGENT – SIMILAR ON RADIUS)

TYPICAL SECTION

DETAIL PAR-1
PERPENDICULAR PUBLIC SIDEWALK CURB RAMP
NOT TO SCALE

DETAIL PAR-1A
ALTERNATIVE CURB TRANSITION
WHERE SHOWN OR DIRECTED
NOT TO SCALE

PERSPECTIVE PLAN
(TANGENT – SIMILAR ON RADIUS)

TYPICAL SECTION

DETAIL PAR-2
COMBINATION (PERPENDICULAR AND PARALLEL) PUBLIC SIDEWALK CURB RAMP
(APPLIES TO RAMPS WHERE DETAILS PAR-1 AND PAR-3 DO NOT APPLY)
NOT TO SCALE

NOTES:
A. TYPICAL MINIMUM RAMP LENGTH USING DESIGN (NOMINAL) OR MAXIMUM Sa FOR CURB HEIGHT (X) OF 6" OR LESS (SHOWN WITH DOTTED LINE). HOWEVER, FOR EASE OF CONSTRUCTION AND IMPROVED APPEARANCE DESIGN SLOPE AT EXPANSION JOINT OPPOSITE BEGINNING OF CURB TRANSITION UNLESS OTHERWISE DIRECTED BY ENGINEER. SLOPE WILL USUALLY BE MUCH LESS THAN 1:12. CONSULT ENGINEER WHEN IT IS NOT.

B. MAXIMUM SLOPE OF A SIDE FLARE WHERE PEDESTRIAN CIRCULATION IS POSSIBLE IS 10:1 MEASURED ALONG THE CURB LINE; NOT RELATIVE TO A LEVEL LINE.

DETAIL PAR-2A
ALTERNATIVE CURB TRANSITION
WHERE SHOWN OR DIRECTED
NOT TO SCALE

PERSPECTIVE PLAN
(TANGENT – SIMILAR ON RADIUS)

TYPICAL SECTION

DETAIL PAR-3
PARALLEL PUBLIC SIDEWALK CURB RAMP
(NO TURF SEPARATION STRIP)
NOT TO SCALE

(USED WITH CONCRETE VERTICAL CURB)

(USED WITH CONCRETE COMBINATION CURB AND GUTTER)

DETAIL PAR-4
MONOLITHIC SIDEWALK CURB RAMP CRADLE

DETAIL – DETECTABLE WARNING
(SEE GENERAL NOTE 11)
NOT TO SCALE

DETECTABLE WARNING SURFACE

RAMP SELECTION TABLE

SIDEWALK DESIGN SLOPE AND TOLERANCES TABLE

| SYMBOL | DESCRIPTION | SLOPES (NOTE 1) DESIGN (NOMINAL) | MINIMUM | MAXIMUM |
|---|---|---|---|---|
| $S_x$ | CROSS SLOPE OF PUBLIC SIDEWALK OR CROSS SLOPE OF CURB RAMP | 1:80<br>1.67%<br>3/4" PER 4'<br>3/16" PER 1'<br>(NOTE 3) | 1:72<br>1.4%<br>5/8" PER 4'<br><3/16" PER 1'<br>(NOTE 3) | 1:50<br>2%<br>(NOTE 3) |
| $S_{cr}$ | LONGITUDINAL (RUNNING) SLOPE OF PUBLIC SIDEWALK CURB RAMP | 1:14<br>7.1%<br>3 1/2" PER 4'<br>(APPROX 7/8" PER 1') | 1:50<br>2% | 1:12.05<br>8.3%<br>(NOTE 2) |
| $S_x$ | LONGITUDINAL (RUNNING) SLOPE OF PARALLEL SIDEWALK CURB RAMP | 1:14<br>7.1%<br>3 1/2" PER 4'<br>(APPROX 7/8" PER 1') | 1:50<br>2% | 1:12.05<br>8.3%<br>(NOTE 2) |

NOTES:
1. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, CONSTRUCTION WHICH DOES NOT CONFORM TO THE TOLERANCES SPECIFIED (i.e. WHICH EXCEEDS THE MAXIMUM OR IS LESS THAN THE MINIMUM) WILL BE REMOVED AND REPLACED WITHOUT COST TO THE OWNER.
2. THE MAXIMUM LENGTH FOR A PARALLEL PUBLIC SIDEWALK CURB RAMP SHALL BE 15 FEET. MAXIMUM LONGITUDINAL (RUNNING) SLOPE LIMITS ($S_{cr}$) DO NOT APPLY IF LENGTH IS 15 FEET OR GREATER.
3. CROSS SLOPE OF CURB RAMP ($S_x$) TO MATCH ROADWAY PROFILE SLOPES ($S_p$) OF 1:50 (2%) OR LESS. IF $S_p$ EXCEEDS 1:50 (2%), A TRANSITION MUST BE PROVIDED AT CURB RAMPS TO MAINTAIN $S_x$ EQUAL TO OR LESS THAN 1:50 (2%). EXCEPTION: THIS DOES NOT APPLY AT MID-BLOCK CROSSINGS WHERE $S_x$ AT CURB RAMPS MAY MATCH $S_p$, EVEN IF GREATER THAN 1:50 (2%).

ADJUSTMENT FOR LONGITUDINAL PROFILE TABLE

MINIMUM LENGTH OF 14H : 1V CURB TRANSITION (FEET/INCHES) — CURB HEIGHT (FACE) (INCHES)

| LONGITUDINAL PROFILE ($S_p$)(%) | 3" HIGH SIDE ($L_H$) | 3" LOW SIDE ($L_L$) | 4" HIGH SIDE ($L_H$) | 4" LOW SIDE ($L_L$) | 5" HIGH SIDE ($L_H$) | 5" LOW SIDE ($L_L$) | 6" HIGH SIDE ($L_H$) | 6" LOW SIDE ($L_L$) | 7" HIGH SIDE ($L_H$) | 7" LOW SIDE ($L_L$) | 8" HIGH SIDE ($L_H$) | 8" LOW SIDE ($L_L$) | 9" HIGH SIDE ($L_H$) | 9" LOW SIDE ($L_L$) | 10" HIGH SIDE ($L_H$) | 10" LOW SIDE ($L_L$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEE NOTE 2 | 3'6" | 3'6" | 4'9" | 4'9" | 5'10" | 5'10" | 7'0" | 7'0" | 8'2" | 8'2" | 9'3" | 9'3" | 10'6" | 10'6" | 11'8" | 11'8" |
| 0.2 | 3'7" | 3'5" | 4'10" | 4'8½" | 6'0" | 5'8" | 7'2" | 6'10" | 8'4" | 7'11" | 9'7" | 9'1" | 10'10" | 10'2½" | 12'0" | 11'4" |
| 0.3 | 3'8" | 3'4" | 4'10½" | 4'8" | 6'1" | 5'7" | 7'4" | 6'8½" | 8'6" | 7'10" | 9'9" | 8'11" | 10'11" | 10'1" | 12'2" | 11'2" |
| 0.4 | 3'8½" | 3'3½" | 4'11" | 4'5" | 6'2" | 5'6" | 7'5" | 6'7½" | 8'8" | 7'8" | 9'11" | 8'10" | 11'2" | 9'11" | 12'4" | 11'0" |
| 0.5 | 3'9" | 3'3" | 5'0" | 4'4" | 6'3" | 5'5" | 7'6" | 6'6½" | 8'9" | 7'7½" | 10'0" | 8'9" | 11'3" | 9'10" | 12'6" | 10'11" |
| 0.75 | 3'11" | 3'2½" | 5'2½" | 4'3" | 6'6" | 5'4" | 7'10" | 6'5" | 9'1½" | 7'6" | 10'5" | 8'6½" | 11'8" | 9'7½" | 13'0" | 10'8" |
| 1.00 | 4'1" | 3'1" | 5'5" | 4'1" | 6'8½" | 5'1½" | 8'2" | 6'1½" | 9'6" | 7'2" | 10'10" | 8'2" | 12'2" | 9'2" | 13'7" | 10'2" |
| 1.50 | 4'5" | 2'11" | 5'11" | 3'10" | 7'4" | 4'10" | 8'10" | 5'9½" | 10'4" | 6'9" | 11'10" | 7'8½" | 13'4" | 8'8" | 14'9" | 9'7" |
| 2.00 | 4'10" | 2'9" | 6'6" | 3'7½" | 8'1" | 4'7" | 9'8½" | 5'5½" | 11'4" | 6'4½" | 12'11" | 7'3½" | 14'7" | 8'2" | 15'* | 9'1½" |
| 2.50 (NOTE 3) | 5'4½" | 2'7" | 7'2" | 3'5½" | 9'0" | 4'4" | 10'9" | 5'2" | 12'6" | 6'0½" | 14'4" | 6'11" | 15'* | 7'9" | | 8'7½" |
| 3.00 " | 6'0" | 2'5½" | 8'0" | 3'3½" | 10'0" | 4'1½" | 12'0" | 4'11" | 14'1" | 5'9" | 15'* | 6'7" | | 7'4½" | | 8'3" |
| 3.50 " | 6'10" | 2'4" | 9'2" | 3'1½" | 11'5" | 3'11" | 13'8" | 4'8" | 15'* | 5'8" | | 6'3" | | 7'0½" | | 7'10" |
| 4.00 " | 7'11" | 2'3" | 10'7" | 3'0" | 13'3" | 3'9" | 15'* | 4'6" | | 5'5" | | 6'0" | | 6'9" | | 7'6" |
| 4.50 " | 9'5" | 2'2" | 12'7" | 2'10½" | 15'* | 3'7" | | 4'3½" | | 5'0" | | 5'8½" | | 6'5" | | 7'2" |
| 5.00 " | 11'7" | 2'0½" | 15'* | 2'9" | | 3'5" | | 4'1½" | | 4'10" | | 5'6" | | 6'2" | | 6'10" |
| 5.50 " | 15'* | 1'11½" | | 2'7½" | | 2'7½" | | 3'11½" | | 4'7½" | | 5'3" | | 5'11" | | 6'7" |

*MAXIMUM RAMP LENGTH IS 15'. SEE NOTE 2, SIDEWALK DESIGN SLOPE AND TOLERANCES TABLE.

NOTES:
1. INTERPOLATE BETWEEN SLOPES SHOWN AS REQUIRED.
2. NO ADJUSTMENT FOR PROFILE SLOPES LESS THAN 0.2%.
3. CROSS SLOPE OF PUBLIC SIDEWALK CURB RAMP AT GUTTER SHOULD NOT BE GREATER THAN 2% (1:50) OR AS DIRECTED BY ENGINEER.
4. CONSULT ENGINEER FOR PROFILE SLOPES GREATER THAN 5.5%.

## GENERAL NOTES:

1. CONCRETE FOR CURBS, SIDEWALKS, CURB RAMPS AND MONOLITHIC CURB RAMP CRADLES SHALL BE NJDOT CLASS B.
2. CURB AND MONOLITHIC CURB RAMP CRADLES SHALL BE POURED IN A SEPARATE OPERATION FROM SIDEWALKS AND CURB RAMPS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
3. EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER CONFORMING TO AASHTO M33, PREFORMED EXPANSION JOINT FILLER FOR CONCRETE (BITUMINOUS TYPE), SHALL BE PROVIDED AS FOLLOWS:
   - 3.1 1/2" THICK AT LONGITUDINAL INTERVALS OF APPROXIMATELY TWENTY FEET (20') AND BETWEEN ALL SIDEWALK CURB RAMPS AND MONOLITHIC CURB RAMP CRADLES.
   - 3.2 1/4" THICK BETWEEN CURB AND SIDEWALK, AROUND ALL STRUCTURES OR APPURTENANCES, SUCH AS MANHOLES, JUNCTION BOXES AND UTILITY POLES, AND ADJACENT TO ANY FIXED STRUCTURE.
4. EXPANSION JOINT MATERIAL SHALL BE TRIMMED AS TO BE SLIGHTLY BELOW THE SURFACE OF THE CONCRETE.
5. JOINT SEALER WHERE SHOWN OR REQUIRED SHALL CONFORM TO NJDOT SPECIFICATION 914. HOT-POURED JOINT SEALER SHALL CONFORM TO ASTM D 6690. COLD-APPLIED JOINT SEALER SHALL CONFORM TO ASTM D 5893, TYPE SL OR TYPE NS.
6. TOOLED JOINTS SHALL BE PROVIDED WITH A GROOVING TOOL SO AS TO DIVIDE THE CONCRETE SURFACE INTO BLOCKS AS CLOSELY APPROACHING A SQUARE AS PRACTICABLE. GROOVES SHALL BE CUT TO A DEPTH OF AT LEAST 1/2 INCH AND SHALL BE FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/4 INCH.
7. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, EXPANSION AND TOOLED JOINTS IN CONCRETE SURFACES SHALL BE ALIGNED WITH JOINTS IN CURBS.
8. WELDED WIRE FABRIC SHALL BE 6X6–6X6 (OLD DESIGNATION). 6X6–W2.9XW2.9 (NEW DESIGNATION) IN ACCORDANCE WITH ASTM A-185.
9. PUBLIC SIDEWALK CURB RAMPS, TURNING SPACES, BLENDED TRANSITIONS AND CLEAR SPACES WITHIN THE PEDESTRIAN ACCESS ROUTE SHALL NOT CONTAIN GRATINGS, COVERS, UTILITY BOXES OR SIMILAR OBSTRUCTIONS. OUTSIDE OF THE ABOVE AREAS, GRATINGS IN PUBLIC SIDEWALKS MAY HAVE OPENINGS NO GREATER THAN 1/2 INCH WIDE MEASURED PARALLEL TO DIRECTION OF TRAVEL.
10. ALL PUBLIC SIDEWALK CURB RAMPS SHALL BE PROVIDED WITH A SLIP-RESISTANT BROOM FINISH ORIENTED PERPENDICULAR TO THE TRAVEL DIRECTION.
11. DETECTABLE WARNING SURFACES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 606 OF THE SPECIFICATIONS AND THE SPECIAL PROVISIONS WHICH INCLUDE A LIST OF ACCEPTABLE SYSTEMS. UNLESS A SPECIFIC DETECTABLE WARNING SYSTEM IS REQUIRED BY THE SPECIAL PROVISIONS, THE CONTRACTOR MAY SELECT THE SYSTEM TO BE USED. ONLY ONE SYSTEM MAY BE USED ON ANY PROJECT. THE COLOR OF THE DETECTABLE WARNING SYSTEM SHALL BE AS REQUIRED BY THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
12. IF NO CURB IS PROVIDED, THE EDGE OF THE DETECTABLE WARNING SURFACE SHALL BE AT LEAST 6" BUT NOT MORE THAN 8" FROM THE EDGE OF THE RAMP. THIS SHALL APPLY TO THE CORNERS OF THE DETECTABLE WARNING FOR RAMPS ON A RADIUS.
13. DETECTABLE WARNING SIZE, GEOMETRY AND SPACING TO CONFORM TO SECTION 705 OF DEPARTMENT OF JUSTICE STANDARDS FOR ACCESSIBLE DESIGN (2010) OR SECTION R305 OF ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY.

| NO. | DATE | REVISIONS | BY | CHECKED |
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CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

CONSTRUCTION DETAILS

PETER F. BONDAR, P.E.
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LICENSED PROFESSIONAL ENGINEER STATE OF NEW JERSEY

08/06/2015

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SHEET 15 OF 20

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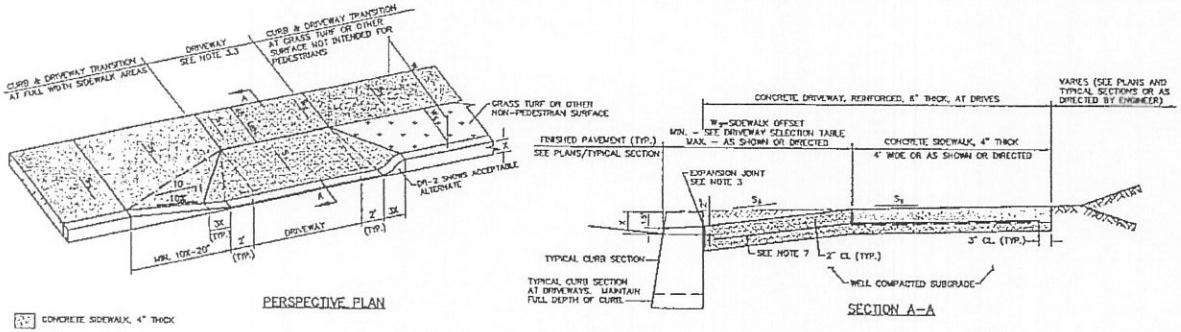
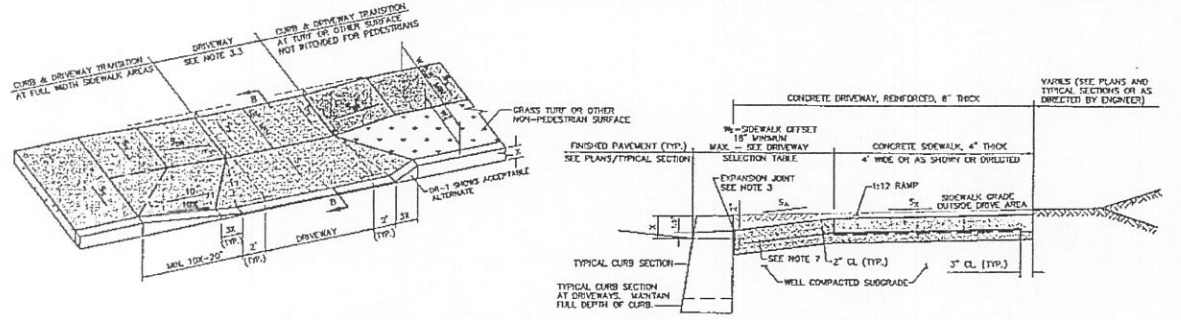



