



The Township of Springfield

MONTGOMERY COUNTY, PENNSYLVANIA

Township Bldg., 1510 Paper Mill Rd., Wyndmoor, PA 19038

website: www.SpringfieldMontco.org

Phone: 215-836-7600

Fax: 215-836-7180

COMMISSIONERS

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President

Brendan May
Vice President

Elizabeth McNamara
James M. Lee
Robert C. Goldberg
Edward H. Morris III
Thaddeus S. Kirk

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Andrew R. Freimuth
Solicitor

Joelle Kleinman
Treasurer / Tax Collector

Timothy P. Woodrow, PE
Engineer

Public Notice Planning Commission Meeting WRLD-26-01

This notice is sent to inform you that the Springfield Township Planning Commission will hold a public meeting on **Tuesday, October 20, 2026**, at 7:00 P.M. The meeting will take place in the Boardroom of the Springfield Township Administration Building, located at 1510 Paper Mill Road, Wyndmoor, PA 19031. The Planning Commission will discuss the waiver requested for the requirement of a full Land Development submission and review for the proposed addition to **Wyndmoor Hose Company #1**, located at 1103 E. Willow Grove Avenue, Wyndmoor, PA 19031.

The applicant proposes to construct an addition to the existing Fire House building that will consist of a single-story section of 1,050 square feet and two-story structure with a footprint of 1,220 square feet. The proposed expansion and alterations to the site have received the approval by the Springfield Zoning Hearing. That approval was granted on Monday, July 27, 2026.

A copy of the application and plans have been posted on Springfield Township's website at www.springfieldmontco.org. If you have any questions pertaining to this meeting, please feel free to contact me directly at 215-836-7600, ext. 1114 or by email at mpenecale@springfieldmontco.org.

Sincerely,

Mark A. Penecale, BCO
Director of Planning & Zoning
Springfield Township



**SPRINGFIELD TOWNSHIP
APPLICATION FOR
SUBDIVISION AND LAND DEVELOPMENT APPROVAL**

APPLICATION FOR LAND DEVELOPMENT APPROVAL

A Application is hereby made for approval by the Board of Commissioners of the attached Land Development Plan.

B Name of Land Development: Wyndmoor Hose Company No.1

Location: 1103 Willow Grove Ave

Wyndmoor, PA 19038

C Name of Owner: Wyndmoor Hose Company No.1

Address: 1103 Willow Grove Ave

Wyndmoor, PA 19038

Phone #: 215-233-2808 (Cody Brockmeyer)

D Name of Applicant: Wyndmoor Hose Company No.1

Address: 1103 Willow Grove Ave

Wyndmoor, PA 19038

Phone #: 215-233-2808 (Cody Brockmeyer)

E Name of Engineer, Surveyor, or Planner responsible for preparation of the plan

Cornerstone Consulting Engineers and Design Services, Inc.

Address: 213 W. Main Street, Lansdale, PA 19446

F Existing Zoning Classification: B-Residential District

Total Acreage: 0.75 New Non-Res. Floor Area: 2,270 (sq. ft)

Sewerage: Public X
Private _____

Water: Public X
Private _____



**SPRINGFIELD TOWNSHIP
APPLICATION FOR
SUBDIVISION AND LAND DEVELOPMENT APPROVAL**

Intended Land Use(s)	# of Lots	Units	Buildings
() Residential	_____	_____	_____
() Commercial	_____	_____	_____
() Industrial	_____	_____	_____
() Office	_____	_____	_____
(X) Other (Specify below)	<u>1</u>	_____	<u>1</u>

Emergency Services and Fire Station

G Does this application meet all the requirements of the existing Zoning Classification? () Yes (X) No (if no, attach a list of variances and/or special exceptions) See Attached Zoning Resolution of Approval

H Is the property subject to any encumbrances, deed restrictions, etc.? () Yes (X) No (if yes, attach a copy)

I List additional material submitted with this application

1. Waiver of Land Development Plan Set
2. Deed
3. PCSM Report
4. Waiver Letter
5. _____
6. _____

J Springfield Township Fee Schedule (non-refundable):

Checks should be made payable to "Springfield Township".

Land Development Fee Schedule

Use	Waiver Request/ Sketch Plan	Preliminary Plans	Final Plans
Residential	\$250	\$200 per D.U.	\$250 per D.U.
Nonresidential	\$250	\$500 + \$100 / acre	\$2,500 + \$150 / acre



**SPRINGFIELD TOWNSHIP
APPLICATION FOR
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K Escrow Fund

The escrow account shall be established based on the following calculations:

\$3,000.00 per acre or fraction thereof

Total Escrow Amount \$ Waived

L Springfield Township Application Fees

Waiver or Sketch Plan Fee \$ Waived

Preliminary Plan Fee \$ _____

Final Plan Fee \$ _____

Total \$ _____ Check # _____

M Montgomery County Planning Commission Fee Schedule

Checks should be made payable to "Montgomery County Treasurer".

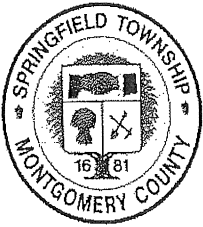
RESIDENTIAL LAND DEVELOPMENT

<u>Number of Lots or Units (whichever is greater)</u>	<u>General Fee + Fee Per Lot or Unit</u>
1 - 3	\$150 (flat fee)
4 - 20	\$180 + \$23 per unit
21 - 100	\$450 + \$21 per unit
101 +	\$1,060 + \$20 per unit

NON RESIDENTIAL LAND DEVELOPMENT AND CONVERSIONS

<u>Gross Square Feet of New Building</u>	<u>General Fee + Fee for every 1,000 gross sq. ft. (round to nearest whole dollar)</u>
1 - 3,000 sq. ft.	\$220 flat fee
3,001 - 25,000 sq. ft.	\$519 + \$27 for every 1,000 sq. ft.
25,001 - 50,000 sq. ft.	\$1,050 + \$23 for every 1,000 sq. ft.
50,001 - 100,000 sq. ft.	\$1,550 + \$20 for every 1,000 sq. ft.
100,000 + sq. ft.	\$2,580 + \$15 for every 1,000 sq. ft.

Total \$ _____ Check # _____



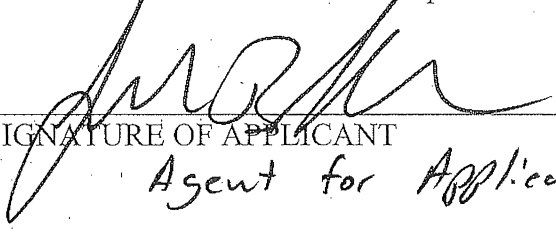
SPRINGFIELD TOWNSHIP
APPLICATION FOR
SUBDIVISION AND LAND DEVELOPMENT APPROVAL

N Signature

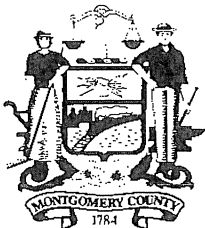
The undersigned represents that to the best of his/her knowledge and belief, all of the above statements are true, correct and complete.

In the event the applicant wishes to have the review by the Township discontinued, the applicant will notify the Township immediately, in writing, and processing of the review will be terminated upon receipt of such written notification to the Township, it being understood that all bills accrued to date of termination will be paid.

10/1/2026
DATE


SIGNATURE OF APPLICANT

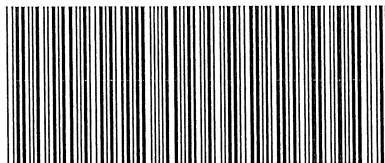
Agent for Applicant



**RECORDER OF DEEDS
MONTGOMERY COUNTY**
Nancy J. Becker

One Montgomery Plaza
Swede and Airy Streets ~ Suite 303
P.O. Box 311 ~ Norristown, PA 19404
Office: (610) 278-3289 ~ Fax: (610) 278-3869

DEED BK 5829 PG 01066 to 01074
INSTRUMENT # : 2012022620
RECORDED DATE: 03/07/2012 10:48:54 AM



2688361-0011T

MONTGOMERY COUNTY ROD

OFFICIAL RECORDING COVER PAGE

Page 1 of 9

Document Type: Deed Miscellaneous
Document Date: 02/24/2012
Reference Info:

Transaction #: 2622604 - 1 Doc(s)
Document Page Count: 8
Operator Id: dcane

RETURN TO: (Simplifile)
Firsttrust Bank
1931 Cottman Ave
Philadelphia, PA 19111
(215) 728-8624

PAID BY:
FIRSTTRUST BANK

*** PROPERTY DATA:**

Parcel ID #: 52-00-18457-00-4
Address: 1103 WILLOW GROVE AVE

WYNDMOOR PA
19038

Municipality: Springfield Township (100%)
School District: Springfield

*** ASSOCIATED DOCUMENT(S):**

CONSIDERATION/SECURED AMT: \$0.00
TAXABLE AMOUNT: 0
FEES / TAXES:
Recording Fee:Deed Miscellaneous \$52.00
Additional Pages Fee \$8.00
Total: \$60.00

DEED BK 5829 PG 01066 to 01074
Recorded Date: 03/07/2012 10:48:54 AM

I hereby CERTIFY that
this document is
recorded in the
Recorder of Deeds
Office in Montgomery
County, Pennsylvania.



Nancy J. Becker
Recorder of Deeds

PLEASE DO NOT DETACH
THIS PAGE IS NOW PART OF THIS LEGAL DOCUMENT

NOTE: If document data differs from cover sheet, document data always supersedes.

*COVER PAGE DOES NOT INCLUDE ALL DATA, PLEASE SEE INDEX AND DOCUMENT FOR ANY ADDITIONAL INFORMATION.



Parcel Identification
Number:
52-00-18457-00-4

RECORDATION
REQUESTED BY:
Firsttrust Bank
Flourtown
1931 Cottman Avenue
Philadelphia, PA 19111

MONTGOMERY COUNTY COMMISSIONERS REGISTRY
52-00-18457-00-4 SPRINGFIELD TOWNSHIP
1103 WILLOW GROVE AVE
WYNDMOOR HOSE COMPANY \$10.00
B 035 L U 020 5929 03/07/2012 BH

WHEN RECORDED MAIL
TO:
Firsttrust Bank
Flourtown
1931 Cottman Avenue
Philadelphia, PA 19111

FOR RECORDER'S USE ONLY

ASSIGNMENT OF RENTS

THIS ASSIGNMENT OF RENTS dated February 24, 2012, is made and executed between Wyndmoor Hose Company, No. 1 (referred to below as "Grantor") and Firsttrust Bank, whose address is 1931 Cottman Avenue, Philadelphia, PA 19111 (referred to below as "Lender").