PERSPECTIVE PLAN

SECTION A-A

## DETAIL DR-1
## CONCRETE DRIVEWAY TYPE 1 – LARGE SIDEWALK OFFSET

NOT TO SCALE

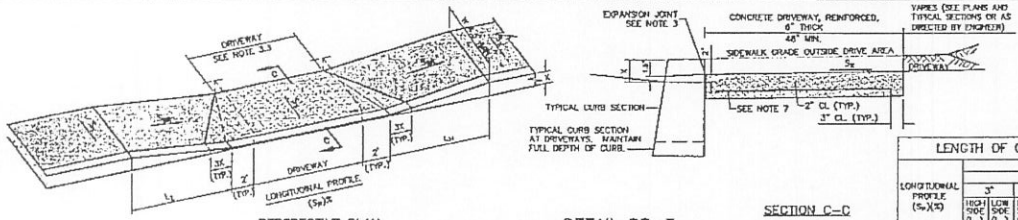



PERSPECTIVE PLAN

SECTION B-B

## DETAIL DR-2
## CONCRETE DRIVEWAY TYPE 2 – INTERMEDIATE SIDEWALK OFFSET

NOT TO SCALE




PERSPECTIVE PLAN

SECTION C-C

## DETAIL DR-3
## CONCRETE DRIVEWAY TYPE 3 – MINIMUM SIDEWALK OFFSET

NOT TO SCALE

### LENGTH OF CURB TRANSITION AT DRIVEWAY TABLE (FOR DR-3)

| LONGITUDINAL PROFILE (Sw)(%) | LENGTH OF 1:14 CURB TRANSITION — CURB HEIGHT (FACE) (INCHES) 3" | 4" | 5" | 6" | 7" | 8" | 9" | 10" |
|---|---|---|---|---|---|---|---|---|
| | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) | HIGH SIDE ($L_H$) / LOW SIDE ($L_L$) |
| SEE NOTE 2 | 1'-2" / 1'-2" | 2'-4" / 2'-4" | 3'-8" / 3'-6" | 4'-8" / 4'-8" | 5'-10" / 5'-10" | 7'-0" | 8'-2" | 9'-4" |
| 0.2 | 1'-2" / 1'-2" | 2'-4" / 2'-3" | 3'-7" / 3'-5" | 4'-10" / 4'-8" | 6'-0" / 5'-8" | 6'-10" | 7'-11" | 9'-1" |
| 0.3 | 1'-2" / 1'-1" | 2'-5" / 2'-2" | 3'-8" / 3'-4" | 4'-10" / 4'-6" | 6'-1" / 4'-7" | 6'-8" | 7'-10" | 8'-11" |
| 0.4 | 1'-2" / 1'-1" | 2'-5" / 2'-1" | 3'-8" / 3'-3" | 4'-11" / 4'-5" | 6'-2" / 5'-6" | 6'-7" | 7'-9" | 8'-10" |
| 0.5 | 1'-2" / 1'-1" | 2'-6" / 2'-2" | 3'-9" / 3'-3" | 5'-0" / 4'-4" | 6'-3" / 5'-5" | 6'-6" | 7'-7" | 8'-9" |
| 0.75 | 1'-3" / 1'-0" | 2'-7" / 2'-1" | 3'-11" / 3'-2" | 5'-2" / 4'-3" | 6'-6" / 5'-4" | 6'-3" | 7'-5" | 8'-6" |
| 1.00 | 1'-4" / 1'-0" | 2'-8" / 2'-0" | 4'-1" / 3'-1" | 5'-5" / 4'-1" | 6'-9" / 5'-3" | 6'-1" | 7'-2" | 8'-3" |
| 1.50 | 1'-5" / 0'-11" | 2'-11" / 1'-11" | 4'-5" / 2'-11" | 5'-11" / 3'-10" | 4'-10" | 5'-9" | 6'-9" | 7'-8" |
| 2.00 | 1'-7" / 0'-10" | 3'-2" / 1'-10" | 4'-10" / 2'-9" | 6'-5" / 3'-7" | 4'-7" | 5'-5" | 6'-4" | 7'-3" |
| 2.50 | 1'-9" / 0'-10" | 3'-5" / 1'-9" | 5'-2" / 2'-7" | 3'-5" | 4'-4" | 5'-2" | 6'-0" | 6'-11" |
| 3.00 | 2'-0" / 0'-9" | 4'-0" / 1'-7" | 6'-0" / 2'-5" | 3'-3" | 4'-1" | 4'-11" | 5'-9" | 6'-7" |
| 3.50 | 2'-3" / 0'-9" | 4'-6" / 1'-6" | 6'-10" / 2'-4" | 3'-1" | 3'-11" | 4'-8" | 5'-6" | 6'-3" |
| 4.00 | 2'-7" / 0'-8" | 5'-2" / 1'-6" | 3'-3" | 3'-0" | 3'-9" | 4'-6" | 5'-3" | 6'-0" |
| 4.50 | 2'-11" / 0'-8" | 6'-2" / 1'-5" | 3'-2" | 2'-10½" | 3'-7" | 4'-3½" | 5'-0" | 5'-8½" |
| 5.00 | 3'-4" / 0'-8" | 1'-4½" | 3'-0" | 2'-9" | 3'-5" | 4'-1" | 4'-10" | 5'-6" |
| 5.50 | 3'-11" / 0'-7" | 1'-4" | 2'-11½" | 2'-7½" | 3'-3" | 3'-11½" | 4'-7½" | 5'-3" |

NOTES:
1. INTERPOLATE BETWEEN SLOPES SHOWN AS REQUIRED.
2. NO ADJUSTMENT FOR PROFILE SLOPES LESS THAN 0.2%.
3. CONSULT ENGINEER FOR PROFILE SLOPES GREATER THAN 5.5%.

TRANSITION SLOPE MUST BE LESS THAN 1:20 (5%) OR SPECIAL DETAIL REQUIRED. SEE NOTE 2, TABLE DR-3.

### GENERAL NOTES:

1. CONCRETE FOR CURBS, DRIVEWAYS AND SIDEWALKS SHALL BE NJDOT CLASS B. DRIVEWAY CONCRETE SHALL ATTAIN A STRENGTH OF NOT LESS THAN 3000 PSI WITHIN 3 DAYS OF PLACEMENT.
2. CURB, DRIVEWAYS AND SIDEWALKS SHALL BE CAST IN SEPARATE OPERATIONS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
3. EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER CONFORMING TO AASHTO M33, PREFORMED EXPANSION JOINT FILLER FOR CONCRETE (BITUMINOUS TYPE), SHALL BE PROVIDED AS FOLLOWS:
   - 3.1 1/2" THICK AT LONGITUDINAL INTERVALS OF APPROXIMATELY TWENTY FEET (20');
   - 3.2 1/4" THICK BETWEEN CURB AND SIDEWALK OR DRIVEWAYS, AROUND ALL STRUCTURES OR APPURTENANCES, SUCH AS MANHOLES, JUNCTION BOXES AND UTILITY POLES, AND ADJACENT TO ANY FIXED STRUCTURE;
   - 3.3 AT LONGITUDINAL CENTERLINE OF ANY DRIVE WHICH EXCEEDS TWELVE FEET (12') IN WIDTH OR AS DIRECTED BY ENGINEER.
4. EXPANSION JOINT MATERIAL SHALL BE TRIMMED AS TO BE SLIGHTLY BELOW THE SURFACE OF THE CONCRETE.
5. TOOLED JOINTS SHALL BE PROVIDED WITH A GROOVING TOOL SO AS TO DIVIDE THE CONCRETE SURFACE INTO BLOCKS AS CLOSELY APPROACHING A SQUARE AS PRACTICABLE. GROOVES SHALL BE CUT TO A DEPTH OF AT LEAST 1/2 INCH AND SHALL BE FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/4 INCH.
6. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, EXPANSION AND TOOLED JOINTS IN CONCRETE SURFACES SHALL BE ALIGNED WITH JOINTS IN CURBS.
7. WELDED WIRE FABRIC IN DRIVEWAYS SHALL BE 6X6–6X6 (OLD DESIGNATION), 6X6–W2.9XW2.9 (NEW DESIGNATION) IN ACCORDANCE WITH ASTM A-185.

### DRIVEWAY DESIGN SLOPE AND TOLERANCES TABLE

| SYMBOL | DESCRIPTION | SLOPES (NOTE 1) DESIGN (NOMINAL) | MINIMUM | MAXIMUM |
|---|---|---|---|---|
| $S_w$ | CROSS SLOPE OF PUBLIC SIDEWALK | 1:60<br>1.67%<br>3/4" PER 4'<br>3/16" PER 1' | 1:72<br>1.4%<br>5/8" PER 4'<br><3/16" PER 1' | 1:50<br>2% |
| $S_{DR}$ | LONGITUDINAL (RUNNING) SLOPE OF DRIVEWAY TRANSITION RAMP | NORMAL RANGE<br>MINIMUM<br>1:36<br>2.8%<br>1 1/4" PER 4'<br>5/16" PER 1'<br>NORMAL RANGE<br>MAXIMUM<br>1:14<br>7.1%<br>3/4" PER 4'<br>APPROX 7/8" PER 1'<br>(NOTE 2) | 1:50<br>2% | 1:12<br>8.3%<br>(NOTE 2) |
| $S_A$ | LONGITUDINAL (RUNNING) SLOPE OF DRIVEWAY APRON | 1:10<br>10%<br>1 1/4" PER 1' | 1:50<br>2% | 1:8<br>12.5%<br>1 1/2" PER 1' |

NOTES:

1. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, CONSTRUCTION WHICH DOES NOT CONFORM TO THE TOLERANCES SPECIFIED ($S_w$ WHICH EXCEEDS THE MAXIMUM OR IS LESS THAN THE MINIMUM) WILL BE REMOVED AND REPLACED WITHOUT COST TO THE OWNER.
2. IF $S_{DR}$ EXCEEDS 1:20 (5%), THE MAXIMUM VERTICAL RISE PERMITTED IS 6". WHEN THIS CANNOT BE ACHIEVED IN THE ALTERATION OF EXISTING FACILITIES, CONSULT THE ENGINEER.

### DRIVEWAY SELECTION TABLE

| CURB FACE (X) (INCHES) | W LESS THAN 5.5' | $W_S$ (FEET) 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 |
|---|---|---|
| 3 | DETAIL DR-3 APPLIES | 1'8" |
| 4 | | 2'8" |
| 5 | | 3'8" |
| 6 | | 4'8" |
| 7 | | 5'8" |
| 8 | | 6'8" |
| 9 | | 7'8" |
| 10 | | 8'8" |

DETAIL DR-1 APPLIES

DETAIL DR-2 APPLIES

AT DESIGN (NOMINAL) APRON SLOPE ($S_A$)

| NO. | DATE | REVISIONS | BY | CHECKED |
|---|---|---|---|---|

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

CONSTRUCTION DETAILS


TPM
11 TINDALL ROAD
MIDDLETOWN, NJ 07748
TEL 732-671-6400
FAX 732-671-2744
PROFESSIONAL ENGINEERS LAND SURVEYORS CERTIFICATE OF AUTHORIZATION #24GA27996600

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. 24GE04


09/08/2015

DRAWING DTL-4

SHEET 16 OF 20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PLAN SYMBOL (C1)

## SEDIMENT CONTROL FENCE

NOT TO SCALE

PLAN SYMBOL (E1)

## STRAW BALE EROSION PROTECTION FOR ROADWAY EXCAVATION

NOT TO SCALE

1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.

   HUDSON ESSEX PASSAIC SOIL CONSERVATION DISTRICT
   15 BLOOMFIELD AVENUE
   TEL. 973-364-0786
   CALDWELL, NJ 07006

2. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
3. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
4. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
5. IN THAT N.J.S.A. 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR EROSION CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN THIRTY (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2-2 1/2 TONS PER ACRE, ACCORDING TO THE STANDARD FOR STABILIZATION WITH MULCH ONLY.
7. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 1 1/2 - 2 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
8. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF PRELIMINARY GRADING.
9. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION CONTINUES (I.E. SLOPES GREATER THAN 3:1).
10. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF 1" - 2" STONE FOR A MINIMUM LENGTH OF 10' EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF.
11. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
12. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
13. AT THE TIME THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
14. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF SOIL HAVING A pH OF 5 OR MORE PRIOR TO SEEDBED PREPARATION. AREAS WHERE TREES OR SHRUBS ARE TO BE PLANTED SHALL BE COVERED WITH A MINIMUM OF TWENTY-FOUR (24) INCHES OF SOIL HAVING A pH OF 5 OR MORE.
15. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
16. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH STANDARD FOR DEWATERING.
17. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
18. STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AREAS AND STOCKPILES NOT LOCATED WITHIN THE LIMITS OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
19. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
20. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

4/2008
Freehold Soil Conservation District
4000 Kozloski Road, Freehold, NJ 07728
(732) 683-8500, fax (732) 683-9140
Email: info@freeholdscd.org

- PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND ROADWAY.

## STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

PLAN SYMBOL (E2)

Table 29-1: Lengths of Construction Exits on Sloping Roadbeds

| Percent Slope of Roadway | Length of Stone Required | |
|---|---|---|
| | Coarse Grained Soils | Fine Grained Soils |
| 0 to 2% | 50 Feet | 100 Feet |
| 2 to 5% | 100 Feet | 200 Feet |
| > 5% | Entire surface stabilized with FABC base course[1] | |

1. As prescribed by local ordinance or other governing authority.

(A2) FLAT TYPE INLET FRAME

GENERAL NOTES:
1. CONTRACTOR TO CLEAN INLET FILTER AFTER EVERY STORM.
2. FILTER FABRIC, WOOD PIECE OR PVC PIPE TO BE REMOVED AFTER PAVING OR FINAL GRADING AND ESTABLISHMENT OF VEGETATION.

(A1) CURB TYPE INLET FRAME

## INLET FILTER

NOT TO SCALE

## INLET FILTER PROTECTION

NOT TO SCALE

PROPOSED CONSTRUCTION SEQUENCE

| | APPROX. DURATION |
|---|---|
| 1. APPLICATION OF PROPER MEASURES FOR THE CONTROL OF SOIL EROSION & SEDIMENT CONTROL. | 2 DAYS |
| 2. CLEARING OF THE SITE. | 2 DAYS |
| 3. TEMPORARY STABILIZATION OF AREAS INITIALLY DISTURBED. STABILIZATION TO BE ACCOMPLISHED BY USE OF TEMPORARY SEEDING AND/OR STRAW MULCHING OR EQUIVALENT MATERIAL AT A RATE OF TWO TONS PER ACRE, ACCORDING TO STATE STANDARDS. | 2 DAYS |
| 4. INSTALLATION OF CURB, SIDEWALK AND OTHER MATERIALS FOR ROADWAY CONSTRUCTION. | 107 DAYS |
| 5. INSTALLATION OF TOPSOILING, FERTILIZING, SEEDING, AND MULCHING. | 5 DAYS |
| 6. REMOVAL OF SOIL EROSION AND SEDIMENT CONTROL DEVICES AFTER ESTABLISHED VEGETATIVE GROWTH HAS OCCURRED. | 2 DAYS |

THE TOTAL ESTIMATED TIME OF CONSTRUCTION IS 120 DAYS*

* NOTE: PROPOSED CONSTRUCTION SEQUENCE IS PROVIDED FOR SOIL CONSERVATION DISTRICT USE ONLY.

TOTAL PROJECT DISTURBED AREA = 0.51 ACRES
NO LAND DISTURBING CONSTRUCTION ACTIVITIES ARE TO OCCUR OUTSIDE THE INDICATED LIMITS OF DISTURBANCE.

SOIL EROSION LEGEND

- (A1) INLET FILTER, CURB TYPE
- (A2) INLET FILTER, FLAT GRATE TYPE
- (C1) SEDIMENT CONTROL FENCE
- (E2) STABILIZED CONSTRUCTION ACCESS
- – – – LIMIT OF DISTURBANCE

| NO. | DATE | REVISIONS | BY | CHECKED |
|---|---|---|---|---|

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

SOIL EROSION AND SEDIMENT CONTROL DETAILS

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE45108

08/06/2015

DRAWING SE-1

SHEET 17 OF 20

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# STANDARD FOR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

## Definition

Establishment of temporary vegetative cover on soils exposed for periods of two to 8 months which are not being graded, not under active construction or not scheduled for permanent seeding within 90 days.

## Purpose

To temporarily stabilize the soil and reduce damage from wind and water erosion until permanent stabilization is accomplished.

## Water Quality Enhancement

Provides temporary protection against the impacts of wind and rain, slows the overland movement of stormwater runoff, increases infiltration and retains soil and nutrients on site, protecting streams or other stormwater conveyances.

## Where Applicable

On exposed soils that have the potential for causing off-site environmental damage.

## Methods and Materials

I. Site Preparation

A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading, p. 19-1.

B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and water-ways. See Standards 11 through 42.

C. Immediately prior to seeding, the surface should be scarified 6" to 12" where there has been soil compaction. This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.).

II. Seedbed Preparation

A. Apply ground limestone and fertilizer according to soil test recommendations such as those offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% more available nitrogen where a soil test indicates potentials. Apply limestone at the rate of 2 tons/acre where soil test indicates otherwise. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes. Table below is a general guideline for limestone application.

| SOIL TEXTURE | TONS/ACRE | LBS./1,000 SQ. FT. |
|---|---|---|
| Clay, clay loam, and high organic soil | 3 | 135 |
| Sandy loam, loam, silt loam | 2 | 90 |
| Loamy sand, sand | 1 | 45 |

Pulverized dolomitic limestone is preferred for most soils south of the New Brunswick-Trenton line.

B. Work lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disk, spring-tooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue these until a reasonably uniform seedbed is prepared.

C. Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retilled as above.

D. Seeds kept as surface or barely a pit of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1 of the Standards for Soil Erosion and Sediment Control in New Jersey.

## Seeding

A. Select seed from recommendations in Table.

| SEED TYPES | SEEDING RATES 1/ (pounds) Per Acre | Per 1,000 Sq Ft. | OPTIMUM SEEDING DATE 2/ Based on Plant Hardiness Zone 3/ ZONE 5 | ZONE 6 | ZONE 7 | OPTIMUM SEED DEPTH 4/ (inches) |
|---|---|---|---|---|---|---|
| COOL SEASON SPECIES | | | | | | |
| Perennial ryegrass | 100 | 1.0 | 3/15-6/1 8/1-9/15 | 3/1-5/15 8/15-10/1 | 3/15-6/1 8/15-10/15 | 0.5 |
| Spring Oats | 80 | 2.0 | 3/15-6/1 8/1-9/15 | 3/1-5/15 8/15-10/1 | 3/15-6/1 8/15-10/15 | 1.0 |
| Winter Barley | 96 | 2.2 | 8/1-9/15 | 8/15-10/1 | 8/15-10/15 | 1.0 |
| Winter Cereal Rye | 112 | 2.6 | 8/1-11/1 | 8/1-11/15 | 8/1-12/15 | 1.0 |
| WARM SEASON SPECIES | | | | | | |
| Pearl millet | 20 | 0.5 | 6/1-8/1 | 5/15-8/15 | 5/1-8/1 | 1.0 |
| Millet (German or Hungarian) | 30 | 0.7 | 6/1-8/1 | 5/15-8/15 | 5/1-8/1 | 1.0 |
| Sheeping bluegrass | 6 | 0.2 | 8/1-8/1 | 5/15-6/15 | 5/1-8/1 | 0.25 |

1/ Seeding rate for warm season grass, shall be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. No adjustment is required for cool season grasses.

2/ May be planted throughout summer if soil moisture is adequate or can be irrigated

3/ Plant Hardiness Zone (see below)

4/ Value the depth for sandy soils

Zone 5a (-10 to -15) Portions of Sussex and Warren Counties

Zone 5b (-5 to -10) Portions of Bergen, Warren, Passaic, Morris, Somerset and Hunterdon counties.

Zone 6a (0 to -5) Portions of Bergen, Camden, Essex and Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Ocean, Burlington, Morris, Passaic, Somerset, Union, Atlantic, Cumberland, and Cape May counties.

Zone 7a (5 to 0) Portions of Camden, Gloucester, Salem, Cumberland, Cape May, Atlantic, Burlington, Ocean, and Monmouth counties.

Zone 7b (10 to 5) Portions of Cape May, Atlantic, Ocean and Monmouth counties

B. Conventional Seeding – Apply seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil, to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse textured soil.

C. Hydroseeding is a broadcast seeding method usually involving a truck or trailer mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. Mulch shall not be included in the tank with seed. Short fibered mulch may be applied with a hydroseeder following seeding. Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. Poor seed to soil contact occurs reducing seed germination and growth. Hydroseeding may be used for areas too steep for conventional equipment to traverse or too obstructed with rocks, stumps, etc.

D. After seeding, firming the soil with a cultipacked roller will assure good seed-to-soil contact, restore capillarity, and improve seeding emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water penetration on site will be maximized.

## IV. Mulching

Mulching is required on all seeding. Mulch will insure against erosion before grass is established and will promote faster and better establishment. (The existence of vegetation sufficient to control soil erosion shall be deemed compliance with this mulching requirement.)

A. Straw or Hay Unrotted small grain straw, hay free of seeds, or salt hay to be applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a mulcher is used instead of hand mulch-blower (blowing or spreader equip), the rate of application is 2 tons per acre. Mulch chopper-blowers must not grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread uniformly by hand mechanically so that approximately 85% of the soil surface will be covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square foot sections and distribute 70 to 90 pounds within each section.

Anchoring should be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.

1. Peg and Twine – Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after spreading mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.

2. Mulch Nettings – Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.

3. Crimper (mulch anchoring tool) – A tractor-drawn implement, sometimes like a disc-harrow, especially designed to push or cut some of the crosswise tangled fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 2 tons per acre. No backlying or adhesive agent is required.

4. Liquid Mulch-Binders – May be used to anchor soil hay or straw mulches.

a. Applications should be heavier at edges where wind catches the mulch, in valleys, and at streets of banks. Remainder of area should be uniform in appearance.

b. Use one of the following:

(1) Emulsified asphalt – (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply 0.04 gal./sq. yd. or 194 gal./acre on flat slopes less than 8 feet high. On slopes 8 feet or more high, use 0.075 gal./sq. yd. or 363 gal./acre. These materials may be difficult to apply uniformly and will discolor surfaces.

(2) Organic and Vegetable Based Binders – Naturally occurring, powder based, hydrophilic materials which mixed with water formulate a gel and when applied to mulch under satisfactory curing conditions will form membranoid networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrass. Use at rates and weather conditions as recommended by the manufacturer. Many non-asphalt mulch materials, many new products are available, some of which may need further evaluation for use in this state.

(3) Synthetic Binders – High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

B. Wood-fiber or paper-fiber mulch. Shall be made from wood, plant fibers or paper containing no growth or germination inhibiting materials, used at the rate of 1,500 pounds per acre (or as recommended by the product manufacturer) and may be applied by a hydroseeder. This mulch shall not be mixed in the tank with the seed. Use is limited to flatter slopes and during optimum seeding periods in spring and fall.

C. Paperblend mulch. Compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, form a mulch mat. Paperblend mulch shall be applied in accordance with the manufacturers recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs/1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small areas of fabricated areas, seeded areas where weed-seed free mulch is desired or on sites where straw mulch and tackifier agent are not practical or desirable.

Applying the lot 0.2 to 0.4 inches of water after spreading paperblend mulch on the seed bed is extremely important for softened, activation and expansion of the mulch to provide soil coverage.

# STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

## Definition

Establishment of permanent vegetative cover on exposed soils where perennial vegetation is needed for long term protection.

## Purpose

To permanently stabilize the soil, assuring conservation of soil and water, and to enhance the environment.

## Water Quality Enhancement

Stores the overland movement of stormwater runoff, increases infiltration and retains soil and nutrients on site, protecting streams or other stormwater conveyances.

## Where Applicable

On exposed soils that have a potential for causing off-site environmental damage.

## Methods and Materials

I. Site Preparation

A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading, p. 19-1.

B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and water-ways. See Standards 11 through 42.

C. Immediately prior to seeding, the surface should be scarified 6" to 12" where there has been soil compaction. This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.).

II. Seedbed Preparation

A. Apply ground limestone and fertilizer according to soil test recommendations such as those offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% more available nitrogen where a soil test indicates otherwise. Apply limestone at the rate of 2 tons/acre where soil test indicates otherwise. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes. Table below is a general guideline for limestone application rates.

| SOIL TEXTURE | TONS/ACRE | LBS./1,000 SQ. FT. |
|---|---|---|
| Clay, clay loam, and high organic soil | 3 | 135 |
| Sandy loam, loam, silt loam | 2 | 90 |
| Loamy sand, sand | 1 | 45 |

Pulverized dolomitic limestone is preferred for most soils south of the New Brunswick-Trenton line.

B. Work lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disk, spring-tooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue these until a reasonably uniform seedbed is prepared.

C. Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retilled as above.

D. Seeds kept as surface or barely a pit of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1 of the Standards for Soil Erosion and Sediment Control in New Jersey.

## Seeding

A. Select seed from recommendations in Table.

| SEED TYPES | SEEDING RATES 1/ (pounds) Per Acre | Per 1,000 Sq Ft. | OPTIMUM SEEDING DATE 2/ Based on Plant Hardiness Zone 3/ ZONE 5 | ZONE 6 | ZONE 7 | OPTIMUM SEED DEPTH 4/ (inches) |
|---|---|---|---|---|---|---|
| COOL SEASON SPECIES | | | | | | |
| Perennial ryegrass | 100 | 1.0 | 3/15-6/1 8/1-9/15 | 3/1-5/15 8/15-10/1 | 3/15-6/1 8/15-10/15 | 0.5 |
| Spring Oats | 80 | 2.0 | 3/15-6/1 8/1-9/15 | 3/1-5/15 8/15-10/1 | 3/15-6/1 8/15-10/15 | 1.0 |
| Winter Barley | 96 | 2.2 | 8/1-9/15 | 8/15-10/1 | 8/15-10/15 | 1.0 |
| Winter Cereal Rye | 112 | 2.6 | 8/1-11/1 | 8/1-11/15 | 8/1-12/15 | 1.0 |
| WARM SEASON SPECIES | | | | | | |
| Pearl millet | 20 | 0.5 | 6/1-8/1 | 5/15-8/15 | 5/1-8/1 | 1.0 |
| Millet (German or Hungarian) | 30 | 0.7 | 6/1-8/1 | 5/15-8/15 | 5/1-8/1 | 1.0 |
| Sheeping bluegrass | 6 | 0.2 | 8/1-8/1 | 5/15-6/15 | 5/1-8/1 | 0.25 |

1/ Seeding rate for warm season grass, shall be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. No adjustment is required for cool season grasses.

2/ May be planted throughout summer if soil moisture is adequate or can be irrigated

3/ Plant Hardiness Zone (see below)

4/ Value the depth for sandy soils

Zone 5b (-10 to -15) Portions of Sussex and Warren Counties

Zone 6a (-5 to -10) Portions of Bergen, Warren, Passaic, Morris, Somerset and Hunterdon counties.

Zone 6b (0 to -5) Portions of Bergen, Camden, Essex and Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Ocean, Burlington, Morris, Passaic, Somerset, Union, Atlantic, Cumberland, and Cape May counties.

Zone 7a (5 to 0) Portions of Camden, Gloucester, Salem, Cumberland, Cape May, Atlantic, Burlington, Ocean, and Monmouth counties.

Zone 7b (10 to 5) Portions of Cape May, Atlantic, Ocean and Monmouth counties

B. Conventional Seeding – Apply seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil, to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse textured soil.

C. Hydroseeding is a broadcast seeding method usually involving a truck or trailer mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. Mulch shall not be included in the tank with seed. Short fibered mulch may be applied with a hydroseeder following seeding. Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. Poor seed to soil contact occurs reducing seed germination and growth. Hydroseeding may be used for areas too steep for conventional equipment to traverse or too obstructed with rocks, stumps, etc.

D. After seeding, firming the soil with a cultipacked roller will assure good seed-to-soil contact, restores capillarity and improve seeding emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water penetration on site will be maximized.

## IV. Mulching

Mulching is required on all seeding. Mulch will insure against erosion before grass is established and will promote faster and better establishment. (The existence of vegetation sufficient to control soil erosion shall be deemed compliance with this mulching requirement.)

A. Straw or Hay Unrotted small grain straw, hay free of seeds, or salt hay to be applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a mulcher is used instead of hand mulch-blower (blowing or spreader equip), the rate of application is 2 tons per acre. Mulch chopper-blowers must not grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread uniformly by hand mechanically so that approximately 85% of the soil surface will be covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square foot sections and distribute 70 to 90 pounds within each section.

Anchoring should be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.

1. Peg and Twine – Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after spreading mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.

2. Mulch Nettings – Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.

3. Crimper (mulch anchoring tool) – A tractor-drawn implement, sometimes like a disc-harrow, especially designed to push or cut some of the crosswise tangled fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 2 tons per acre. No backlying or adhesive agent is required.

4. Liquid Mulch-Binders – May be used to anchor soil hay or straw mulches.

a. Applications should be heavier at edges where wind catches the mulch, in valleys, and at streets of banks. Remainder of area should be uniform in appearance.

b. Use one of the following:

(1) Emulsified asphalt – (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply 0.04 gal./sq. yd. or 194 gal./acre on flat slopes less than 8 feet high. On slopes 8 feet or more high, use 0.075 gal./sq. yd. or 363 gal./acre. These materials may be difficult to apply uniformly and will discolor surfaces.

(2) Organic and Vegetable Based Binders – Naturally occurring, powder based, hydrophilic materials which mixed with water formulate a gel and when applied to mulch under satisfactory curing conditions will form membranoid networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrass. Use at rates and weather conditions as recommended by the manufacturer. Many non-asphalt mulch materials, many new products are available, some of which may need further evaluation for use in this state.

(3) Synthetic Binders – High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

B. Wood-fiber or paper-fiber mulch. Shall be made from wood, plant fibers or paper containing no growth or germination inhibiting materials, used at the rate of 1,500 pounds per acre (or as recommended by the product manufacturer) and may be applied by a hydroseeder. This mulch shall not be mixed in the tank with the seed. Use is limited to flatter slopes and during optimum seeding periods in spring and fall.

C. Paperblend mulch. Compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, form a mulch mat. Paperblend mulch shall be applied in accordance with the manufacturers recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs/1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small areas of fabricated areas, seeded areas where weed-seed free mulch is desired or on sites where straw mulch and tackifier agent are not practical or desirable.

Applying the lot 0.2 to 0.4 inches of water after spreading paperblend mulch on the seed bed is extremely important for softened, activation and expansion of the mulch to provide soil coverage.

| SEED TYPES | Minimum Purity % | Minimum Germination % | % Of Total Weight of Mixture | Application Rate Lb/Acre |
|---|---|---|---|---|
| 'Arid 3' Tall Fescue | 93 | 90 | 20 | 40 |
| 'Jamestown 2' Chewing Fescue | 95 | 85 | 20 | 40 |
| 'Award' Kentucky Bluegrass | 85 | 85 | 50 | 100 |
| 'Manhattan 2' Perennial Ryegrass | 85 | 85 | 10 | 20 |
| | | | | 200 Lb./acre |

B. Conventional Seeding – Apply seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil within 24 hours of seedbed preparation to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse textured soil.

C. Hydroseeding is a broadcast seeding method usually involving a truck or trailer mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. Mulch shall not be included in the tank with seed. Short fibered mulch may be applied with a hydroseeder following seeding. Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. Poor seed to soil contact occurs reducing seed germination and growth. Hydroseeding may be used for areas too steep for conventional equipment to traverse or too obstructed with rocks, stumps, etc.

D. After seeding, firming the soil with a cultipacked roller will assure good seed-to-soil contact, restores capillarity, and improve seeding emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water penetration on site will be maximized.

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A. Straw or Hay Unrotted small grain straw, hay free of seeds, or salt hay to be applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a mulcher is used instead of hand mulch-blower (blowing or spreader equip), the rate of application is 2 tons per acre. Mulch chopper-blowers must not grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread uniformly by hand mechanically so that approximately 85% of the soil surface will be covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square foot sections and distribute 70 to 90 pounds within each section.

Anchoring should be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.

1. Peg and Twine – Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after spreading mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.

2. Mulch Nettings – Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.

3. Crimper (mulch anchoring tool) – A tractor-drawn implement, sometimes like a disc-harrow, especially designed to push or cut some of the crosswise tangled fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 2 tons per acre. No backlying or adhesive agent is required.

4. Liquid Mulch-Binders – May be used to anchor soil hay or straw mulches.

a. Applications should be heavier at edges where wind catches the mulch, in valleys, and at streets of banks. Remainder of area should be uniform in appearance.

b. Use one of the following:

(1) Emulsified asphalt – (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply 0.04 gal./sq. yd. or 194 gal./acre on flat slopes less than 8 feet high. On slopes 8 feet or more high, use 0.075 gal./sq. yd. or 363 gal./acre. These materials may be difficult to apply uniformly and will discolor surfaces.