ASSIGNMENT. For valuable consideration, Grantor hereby assigns, grants a continuing security interest in, and conveys to Lender all of Grantor's right, title, and interest in and to the Rents from the following described Property located in Montgomery County, Commonwealth of Pennsylvania:

See Rider "A", which is attached to this Assignment and made a part of this Assignment as if fully set forth herein.

The Property or its address is commonly known as 1103 E. Willow Grove Avenue, Springfield, PA 19038. The Real Property parcel identification number is 52-00-18457-00-4.

THIS ASSIGNMENT IS GIVEN TO SECURE (1) PAYMENT OF THE INDEBTEDNESS AND (2) PERFORMANCE OF ANY AND ALL OBLIGATIONS OF GRANTOR UNDER THE NOTE, THIS ASSIGNMENT, AND THE RELATED DOCUMENTS. THIS ASSIGNMENT IS GIVEN AND ACCEPTED ON THE FOLLOWING TERMS:

PAYMENT AND PERFORMANCE. Except as otherwise provided in this Assignment or any Related Documents, Grantor shall pay to Lender all amounts secured by this Assignment as they become due, and shall strictly perform all of Grantor's obligations under this Assignment. Unless and until Lender exercises its right to collect the Rents as provided below and so long as there is no default under this Assignment, Grantor may remain in possession and control of and operate and manage the Property and collect the Rents, provided that the granting of the right to collect the Rents shall not constitute Lender's consent to the use of cash collateral in a bankruptcy proceeding.

GRANTOR'S REPRESENTATIONS AND WARRANTIES. Grantor warrants that:

Ownership. Grantor is entitled to receive the Rents free and clear of all rights, loans, liens, encumbrances, and claims except as disclosed to and accepted by Lender in writing.

Right to Assign. Grantor has the full right, power and authority to enter into this Assignment and to assign and convey the Rents to Lender.

No Prior Assignment. Grantor has not previously assigned or conveyed the Rents to any other person by any instrument now in force.

No Further Transfer. Grantor will not sell, assign, encumber, or otherwise dispose of any of Grantor's rights in the Rents except as provided in this Assignment.

LENDER'S RIGHT TO RECEIVE AND COLLECT RENTS. Lender shall have the right at any time, and even though no default shall have occurred under this Assignment, to collect and receive the Rents. For this purpose, Lender is hereby given and granted the following rights, powers and authority:



**ASSIGNMENT OF RENTS
(Continued)**

Loan No: 5107584

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Notice to Tenants. Lender may send notices to any and all tenants of the Property advising them of this Assignment and directing all Rents to be paid directly to Lender or Lender's agent.

Enter the Property. Lender may enter upon and take possession of the Property; demand, collect and receive from the tenants or from any other persons liable therefor, all of the Rents; institute and carry on all legal proceedings necessary for the protection of the Property, including such proceedings as may be necessary to recover possession of the Property; collect the Rents and remove any tenant or tenants or other persons from the Property.

Maintain the Property. Lender may enter upon the Property to maintain the Property and keep the same in repair; to pay the costs thereof and of all services of all employees, including their equipment, and of all continuing costs and expenses of maintaining the Property in proper repair and condition, and also to pay all taxes, assessments and water utilities, and the premiums on fire and other insurance effected by Lender on the Property.

Compliance with Laws. Lender may do any and all things to execute and comply with the laws of the Commonwealth of Pennsylvania and also all other laws, rules, orders, ordinances and requirements of all other governmental agencies affecting the Property.

Lease the Property. Lender may rent or lease the whole or any part of the Property for such term or terms and on such conditions as Lender may deem appropriate.

Employ Agents. Lender may engage such agent or agents as Lender may deem appropriate, either in Lender's name or in Grantor's name, to rent and manage the Property, including the collection and application of Rents.

Other Acts. Lender may do all such other things and acts with respect to the Property as Lender may deem appropriate and may act exclusively and solely in the place and stead of Grantor and to have all of the powers of Grantor for the purposes stated above.

No Requirement to Act. Lender shall not be required to do any of the foregoing acts or things, and the fact that Lender shall have performed one or more of the foregoing acts or things shall not require Lender to do any other specific act or thing.

APPLICATION OF RENTS. All costs and expenses incurred by Lender in connection with the Property shall be for Grantor's account and Lender may pay such costs and expenses from the Rents. Lender, in its sole discretion, shall determine the application of any and all Rents received by it; however, any such Rents received by Lender which are not applied to such costs and expenses shall be applied to the Indebtedness. All expenditures made by Lender under this Assignment and not reimbursed from the Rents shall become a part of the Indebtedness secured by this Assignment, and shall be payable on demand, with interest at the Note rate from date of expenditure until paid.

FULL PERFORMANCE. If Grantor pays all of the Indebtedness when due and otherwise performs all the obligations imposed upon Grantor under this Assignment, the Note, and the Related Documents, Lender shall execute and deliver to Grantor a suitable satisfaction of this Assignment and suitable statements of termination of any financing statement on file evidencing Lender's security interest in the Rents and the Property. Any termination fee required by law shall be paid by Grantor, if permitted by applicable law.

LENDER'S EXPENDITURES. If any action or proceeding is commenced that would materially affect Lender's interest in the Property or if Grantor fails to comply with any provision of this Assignment or any Related Documents, including but not limited to Grantor's failure to discharge or pay when due any amounts Grantor is required to discharge or pay under this Assignment or any Related Documents, Lender on Grantor's behalf may (but shall not be obligated to) take any action that Lender deems appropriate, including but not limited to discharging or paying all taxes, liens, security interests, encumbrances and other claims, at any time levied or placed on the Rents or the Property and paying all costs for insuring, maintaining and preserving the Property. All such expenditures incurred or paid by Lender for such purposes will then bear interest at the rate charged under the Note from the date incurred or paid by Lender to the date of repayment by Grantor. All such expenses will become a part of the Indebtedness and, at Lender's option, will (A) be payable on demand; (B) be added to the balance of the Note and be apportioned among and be payable with any installment payments to become due during either (1) the term of any applicable insurance policy; or (2) the remaining term of the Note; or (C) be treated as a balloon payment which will be due and payable at the Note's maturity. The Assignment also will secure payment of these amounts. Such right shall be in addition to all other rights and remedies to which Lender may be entitled upon Default.

DEFAULT. Each of the following, at Lender's option, shall constitute an Event of Default under this Assignment:

Payment Default. Grantor fails to make any payment when due under the Indebtedness.

Other Defaults. Grantor fails to comply with or to perform any other term, obligation, covenant or condition contained in this Assignment or in any of the Related Documents or to comply with or to perform any term, obligation, covenant or condition contained in any other agreement between Lender and Grantor.

Default on Other Payments. Failure of Grantor within the time required by this Assignment to make any payment for taxes or insurance, or any other payment necessary to prevent filing of or to effect discharge of any lien.

**ASSIGNMENT OF RENTS
(Continued)**

Loan No: 5107584

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Default in Favor of Third Parties. Grantor defaults under any loan, extension of credit, security agreement, purchase or sales agreement, or any other agreement, in favor of any other creditor or person that may materially affect any of Grantor's property or ability to perform Grantor's obligations under this Assignment or any of the Related Documents.

Environmental Default. Failure of any party to comply with or perform when due any term, obligation, covenant or condition contained in any environmental agreement executed in connection with the Property.

False Statements. Any warranty, representation or statement made or furnished to Lender by Grantor or on Grantor's behalf under this Assignment or the Related Documents is false or misleading in any material respect, either now or at the time made or furnished or becomes false or misleading at any time thereafter.

Defective Collateralization. This Assignment or any of the Related Documents ceases to be in full force and effect (including failure of any collateral document to create a valid and perfected security interest or lien) at any time and for any reason.

Insolvency. The dissolution or termination of Grantor's existence as a going business, the insolvency of Grantor, the appointment of a receiver for any part of Grantor's property, any assignment for the benefit of creditors, any type of creditor workout, or the commencement of any proceeding under any bankruptcy or insolvency laws by or against Grantor.

Creditor or Forfeiture Proceedings. Commencement of foreclosure or forfeiture proceedings, whether by judicial proceeding, self-help, repossession or any other method, by any creditor of Grantor or by any governmental agency against the Rents or any property securing the Indebtedness. This includes a garnishment of any of Grantor's accounts, including deposit accounts, with Lender. However, this Event of Default shall not apply if there is a good faith dispute by Grantor as to the validity or reasonableness of the claim which is the basis of the creditor or forfeiture proceeding and if Grantor gives Lender written notice of the creditor or forfeiture proceeding and deposits with Lender monies or a surety bond for the creditor or forfeiture proceeding, in an amount determined by Lender, in its sole discretion, as being an adequate reserve or bond for the dispute.

Property Damage or Loss. The Property is lost, stolen, substantially damaged, sold, or borrowed against.

Events Affecting Guarantor. Any of the preceding events occurs with respect to any guarantor, endorser, surety, or accommodation party of any of the Indebtedness or any guarantor, endorser, surety, or accommodation party dies or becomes incompetent, or revokes or disputes the validity of, or liability under, any Guaranty of the Indebtedness.

Adverse Change. A material adverse change occurs in Grantor's financial condition, or Lender believes the prospect of payment or performance of the Indebtedness is impaired.

Insecurity. Lender in good faith believes itself insecure.

RIGHTS AND REMEDIES ON DEFAULT. Upon the occurrence of any Event of Default and at any time thereafter, Lender may exercise any one or more of the following rights and remedies, in addition to any other rights or remedies provided by law:

Accelerate Indebtedness. Subject to applicable law, Lender shall have the right at its option without notice to Grantor to declare the entire Indebtedness immediately due and payable.

Collect Rents. Lender shall have the right, without notice to Grantor, to take possession of the Property and collect the Rents, including amounts past due and unpaid, and apply the net proceeds, over and above Lender's costs, against the Indebtedness. In furtherance of this right, Lender shall have all the rights provided for in the Lender's Right to Receive and Collect Rents Section, above. If the Rents are collected by Lender, then Grantor irrevocably authorizes Lender to endorse instruments received in payment thereof in the name of Grantor and to negotiate the same and collect the proceeds. Payments by tenants or other users to Lender in response to Lender's demand shall satisfy the obligations for which the payments are made, whether or not any proper grounds for the demand existed. Lender may exercise its rights under this subparagraph either in person, by agent, or through a receiver.

Appoint Receiver. Lender shall have the right to have a receiver appointed to take possession of all or any part of the Property, with the power to protect and preserve the Property, to operate the Property preceding foreclosure or sale, and to collect the Rents from the Property and apply the proceeds, over and above the cost of the receivership, against the Indebtedness. The receiver may serve without bond if permitted by law. Lender's right to the appointment of a receiver shall exist whether or not the apparent value of the Property exceeds the Indebtedness by a substantial amount. Employment by Lender shall not disqualify a person from serving as a receiver.