(2) Organic and Vegetable Based Binders – Naturally occurring, powder based, hydrophilic materials which mixed with water formulate a gel and when applied to mulch under satisfactory curing conditions will form membranoid networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrass. Use at rates and weather conditions as recommended by the manufacturer. Many non-asphalt mulch materials, many new products are available, some of which may need further evaluation for use in this state.

(3) Synthetic Binders – High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

B. Wood-fiber or paper-fiber mulch. Shall be made from wood, plant fibers or paper containing no growth or germination inhibiting materials, used at the rate of 1,500 pounds per acre (or as recommended by the product manufacturer) and may be applied by a hydroseeder. This mulch shall not be mixed in the tank with the seed. Use is limited to flatter slopes and during optimum seeding periods in spring and fall.

C. Paperblend mulch. Compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, form a mulch mat. Paperblend mulch shall be applied in accordance with the manufacturers recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs/1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small areas of fabricated areas, seeded areas where weed-seed free mulch is desired or on sites where straw mulch and tackifier agent are not practical or desirable.

Applying the lot 0.2 to 0.4 inches of water after spreading paperblend mulch on the seed bed is extremely important for softened, activation and expansion of the mulch to provide soil coverage.

## V. Irrigation (where feasible)

If soil moisture is deficient, and mulch is not used, supply new seedings with adequate water (a minimum of 1/4 inch twice a day until vegetation is well established). This is especially true when seedings are made in abnormally dry or hot weather or on droughty sites.

## VI. Topdressing

Since slow release nitrogen fertilizer (water insoluble is prescribed in Section II.A. Seedbed preparation in this standard, no topdressings of liquid nitrogen is mandatory. An exception may be made where grass adequate deficiency exists to the extent that turf failure may develop. In that instance, topdress with 10-10-10 or equivalent at 400 pounds per 1,000 square feet.

## VII. Extraordinary Permanent Vegetative Stabilization

The density of permanent vegetation rests with the perimeter. The timing of seeding, preparing the seedbed, applying nutrients, mulch and other management are essential. The seed application rate is required when a Report of Compliance is requested prior to actual establishment of permanent vegetation. Up to 30% reduction in application rates may be used when permanent vegetation is established prior to requesting a Report of Compliance from the district. The rate applies to all methods of seeding. Establishing permanent vegetation means 80% vegetative cover of the seeded species and normal vigor.

# STANDARD FOR STABILIZATION WITH MULCH ONLY

## Definition

Blanketing exposed soils with non-vegetative material.

## Purpose

To protect exposed soil surfaces from erosion damage and to reduce offsite environmental damages.

## Water Quality Enhancement

Provides temporary protection against impacts of wind or rainfall induced soil erosion until permanent vegetative cover may be established.

## Where Applicable

This practice is applicable to areas subject to erosion, where the season and other conditions may not be suitable for growing an erosion resistant cover or where stabilization is needed for a short period until more suitable protection can be applied.

## Method and Materials

I. Site Preparation

A. Grade as needed and feasible to permit the use of conventional equipment and mulch anchoring. All grading should be done, in accordance with Standards for Land Grading, pg. 19-1.

B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.

II. Protective Materials

A. Unrotted small-grain straw, or salt hay 2.0 to 2.5 tons per acre is spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool. Round wooden branches or netting like above. Other suitable materials may be used if approved by the Soil Conservation District.

B. Asphalt emulsions recommended at the rate of 600 to 1,200 gallons per acre. This is suitable for a limited period of time where travel by people, animals, or machines is not a problem.

C. Synthetic or organic soil stabilizers may be used under suitable conditions and in quantities as recommended by the manufacturer.

D. Wood-fiber or paper-fiber mulch at the rate of 1,500 pounds per acre (or according to the manufacturer's requirements) may be applied by a hydroseeder.

C. Mulch netting, such as paper jute, excelsior, cotton, or plastic, may be used.

F. Woodchips applied uniformly to a minimum depth of 2 inches may be used. Woodchips will not be used on areas where flowing water could wash them into an inlet and plug it.

G. Gravel, crush stone, or slag at the rate of 8 cubic yards per 1,000 sq. ft. applied uniformly to a minimum depth of 3 inches may be used. Size 2 or 3 (refer AASHTO) is recommended.

III. Mulch anchoring should be accomplished immediately after placement of hay or straw mulch to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area and steepness of slopes.

A. Peg and Drive – Drive 8 to 10 inch pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after spreading mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and square pattern. Secure twine around each peg with two or more round turns.

B. Mulch nettings – Staple paper, cotton, and plastic nettings over mulch. Use a degradable netting in areas to be mowed. Netting is usually available in rolls 4 feet wide and 300 feet long.

C. Crimper Mulch Anchoring Crusher Tool – A tractor-drawn implement usually designed to punch and anchor mulch into the soil surface. This practice refuses maximum erosion control but is limited to those areas where the tractor can operate safely. Soil penetration should be about 3 to 4 inches. On sloping land, the operation should be on the contour.

D. Liquid Mulch – Binders

1. Application should be heavier at edges where wind catches the mulch, in valleys, and at streets of banks. Remainder of area should be uniform in appearance.

2. Use one of the following:

a. Emulsified Asphalt – (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, and CRS-2). Apply 0.04 gal/sq/yd or 194 gal/acre on flat areas and on slopes less than 8ft of more high, use 0.075 gal/sq/yd or 363 gal/acre. This materials may be difficult to apply uniformly and will discolor surfaces.

b. Organic and Vegetable Based Binders – Naturally occurring, powder based hydrophilic materials that mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membranoid network of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect of impede growth of turfgrass. Synthetic binders shall be applied at rates and weather conditions recommended by the manufacturer.

c. Synthetic Binders – High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates and weather conditions recommended by the manufacturer and remain tacky until germination of grass.

| NO. | DATE | REVISIONS | BY | CHECKED |
|---|---|---|---|---|
| | | | | |

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

SOIL EROSION AND SEDIMENT CONTROL NOTES


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DRAWING NO. SE-2

SHEET 18 OF 20


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THESE PLANS AND SPECIFICATIONS ARE NOT TO BE USED IN WHOLE OR IN PART, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE FOR WHICH THEY WERE PREPARED, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECTURAL ALLIANCE, P.A. AND WITHOUT PROPER COMPENSATION TO THE ARCHITECTURAL ALLIANCE, P.A. ANY UNAUTHORIZED USE WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE POLICE DEPARTMENT AND ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION.
2. ALL CONSTRUCTION SIGNS AND SAFETY EQUIPMENT SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.
3. ALL CONSTRUCTION SIGNS AND SAFTY EQUIPMENT SHALL REMAIN IN PLACE AS DIRECTED BY THE ENGINEER FOR THE DURATION OF THE CONSTRUCTION PROJECT.
4. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION TO MOBILE OPERATORS SHALL BE REMOVED BY GRINDING OR OBLITERATED AS SOON AS PRACTICABLE.
5. ACCESS TO DRIVEWAYS AND SIDE STREETS FROM BOTH APPROACHES SHALL BE MAINTAINED AT ALL TIMES.
6. TRENCHES ARE TO BE COVERED AT THE END OF EACH DAY OF WORK.
7. STREETS INTERSECTING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE SIGN (W20-1, ROAD WORK AHEAD) AS A MINIMUM.
8. POLICE TRAFFIC DIRECTORS SHALL BE USED TO ASSIST IN CONTROLLING TRAFFIC AT INTERSECTIONS.
9. 100' BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE THERE SHALL BE A W1-6 MOUNTED ON A BREAKAWAY BARRICADE CENTERED ON THE CLOSED WIDTH.
10. ADVANCE WARNING SIGNS AND TAPERS MAY BE EXTENDED AS SIGHT DISTANCES REQUIRE TO ADJUST FOR REDUCED VISIBILITY DUE TO THE HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
11. CONSTRUCTION SIGN W69-2 (GIVE US A BRAKE) SHALL BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
12. TRAFFIC FINES DOUBLED IN WORK AREA – R(M)5-17 SIGN SHALL BE LOCATED 500 FEET AFTER FIRST ADVANCE WARNING SIGN, (W20 SERIES) AT EACH WORK AREA.
13. CONSTRUCTION SIGNS W8-18A AND W8-14A SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE DONE AS DIRECTED BY THE ENGINEER.
14. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED IN NEW CONDITION. UPON COMPLETION OF THE CONTRACT, THE CONTRACTOR SHALL DELIVER 20 BREAKAWAY BARRICADES, 20 DRUMS AND 20 TRAFFIC CONES TO THE CANTERET PUBLIC WORKS YARD.

## LEGEND

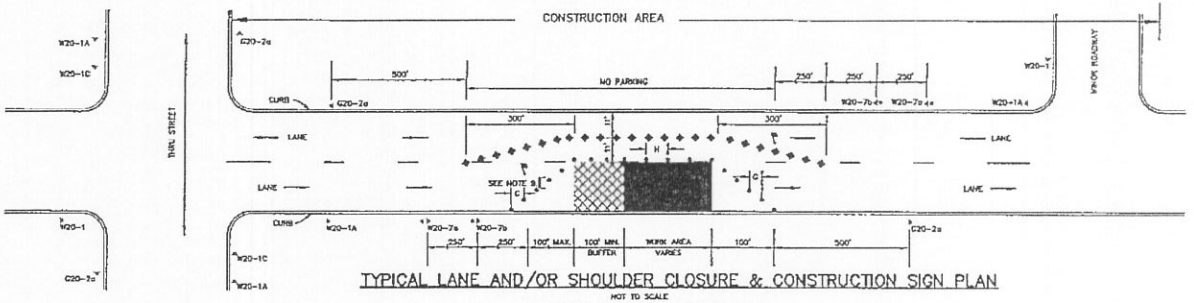
- WORK AREA
- BUFFER AREA
- BREAKAWAY BARRICADE
- BREAKAWAY BARRICADE WITH SIGN
- SIGN
- DRUM
- CONE
- DIRECTION OF TRAFFIC
- FLAGGER
- ILLUMINATED FLASHING ARROW
- ILLUMINATED FLASHING BAR

(ILLUMINATED FLASHING ARROW / ILLUMINATED FLASHING BAR — MAY BE MOUNTED ON THE TRAFFIC CONTROL TRUCK WHERE DIRECTED OR WARRANTED)

### DISTANCE LEGEND

SIGN NUMBER FOLLOWED BY

| LETTER | DISTANCE |
|---|---|
| A | 1500' |
| B | 1000' |
| C | 500' |
| D | 1/2 MILE |
| E | _ MILES AHEAD |
| F | AHEAD |




TYPICAL LANE AND/OR SHOULDER CLOSURE & CONSTRUCTION SIGN PLAN

NOT TO SCALE

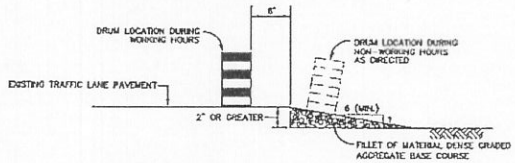
* – SIGNS REQUIRED FOR FLAGGING OPERATIONS ONLY.

DURING CONSTRUCTION THE LENGTH OF LANE SHIFT AND SPACING OF TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TABLE LISTED BELOW.

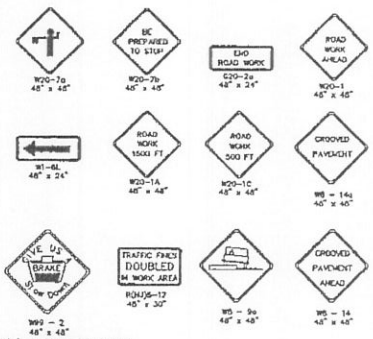
| APPROACH SPEED OF TRAFFIC IN MILES/HOUR | RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS: MINIMUM TAPER RATIO IN LENGTH PER FOOT OF WIDTH | MINIMUM TAPER LENGTH FOR LATERAL SHIFT OF 10 FT | 11 FT | 12 FT | MAXIMUM DEVICE SPACING ALONG TAPER IN FEET (G) | RECOMMENDED SPACING ALONG TANGENTS: MAXIMUM DEVICE SPACING ALONG TANGENTS IN FEET (H) |
|---|---|---|---|---|---|---|
| 25 | 10 1/2:1 | 105 | 115 | 125 | 25 | 50 |
| 30 | 15:1 | 150 | 165 | 180 | 30 | 60 |
| 35 | 20 1/2:1 | 205 | 225 | 245 | 35 | 70 |
| 40 | 27 1/2:1 | 275 | 300 | 330 | 40 | 80 |
| 45 | 45:1 | 450 | 495 | 540 | 45 | 90 |
| 50 | 50:1 | 500 | 550 | 600 | 50 | 100 |
| 55 | 55:1 | 550 | 605 | 660 | 55 | 110 |

LANE SHIFT LENGTHS AND CONTROL DEVICE SPACING TABLE

NOTE: DEVICES AND LANE SHIFT LENGTH SHOWN ALSO APPLY TO LANE CLOSURE REQUIREMENTS




WORK ADJACENT TO ACTIVE TRAFFIC LANES




NOTE: THE BORDER, THE WORDS "GIVE US A SLOW DOWN" AND THE BRAKE PEDAL ARE BLACK, LEAVING THE WORD "BRAKE" ORANGE.

CONSTRUCTION SIGNS

GENERAL NOTES (SIGNS):

1. DIMENSIONS, COLORS AND DETAILS OF VARIOUS SIZE SIGNS, AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGN PUBLICATION" AND THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. LETTERS AND NUMERALS SHALL CONFORM TO THE CURRENT MANUAL, "STANDARD ALPHABETS FOR HIGHWAY SIGNS" U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

| NO. | DATE | REVISIONS | BY | CHECKED |
|---|---|---|---|---|

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

TRAFFIC CONTROL PLAN
LANE CLOSURE/TWO LANE ROADWAY


T&M ASSOCIATES
11 TINDALL ROAD
MIDDLETOWN, NJ 07748
TEL: 732-671-6400
FAX: 732-671-7365
WWW.TANDMASSOCIATES.COM

PETER F. BONDAR, P.E.
CONSULTING ENGINEER
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE NO. GE42908


DATE: 06/06/2015
SCALE: 1" = 20'
PROJECT NO.: HOB-0000
DRAWING: TC-1
SHEET: 19 OF 20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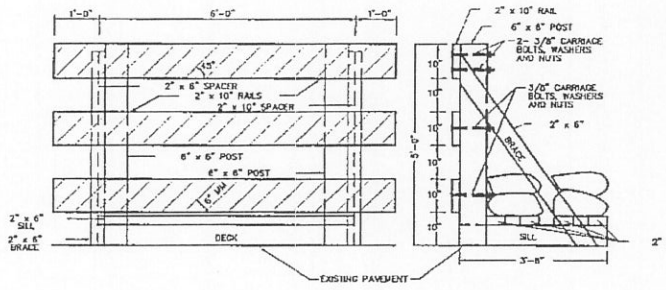
THIS DRAWING IS FOR USE ON THIS SPECIFIC PROJECT ONLY AND SHALL NOT BE USED FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO T&M ASSOCIATES. ANY UNAUTHORIZED REUSE OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF T&M ASSOCIATES SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO T&M ASSOCIATES. THE USER SHALL INDEMNIFY AND HOLD HARMLESS T&M ASSOCIATES AND ITS OFFICERS AND EMPLOYEES FROM ALL LOSSES, DAMAGES, LIABILITIES AND COURT COSTS ARISING OUT OF OR IN CONNECTION WITH SUCH REUSE.




BARRICADE, TYPE III A

NOTES:

1. LUMBER USED SHALL BE YELLOW PINE OR FIR NO.1 COMMON SAS, EXCEPT 12" x 12" TIMBERS.
2. RAILS ARE TO BE PAINTED ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE OR RETROREFLECTIVE SHEETING, TYPE II, OR III A MAY BE UTILIZED MEETING REQUIREMENTS SPECIFIED FOR CONSTRUCTION SIGNS. OTHER PARTS TO BE PAINTED WHITE, 3 COATS.
3. THE ORANGE AND WHITE STRIPES SHALL BE REFLECTORIZED SO AS TO BE VISIBLE UNDER NORMAL ATMOSPHERIC CONDITIONS FROM A MINIMUM DISTANCE OF 1000 FEET WHEN ILLUMINATED BY THE LOW BEAMS OF STANDARD AUTOMOBILE HEADLIGHTS.
4. THE 18" x 24" SANDBAGS SHALL BE FABRICATED FROM POLYPROPYLENE AND SHALL HAVE A CAPACITY OF 1 CU. FT.. SANDBAG PLACEMENT MAY BE ADJUSTED AT THE DIRECTION OF THE ENGINEER.
5. BARRICADE, TYPE III A SHALL BE FABRICATED OF WOOD OR METAL. RAILS MAY BE CONSTRUCTED OF WOOD, METAL OR PLASTIC. IF WOOD IS USED, SPACERS, BRACES, SILL AND DECK TO BE FASTENED WITH 40 SPIKES. HOLES TO BE BORED IN PLANKS FOR ALL SPIKES.