Other Remedies. Lender shall have all other rights and remedies provided in this Assignment or the Note or by law.



**ASSIGNMENT OF RENTS
(Continued)**

Loan No: 5107584

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Election of Remedies. Election by Lender to pursue any remedy shall not exclude pursuit of any other remedy, and an election to make expenditures or to take action to perform an obligation of Grantor under this Assignment, after Grantor's failure to perform, shall not affect Lender's right to declare a default and exercise its remedies.

Attorneys' Fees; Expenses. If Lender institutes any suit or action to enforce any of the terms of this Assignment, Lender shall be entitled to recover such sum as the court may adjudge reasonable as attorneys' fees at trial and upon any appeal. Whether or not any court action is involved, and to the extent not prohibited by law, all reasonable expenses Lender incurs that in Lender's opinion are necessary at any time for the protection of its interest or the enforcement of its rights shall become a part of the indebtedness payable on demand and shall bear interest at the Note rate from the date of the expenditure until repaid. Expenses covered by this paragraph include, without limitation, however subject to any limits under applicable law, Lender's reasonable attorneys' fees and Lender's legal expenses, whether or not there is a lawsuit, including reasonable attorneys' fees and expenses for bankruptcy proceedings (including efforts to modify or vacate any automatic stay or injunction), appeals, and any anticipated post-judgment collection services, the cost of searching records, obtaining title reports (including foreclosure reports), surveyors' reports, and appraisal fees, title insurance, and fees for the Trustee, to the extent permitted by applicable law. Grantor also will pay any court costs, in addition to all other sums provided by law.

MISCELLANEOUS PROVISIONS. The following miscellaneous provisions are a part of this Assignment:

Amendments. This Assignment, together with any Related Documents, constitutes the entire understanding and agreement of the parties as to the matters set forth in this Assignment. No alteration of or amendment to this Assignment shall be effective unless given in writing and signed by the party or parties sought to be charged or bound by the alteration or amendment.

Caption Headings. Caption headings in this Assignment are for convenience purposes only and are not to be used to interpret or define the provisions of this Assignment.

Governing Law. This Assignment will be governed by federal law applicable to Lender and, to the extent not preempted by federal law, the laws of the Commonwealth of Pennsylvania without regard to its conflicts of law provisions. This Assignment has been accepted by Lender in the Commonwealth of Pennsylvania.

Choice of Venue. If there is a lawsuit, Grantor agrees upon Lender's request to submit to the jurisdiction of the courts of Philadelphia County, Commonwealth of Pennsylvania.

Merger. There shall be no merger of the interest or estate created by this assignment with any other interest or estate in the Property at any time held by or for the benefit of Lender in any capacity, without the written consent of Lender.

Interpretation. (1) In all cases where there is more than one Borrower or Grantor, then all words used in this Assignment in the singular shall be deemed to have been used in the plural where the context and construction so require. (2) If more than one person signs this Assignment as "Grantor," the obligations of each Grantor are joint and several. This means that if Lender brings a lawsuit, Lender may sue any one or more of the Grantors. If Borrower and Grantor are not the same person, Lender need not sue Borrower first, and that Borrower need not be joined in any lawsuit. (3) The names given to paragraphs or sections in this Assignment are for convenience purposes only. They are not to be used to interpret or define the provisions of this Assignment.

No Waiver by Lender. Lender shall not be deemed to have waived any rights under this Assignment unless such waiver is given in writing and signed by Lender. No delay or omission on the part of Lender in exercising any right shall operate as a waiver of such right or any other right. A waiver by Lender of a provision of this Assignment shall not prejudice or constitute a waiver of Lender's right otherwise to demand strict compliance with that provision or any other provision of this Assignment. No prior waiver by Lender, nor any course of dealing between Lender and Grantor, shall constitute a waiver of any of Lender's rights or of any of Grantor's obligations as to any future transactions. Whenever the consent of Lender is required under this Assignment, the granting of such consent by Lender in any instance shall not constitute continuing consent to subsequent instances where such consent is required and in all cases such consent may be granted or withheld in the sole discretion of Lender.

Notices. Unless otherwise provided by applicable law, any notice required to be given under this Assignment shall be given in writing, and shall be effective when actually delivered, when actually received by telefacsimile (unless otherwise required by law), when deposited with a nationally recognized overnight courier, or, if mailed, when deposited in the United States mail, as first class, certified or registered mail postage prepaid, directed to the addresses shown near the beginning of this Assignment. Any party may change its address for notices under this Assignment by giving formal written notice to the other parties, specifying that the purpose of the notice is to change the party's address. For notice purposes, Grantor agrees to keep Lender informed at all times of Grantor's current address. Unless otherwise provided by applicable law, if there is more than one Grantor, any notice given by Lender to any Grantor is deemed to be notice given to all Grantors.

Exercise of Authorization and Powers. The various authorizations and powers of attorney conveyed on Lender under this Assignment are granted for purposes of security and may not be revoked by Grantor until such time as



**ASSIGNMENT OF RENTS
(Continued)**

Loan No: 5107584

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the same are renounced by Lender. It is understood and agreed that any exercise of this authorization by Lender shall be on behalf of Lender and not on behalf of Grantor. Lender is not an agent or fiduciary of Grantor. However, in exercising the authorization granted hereby, Lender shall exercise reasonable caution and prudence and Lender shall keep full and accurate record of all actions, receipts and disbursements.

Severability. If a court of competent jurisdiction finds any provision of this Assignment to be illegal, invalid, or unenforceable as to any circumstance, that finding shall not make the offending provision illegal, invalid, or unenforceable as to any other circumstance. If feasible, the offending provision shall be considered modified so that it becomes legal, valid and enforceable. If the offending provision cannot be so modified, it shall be considered deleted from this Assignment. Unless otherwise required by law, the illegality, invalidity, or unenforceability of any provision of this Assignment shall not affect the legality, validity or enforceability of any other provision of this Assignment.

Successor Interests. The terms of this Assignment shall be binding upon Grantor, and upon Grantor's heirs, personal representatives, successors, and assigns, and shall be enforceable by Lender and its successors and assigns.

Time is of the Essence. Time is of the essence in the performance of this Assignment.

Waive Jury. All parties to this Assignment hereby waive the right to any jury trial in any action, proceeding, or counterclaim brought by any party against any other party.

Waiver of Right of Redemption. NOTWITHSTANDING ANY OF THE PROVISIONS TO THE CONTRARY CONTAINED IN THIS ASSIGNMENT, GRANTOR HEREBY WAIVES ANY AND ALL RIGHTS OF REDEMPTION FROM SALE UNDER ANY ORDER OR JUDGMENT OF FORECLOSURE ON GRANTOR'S BEHALF AND ON BEHALF OF EACH AND EVERY PERSON, EXCEPT JUDGMENT CREDITORS OF GRANTOR, ACQUIRING ANY INTEREST IN OR TITLE TO THE PROPERTY SUBSEQUENT TO THE DATE OF THIS ASSIGNMENT.

DEFINITIONS. The following capitalized words and terms shall have the following meanings when used in this Assignment. Unless specifically stated to the contrary, all references to dollar amounts shall mean amounts in lawful money of the United States of America. Words and terms used in the singular shall include the plural, and the plural shall include the singular, as the context may require. Words and terms not otherwise defined in this Assignment shall have the meanings attributed to such terms in the Uniform Commercial Code:

Assignment. The word "Assignment" means this ASSIGNMENT OF RENTS, as this ASSIGNMENT OF RENTS may be amended or modified from time to time, together with all exhibits and schedules attached to this ASSIGNMENT OF RENTS from time to time.

Borrower. The word "Borrower" means Wyndmoor Hose Company, No. 1.

Default. The word "Default" means the Default set forth in this Assignment in the section titled "Default".

Event of Default. The words "Event of Default" mean any of the events of default set forth in this Assignment in the default section of this Assignment.

Grantor. The word "Grantor" means Wyndmoor Hose Company, No. 1.

Guaranty. The word "Guaranty" means the guaranty from guarantor, endorser, surety, or accommodation party to Lender, including without limitation a guaranty of all or part of the Note.

Indebtedness. The word "Indebtedness" means all principal, interest, and other amounts, costs and expenses payable under the Note or Related Documents, together with all renewals of, extensions of, modifications of, consolidations of and substitutions for the Note or Related Documents and any amounts expended or advanced by Lender to discharge Grantor's obligations or expenses incurred by Lender to enforce Grantor's obligations under this Assignment, together with interest on such amounts as provided in this Assignment.

Lender. The word "Lender" means Firsttrust Bank, its successors and assigns.

Note. The word "Note" means the promissory note dated February 24, 2012, in the original principal amount of \$150,000.00 from Grantor to Lender, together with all renewals of, extensions of, modifications of, refinancings of, consolidations of, and substitutions for the promissory note or agreement.

Property. The word "Property" means all of Grantor's right, title and interest in and to all the Property as described in the "Assignment" section of this Assignment.

Related Documents. The words "Related Documents" mean all promissory notes, credit agreements, loan agreements, environmental agreements, guaranties, security agreements, mortgages, deeds of trust, security deeds, collateral mortgages, and all other instruments, agreements and documents, whether now or hereafter existing, executed in connection with the Indebtedness.

Rents. The word "Rents" means all of Grantor's present and future rights, title and interest in, to and under any and all present and future leases, including, without limitation, all rents, revenue, income, issues, royalties,



**ASSIGNMENT OF RENTS
(Continued)**

Loan No: 5107584

Page 6

bonuses, accounts receivable, cash or security deposits, advance rentals, profits and proceeds from the Property, and other payments and benefits derived or to be derived from such leases of every kind and nature, whether due now or later, including without limitation Grantor's right to enforce such leases and to receive and collect payment and proceeds thereunder.

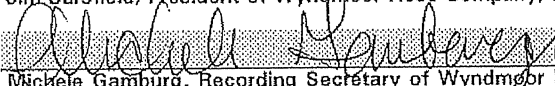
THE UNDERSIGNED ACKNOWLEDGES HAVING READ ALL THE PROVISIONS OF THIS ASSIGNMENT, AND NOT PERSONALLY BUT AS AN AUTHORIZED SIGNER, HAS CAUSED THIS ASSIGNMENT TO BE SIGNED AND EXECUTED ON BEHALF OF GRANTOR ON FEBRUARY 24, 2012.

THIS ASSIGNMENT IS GIVEN UNDER SEAL AND IT IS INTENDED THAT THIS ASSIGNMENT IS AND SHALL CONSTITUTE AND HAVE THE EFFECT OF A SEALED INSTRUMENT ACCORDING TO LAW.

GRANTOR:

WYNDMOOR HOSE COMPANY, NO. 1

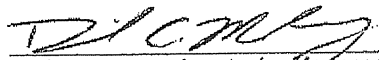
By:  (Seal)
Jim Sarsfield, President of Wyndmoor Hose Company, No. 1

By:  (Seal)
Michele Gamborg, Recording Secretary of Wyndmoor Hose Company,
No. 1

CERTIFICATE OF RESIDENCE

I hereby certify, that the precise address of the mortgagee, Firsttrust Bank, herein is as follows:

Flourtown, 1931 Cottman Avenue, Philadelphia, PA 19111


Attorney or Agent for Mortgagee



ASSIGNMENT OF RENTS
(Continued)

Loan No: 5107584

Page 7

CORPORATE ACKNOWLEDGMENT

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF

PA - Montgomery)
) SS
)

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Sharon Czarniecki, Notary Public
Springfield Twp., Montgomery County
My Commission Expires July 21, 2015

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

On this, the 24 day of February, 20 12, before me Sharon Czarniecki, the undersigned Notary Public, personally appeared Jim Sarsfield, President of Wyndmoor Hose Company, No. 1 and Michele Gamburg, Recording Secretary of Wyndmoor Hose Company, No. 1, who acknowledged themselves to be the President of Wyndmoor Hose Company, No. 1 and Recording Secretary of Wyndmoor Hose Company, No. 1, of a corporation, and that they as such President of Wyndmoor Hose Company, No. 1 and Recording Secretary of Wyndmoor Hose Company, No. 1, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President of Wyndmoor Hose Company, No. 1 and Recording Secretary of Wyndmoor Hose Company, No. 1.

In witness whereof, I hereunto set my hand and official seal

Sharon Czarniecki
Notary Public in and for the State of PA



Rider "A"

ALL THAT CERTAIN lot or piece of ground with the building and improvements thereon erected, Situate in the Township of Springfield, County of Montgomery and State of Pennsylvania bounded and described in accordance with a survey and plan thereof made by Franklin and Lindsey, Registered Engineers, Philadelphia, Pennsylvania, dated July 24, 1956 as follows, to wit:

BEGINNING at a point formed by the intersection of the original center line of Willow Grove Avenue (Thirty-three feet wide) (now widened by the addition of Eight feet on the Northwestern side thereof to the width of Forty-one feet and the Southwestern side of Southampton Avenue (produced) (Forty-one and five-tenths feet wide); thence extending from said point of beginning along the said original center line of Willow Grove Avenue, South Forty-two degrees Twenty-three minutes West One Hundred Eighty-three and fifty one-hundredths feet to a point; a corner of land of Harry Blofstein; thence extending along said Blofstein's land, North Forty-eight degrees Seven minutes West crossing the Northwestern side of said Willow Grove Avenue One Hundred Ninety-four and fifty one-hundredths feet to a point in line of land of Frank M. Ramsey, Jr; thence extending along said Ramsey's land, North Forty-two degrees Twenty-three minutes East One Hundred Eighty-three and fifty one-hundredths feet to a point on the Southwestern side of Southampton Avenue aforesaid; thence extending along said side of

Southampton Avenue and its extension, South Forty-eight degrees Seven minutes East One Hundred Ninety-four and fifty one-hundredths feet to the first mentioned point of intersection and place of beginning.

BEING known as No. 1103 East Willow Grove Avenue.



Rider "A"

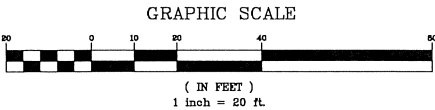
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BEGINNING at a point formed by the intersection of the original center line of Willow Grove Avenue (Thirty-three feet wide) (now widened by the addition of Eight feet on the Northwestern side thereof to the width of Forty-one feet and the Southwestern side of Southampton Avenue (produced) (Forty-one and five-tenths feet wide); thence extending from said point of beginning along the said original center line of Willow Grove Avenue, South Forty-two degrees Twenty-three minutes West One Hundred Eighty-three and fifty one-hundredths feet to a point; a corner of land of Harry Blofstein; thence extending along said Blofstein's land, North Forty-eight degrees Seven minutes West crossing the Northwestern side of said Willow Grove Avenue One Hundred Ninety-four and fifty one-hundredths feet to a point in line of land of Frank M. Ramsey, Jr; thence extending along said Ramsey's land, North Forty-two degrees Twenty-three minutes East One Hundred Eighty-three and fifty one-hundredths feet to a point on the Southwestern side of Southampton Avenue aforesaid; thence extending along said side of

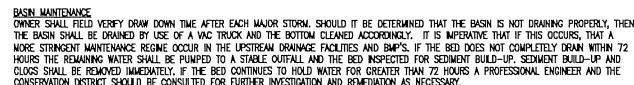
Southampton Avenue and its extension, South Forty-eight degrees Seven minutes East One Hundred Ninety-four and fifty one-hundredths feet to the first mentioned point of intersection and place of beginning. _____

BEING known as No. 1103 East Willow Grove Avenue. _____





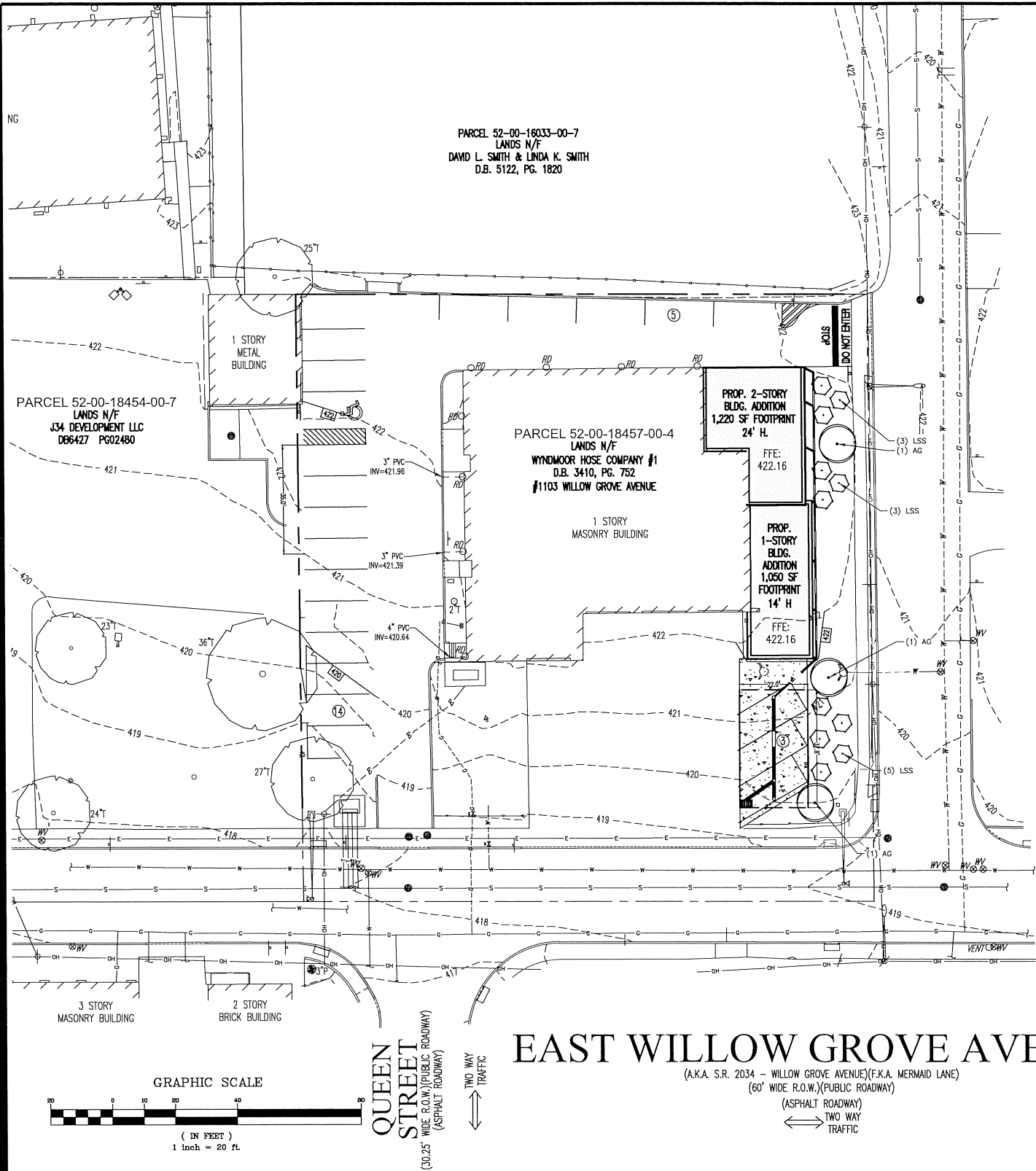
SHEET 3 OF 9



cornerstone
Consulting Engineers & Design Services, Inc.

213 West Main Street, Lansdale, PA 19446
Phone: 215-362-2600 Fax: 215-362-8400
WWW.CORNERSTONE.NET.COM

Dallas, TX Leesburg, VA Orlando, FL Philadelphia, PA



SOUTHAMPTON AVENUE
(37' WIDE LEGAL R.O.W.) (50' ULTIMATE WIDE R.O.W.)
(ASPHALT ROADWAY)
TWO WAY TRAFFIC

EAST WILLOW GROVE AVENUE
(A.K.A. S.R. 2034 - WILLOW GROVE AVENUE) (F.K.A. MERMAID LANE)
(60' WIDE R.O.W.) (PUBLIC ROADWAY)
(ASPHALT ROADWAY)
TWO WAY TRAFFIC