IMPORTANT

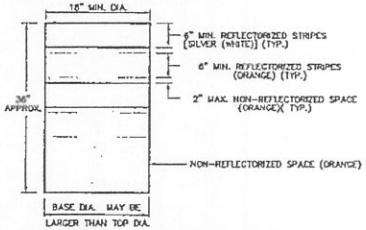
NOTE: BARRICADE TYPE III A SHALL NOT BE USED IN ANY AREA WHERE CONTACT WITH PUBLIC VEHICULAR TRAFFIC IS POSSIBLE. OPEN EXCAVATION AREAS AND OTHER SIMILAR SITUATIONS MAY REQUIRE BARRICADES TYPE III A AND THEIR USE SHALL BE ONLY UPON DIRECTION.

CD-617-1.1

DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE ORANGE AND SILVER (WHITE)) REFLECTORIZED STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY SHALL BE NO MORE THAN 2" WIDE. STRIPES SHALL BE RETROREFLECTIVE SHEETING, TYPE III-B. THE TOP OF THE DRUM SHALL NOT BE OPEN.

DRUMS SHALL BE CONSTRUCTED TO PREVENT ROLLING IF KNOCKED OVER.

THE REFLECTORIZED AREA OF DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES, WHICH PROVIDE THE SAME VISIBILITY AS A 18" DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED IF APPROVED BY THE BUREAU OF MATERIALS.

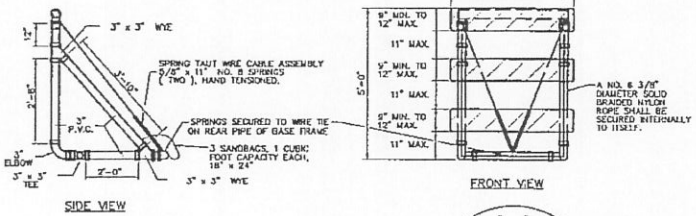


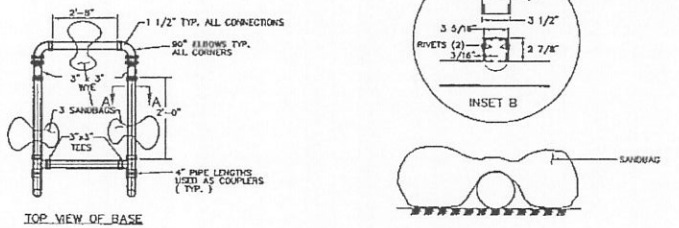

WHEN BALLAST IS REQUIRED BY THE ENGINEER, SAND SHALL BE USED. THE MAXIMUM WEIGHT OF THE BALLAST SHALL BE 50 LBS. AND BE LOCATED APPROXIMATELY AT GROUND LEVEL.

DRUMS

N.T.S.

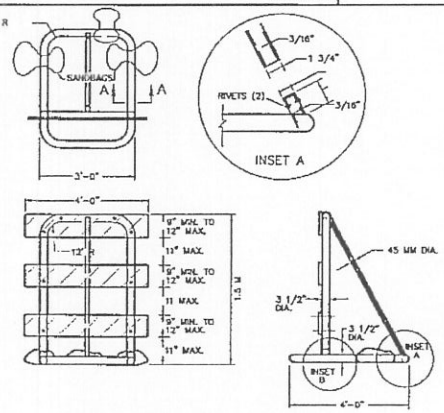
CD-617-1.2




PIPE SHALL BE WHITE PVC SCHEDULE 40 ASTM D 1785 OR PVC, SDR-26 ASTM D 2241. FITTINGS SHALL BE WHITE PVC OR ABS OF MATCHING WALL THICKNESS AND INSIDE DIAMETER AND MEETING THE MATERIALS, REQUIREMENTS AND TESTING SECTIONS OF ASTM D 2466 FOR PVC AND ASTM D 2468 FOR ABS. ALL JOINTS SHALL BE SLIP FIT AND NOT THREADED OR CEMENTED. PVC FITTINGS MEETING ASTM D 2665 WILL ALSO BE ACCEPTABLE. PVC OR ABS MATERIAL SHALL BE ULTRAVIOLET LIGHT STABILIZED.

TYPE III, PVC




THE BASE AND UPRIGHT SHALL BE 3 1/2" DIA. ROTATIONALLY MOLDED POLYETHYLENE PLASTIC CONFORMING TO ASTM D 1248-8 A3-E4. THE BRACE SHALL BE 1 3/4" DIA. EXTRUDED POLYETHYLENE PLASTIC CONFORMING TO ASTM D 1248-M A4. POLYETHYLENE PLASTIC SHALL BE WHITE AND SHALL BE ULTRA-VIOLET LIGHT STABILIZED.

TYPE III, PE

NOTES:

1. THE 8" x 48", OR 6" MIN. x 48" BARRICADE RAILS SHALL BE FABRICATED FROM 0.024" ANODIZED ALUMINUM OR 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 3" NO.14 PAN HEAD METAL SCREWS OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED.
2. ORANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, TYPE II OR III-A, AS SHOWN FOR CONSTRUCTION SIGNS.

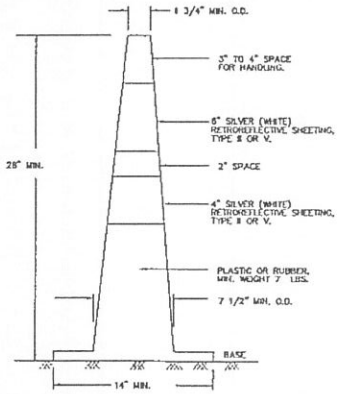
   ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 150 MM WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
3. THE 18" x 24" SANDBAGS SHALL BE FABRICATED FROM POLYPROPYLENE AND SHALL HAVE A CAPACITY OF 1 CUBIC FOOT. PLACEMENT OF SANDBAGS SHALL BE AS SHOWN ABOVE.
4. SANDBAG PLACEMENT MAY BE ADJUSTED AT THE DIRECTION OF THE ENGINEER. ALL DIMENSIONS ON FULL PIPE LENGTH.
5. EITHER TYPE III, PE OR TYPE III, PVC CAN BE USED AT THE OPTION OF THE CONTRACTOR.

BREAKAWAY BARRICADES

N.T.S.

CD-617-1.3

TRAFFIC CONES SHALL BE PREDOMINATELY ORANGE IN COLOR.




BASES MAY BE OF BREAKAWAY BALLASTED TYPE.

MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE ENGINEER.

TRAFFIC CONES

N.T.S.

CD-617-1.4

| NO. | DATE | REVISIONS | BY | CHECKED |
|---|---|---|---|---|

CITY OF HOBOKEN

CITYWIDE WAYFINDING AND FIRST STREET STREETSCAPE REVITALIZATION

CITY OF HOBOKEN HUDSON COUNTY NEW JERSEY

TRAFFIC CONTROL DEVICES


PETER F. BONDAR, P.E.
CONSULTING ENGINEER
08/06/2015
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW JERSEY LICENSE No. GE44018


DRAWING TC-2

SHEET 20 OF 20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Introduced by: _____
Seconded by: _____

10

**CITY OF HOBOKEN**
**RESOLUTION NO. :____**

**RESOLUTION AUTHORIZING A PROFESSIONAL SERVICE CONTRACT WITH FERRAIOLI, WIELKOTZ, CERULLO & CUVA FOR GENERAL MUNICIPAL AUDITING SERVICES FROM JANUARY 1, 2016 TO DECEMBER 31, 2016 IN AN AMOUNT NOT TO EXCEED $120,500.00**

**WHEREAS,** the City put out an RFP for CY2016 auditing services, pursuant to Article I of Chapter 20A of the Hoboken City Code and the State's fair and open process requirements, which the firm responded to; and,

**WHEREAS,** said service is a professional service as defined by N.J.S.A. 40A:11-1 et seq. and as such, is exempt from public bidding requirements pursuant to N.J.S.A. 40A:11-5; and,

**WHEREAS, Ferraioli, Wielkotz, Cerullo & Cuva** is hereby required to continue to abide by the "pay-to-play" requirements of the Hoboken Public Contracting Reform Ordinance, codified as §20A-11 et seq. of the Administrative Code of the City of Hoboken as well as the Affirmative Action laws and policies under which the City operates; and,

**WHEREAS,** certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that each of the following accounts in the CY2016 temporary appropriations has the amount of money herein listed for purposes of this contract:**

- 6-01-20-135-020 $85,000
- 6-01-20-130-040 $21,500
- 6-01-20-112-030 $2.500
- C-04-60-711-370 $11,500

**; and, I further certify that this commitment together with all previously made commitments and payments does not exceed the funds available in said appropriation for the CY2016 temporary appropriation; and I further certify that the funds available in the said appropriation are intended for the purpose herein committed.**

**Signed:** _____ **George DeStefano, CFO**

**NOW THEREFORE, BE IT RESOLVED,** that a contract with **Ferraioli, Wielkotz, Cerullo & Cuva** to represent the City as 2016 City Auditor be awarded, for a term to commence January 1, 2016 and expire December 31, 2016, for a total not to exceed amount of One Hundred Twenty Thousand Five Hundred Dollars ($120,500.00); and

**BE IT FURTHER RESOLVED,** the contract shall expressly state that said firm shall be obligated to provide prompt written notice to the City when its invoicing reaches 80% of the not to exceed amount, if the firm believes additional funds will be necessary, and the City shall have no liability for payment of funds in excess of the not to exceed amount; and

**BE IT FURTHER RESOLVED** that the City Council of the City of Hoboken specifically finds that compliance with Hoboken Ordinance #DR-154 (codified as §20A-4 of the Code of the City of Hoboken), and any and all state Pay to Play laws, is a continuing obligation of the contractor; and

**BE IT FURTHER RESOLVED** the City Clerk shall publish this resolution as required by law and keep a copy of the resulting contract on file in accordance with N.J.S.A. 40A:11-1 et seq.; and,

**BE IT FURTHER RESOLVED** that a certified copy of this resolution shall be provided to Mayor Dawn Zimmer and Corporation Counsel for action in accordance therewith and to take any other actions necessary to complete and realize the intent and purpose of this resolution; and,

**BE IT FURTHER RESOLVED** that this resolution shall take effect immediately.

Meeting Date: February 3, 2016

APPROVED:

Quentin Wiest
Business Administrator

APPROVED AS TO FORM:

Alysia Proko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 03 2016

James J. Farina

CITY CLERK

Batch Id: GDS Batch Date: 02/02/16 Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| 6-01-20-135-020 ANNUAL AUDIT O/E | Encumbrance | CFO Cert for meeting 02/03/16 Ferraioli | 85,000.00 | 1 |
| 6-01-20-130-040 General Consultants- Rev and Fin | Encumbrance | CFO Cert for meeting 02/03/16 Ferraioli | 21,500.00 | 2 |
| 6-01-20-112-030 Legal & Audit - BA | Encumbrance | CFO Cert for meeting 02/03/16 Ferraioli | 2,500.00 | 3 |
| C-04-60-711-370 Z149 40A:2-20 Soft Costs | Encumbrance | CFO Cert for meeting 02/03/16 Ferraioli | 11,500.00 | 4 |

WARNING: This account would have a negative balance: 6-01-20-112-030. Balance would be: 2,500.00-.

WARNING: This account would have a negative balance: 6-01-20-130-040. Balance would be: 21,500.00-.

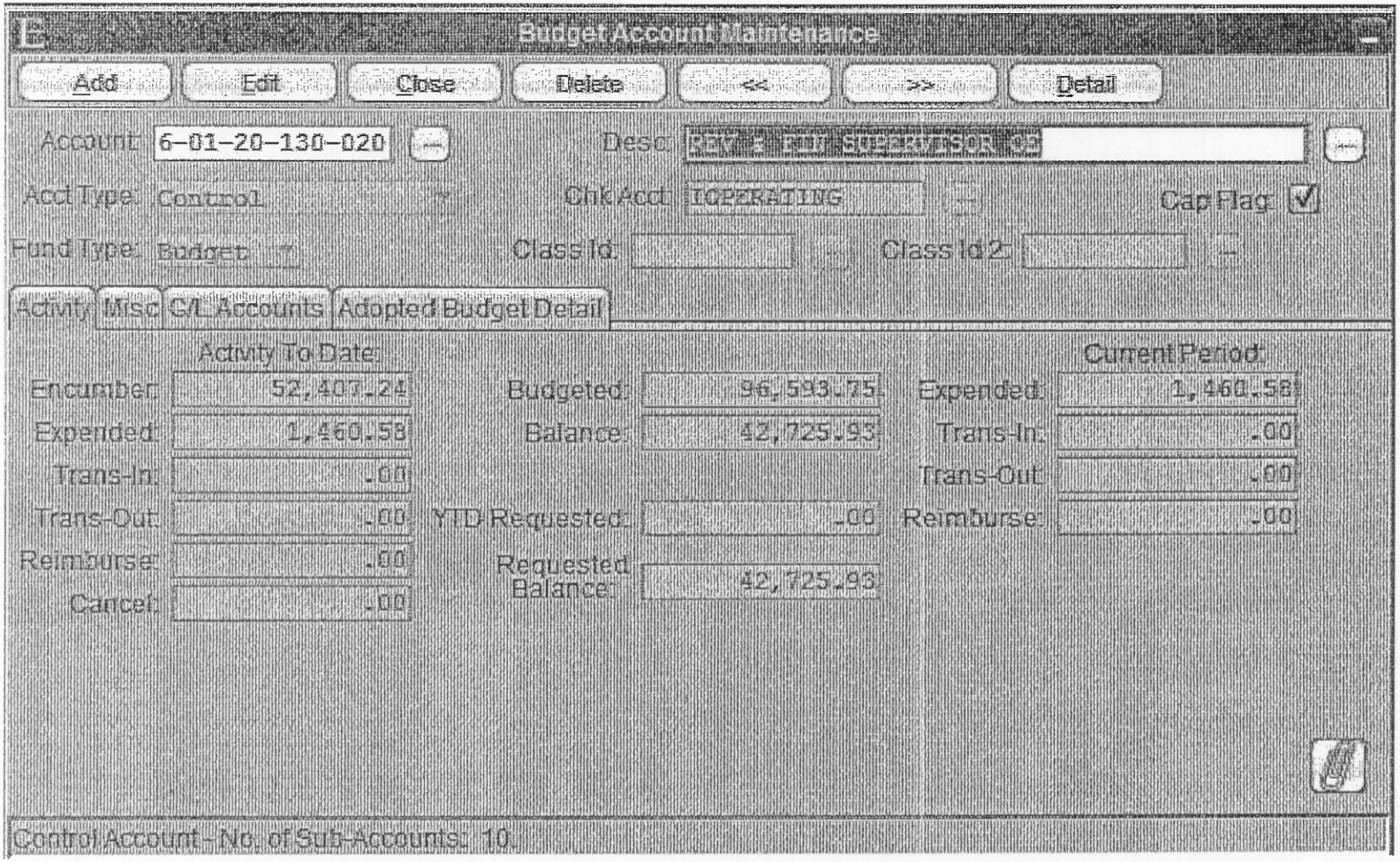
| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| CURRENT FUND | 6-01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 109,000.00 |
| | C-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11,500.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 120,500.00 |

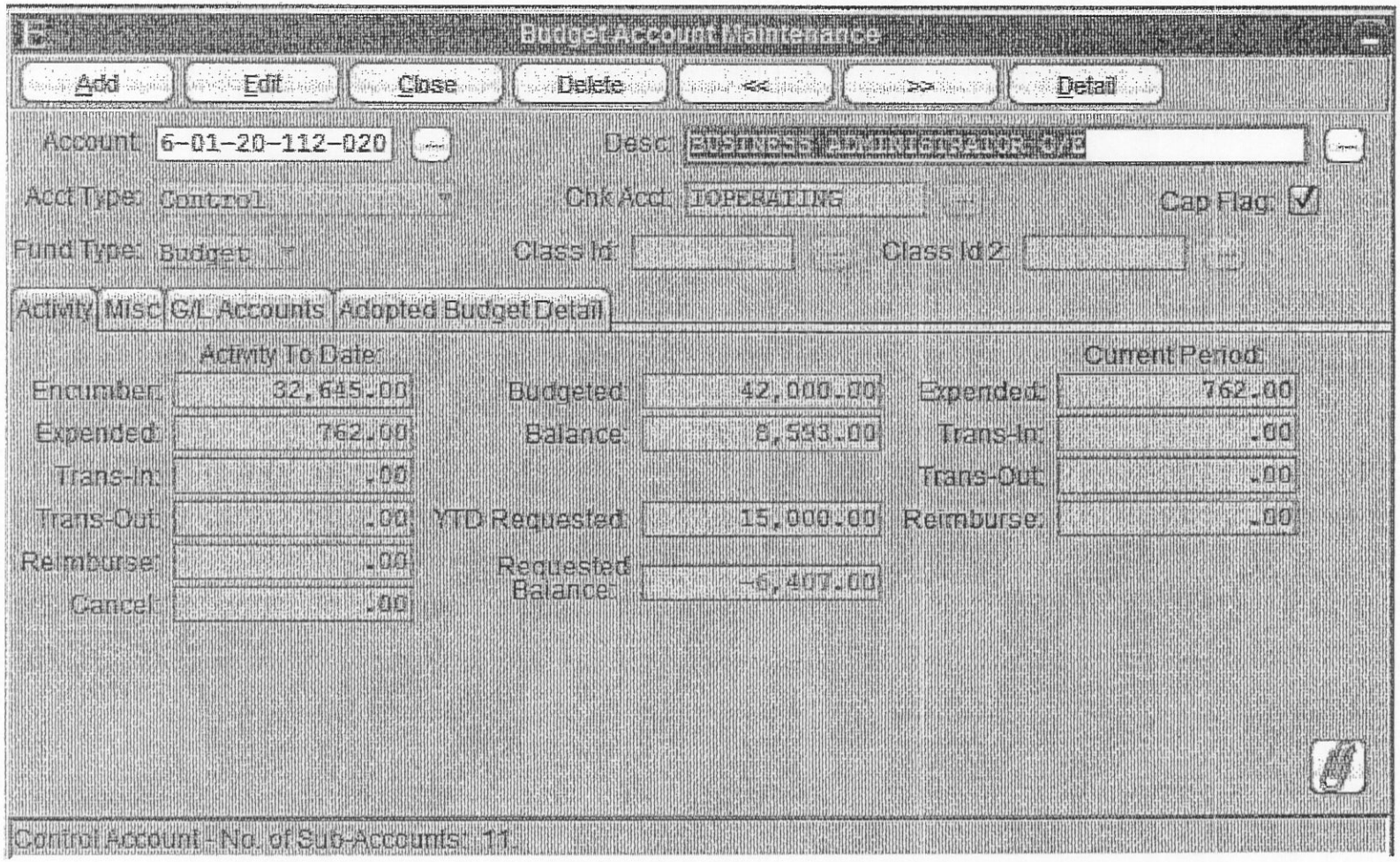
| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 4 | 120,500.00 |
| Total: | 4 | 120,500.00 |