SPRINGFIELD TOWNSHIP, PA - LANDSCAPE COMPLIANCE CHART	REQUIRED	PROVIDED
ZONING: B, RESIDENTIAL		
SEC. 114-134(f)(1) DESIGN REQUIREMENTS ALL PARKING LOTS AND LOADING AREAS SHALL BE PROVIDED WITH PERIMETER SCREENING BUFFER A MINIMUM OF 10 FEET IN WIDTH ALONG ALL PROPERTY BOUNDARIES, AS SPECIFIED IN SECTION 95-111 OF CHAPTER 85. VARIANCE APPROVED	VARIANCE	VARIANCE
SEC. 114-134(f)(2) OFF-STREET PARKING REQUIREMENTS ANY OFF-STREET PARKING AREA DESIGNED FOR 10 OR MORE CARS SHALL BE PROVIDED WITH INTERNAL LANDSCAPING IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 95-111 OF CHAPTER 85. VARIANCE APPROVED	VARIANCE	VARIANCE
SEC. 95-111(g) STREET TREES ONE STREET TREE SHALL BE PROVIDED FOR EACH 35 FEET OF STREET LENGTH. STREET TREES PROVIDED ARE UNDERSTORY TREES DUE TO POWER LINES. 176 LF OF STREET/35 LF = 5 STREET TREES REQUIRED	5 STREET TREES	14 STREET TREES
SEC. 95-111(h)(1)(i) STANDARDS FOR TREE REMOVAL TREES OVER 3" CALIPER ARE TO BE REMOVED. THEY SHALL BE REPLACED WITH APPROVED TREES OF 2" TO 2 1/2" CALIPER AT A RATE OF 2 NEW TREES TO EACH ONE REMOVED. TREES PROVIDED ARE UNDERSTORY TREES DUE TO POWER LINES. 7 TREES REMOVED * 2 TREES = 14 TREES	14 TREES	14 TREES

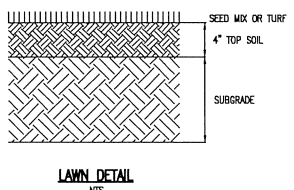
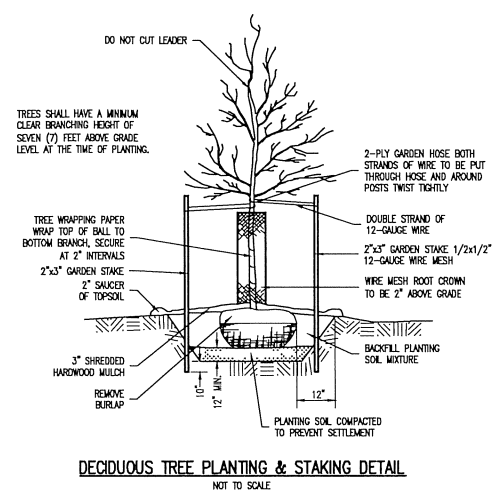
LANDSCAPE MAINTENANCE PLAN

- LANDSCAPING REQUIRED SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION AT ALL TIMES. IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER OR HIS DELEGATED REPRESENTATIVE TO PROPERLY MAINTAIN AND CARE FOR ANY LANDSCAPED AREAS.
- THE REQUIRED PLANT MATERIAL SHALL BE MAINTAINED FOR THE LIFE OF THE DEVELOPMENT TO ACHIEVE THE REQUIRED VISUAL EFFECT OF THE BUFFER OR SCREEN. IT SHALL BE THE ULTIMATE RESPONSIBILITY OF SUCCESSIVE PROPERTY OWNERS TO ENSURE THAT THE REQUIRED PLANTINGS ARE PROPERLY MAINTAINED.
- DEAD OR DISEASED PLANT MATERIAL SHALL BE REMOVED OR TREATED PROMPTLY BY THE PROPERTY OWNER AND REPLACED AS SOON AS POSSIBLE, BUT NO LATER THAN THE NEXT GROWING SEASON.
- ALL TREES SHALL BE STRUCTURALLY PRUNED, WATERED AND MULCHED ACCORDING TO ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) BEST MANAGEMENT PRACTICES UNTIL THEY ARE WELL ESTABLISHED.
- ALL SOFT TREES SHALL REMAIN OPEN AND CLEAR, AND ANY PLANT MATERIAL THAT COULD ENDANGER THE SAFETY, SUCH AS UNSTABLE LIMBS, SHALL BE REMOVED AND THE PLANT MATERIAL REPLACED IF NECESSARY. IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN ALL PLANTINGS TO ENSURE A SAFE ENVIRONMENT.
- MAINTENANCE GUIDELINES FOR THE PLANTINGS ARE ENCOURAGED TO BE PROVIDED ALONG WITH THE PLANTING PLAN TO THE GROUND MAINTENANCE PERSONNEL TO ENSURE THAT THE DESIGN INTENT IS CONTINUED.
- ALL PLANTING BEDS ARE TO BE KEPT FREE FROM LITTER AND DEBRIS.
- TREE LIMBS MUST BE KEPT HIGH ENOUGH TO PREVENT A HAZARD WITH PEDESTRIAN OR VEHICULAR TRAVEL.
- ANY THORNS OR PLANTS MUST BE KEPT FROM BECOMING PEDESTRIAN HAZARDS.
- LEAF LITTER, DOWNED BRANCHES, AND OTHER VEGETATION SHALL BE CLEANED UP AS NEEDED.
- ANY ANNUAL PLANTS SHALL BE WATERED FREQUENTLY IN THE ABSENCE OF IRRIGATION.
- ALL LANDSCAPE BEDS SHALL BE KEPT FREE OF WEEDS AND MULCHED ANNUALLY OR AS NEEDED.
- ALL LAWN AREAS SHALL BE KEPT NEATLY MOWN.
- CHEMICAL HERBICIDE OR INSECTICIDE IS DISCOURAGED, BUT IF USED, SHALL BE IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS AND APPLIED BY A LICENSED PROFESSIONAL.

LANDSCAPE NOTES:

- LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED AND MARKED IN THE FIELD, PRIOR TO ANY DIGGING OPERATIONS.
- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, AND CLEAN-UP WHICH ARE INCIDENTAL TO LANDSCAPE INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRADES AND ALIGNMENTS. ALL PLANTS SHALL BE SET PLUMB AND STRAIGHT. LANDSCAPING SHALL BE INSTALLED IN THE CENTER OF THE PIT.
- ANY NYLON ROPE USED IN BAILING THE TREE MUST BE CUT AND REMOVED FROM THE ROOT BALL.
- ALL PLANTS SHALL CONFORM WITH THE MOST CURRENT VERSION OF THE "AMERICAN STANDARD FOR NURSERY STOCK" OF THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- A 30K MAINTENANCE BOND SHALL BE POSTED TO ENSURE REPLACEMENT OF LANDSCAPE MATERIALS THAT ARE REMOVED, DESTROYED, DAMAGED OR IN IL. HEALTH. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF EIGHTEEN MONTHS. ANY TREES, SHRUBS, HEDGES, OR GROUND COVER THAT DIE OR ARE DESTROYED SHALL BE REPLACED WITHIN SIX MONTHS. CONTRACTOR SHALL REPAIR ANY SOIL OR SUBSURFACE DAMAGE WHICH MAY BE DETRIMENTAL TO GROWTH OF THE PLANT MATERIAL.
- ALL TREES SHALL BE PROVIDED WITH A 3" DEEP SAUCER, CONSISTING OF SHREDDED OAK BARK MULCH.
- ALL SHRUB BEDS SHALL BE PROVIDED WITH A 3" DEEP LAYER OF SHREDDED OAK BARK MULCH.
- INsofar AS PRACTICAL, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, THE CONTRACTOR PROTECT THE LANDSCAPING NOT PLANTED AND ENSURE IT RECEIVES ADEQUATE WATERING. UNDER NO CIRCUMSTANCES SHALL LANDSCAPING REMAIN UNPLANTED FOR MORE THAN THREE (3) DAYS.
- ALL PLANTS SHALL BE THOROUGHLY WATERED AND TAMPED AS BACKFILLING PROGRESSES.
- INSTALLATION OF PLANTS SHALL OCCUR WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE.
- ALL PLANTS SHALL BE THOROUGHLY WATERED BY THE CONTRACTOR AT LEAST THREE (3) TIMES (IN THE ABSENCE OF NATURAL RAINFALL), PRIOR TO ACCEPTANCE OF PLANTING BY THE OWNER.
- ALL DISTURBED AREAS ARE TO BE FINE GRADED, RAKED, MULCHED AND SEEDED.
- STRAW MULCH SHALL BE USED FOR GRASS SEED MIX, EXCEPT THAT SLOPES STEEPER THAN 3 TO 1 SHALL USE EROSION CONTROL BLANKETS/NETS.
- EXISTING TREES NEAR PROPOSED IMPROVEMENTS SHALL BE PROTECTED WITH TREE PROTECTION FENCE. REFER TO THE EAS PLAN FOR THE GENERAL LOCATION.

LEGEND & ABBREVIATIONS	
CENTRELINE OF ROAD	WATER MANHOLE
PROPERTY BOUNDARY	STORM INLET
ADJACENT BOUNDARY	GAS METER
RIGHT OF WAY LINE	WATER METER
EXISTING FENCE	TRAFFIC SIGNAL BOX
PROPOSED FENCE	ELECTRIC VAULT
OH - EXISTING OVERHEAD WIRE	GAS VALVE
W - EXISTING WATER LINE	WATER VALVE
PROPOSED WATER LINE	CLEAN OUT
C - EXISTING TELECO LINE	MONITORING WELL
E - EXISTING ELECTRIC LINE	CONCRETE MONUMENT FOUND
PROPOSED ELECTRIC LINE	IRON PIN FOUND
G - EXISTING GAS LINE	IRON PIPE FOUND
PROPOSED GAS LINE	HAUL FOUND
S - EXISTING SANITARY LINE	EXISTING LIGHT FIXTURES
EXISTING CURB	PROPOSED BUILDING
DEPRESSED CURB	CONCRETE
UNDER/ABOVE GROUND SIGN	DECIDUOUS TREE
UTILITY POLE (UP)	CONTOURED TREE
UTILITY POLE WITH ROAD LIGHT	LSA
HYDRANT	TP - TP - TP
STORM MANHOLE	TREE PROTECTION FENCE
SANITARY MANHOLE	
ELECTRIC MANHOLE	



ERNMX-113 ERNST COMMERCIAL CONSERVATION LAWN MIX SPECIFICATION:

% Common Name	Scientific Name
25.0% Festuca rubra	Creeping Red Fescue
25.0% Lolium multiflorum	Annual Ryegrass
25.0% Lolium perenne	Perennial Ryegrass, "Blackcat II" (turf type)
25.0% Lolium perenne	Perennial Ryegrass, "Fastball RGL" (turf type)
Total: 100%	

- Notes:
- Recommended coverage is 15lbs per acre.
 - Seed mix can be purchased from Ernst Conservation Seeds, Meadville PA 16335, 1 (800) 873-3321
 - Hand seeding is recommended and should take place between April 1st and May 15th or between September 1st and October 15th.
 - Immediately prior to seeding the soil is to be prepared so as to be free of large clods, evenly smooth, and level. A shallow tilling to a depth of 2 inches is acceptable to break up soils in which the surface has become crusted.
 - Planting areas shall be soaked to maintain a consistent level of moisture for at least four (4) to six (6) weeks after seeding.
 - After hand seeding, each area is to be rolled to push the seeds into firm contact with the soil and firm the seedbed. A firm seedbed is critical to proper seedling growth. Do not roll the site when the soil is wet. Wait until the soil is drier to avoid compaction. Alternatively a cultipacker could be used to ensure soil to seed contact. If seeding in the fall, this step is not required as the cumulative effect of rain and snow with numerous freeze/thaw cycles will provide the necessary soil to seed contact.
 - The seeding is to be mulched with North American Green S-150 BN (biodegradable erosion blanket) and secured with Bio-stakes (biodegradable anchors).

CLIENT DATA

Cornerstone
Consulting Engineers & Design Services, Inc.
213 West Main Street, Lansdale, PA 19446
Phone: 215-362-2600 Fax: 215-362-8400
WWW.CORNERSTONEINC.COM
Dallas, TX Lansing, VA Orlando, FL Philadelphia, PA

NO.	BY	DESCRIPTION	DATE

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925 South First Street
West Mifflin, Pennsylvania
15122-1408

811

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PROJECT LOCATION
WAIVER OF LAND DEVELOPMENT DOCUMENTS
1103 WILLOW GROVE AVENUE
SPRINGFIELD TOWNSHIP
MONTGOMERY COUNTY
COMMONWEALTH OF PENNSYLVANIA 19038
PRESENTED FOR:
WYNDMOOR HOSE COMPANY NO. 1

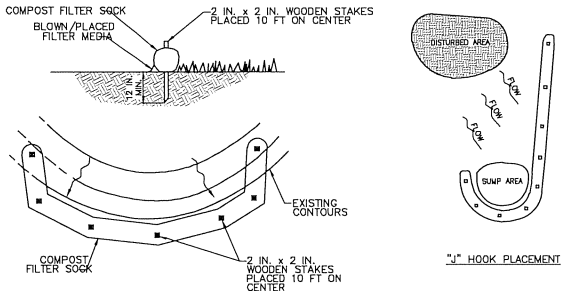
TITLE			
LANDSCAPE PLAN			
PROJ. #	26-0272	DATE	9/24/2026
CAD ID	26-0272	DRN BY	GRW
SCALE	AS NOTED	CHK BY	JBA
SHEET 6 OF 9			

TABLE 4.1 Compost Sock Fabric Minimum Specifications					
Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18" 24"	12" 18" 24"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability %					
Original Strength (ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
Two-ply systems					
Inner Containment Netting	HDPE biaxial net				
	Continuously wound				
	Fusion-welded junctures				
Outer Filtration Mesh	3/4" X 3/4" Max. aperture size				
	Composite Polypropylene Fabric				
	(Woven layer and non-woven fleece mechanically fused via needle punch)				
3 1/2" Max. aperture size					
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.					

Compost should be a well decomposed, weed-free organic matter derived from agriculture, food, stump grindings, and yard or woodchips organic matter sources. The compost should be aerobically composted. The compost should possess no objectionable odors and should be reasonably free (<1% by dry weight) of man-made foreign matter. The compost product should not resemble the raw material from which it was derived. Wood and bark chips, ground construction debris or reprocessed wood products are not acceptable as the organic component of the mix.

The physical parameters of the compost should comply with the standards in Table 4.2. The standards contained in the PennDOT Publication 408 are an acceptable alternative.

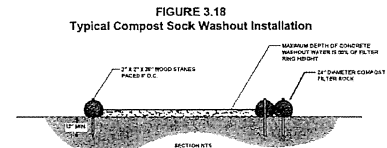
Organic Matter Content	80% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 6.0
Moisture Content	30% - 50%
Particle Size	80% pass through 1" screen
Soluble Salt Concentration	5.0 dS/m (millimhos/cm) Maximum



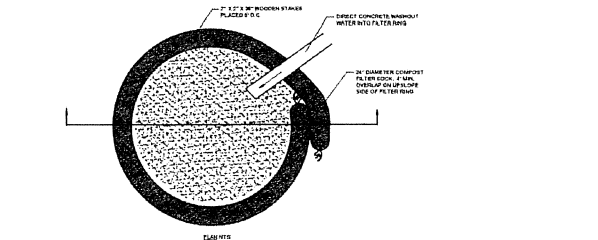
NOTES:
SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE SECURED AT LEAST 3 FEET UP SLOPE AT 45 DEGREES. THE MAIN BARRIER ALIGNMENT MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED, THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED, IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

MAINTENANCE ITEMS:
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED OR CLOGGED SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK

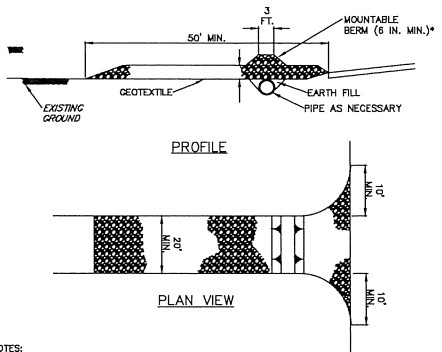


NOTES:
1. A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.
2. ALL CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
3. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY.
4. PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.



NOTES:
1. CONCRETE TRUCKS SHALL BE EQUIPPED WITH AT LEAST 50 GALLONS OF WATER TO CLEAN THE TRUCK AND HOPPER, PLUS AT LEAST 7 GALLONS OF WATER TO CLEAN CONCRETE CHUTE.
MAINTENANCE:
1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
2. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY.
3. ANY PLASTIC LINERS USED SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

CONCRETE WASHOUT DETAIL



NOTES:

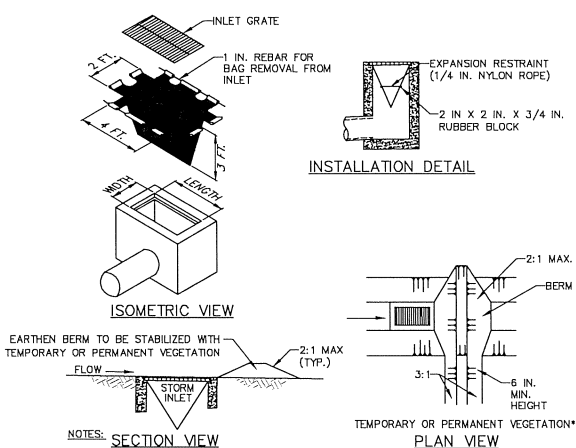
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE



NOTES: SECTION VIEW

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT WITHIN THE PUBLIC RIGHT-OF-WAY.
ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY. BERMS SHALL NOT BE INSTALLED IN THE PUBLIC RIGHT-OF-WAY.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

STANDARD CONSTRUCTION DETAIL #4-16
FILTER BAG INLET PROTECTION - TYPE M INLET

NOT TO SCALE

GENERAL STORMWATER MAINTENANCE NOTES

THE OWNER AND ALL FUTURE OWNERS OF THE PROPERTY, COLLECTIVELY, THE "OWNER" SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER FACILITIES IN ACCORDANCE WITH THE TOWNSHIP'S ORDINANCES AND THE PA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), AND SHALL KEEP ALL FACILITIES IN A GOOD, SAFE AND ATTRACTIVE CONDITION, AND IN A CONDITION SUFFICIENT TO MEET OR EXCEED THE DESIGN STANDARDS AND SPECIFICATIONS SET FORTH ON THE PLAN. THE STORMWATER FACILITIES SHALL BE IMPLEMENTED AND MAINTAINED TO THE MINIMUM STANDARDS AND REQUIREMENTS AS SET FORTH IN THE ORDINANCE INCLUDING ANY BEST MANAGEMENT PRACTICES (BMPs) AS DEEMED NECESSARY TO MEET THE PURPOSE OF THE STORMWATER ORDINANCE. SAID MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

- OWNER SHALL REGULARLY PERFORM ALL INSPECTION AND MAINTENANCE OF THE STORMWATER FACILITIES AS IS NECESSARY AND DESIRABLE TO INSURE THE PROPER FUNCTIONING OF THE STORMWATER FACILITIES.
- OWNER SHALL NOT ALTER THE AREA OF THE STORMWATER FACILITY IN A MANNER WHICH WOULD CAUSE THE FACILITY TO DIFFER FROM WHAT IS SHOWN ON THE PLAN WITHOUT WRITTEN APPROVAL OF THE TOWNSHIP AND DEP.
- OWNER SHALL REMOVE DEBRIS AND SILT FROM THE FACILITY TO ENSURE THAT THE FACILITY REMAINS IN GOOD WORKING ORDER.
- OWNER SHALL MAKE ALL REPAIRS NECESSARY TO ENSURE THE CONTINUED PROPER OPERATION OF THE FACILITY.
- OWNER SHALL REESTABLISH VEGETATION BY SEEDING AND MULCHING OR SOONER SLOPED AREAS WHERE VEGETATION HAS NOT BEEN SUCCESSFULLY ESTABLISHED OR WHERE THE VEGETATION HAS BEEN DAMAGED OR DESTROYED.
- OWNER SHALL NOW AS NECESSARY TO MAINTAIN ADEQUATE STRANDS OF GRASS AND TO CONTROL WEEDS. CHEMICAL WEED CONTROL MAY BE USED IF FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS ARE MET.
- OWNER SHALL REMOVE THE SILT FROM ALL PERMANENT STRUCTURES WHICH TRAP SILT OR SEDIMENT IN ORDER TO KEEP THE MATERIAL FROM BUILDING UP IN GRASS WATERWAYS, PIPES, DETENTION OR RETENTION BASINS, INFILTRATION STRUCTURES, BMPs AND/OR OTHER FACILITIES, AND THUS REDUCING THEIR CAPACITY.
- OWNER SHALL KEEP ALL PIPES, SWALES, DETENTION FACILITIES AND OUTLET STRUCTURES FREE OF ANY DEBRIS OR OTHER OBSTRUCTION.
- OWNER SHALL IMPLEMENT THE OPERATION AND MAINTENANCE SCHEDULE IN ACCORDANCE WITH THIS PLAN.

BMP MATERIAL DISPOSAL REQUIREMENTS

MATERIALS REMOVED FROM BMPs DURING MAINTENANCE AND REPAIR ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AT EITHER A PROPERLY LICENSED LANDFILL OR A COMPOSTING FACILITY. MORE SPECIFICALLY:

- IF MOWING ACTIVITIES OCCUR WITHIN ABOVE GRADE BMPs, THE OPERATOR IS REQUIRED TO COLLECT ALL GRASS CLIPPINGS AND DISPOSE OF THE CLIPPINGS IN A LANDFILL OR COMPOSTING FACILITY.
- ANY SEDIMENT TAKEN FROM BMPs SHALL BE DISPOSED OF IN A LANDFILL.
- TRASH SHALL BE PROPERLY DISPOSED OF BY A TRASH CARRIER OR BROUGHT DIRECTLY TO A LANDFILL. APPROPRIATE MATERIALS SHALL BE RECYCLED BY A RECYCLING CARRIER OR BROUGHT TO A RECYCLING CENTER.
- ANY WEEDS OR DEBRIS TAKEN FROM ABOVE GRADE BMPs SHALL BE DISPOSED OF IN A LANDFILL OR BROUGHT TO A COMPOSTING CENTER.