There are warnings in this listing, but can proceed with update.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 4 | 120,500.00 |

Batch: GDS Updated Entries: 4 Updated Amount: 120,500.00 Ref Num: 3971


Budget Account Maintenance
Add
Edit
Close
Delete
<<
>>
Detail
Account: 6-01-20-130-020
Desc:
Acct Type: Control
Chk Acct: 10PERATING
Cap Flag:
Fund Type: Budget
Class Id:
Class Id 2:
Activity
Misc
G/L Accounts
Adopted Budget Detail
Activity To Date:
Current Period:
Encumber: 52,407.24
Budgeted: 96,593.75
Expended: 1,460.58
Expended: 1,460.58
Balance: 42,725.93
Trans-In: .00
Trans-In: .00
Trans-Out: .00
Trans-Out: .00
YTD Requested: .00
Reimburse: .00
Reimburse: .00
Requested Balance: 42,725.93
Cancel: .00
Control Account - No. of Sub-Accounts: 10


Budget Account Maintenance
Add
Edit
Close
Delete
<<
>>
Detail
Account: 6-01-20-112-020
Desc:
Acct Type: Control
Chk Acct: OPERATING
Cap Flag:
Fund Type: Budget
Class Id:
Class Id 2:
Activity
Misc
G/L Accounts
Adopted Budget Detail
Activity To Date:
Encumber: 32,645.00
Expended: 762.00
Trans-In: .00
Trans-Out: .00
Reimburse: .00
Cancel: .00
Budgeted: 42,000.00
Balance: 8,593.00
YTD Requested: 15,000.00
Requested Balance: -6,407.00
Current Period:
Expended: 762.00
Trans-In: .00
Trans-Out: .00
Reimburse: .00
Control Account - No. of Sub-Accounts: 11

Introduced by: _____
Seconded by: _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**THIS RESOLUTION AMENDS AND EXTENDS THE AWARD OF A CONTRACT TO ACACIA FINANCIAL FOR THE PROVISIONS OF FINANCIAL CONSULTING SERVICES FOR THE CITY IN ACCORDANCE WITH THE SPECIFICATIONS IN THE COMPETITIVE CONTRACTING RFP AND THE PRIOR CONTRACT RESOLUTIONS WITH AN INCREASE IN THE NOT TO EXCEED AMOUNT BY $32,500.00 AND FOR A PERIOD TO EXTEND THROUGH FEBRUARY 3, 2017**

**WHEREAS**, on August 15, 2012, the City authorized a pool of financial advisors who were acceptable for contracting with the City, based on proposals submitted in response to a competitive contracting RFP at that time;

**WHEREAS**, in February of 2013, the City contracted with Acacia Financial for financial advisor services, pursuant to the aforementioned pool, and thereafter extended the contract in April of 2014 and again in February 2015; and,

**WHEREAS**, in accordance with competitive contracting law, the City may contract with Acacia Financial for up to five years, and, therefore, in accordance therewith, the City wishes to further extend its contract with Acacia for an additional $32,500.00, and for an extended term to expire upon completion of this project, but in no event later than February 3, 2017, in accordance with the attached project proposal from Acacia Financial dated January 22, 2016; and,

**WHEREAS,** certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that $32,500.00 is available in the following appropriations:** $5,000.00 from P-30-60-114-200, $27,500.00 in C-04-60-710-400, in the CY2016 temporary appropriation and capital budget**; and I further certify that this commitment together with all previously made commitments does not exceed the appropriation balance available for this purpose for the CY2016 budget.**

**Signed:** _____**, George DeStefano, CFO**

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Hoboken as follows:

A. This resolution amends the contract to Acacia Financial, for an additional project based assignment which shall expire upon completion of the project, but in no event later than February 3, 2017.

B. The contract amount shall be increased in an amount not to exceed $32,500.00.

C. The Mayor or her designee is hereby authorized to take the necessary steps to enter into an amendment to the contract, as redefined by this resolution, and any other steps necessary to effectuate this resolution.

D. This resolution shall be posted and published in accordance with all applicable laws, and shall take effect immediately upon passage.

**APPROVED:**

Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**

Alysia Proko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 03 2016

CITY CLERK

ACACIA
FINANCIAL GROUP, INC.

601 Route 73 North
Suite 206
Marlton, NJ 08053
(856) 234-2266 Phone
(856) 234-6697 Fax

**VIA ELECTRONIC DELIVERY**

January 22, 2016

Mr. Quentin Wiest
Business Administrator
City of Hoboken
94 Washington Street
Hoboken, NJ 07030

Dear Mr. Wiest:

Acacia Financial Group, Inc. ("Acacia") is pleased to submit the following proposal to serve as financial advisor to the City of Hoboken (the "City"). As you are aware, Acacia's professionals had the pleasure of serving as financial advisor to the City on a variety of Bond and Note transactions since 2014. In addition, Acacia has been working with the City in connection with the development of a long-term capital plan designed to analyze the economic impact of financing the City's outstanding BANs along with other new money capital needs. The current proposed plan of finance includes the refinancing of the City's $49,463,443 Bond Anticipation Notes, including the additional funding of new ordinances (the "Notes"), through a competitive sale (the par amounts are preliminary and subject to further discussion with the City).

Below is a summary of certain of the services Acacia will provide to the City in connection with the issuance of the Notes:

- Develop the plan of finance and preparation of all financial analysis
- Create detailed analysis of all relevant financing options
- Assist with the review of existing and new ordinances to determine note sizings
- Prepare timetables and call/meeting agendas, monitor the status of issue-related activities and coordinate the activities of other professionals engaged to assist in the issuance process.
- Coordinate the rating agency process including the preparation of a rating package and participation on the rating agency call(s)
- Assist with the preparation of the preliminary and final official statements
- Advise on the preparation of the notice of sales; including recommendations on the bid specifications
- Coordination with the I-deal electronic bidding service
- Pre-marketing of the notes to ensure active participation
- Attendance at bid opening and verify all bids
- Preparation of final numbers
- Review of all closing documents; preparation of the closing and wiring memorandum

**Fee Proposal - Note Financing:**
Acacia proposes to be compensated a fee of $25,000 for financial advisory services provided to the City in connection with the competitive sale of bond anticipation notes as identified above.

**Fee Proposal - NJEIT Financings:**
For services rendered to the City in connection with issuances the issuance of bonds or notes through the New Jersey Environmental Infrastructure Trust Program, Acacia proposes a fee of $7,500.

**Fee Proposal – General Consulting:**

For general consulting services provided on projects, other than the sale of bonds or notes, Acacia proposes that compensation be based upon the hourly rates established below.

**Hourly Rates**

| | |
|---|---|
| 1. Co-President | $195.00/hr. |
| 2. Managing Director | $185.00/hr. |
| 3. Senior Vice President/Vice President | $175.00/hr. |
| 4. Assistant Vice President/Associate | $165.00/hr. |
| 5. Analyst | $150.00/hr. |
| 6. Administrative | $ 50.00/hr. |

**Acacia will only perform tasks at the direction of the City and will submit detailed, itemized invoices on a monthly basis.**

Finally, Acacia proposes to be reimbursed for the following reasonable expenses incurred in providing the services set forth herein at rates which are approved upon submission of appropriate invoices: travel, postage, photocopies, telecopies and telephone.

Thank you for considering our proposal and please do not hesitate to contact me with any questions.

Sincerely,

Joshua C. Nyikita,
Managing Director

Accepted by:

_____

_____
The City of Hoboken

Batch Id: GDS  Batch Date: 02/02/16  Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| P-30-60-114-200<br>2014 Multi Meter Z-313 Soft Costs | Encumbrance | CFO Cert for meeting 02/03/16 ACACIA | 5,000.00 | 1 |
| C-04-60-710-400<br>Z-40 Gar Purch 40A:2-20 Costs $350,180 | Encumbrance | CFO Cert for meeting 02/03/16 ACACIA | 27,500.00 | 2 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| | C-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27,500.00 |
| | P-30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5,000.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32,500.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 2 | 32,500.00 |
| Total: | 2 | 32,500.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 2 | 32,500.00 |

Batch: GDS Updated Entries: 2 Updated Amount: 32,500.00 Ref Num: 3972

Introduced by: _____
Seconded by: _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION AWARDING A CONTRACT TO NEW JERSEY FIRE EQUIPMENT CO. TO PURCHASE FORTY EIGHT (48) SCOTT AIR-PAK CYLINDERS FOR THE HOBOKEN FIRE DEPARTMENT IN ACCORDANCE WITH NJ STATE CONTRACT T0790/A80961 IN THE TOTAL AMOUNT NOT TO EXCEED $57,216.00**

**WHEREAS**, the City of Hoboken requires Scott Air-Pak cylinders for the Fire Department; and,

**WHEREAS**, the Administration intends to use New Jersey Fire Equipment Co. using their NJ state contract #T0790/A80961, for said goods and provisions; and,

**WHEREAS**, in accordance with the direction of the Administration, the City Council is asked to award a contract to purchase Scott Air-Pak cylinders for the Fire Department to New Jersey Fire Equipment Co. for a not to exceed total contract amount of Fifty Seven Thousand Two Hundred Sixteen Dollars ($57,216.00), for goods and services as described in the attached proposal from New Jersey Fire Equipment Co. dated January 12, 2016; and,

**WHEREAS,** certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that $57,216.00 is available in the following appropriations: G-02-25-115-012 and I further certify that this commitment together with all previously made commitments does not exceed the appropriation balance for this purpose.**

**Signed: _____, George DeStefano, CFO**

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Hoboken that a contract with the below listed vendor is awarded for an amount not to exceed Fifty Seven Thousand Two Hundred Sixteen Dollars ($57,216.00), for goods and services as described in the attached proposal from New Jersey Fire Equipment Co. dated January 12, 2016; and,

1. The above recitals are incorporated herein as though fully set forth at length.
2. The terms of the attached proposal shall govern the contract, and no changes may be made without the prior written consent of both parties.
3. Any change orders which shall become necessary shall be subject to the City's ability to appropriate sufficient funds, which appropriation shall be at the sole discretion of the City Council.
4. This agreement shall be subject to a standard non-appropriation clause in favor of the City of Hoboken
5. The Council hereby authorizes the Mayor, or her designee to execute any and all documents and take any and all actions necessary to complete and realize the intent and purpose of this resolution.
6. The agreement for the above referenced goods and/or services is awarded to the following:

New Jersey Fire Equipment Co.
119-131 Route 22 east
Green Brook, NJ 08812

**Meeting date: February 3, 2016**

**APPROVED:**

Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**

Alysia Proko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 0 3 2016

CITY CLERK

Batch Id: GDS  Batch Date: 02/02/16  Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| G-02-25-115-012<br>FEMA Assistance FF CY2015 | Encumbrance | CFO Cert for meeting 02/03/16 NJ Fire | 57,216.00 | 1 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| GRANT FUND | G-02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57,216.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57,216.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 1 | 57,216.00 |
| Total: | 1 | 57,216.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 1 | 57,216.00 |

Batch: GDS Updated Entries: 1 Updated Amount: 57,216.00 Ref Num: 3968

INTRODUCED BY: _____
SECONDED BY: _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION AWARDING A PROFESSIONAL SERVICE CONTRACT TO BOSWELL ENGINEERING FOR CITY ENGINEER (ON-CALL) IN AN AMOUNT NOT TO EXCEED FORTY THOUSAND DOLLARS ($40,000.00) FOR A ONE YEAR TERM TO COMMENCE JANUARY 1, 2016 AND EXPIRE DECEMBER 31, 2016**

**WHEREAS**, the City of Hoboken published RFP's for general municipal engineering services; and,

**WHEREAS**, the Administration evaluated the proposal provided in response to said RFP, and the Administration thereafter determined that Boswell Engineering qualified as a pool engineer to provide the City with the most effective and efficient City Engineering services for the 2016 calendar year; and,

**WHEREAS**, in accordance with the direction of the Administration, the City Council is now asked to award a contract to Boswell Engineering for the City's General Engineering On-Call services for a total contract amount of Forty Thousand Dollars ($40,000.00), with a one (1) year term to commence on January 1, 2016 and expire December 31, 2016; and,

**WHEREAS**, certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that $40,000.00 is available in the following line: 6-01-31-461-000 of the CY2016 temporary appropriation; and I further certify that this commitment together with all previously made commitments and payments does not exceed the funds available in said appropriation for the CY2016 temporary appropriations; and I further certify that the funds available in the said appropriation are intended for the purpose herein committed.**

**Signed:** _____ **George DeStefano, CFO**

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Hoboken that a contract with the below listed vendor is awarded for an amount not to exceed Forty Thousand Dollars ($40,000.00), with a one (1) year term to commence on January 1, 2016, and expire December 31, 2016, for services as General Municipal Engineer On Call, as follows:

1. The above recitals are incorporated herein as though fully set forth at length.
2. The terms of the RFP and Boswell's responsive proposal shall govern the contract, and no changes may be made without the prior written consent of both parties.
3. The Administration shall be entitled, under this award, to utilize the firm on an as needed basis, for any projects which require engineering assistance. This award is not project based, and the contract amounts hereunder are a retainer only, and no actual amount of work is suggested or implied.

4. Any change orders which shall become necessary shall be subject to the City's ability to appropriate sufficient funds, which appropriation shall be at the sole discretion of the City Council.
5. The Council hereby authorizes the Mayor, or her designee to execute any and all documents and take any and all actions necessary to complete and realize the intent and purpose of this resolution.
6. The Mayor, or her designee is hereby authorized to execute an agreement, for the above referenced goods and/or services based upon the following information:

Boswell Engineering
South Hackensack, New Jersey

**Meeting Date: February 3, 2016**

**APPROVED:**
Quentin Wiest
Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**
Alysia Proko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 03 2016

James J. Farina

CITY CLERK

Batch Id: GDS  Batch Date: 02/02/16  Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| 6-01-31-461-000 Engineering | Encumbrance | CFO Cert for meeting 02/03/16 Boswell | 40,000.00 | 1 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| CURRENT FUND | 6-01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40,000.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40,000.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 1 | 40,000.00 |
| Total: | 1 | 40,000.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 1 | 40,000.00 |

Batch: GDS Updated Entries: 1 Updated Amount: 40,000.00 Ref Num: 3967

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INTRODUCED BY: _____
SECONDED BY: _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION AWARDING A CHANGE ORDER TO THE CONTRACT TO ABSOLUTE FIRE PROTECTION TO PURCHASE ONE (1) FIRE APPARATUS (E-ONE CYCLONE II) , AS CHANGE ORDER NUMBER 2, IN AN INCREASED AMOUNT NOT TO EXCEED $10,373.00 (=1.76% INCREASE) FOR A TOTAL NOT TO EXCEED AMOUNT OF $602,844.00**

**WHEREAS**, the City of Hoboken requires additional unforeseen goods and services under the contract to purchase one (1) Fire Apparatus (e-One Cyclone II) from Absolute Fire Protection; and,

**WHEREAS**, the Administration intends to continue to use Absolute Fire Protection for said services and provisions; and,

**WHEREAS**, in accordance with the direction of the Administration, the City Council is asked to award a change order (#2) to the contract to purchase one (1) Fire Apparatus (E-One Cyclone II) to Absolute Fire Protection for a total increase in the contract amount by Ten Thousand Three Hundred Seventy Nine Dollars ($10,379.00), for a total not to exceed amount of Six Hundred Two Thousand Eight Hundred Forty Four Dollars (**$602,844.00**) of which the change order (#2) to the contract shall be for purchases and modifications in accordance with the proposal provided by the vendor, attached hereto; and,

**WHEREAS**, certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that $10,379.00 is available in the following appropriations: C-04-60-715-212 in the CY2016 budget; and I further certify that this commitment together with all previously made commitments and payments does not exceed the funds available in said appropriation for the CY2016; and I further certify that the funds available in the said appropriation are intended for the purpose herein committed.**

**Signed: _____ George DeStefano, CFO**

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Hoboken that a change order, known as Change Order #2, be authorized for the contract to purchase one (1) Fire Apparatus (E-One Cyclone II) to Absolute Fire Protection for a total increase in the contract amount by Ten Thousand Three Hundred Seventy Nine Dollars ($10,379.00), for a total not to exceed amount of Six Hundred Two Thousand Eight Hundred Forty Four Dollars (**$602,844.00**) of which the change order (#2) to the contract shall be for purchases and modifications in accordance with the proposal provided by the vendor and attached hereto; and,

1. The above recitals are incorporated herein as though fully set forth at length.
2. The terms of the referenced proposals shall govern the contract, and no changes may be made without the prior written consent of both parties.
3. Any change orders which shall become necessary hereafter shall be subject to the City's ability to appropriate sufficient funds, which appropriation shall be at the sole discretion of the City Council.
4. The Council hereby authorizes the Mayor, or her designee to execute any and all documents and take any and all actions necessary to complete and realize the intent and purpose of this resolution.