GEOLOGIC FORMATION NOTE

THERE ARE NO GEOLOGIC FORMATIONS OR SOIL CONDITIONS ON THE PROJECT SITE THAT HAVE THE POTENTIAL TO CAUSE POLLUTION DURING EARTH DISTURBANCE ACTIVITIES. EXPOSED SOIL WILL BE CONTAINED WITH SILT SOCK.

POTENTIAL THERMAL IMPACT NOTE

POTENTIAL FOR THERMAL IMPACTS ADDRESSED: PROPOSED ADDITIONAL IMPERVIOUS AREA HAS THE POTENTIAL TO INCREASE THE TEMPERATURE OF RUNOFF FROM THE SITE. A PORTION OF THE EXISTING IMPERVIOUS SURFACES WHICH ARE CURRENTLY LOCATED WITHIN THE RIPARIAN BUFFER AND/OR FLOODPLAIN WILL BE REMOVED AND THE AREAS RESTORED WITH NATIVE SPECIES, THUS OFF-SETTING SOME OF THE NEW IMPERVIOUS COVERAGE. THE PROPOSED DWELLING HAS BEEN LOCATED TO MAINTAIN THE EXISTING DRIVEWAY AND THE INCREASE IN IMPERVIOUS COVERAGE WILL BE MANAGED WITH THE UNDERGROUND DETENTION BASIN. THE PROPOSED DESIGN ALSO PROVIDES FOR NATIVE LANDSCAPING, SO MUCH OF THE POST DEVELOPMENT RUNOFF WILL FLOW OVERLAND TO TOWNSHIP DETENTION BASIN WHERE THE RUNOFF WILL BE DETAINED BELOW GROUND. THIS UNDERGROUND STORAGE WILL PROVIDE COOLING OF ANY HEATED RUNOFF PRIOR TO IT REACHING THE RECEIVING WATERS. FURTHERMORE, THE EXISTING RIPARIAN BUFFER TO THE CREEK WILL BE MAINTAINED WITH THE PROPOSED SITE IMPROVEMENTS.

TEMPORARY STABILIZATION & PERMANENT STABILIZATION

- MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 AND STEEPER.
- STRAW MULCH SHALL BE APPLIED IN LONG STRANES, NOT CHOPPED OR FINELY BROKEN.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REVENUE MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REPAIRING, RESEEDING, AND RENEWING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED. EROSION P108
- SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

TEMPORARY SEEDING SPECIFICATIONS

ALL DISTURBED EARTH SURFACES OR TOPSOIL SHALL BE STABILIZED AND SEEDING WITH A CONTRACTOR'S MIX IN ACCORDANCE WITH PA DEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL MARCH 2012, CURRENT EDITION, AS FOLLOWS:

MIXTURE 1- ANNUAL RYEGRASS, SPREAD AT A SEEDING RATE OF 10 LB. PER 1,000 SQ. YDS.
MIXTURE 2- PERENNIAL RYEGRASS SPREAD AT A SEEDING RATE OF 15 LB. PER 1,000 SQ. YDS.

OTHER MIXTURES PER TABLE 11.4 MAY BE USED WITH CONSERVATION DISTRICT APPROVAL.

LIME AND FERTILIZER AND MULCH SPECIFICATIONS

TEMPORARY SEEDING -
- LIME 2000 LB PER ACRE
- FERTILIZER 10-10-10 500 LB PER ACRE
- MULCH, HAY OR STRAW - 3 TONS PER ACRE (AFTER TEMPORARY SEEDING HAS BEEN PERFORMED)

PERMANENT SEEDING SPECIFICATIONS

IMMEDIATELY UPON FINAL GRADING OF ANY PHASE OR SECTION, TOPSOIL SHALL BE BROUGHT BACK OVER THE DISTURBED AREAS WHICH ARE NOT TO BE PAVED OR BUILT UPON. THIS TOPSOIL SHALL BE SPREAD TO A SMOOTH FINISH GRADE WITH A MINIMUM DEPTH OF SIX (6) INCHES. THE TOPSOIL SHALL THEN BE:

- BARED FREE OF STONES;
- LIMED AND FERTILIZED AS NECESSARY;
- PLANTED WITH GRASS OR OTHER SPECIFIED SEED, AND
- MULCHED TO PROTECT THE SEED FROM DRYNESS AND EROSION. (STRAW OR HAY AT 1240 LB. PER 1000 SQ. YDS.)

PERMANENT SEEDING SHALL BE UNDERTAKEN IN ACCORDANCE WITH PA DEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL MARCH 2012, CURRENT EDITION, AS FOLLOWS:

MIXTURE 2- PRIMARILY KENTUCKY BLUEGRASS, SPREAD AT A SEEDING RATE OF 25 LB. PER 1000 SQ. YDS.

OTHER MIXTURES PER TABLE 11.4 MAY BE USED WITH CONSERVATION DISTRICT APPROVAL.

NOTE: SLURRY APPLICATIONS MUST INCLUDE A STRAW MULCH BINDER AT A RATE OF 3.0 TONS PER ACRE.

LIME AND FERTILIZER SPECIFICATIONS

PERMANENT SEEDING -

-PULVERIZED AGR. LIMESTONE- 410 LBS. PER 1,000 S.Y.
-10-10-20 ANALYSIS COMMERCIAL- 140 LBS. PER 1,000 S.Y.

MULCHED TO PROTECT THE SEED FROM DRYNESS AND EROSION. (STRAW OR HAY AT 1240 LB. PER 1000 SQ. YDS.)

MAINTENANCE PROGRAM

RECORD KEEPING: THE SITE OPERATOR SHOULD KEEP WRITTEN REPORTS OF WHEN EROSION CONTROL BMPs ARE INSPECTED, CLEANED, REPAIRED, OR OTHERWISE ALTERED. REPORTS SHALL INCLUDE THE DATE AND TIME OF INSPECTION AND REPAIR, THE NAME OF THE PERSON CONDUCTING THE WORK, TIME SINCE LAST RAINFALL EVENT, AND DESCRIPTION OF ANY REPAIRS. RECEIPTS, REPORTS AND RECORDS SHALL BE FILED SHOULD DEP OR THE MUNICIPALITY REQUIRE DOCUMENTATION OF BMP IMPLEMENTATION.

ROCK CONSTRUCTION ENTRANCE

ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

COMPOST FILTER SOCKS

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED OF IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR.

POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

INLET PROTECTION

INLETS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE DEPTH OF A FILTER BAG OR WHEN FLOW CAPACITY IS REDUCED SO AS TO CAUSE FLOODING OR BYPASS OF THE INLET.

DAMAGED OR CLOGGED BAGS SHALL BE REPLACED IMMEDIATELY FOLLOWING INSPECTION.

TOPSOIL STOCKPILE

SILT FENCE MUST BE PLACED AROUND THE PERIMETER OF ALL STOCKPILES. UPON COMPLETION OR TEMPORARY CESSATION OF DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED.

DEWATERING BAGS

LIMIT PUMPING RATE TO 1/2 THE MANUFACTURER'S MAXIMUM PUMPING RATE.

WHEN SEDIMENTS FILL 1/2 THE VOLUME OF FILTER BAG, IMMEDIATELY REMOVE FROM SERVICE. PROPERLY DISPOSE OF SPENT BAGS AND SEDIMENT.

CONCRETE WASHOUT

CONCRETE WASHOUT SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% OF THE WASHOUT CAPACITY. ANY PLASTIC LINERS USED SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

UNFORESEEN EROSION CONDITIONS

- SHOULD ANY UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE THE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD SHEDS, HAY BALS, COMPOST, STOKES OF WOOD SHEDS, AND OTHER ACCEPTABLE MULCHES SHALL BE HELD IN READINESS TO IMMEDIATELY ADDRESS EMERGENCY EROSION AND SEDIMENTATION PROBLEMS.
- THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH ALL OF THE PROVISIONS OF APPENDIX 84, "EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUB-PART C, PROTECTION OF NATURAL RESOURCES, ARTICLE 10, WATER RESOURCES, CHAPTER 102, EROSION CONTROL."
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT ALL EROSION & AIR AND WATER POLLUTION IS MINIMIZED. STATE & LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE OBSERVED.
- MEASURES FOR THE PROTECTION OF EXISTING TREES AND SHRUBS SHALL BE TAKEN BY THE CONTRACTOR TO ELIMINATE UNNECESSARY DAMAGE.
- A COPY OF THESE EROSION & SEDIMENT POLLUTION CONTROL PLANS MUST BE POSTED AND AVAILABLE AT THE CONSTRUCTION SITE IN ACCORDANCE WITH STATE AND FEDERAL LAW.

SEEDING AND MULCHING NOTES

- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENT. ANY DISTURBED AREA ON WHICH CONSTRUCTION ACTIVITY HAS CEASED MUST BE IMMEDIATELY SEEDING AND MULCHED. DURING NON-GERMINATION PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDEVELOPED WITHIN ONE (1) YEAR SHALL BE IMMEDIATELY MULCHED AND SEEDING WITH A QUICK-GROWING TEMPORARY SEED MIXTURE. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDEVELOPED WITHIN ONE YEAR MUST BE IMMEDIATELY MULCHED AND SEEDING WITH THE PERMANENT SEED MIXTURE.
- OVERSOWS, CHANNELS, SWALES, SEDIMENT BASINS, SEDIMENT TRAPS SHALL BE STABILIZED IMMEDIATELY WITH EROSION CONTROL BLANKET AND SEEDING. SOIL STOCKPILES AND ALL OTHER DISTURBED AREAS SHALL BE SEEDING AND MULCHED IMMEDIATELY.
- HAY/STRAW MULCH MUST BE APPLIED AT A RATE OF AT LEAST 3 TONS PER ACRE.
- AREAS UTILIZING VEGETATIVE STABILIZATION MUST BE SEEDING AND MULCHED WITHIN THE APRIL 15TH TO OCTOBER 15TH GERMINATION WINDOW. SEEDING WILL ACCOMPLISHED THROUGH HYDROSEEDING OR CONVENTIONAL SEEDING METHODS. (NOTE: HYDROSEEDING IS NOT CONSIDERED STABILIZATION UNTIL IT GERMINATES.)
- GEOTEXTILE EROSION CONTROL CHANNEL LINING AND SLOPE PROTECTION SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS IMMEDIATELY UPON THE COMPLETION OF GROWING ACTIVITIES.