5. Said change order is authorized for the above referenced goods and/or services to the following vendor:

Absolute Fire Protection
P.O. Box 497
2800 Hamilton Boulevard
South Plainfield, NJ 07080-0497

**Meeting Date: February 3, 2015**

**APPROVED:**

Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**

Alysia Proko, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 03 2016

CITY CLERK

# Pre-Build Change Order Documentation

S.O. # and Unit Type: **Metro 110' Ladder**

Customer: **Hoboken, NJ**

Dealer: **Absolute Fire**

## Summary of Pre-build Changes:

| QTY | DESCRIPTION | UNIT PRICE | TOTAL |
|---|---|---|---|
| 1 | Scuff Plates for door handles, cab, stainless | $ 112.00 | $ 112.00 |
| 1 | Upgrade cab door reflective to Reflexite | $ 275.00 | $ 275.00 |
| 1 | Upgrade to Clip type SCBA brackets | $ 100.00 | $ 100.00 |
| -1 | Delete cab storage box shelves and tracks | $ 200.00 | $ (200.00) |
| 1 | Add Refexite Chevron to front bumper | $ 875.00 | $ 875.00 |
| 1 | Upgrade rear body reflective to Reflexite | $ 1,839.00 | $ 1,839.00 |
| -1 | Delete siren switch on officer side dash | $ 75.00 | $ (75.00) |
| 1 | Add Nylatron to L2 Compartment Floor (Easy Slide) | $ 574.00 | $ 574.00 |
| 1 | Upgrade front turn signals to Quadraflare LEDs | $ 275.00 | $ 275.00 |
| -2 | Delete SCBA storage tubes, in compartment | $ 120.00 | $ (240.00) |
| 1 | Change Ladder Tunnel to Hold D-handle hooks | $ 615.00 | $ 615.00 |
| 1 | Add Chevron to the tip of the aerial | $ 685.00 | $ 685.00 |
| 1 | Below Bench Storage with cargo netting sides | $ 739.00 | $ 739.00 |
| 1 | Upgrade map box to split storage | $ 145.00 | $ 145.00 |
| | | | $ - |
| | | | $ - |
| 1 | Change to Higher Front Axle rating (19,840lbs.) **No Charge** | | $ - |
| 1 | Upgrade to Quadraflare LED Stop, Tail, Turn LED lights **No Charge** | | $ - |
| 1 | Decklight wiring added for reverse circuit **No Charge** | | $ - |
| 1 | Add Chevron to the tip of the aerial | $ 685.00 | $ 685.00 |
| | | | $ - |
| | | | $ - |
| | | | $ - |
| | Add Q-Siren, Center Mounted flush in front bumper | | $ - |
| 1 | Comes with Driver foot switch, officer switch, and aux brake | $ 3,975.00 | $ 3,975.00 |
| | | | $ - |
| | | | $ - |

Approval to Proceed / Authorized Signatures:

**TOTAL PRE-BUILD** **$ 10,379.00**

Batch Id: GDS Batch Date: 02/02/16 Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| C-04-60-715-212<br>Z-361 Acquisition Fire Ladder Truck | Encumbrance | CFO Cert for meeting 02/03/16 Absolute | 10,379.00 | 1 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| | C-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10,379.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10,379.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 1 | 10,379.00 |
| Total: | 1 | 10,379.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 1 | 10,379.00 |

Batch: GDS Updated Entries: 1 Updated Amount: 10,379.00 Ref Num: 3966

INTRODUCED BY: _____

SECONDED BY: _____

15

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION AWARDING A PROFESSIONAL SERVICE CONTRACT TO EXCEL ENVIRONMENTAL FOR CITY ENVIRONMENTAL ENGINEERING SERVICES FOR BLOCK 9, LOT 7 AND BLOCK 10, LOTS 1-7, (*COMMONLY KNOWN AS 88 MARSHALL STREET AND 51 MARSHALL STREET*) IN AN AMOUNT NOT TO EXCEED TWENTY TWO THOUSAND ONE HUNDRED THIRTY FIVE DOLLARS ($22,135.00) FOR A ONE YEAR TERM TO COMMENCE FEBRUARY 3, 2016 AND EXPIRE FEBRUARY 2, 2017**

**WHEREAS**, the City of Hoboken published RFP's for general municipal engineering, and related services, including environmental engineering services; and,

**WHEREAS**, the Administration evaluated the proposals provided in response to said RFP, and the Administration thereafter determined that Excel Environmental qualified as a pool LSRP firm to provide the City with the most effective and efficient City engineering (including environmental) services for the 2016 calendar year; and,

**WHEREAS**, in accordance with the direction of the Administration, the City Council is now asked to award a contract to Excel Environmental for the City's environmental engineering services for **Block 9, Lot 7 and Block 10, Lots 1-7** for a total contract amount of Twenty Two Thousand One Hundred Thirty Five Dollars ($22,135.00), with a one (1) year term to commence on February 3, 2016 and expire February 2, 2017, in accordance with the present proposal of Excel Environmental as well as the CY2016 general engineering (and environmental) RFP and their responsive proposal; and,

**WHEREAS,** certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that** $22,135.00 **is available in the following capital appropriation** C-04-60-711-120 **of the City's capital funds; and I further certify that this commitment together with all previously made commitments and payments does not exceed the funds available in said appropriation for the City's budget; and I further certify that the funds available in the said appropriation are intended for the purpose herein committed.**

**Signed: _____, George DeStefano, CFO**

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Hoboken that a contract with the below listed vendor is awarded for the City's environmental engineering services for Block 9, Lot 7 and Block 10, Lots 1-7 for a total contract amount of Twenty Two Thousand One Hundred Thirty Five Dollars ($22,135.00), with a one (1) year term to commence on February 3, 2016 and expire February 2, 2017, in accordance with the present proposal of Excel Environmental as well as the CY2016 general engineering (and environmental) RFP and their responsive proposal, as follows:

1

2. The terms of the RFP and Excel Environmental' s responsive proposal shall govern the contract, and no changes may be made without the prior written consent of both parties.
3. Any change orders which shall become necessary shall be subject to the City's ability to appropriate sufficient funds, which appropriation shall be at the sole discretion of the City Council.
4. The Council hereby authorizes the Mayor, or her designee to execute any and all documents and take any and all actions necessary to complete and realize the intent and purpose of this resolution.
5. The Mayor, or her designee is hereby authorized to execute an agreement, for the above referenced goods and/or services based upon the following information:

Excel Environmental
111 North Center Drive
North Brunswick, NJ 08902

**Meeting Date: February 3, 2016**

**APPROVED:**

Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**

Alysia Moro, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 0 3 2016

CITY CLERK

EXCEL
Environmental
Resources, Inc.

*Solving Environmental Problems*
*& Creating Redevelopment Opportunities*

January 28, 2016

Mr. Stephen Marks, PP, AICP, CFM, LEED GA
Municipal Manager
Hoboken City Hall
94 Washington Street
Hoboken, NJ 07030

**RE: Proposal for Preparation NJEIT Environmental Assessment**
**Level 1 Environmental Planning Document, Property Survey (optional) and Cultural Resources Survey**
**Block 9, Lot 7 and Block 10, Lots 1-7 and 30-37**
**City of Hoboken, Hudson County, New Jersey**
**Excel Proposal No. P16376**

Dear Mr. Marks:

Excel Environmental Resources, Inc. (Excel) is pleased to present this proposal to provide professional engineering services for the preparation a Level 1 Environmental Planning (Level 1) document per the requirements set forth in N.J.A.C. 7:22-10.4. The level of environmental review is based upon a description of the proposed project, the environmental infrastructure needs, the environmental infrastructure alternatives to be considered, and an appraisal of potential beneficial and adverse environmental and cultural resource impacts of the alternatives. Note that an optional line item for a property and topographic survey of the Site is also included for the City's consideration.

The scope of work also includes completion of a Stage 1A Cultural Resources Survey. The purpose of the Stage IA cultural resources survey is to determine the potential for significant archaeological sites within the limits of disturbance for the proposed undertaking. Excel understands that the project will be funded by the New Jersey Environmental Infrastructure Trust (NJEIT). The Stage IA cultural resources survey will determine if the proposed project will have an effect on previously unidentified archaeological sites or other significant cultural resources. As such, the Stage IA cultural resources survey will comply with N.J.A.C. 7:22-10:8 and all requirements of the New Jersey Department of Environmental Protection (NJDEP) for such studies.

To complete the scope of services, Excel will subcontract the services of Engineering & Land Planning, Inc. (E&LP) and RGA, Inc. (RGA).

## SCOPE OF SERVICES

### 1.0 Preparation of Level 1 Environmental Planning Document:

Excel and E&LP will prepare one Level I Environmental Planning Document that will be of sufficient scope to permit the NJDEP/NJEIT to verify the preliminary determination to proceed with this level of review. Information that will be provided in the environmental planning document include the following Level 1 Environmental Review Requirements:

1. A brief description of the need for the proposed activity, the nature and location of any structures to be built, and a map of the service area of the affected environmental infrastructure facilities;
2. A suitable 8½ inch by 11 inch map of the planning area which depicts the location of the proposed activity and proposed construction where appropriate based on the type of project proposed;
3. A narrative describing the extent of beneficial and adverse impact on environmental or cultural resource features that can be expected as a result of implementing the proposed project and basis for concluding that the proposed project qualifies for a Level 1 environmental review in accordance with (a) and (b) above;
4. A summary of alternatives available, including, at a minimum, the no action alternative, and the basis for selecting the proposed action. For wastewater treatment, water supply and stormwater management facilities permitted as a municipal separate storm sewer system, the selected plan must be the most cost effective, environmentally sound alternative which will address the water quality or water supply need which has been identified and which is implementable (for other environmental infrastructure facilities, the provisions with respect to cost effectiveness are not applicable). The basis discussion must include the project costs, user costs, environmental impacts and effectiveness of the proposed alternatives relative to addressing the identified water quality or water supply need as compared with other alternatives considered; and
5. A summary of the involvement of the public in the development and selection of the proposed project.

For the City's consideration, a line item is included for a boundary and topographic survey of Block 9, Lot 7 and Block 10, Lots 1-7, 30-37 for the project. For purposes of this proposal, Excel assumes a title report for the property will be provided by the City of Hoboken. If a title report is not available, we can obtain a report for an additional fee.

## 2.0 Stage 1A Cultural Resources Survey:

Excel and RGA, Inc. (RGA) will prepare one Stage IA Cultural Resources Survey for the referenced properties. The Stage IA cultural resources survey will comply with N.J.A.C. 7:22-10:8 and all requirements of the NJDEP for such studies. The results of the survey will be presented in a report that meets the archaeological survey and reporting guidelines of the NJDEP. The archaeologist (Principal Investigator) supervising the project will meet the Secretary of the Interior's Professional Qualifications Standards for Archaeology (36 CFR Part 61).

The following tasks will be accomplished for the Stage IA cultural resources survey:

- Background research to identify archaeological sites in the project area and vicinity (1.0 mile radius) at the New Jersey Historic Preservation Office, New Jersey State Museum, and regional and local repositories.
- A review of historic maps, atlases and documents at the New Jersey State Library and regional and local repositories.
- A review of existing environmental conditions and landscape modifications within the project area which could affect the preservation of historic and prehistoric archaeological resources.
- A site visit/visual inspection of the project area by the project archaeologist to document existing conditions and ground disturbance (permission to access the property is required).
- An assessment of potential for significant historic and prehistoric resources.
- An assessment of project effects on areas with potential for significant historic and prehistoric archaeological resources, if any.
- The preparation of a report detailing the results of the Stage IA cultural resources survey that will include management recommendations regarding the need for a further cultural resources survey (i.e. Stage IB cultural resources survey), if necessary.

A draft Stage IA cultural resources survey report will be completed for the City's review and comment and five (5) copies of the final report, three (3) with digital photographs presented on a CD, will be produced at the conclusion of the survey for submission to the NJDEP. If necessary based on the findings of the Stage 1A Survey, a Stage IB cultural resources survey or historic architectural survey would require an additional scope of work and budget.

**FEES FOR SERVICE**

Professional services to perform the above-described scope of work is summarized below:

| | | |
|---|---|---|
| **1.0** | **Level 1 Environmental Planning Document** | **$6,860** |
| **2.0** | **Property and Topographic Survey *(Optional)*** | **$6,490** |
| **3.0** | **Stage 1A Cultural Resources Survey** | **$8,785** |

The total estimated Not-to-Exceed cost to complete the scope of work is **$22,135.**

**TERMS AND CONDITIONS**

Note that should less time and/or effort be required to complete the work scope, Excel will only bill for the actual hours expended and costs incurred. We will not exceed this cost estimate without advance written authorization in the form of a signed Extension of Services or other acceptable documentation. This proposal is valid for a period of 60 days from the date of the proposal.

The work outlined in this proposal will be conducted in accordance with the terms set forth in the Agreement executed by Excel and the City.

**SCHEDULE/TIMELINE**

Excel will work with the City regarding any comments and revisions of the documents for submission to the NJDEP/NJEIT. We are prepared to proceed with the work immediately upon receipt of authorization to proceed. Upon authorization, Excel can deliver the Level 1 Environmental Planning Document and Stage 1A Cultural Resources Survey Report within 4 to 6 weeks upon authorization to proceed.

Thank you for the opportunity to assist you with this project. Please feel free to contact me or Ron Harwood at (732) 545-9525 if you have any questions regarding this proposal or if you need any additional information.

Sincerely,

**EXCEL ENVIRONMENTAL RESOURCES, INC.**

Michael J. Meriney, P.G., LSRP
Vice President/Investigation Services

Batch Id: GDS  Batch Date: 02/02/16  Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| C-04-60-711-120<br>Parks Acq Ord Z-94 40A:2-20 Cost | Encumbrance | CFO Cert for meeting 02/03/16 Excel Envi | 22,135.00 | 1 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| | C-04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22,135.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22,135.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 1 | 22,135.00 |
| Total: | 1 | 22,135.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 1 | 22,135.00 |

Batch: GDS Updated Entries: 1 Updated Amount: 22,135.00 Ref Num: 3965

INTRODUCED BY: _____
SECONDED BY: _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION AWARDING A PROFESSIONAL SERVICE CONTRACT TO EXCEL ENVIRONMENTAL FOR CITY ENVIRONMENTAL ENGINEERING SERVICES FOR BLOCK 9, LOT 7 AND BLOCK 10, LOTS 1-7, IN AN AMOUNT NOT TO EXCEED TWENTY TWO THOUSAND ONE HUNDRED THIRTY FIVE DOLLARS ($22,135.00) FOR A ONE YEAR TERM TO COMMENCE FEBRUARY 3, 2016 AND EXPIRE FEBRUARY 2, 2017**

**WHEREAS**, the City of Hoboken published RFP's for general municipal engineering, and related services, including environmental engineering services; and,

**WHEREAS**, the Administration evaluated the proposals provided in response to said RFP, and the Administration thereafter determined that Excel Environmental qualified as a pool LSRP firm to provide the City with the most effective and efficient City engineering (including environmental) services for the 2016 calendar year; and,

**WHEREAS**, in accordance with the direction of the Administration, the City Council is now asked to award a contract to Excel Environmental for the City's environmental engineering services for **Block 9, Lot 7 and Block 10, Lots 1-7** for a total contract amount of Twenty Two Thousand One Hundred Thirty Five Dollars ($22,135.00), with a one (1) year term to commence on February 3, 2016 and expire February 2, 2017, in accordance with the present proposal of Excel Environmental as well as the CY2016 general engineering (and environmental) RFP and their responsive proposal; and,

**WHEREAS**, certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that** $22,135.00 **is available in the following capital appropriation** C-04-60-711-120 **of the City's capital funds; and I further certify that this commitment together with all previously made commitments and payments does not exceed the funds available in said appropriation for the City's budget; and I further certify that the funds available in the said appropriation are intended for the purpose herein committed.**

**Signed:** _____ **George DeStefano, CFO**

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Hoboken that a contract with the below listed vendor is awarded for the City's environmental engineering services for Block 9, Lot 7 and Block 10, Lots 1-7 for a total contract amount of Twenty Two Thousand One Hundred Thirty Five Dollars ($22,135.00), with a one (1) year term to commence on February 3, 2016 and expire February 2, 2017, in accordance with the present proposal of Excel Environmental as well as the CY2016 general engineering (and environmental) RFP and their responsive proposal, as follows:

1. The above recitals are incorporated herein as though fully set forth at length.

INTRODUCED BY: _____
SECONDED BY: _____

**CITY OF HOBOKEN**
**RESOLUTION NO. _____**

**RESOLUTION AWARDING A PROFESSIONAL SERVICE CONTRACT TO T&M ASSOCIATES FOR POLICE DEPARTMENT HVAC SYSTEM ENGINEERING ASSESSMENT IN AN AMOUNT NOT TO EXCEED EIGHTEEN THOUSAND FIVE HUNDRED DOLLARS ($18,500.00) FOR A ONE YEAR TERM TO COMMENCE FEBRUARY 4, 2016 AND EXPIRE FEBRUARY 3, 2017**

**WHEREAS**, the City of Hoboken published its annual CY2016 RFP for general municipal engineering services; and,

**WHEREAS**, the Administration evaluated the proposal provided in response to said RFP, and the Administration thereafter determined that T&M Associates qualified as a pool engineer to provide the City with the most effective and efficient Mechanical Engineering services for the 2016 calendar year; and,

**WHEREAS**, in accordance with the direction of the Administration, the City Council is now asked to award a contract to T&M Associates for the Police Department HVAC System Assessment services for a total contract amount of Eighteen Thousand Five Hundred Dollars ($18,500.00), with a one (1) year term to commence on February 4, 2016 and expire February 3, 2017; and,

**WHEREAS**, certification of funds is available as follows:

**I, George DeStefano, Chief Financial Officer of the City of Hoboken, hereby certify that $18,500.00 is available in the following line: 6-01-31-461-000 of the CY2016 temporary appropriation; and I further certify that this commitment together with all previously made commitments and payments does not exceed the funds available in said appropriation for the CY2016 temporary appropriations; and I further certify that the funds available in the said appropriation are intended for the purpose herein committed.**

**Signed: _____, George DeStefano, CFO**

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Hoboken that a contract with the below listed vendor is awarded for an amount not to exceed Eighteen Thousand Five Hundred Dollars ($18,500.00), with a one (1) year term to commence on February 4, 2016, and expire February 3, 2017, for Police Department HVAC System Engineering Assessment services, as follows:

1. The above recitals are incorporated herein as though fully set forth at length.
2. The terms of the RFP and T&M's responsive proposal shall govern the contract, and no changes may be made without the prior written consent of both parties.
3. Any change orders which shall become necessary shall be subject to the City's ability to appropriate sufficient funds, which appropriation shall be at the sole

discretion of the City Council.

4. The Council hereby authorizes the Mayor, or her designee to execute any and all documents and take any and all actions necessary to complete and realize the intent and purpose of this resolution.

5. The Mayor, or her designee is hereby authorized to execute an agreement, for the above referenced goods and/or services based upon the following information:

T&M Associates
Middletown, New Jersey

**Meeting Date: February 3, 2016**

**APPROVED:**

Quentin Wiest
Quentin Wiest
Business Administrator

**APPROVED AS TO FORM:**

Alysia Polico, Esq.
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos, Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jennifer Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 03 2016

James J. Farina

CITY CLERK

YOUR GOALS. OUR MISSION.

HOBKOH-15002

January 28, 2016
Via e-mail: qwiest@hobokennj.gov

Mr. Quentin Wiest
Business Administrator
City of Hoboken
94 Washington Street
Hoboken, NJ 07030

**Re: Professional Services Proposal**
**Hoboken Police Station**
**Hoboken Police Department HVAC System Engineering Assessment**

Dear Mr. Wiest:

Per your request and our detailed discussions the past two weeks, we have prepared our revised Professional Services Proposal for the review of HVAC Systems for the Hoboken Police Station. We understand the importance of successful implementation of this endeavor, and we are prepared to assist you with this project to make it a success.

## PROJECT UNDERSTANDING

We understand that the Police Station (Facility) is experiencing problems with the performance of their HVAC systems (systems) related to both heating and cooling. We understand the Police Station improvements proposed in the past, which included the replacement of hot water boilers, rooftop air conditioning units and other HVAC related modifications and upgrades, were implemented or partially implemented in the 2012 timeframe. We further understand the bid plans prepared by Boswell McClave Engineering dated March 7, 2012 are available.

Per our discussion and as we understand it, the purpose for this limited Engineering Assessment is to:

1. Review the current systems in place now;
2. Solicit feedback from building occupants and the current servicing company;
3. Review available drawings and prepare a one-line type diagram of the systems;
4. Make recommendations for either further evaluation and/or proposed improvements based upon our findings.

Based upon our understanding and discussion, we have prepared the following detailed Scope of Services:

## SCOPE OF SERVICES

### Phase I – Limited Engineering Assessment of the Facility

The following Scope of Services is proposed:

1. Meet with City and Police Station personnel to kick off the project, discuss operations and maintenance, and review issues and concerns;
2. Review maintenance records and any available logs associated with equipment trouble including talking with the maintenance company;

3. Visit the Facilities to review existing, installed conditions and to verify the building layout and envelope for HVAC load requirements and existing utility capacity;
4. Create a one-line diagram of the systems to help identify what exists which can be used for future improvements;
5. Perform computerized load calculations to verify the required capacity of new HVAC systems;
6. Review drawings prepared by others that may assist with our own Engineering Assessment.
7. Perform an Engineering Assessment, in writing, of the identified equipment:
    a. Summarize comments received during our meeting;
    b. Model the Facilities and perform load calculations;
    c. Evaluate mechanical equipment for proper type and size;
    d. Provide comments on further potential improvements and/or analysis required to diagnose the issues;
    e. Recommend follow up activities to correct issues discovered.

## ITEMS TO BE PROVIDED BY THE CITY

1. Access to site, as and when required.
2. City personnel will provide all information in its possession, custody, or control, which may relate to the services to be performed to enable T&M Associates to complete the above-noted services. Copies of plans for existing facilities, including a site plan for our use, if available shall be provided.
3. City to provide ladder/lift and someone to remove ceiling tiles for access where needed to perform our site visit.

## EXCLUSIONS AND CLARIFICATIONS

1. This proposal is limited to the tasks identified herein and does not include the design of any new improvements. All work outside the scope mentioned above is specifically excluded;
2. Correction of any existing code violation(s) outside the scope of work identified in the Project Understanding. It is understood that the purpose of this project is not to identify all code deficiencies at the facility, however if we observe existing code deficiencies during the performance of our services, we will notify you accordingly;
3. Commissioning and/or Retro Commissioning, testing and balancing, etc. is excluded;
4. Architectural services;

## SCHEDULE

We understand the goal is to complete this project as soon as possible and, as such, we will make this project our priority at T&M.

## SCHEDULE OF FEES

Our fee associated with all professional services described in the Scope of Services will be compensated for on a time and expenses based at a not to exceed price of **$18.500**. Our fees shall be based upon agreed upon fees in place with the City.

All professional services identified in the Scope of Services will be invoiced in accordance with the agreed upon conditions already in place with the City. Should additional services be required by the City, outside the scope as identified above, T&M will provide a subsequent proposal.

We thank you for the opportunity to submit this proposal, and we look forward to working with you on this project. Should you have any questions or require additional information, please do not hesitate to contact me at 732-671-6400 or Jflor@tandmassociates.com.

Very truly yours,

**T&M ASSOCIATES**

JACLYN FLOR, P.E., P.P., CME
CONSULTING ENGINEER

H:\HOBK\#Proposals\15002\Draft Material\Police Building & Multi Service Center HVAC System Review.docx

Batch Id: GDS  Batch Date: 02/02/16  Batch Type: Standard

| Account No. / Account Description | Type | Entry Description | Amount | Seq |
|---|---|---|---|---|
| 6-01-31-461-000 Engineering | Encumbrance | CFO Cert for meeting 02/03/16 T&M Asssoc | 18,500.00 | 1 |

| Fund Description | Fund | Expenditures | Reimbursements | Transfer In | Transfer Out | Cancel | Encumbrances |
|---|---|---|---|---|---|---|---|
| CURRENT FUND | 6-01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18,500.00 |
| Total Of All Funds: | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18,500.00 |

| | Entries | Amount |
|---|---|---|
| Expenditures: | 0 | 0.00 |
| Reimbursements: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrance: | 1 | 18,500.00 |
| Total: | 1 | 18,500.00 |

There are NO errors in this listing.

| | Updated Entries | Updated Amount |
|---|---|---|
| Reimbursements: | 0 | 0.00 |
| Expenditures: | 0 | 0.00 |
| Transfer In: | 0 | 0.00 |
| Transfer Out: | 0 | 0.00 |
| Cancel: | 0 | 0.00 |
| Encumbrances: | 1 | 18,500.00 |

Batch: GDS Updated Entries: 1 Updated Amount: 18,500.00 Ref Num: 3964

Introduced By: _____

Second By: _____

17

# CITY OF HOBOKEN
# RESOLUTION NO._____

## RESOLUTION AUTHORIZING THE REFUND OF TAX APPEALS STATE TAX COURT

WHEREAS, an overpayment of taxes has been made on property listed below; and

WHEREAS, Sharon Curran, Collector of Revenue recommends that the refund be made;

NOW, THEREFORE, BE IT RESOLVED, that a warrant be drawn on the City Treasury made payable to the following totaling $33,652.35

| NAME | BL/LOT/UNIT | PROPERTY | YEAR | AMOUNT |
|---|---|---|---|---|
| Zipp & Tannenbaum Trust Acct.<br>280 Raritan Center Parkway<br>Edison, NJ 08837 | 214/1.01 | 301-311 Washington St | 2011 | $9,242.00 |
| Zipp & Tannenbaum Trust Acct.<br>280 Raritan Center Parkway<br>Edison, NJ 08837 | 214/1.01 | 301-311 Washington St | 2012 | $9,500.00 |
| Zipp & Tannenbaum Trust Acct.<br>280 Raritan Center Parkway<br>Edison, NJ 08837 | 214/1.01 | 301-311 Washington St | 2013 | $9,596.00 |
| McKirdy & Riskin, P.A.<br>136 South Street<br>P.O. Box 2379<br>Morristown, NJ 07962-2379 | 216/19.03 | 535 Washington St | 2015 | $2,514.96 |

| NAME | BL/LOT/UNIT | PROPERTY | YEAR | AMOUNT |
|---|---|---|---|---|
| McKirdy & Riskin, P.A.<br>136 South Street<br>P.O. Box 2379<br>Morristown, NJ 07962-2379 | 214.01/36 | 56 Third St | 2015 | $2,799.39 |

Meeting date: February 3, 2016

APPROVED:

Sharon Curran
Tax Collector

APPROVED AS TO FORM:

Alysia Proko
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Giattino | | ✓ | | |



A TRUE COPY OF A RESOLUTION ADOPTED BY
THE COUNCIL OF THE CITY OF HOBOKEN, N.J.
AT A MEETING HELD ON: FEB 03 2016

CITY CLERK

Introduced By: _____

Second By: _____

18

# CITY OF HOBOKEN
# RESOLUTION NO._____

## RESOLUTION AUTHORIZING THE CANCELATION OF OVER BILLED 1ST & 2ND QUARTERS OF 2016 FROM THE TAX DUPLICATE

**WHEREAS, an overbill of taxes has been made on properties listed below; and**

**WHEREAS, Sal Bonaccorsi, Tax Assessor recommends the cancelation;**

**NOW, THEREFORE, BE IT RESOLVED, that the following overbills be canceled from the 2016 Tax Duplicate.**

| NAME | BL/LT/UNIT | PROPERTY | QTR/YEAR | AMOUNT |
|---|---|---|---|---|
| RB HOLDINGS 2 CORP. | 34/24 | 122 PARK AVE | 1&2/16 | $20,904.86 |
| 98 ADAMS ST LLC C/O | 18/25 | 98 ADAMS ST | 1&2/16 | $ 3,199.84 |
| PUMP HOUSE 128 LLC | 25/17 | 128 HARRISON ST | 1&2/16 | $16,425.84 |
| VASUMATI MODY | 28/12 | 123 MONROE ST | 1&2/16 | $ 9,870.47 |
| 117 WILLOW AVE LLC | 34/10 | 117 WILLOW AVE | 1&2/16 | $ 7,250.51 |
| MONROE 302 LLC | 47/32 | 302 MONROE ST | 1&2/16 | $ 9,066.58 |
| 618 MADISON ST HOB LLC | 75/23 | 618 MADISON ST | 1&2/16 | $ 3,022.45 |
| GRAND HOLDING LLC | 85/15.02 | 720 GRAND ST | 1&2/16 | $ 5,988.00 |
| GRAND 715 RE LLC | 152/2 | 715 GRAND ST | 1&2/16 | $25,748.40 |
| 316 PARK CORP. | 166/31 | 316 PARK AVE. | 1&2/16 | $ 6,791.14 |

| NAME | BL/LT/UNIT | PROPERTY | QTR/YEAR | AMOUNT |
|---|---|---|---|---|
| 926 GARDEN ST CONDO ASSOC. | 184/31 | 926 GARDEN ST | 1&2/16 | $ 8,418.38 |
| 801 WILLOW AVE ASSOCS. LLC | 170/1/C0001 | 801 WILLOW AVE | 1&2/16 | $17,020.89 |

Meeting date: February 3, 2016

APPROVED:

Sharon Curran
Tax Collector

APPROVED AS TO FORM:

Alysia Proko
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla, | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fischer | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 03 2016

CITY CLERK

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON: FEB 0 3 2016

James J. Farino
CITY CLERK

Introduced By: _____ 19

Second By: _____

**CITY OF HOBOKEN**
**RESOLUTION NO._____**
**RESOLUTION AUTHORIZING THE REFUND OF TAX OVERPAYMENTS**

**WHEREAS,** an overpayment of taxes has been made on property listed below: and

**WHEREAS,** Sharon Curran, Collector of Revenue recommends that refunds be made;

**NOW, THEREFORE, BE IT RESOLVED,** that a warrant be drawn on the City Treasury made payable to the following totaling **$10,226.07**

| NAME | BL/LT/UNIT | PROPERTY | QTR/YEAR | AMOUNT |
|---|---|---|---|---|
| Stephen Dudas & Sara Marcello<br>1114 Hudson Street #7<br>Hoboken, NJ 07030 | 243/23/C0007 | 1114 Hudson Street | 3&4/15 | $3,363.76 |
| Vasumati Mody<br>334 Bloomfield Street #2<br>Hoboken, NJ 07030 | 77/20 | 624 Adams Street | 3/15 | $1,000.00 |
| Skyfin Properties, LLC<br>314 Colfax Avenue<br>Clifton, NJ 07013-1794 | 193/22/C0005 | 635 Garden Street | 4/15 | $ 843.28 |
| 108 Jefferson LLC<br>75 Jackson Street PH#D<br>Hoboken, NJ 07030 | 29/29 | 108 Jefferson Street | 3&4/15 | $5,019.03 |

**Meeting date: February 3, 2016**

**APPROVED:**

Sharon Curran
Tax Collector

**APPROVED AS TO FORM:**

Alysia Proko
Interim Corporation Counsel

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | |
| Peter Cunningham | | | | ✓ |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | ✓ | | | |
| David Mello | ✓ | | | |
| Ruben Ramos Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Giattino | | | | |

**Sponsored by:** _____

**Seconded by:** _____

**City of Hoboken**

**Resolution No.** _____

**RESOLVED**, that filed minutes for the Hoboken City Council **Regular and Special meeting of December 16, 2015** have been reviewed and approved by the Governing Body.

_____
**Approved as to form:**

**Meeting Date: February 3, 2016**

| Councilperson | Yea | Nay | Abstain/Present | Absent |
|---|---|---|---|---|
| Ravinder Bhalla | ✓ | | | ✓ |
| Peter Cunningham | | | | |
| Michael Defusco | ✓ | | | |
| James Doyle | ✓ | | | |
| Tiffanie Fisher | | | ✓ | |
| David Mello | ✓ | | | |
| Ruben Ramos Jr. | ✓ | | | |
| Michael Russo | ✓ | | | |
| President Jenn Giattino | ✓ | | | |

A TRUE COPY OF A RESOLUTION ADOPTED BY THE COUNCIL OF THE CITY OF HOBOKEN, N.J. AT A MEETING HELD ON:

FEB 03 2016

_____

CITY CLERK