EROSION CONTROL REVISION NOTE

- BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E & S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE MONTGOMERY COUNTY. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.

PCSM BMP OPERATIONS AND MAINTENANCE REQUIREMENTS

BMP TYPE: SUBSURFACE BASIN

APPLIED AREAS: THIS BMP APPLIES TO SUBSURFACE INFILTRATION BASINS

EQUIPMENT: VISUAL INSPECTION, VAC TRUCK AS NEEDED

RECORD KEEPING: THE SITE OPERATOR/MANAGER SHOULD KEEP LOGS OF WHEN THE FACILITY IS CLEANED AND FILE THE RECEIPTS OR LOGS FOR THEIR RECORDS SHOULD THE MUNICIPALITY REQUIRE DOCUMENTATION OF THE BMP IMPLEMENTATION.

RESPONSIBLE PARTY: THE OWNER OR AUTHORIZED OWNER REPRESENTATIVE, IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF BMPs ONCE CONSTRUCTION IS COMPLETED.

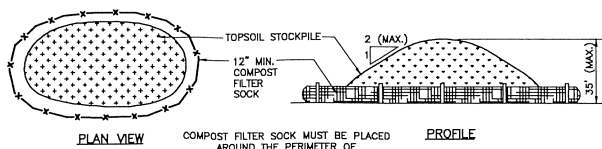
VISUAL INSPECTION

THE UNDERGROUND BASINS SHALL BE INSPECTED AT THE END OF THE WINTER SEASON, AT LEAST ONCE EVERY THREE MONTHS AND AFTER ANY MAJOR RAINFALL EVENT TO INSURE THAT THE BED IS REMAINING AT THE BED DEPTH. THE BED DEPTH SHOULD BE THE DEPTH OF THE BED WHEN THERE HAVE BEEN CONTINUOUS RAIN EVENTS ALLOW AN ADDITIONAL 24 HOURS FOR DRAINDOWN.

THE BED SHALL BE INSPECTED AT THE POP-UP EMITTER. LOG BOOK ENTRIES SHALL NOTE THE DATE, TIME, APPROXIMATE NUMBERS OF DAYS AFTER A RAINFALL EVENT, AND NAME OF PERSON INSPECTING THE FACILITY. INSPECTIONS DO NOT NEED TO BE COMPLETED BY A PROFESSIONAL AND CAN BE COMPLETED BY ON-SITE STAFF.

BED MAINTENANCE

OWNER SHALL FIELD VERIFY DRAW DOWN TIME AFTER EACH MAJOR STORM. SHOULD IT BE DETERMINED THAT THE BASIN IS NOT DRAINING PROPERLY, THEN THE BASIN SHALL BE DRAINED BY USE OF A VAC TRUCK AND THE BOTTOM CLEANED ACCORDINGLY. IT IS IMPERATIVE THAT IF THIS OCCURS, THAT A MORE FREQUENT MAINTENANCE REGIME OCCUR IN THE UPSTREAM DRAINAGE FACILITIES. SEDIMENT BUILD-UP AND CLOGS SHALL BE REMOVED IMMEDIATELY. IF THE BASIN CONTINUES TO HOLD WATER A PROFESSIONAL ENGINEER AND THE CONSERVATION DISTRICT SHOULD BE CONSULTED FOR FURTHER INVESTIGATION AND REMEDIATION AS NECESSARY.



1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. U.S. CUSTOMARY UNITS IN () PARANTHESIS.
2. METRIC UNITS INDICATED ARE SOFT CONVERTED FROM U.S. CUSTOMARY UNITS.
3. DESIGN SPECIFICATIONS AND REQUIREMENTS:
 - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND AS SUPPLEMENTED BY THE DESIGN MANUAL, PART 4, STRUCTURES.
 - DESIGN IS IN ACCORDANCE WITH THE LOAD AND RESISTANCE FACTOR DESIGN METHOD (LRFD).
 - INLET BODIES ARE DESIGNED FOR AN ALLOWABLE FOUNDATION PRESSURE EQUAL TO 0.190 MPa (2.0 TONS/SQ. FT.) AT THE SERVICE LIMIT STATE.

1. CONSTRUCTION SPECIFICATIONS:
 - PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. AND THE CONTRACT SPECIAL PROVISIONS.
2. SHOP DRAWINGS FOR INLET BOXES, TOP SLABS, AND TRANSITION SLABS ARE NOT REQUIRED IF THE ITEM IS CONSTRUCTED/FABRICATED IN ACCORDANCE WITH THIS STANDARD.
3. THIS STANDARD SPECIFIES THE DIMENSIONS REQUIRED FOR UNIFORMITY AND INTERCHANGABILITY OF INLET BOXES AND INJECTS DETAILS REQUIRED FOR FABRICATION OR MANUFACTURING. FOR DEVIATIONS OR MODIFICATIONS OF THE STANDARDS, SUMMIT SHALL BE REQUIRED TO OBTAIN PERSON HIGHWAY QUALITY ASSURANCE DIVISION CHIEF FOR REVIEW AND ACCEPTANCE.
4. THE DESIGNER IS RESPONSIBLE FOR DETERMINING THE TYPE OF INLET BOX REQUIRED BASED ON THE REQUIRED PIPE SIZES AND PIPE OPENINGS(S). REFER TO TABLES A AND B FOR THE ALLOWABLE INLET BOX TYPES AND THE DESIGNER IS RESPONSIBLE TO DETERMINE THE REQUIRED PAY ITEM FOR AN INSTALLATION BASED ON THE OVERALL DESIGN OF THE PROJECT.
5. THE SELECTION OF COMPONENTS TO ACHIEVE A SPECIFIED INLET ASSEMBLY IS THE CONTRACTOR'S RESPONSIBILITY, UNLESS OTHERWISE INDICATED ON THE CONTRACT DOCUMENTS.
6. THE SIZE OF THE INLET TOP UNITS, PER RC-45M, ARE BASED ON THE MINIMUM DIMENSIONS INDICATED FOR THE STANDARD INLET BOX.
7. MINIMUM PIPE DIAMETERS IS INDICATED:
 - FILL HEIGHT LESS THAN 10' TO 1600 mm (25'1" - 450 mm (18") FOR CIRCULAR PIPE (OR EQUIVALENT SIZE PIPE ARCH)
 - FILL HEIGHTS GREATER THAN 1600 mm (25'1") 600 mm (24")
8. INLET BOX TOP DIMENSIONS ARE BASED ON PROVIDING A PIPE OPENING TO ACCOMMODATE A MINIMUM 12" DIAMETER INLET. FOR 18" OR 24" DIAMETER PIPES, A LARGER PIPE SIZE IS REQUIRED. THE DESIGNER IS RESPONSIBLE FOR PROVIDING REINFORCEMENT TO MAINTAIN THE INLET BOX WITH POSITIVE REINFORCEMENT.
9. INLETS THAT EXCEED THE MAXIMUM HEIGHT INDICATED REQUIRE SPECIAL DESIGN AND DETAILS. DESIGNER IS RESPONSIBLE FOR PROVIDING DESIGN AND DETAILS IN ACCORDANCE WITH REINFORCEMENT REQUIREMENTS.
10. SHOW ORIENTATION OF INLET BOXES ON THE CONTRACT DRAWINGS.
11. THE TOP SLAB IS NOT PERMITTED TO BE POURED MONOLITHICALLY WITH THE ADJACENT BOX SECTION.
12. PROVIDE 50 mm (2") DIAMETER NEOPHILES IN THE WALLS WHEN THE DEPTH BETWEEN THE FINISHED ROAD SURFACE AND THE INLET BOX TOP SLAB ELEVATION IS GREATER THAN 3048 mm (10'-0").
 - HORIZONTAL PLACEMENT OF NEOPHILES IN THE TOP SLAB SHALL BE PERPENDICULAR TO TRAFFIC.
 - HORIZONTAL PLACEMENT PLACE NEOPHILES IN THE SIDE WALLS THAT ARE PERPENDICULAR TO TRAFFIC.
 - LOCATE NEOPHILES AT A MINIMUM OF 150 mm (6") FROM PIPE OPENINGS OR JOINTS.
 - LOCATE NEOPHILES A MINIMUM OF 305 mm (1'-0") ABOVE OUTLET PIPE INVERT.
13. PROVIDE MANHOLE STEPS WHEN THE DEPTH BETWEEN THE FINISHED GRADE ELEVATION AND THE INLET BOX TOP SLAB ELEVATION IS GREATER THAN 1524 mm (5'-0") OR RECESSES, ON THE INSIDE FACE OF THE INLET, NOT GREATER THAN 10 mm (.3/4") IN DEPTH. PROVIDE MANHOLE STEPS WHEN THE RECESSES ARE ACCEPTABLE AND DO NOT REQUIRE PATCHING. FOR DETAILS, REFER TO RC-30M.
14. IF A REQUIRED DETAIL IS NOT FOUND IN THIS STANDARD OR ON THE CONTRACT DRAWINGS THE SUBMITTER SHALL PROVIDE A DETAIL FOR REVIEW AND APPROVAL BY THE BUREAU OF DESIGN/HIGHWAY QUALITY ASSURANCE DIVISION CHIEF.
15. FOR INLETS TO TOPS, GRATES, GRADE ADJUSTMENT RINGS AND FRAMES, REFER TO RC-45M.

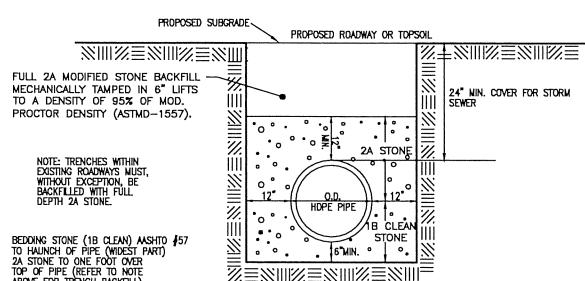
1. PROVIDE THE FOLLOWING CONCRETE CLASS:
 - * CAST-IN-PLACE CLASS A CEMENT CONCRETE
(DESIGN COMPRESSIVE STRENGTH, $f'_c = 21 \text{ MPa (3,000 PSI)}$)
 - * PRECAST CLASS AA CEMENT CONCRETE, MODIFIED
(DESIGN COMPRESSIVE STRENGTH, $f'_c = 28 \text{ MPa (4,000 PSI)}$)
2. A HIGHER STRENGTH OF CONCRETE MAY BE SUBSTITUTED FOR A LOWER STRENGTH OF CONCRETE AT NO ADDITIONAL COST TO THE DEPARTMENT. SUBMIT MIX DESIGN TO THE DEPARTMENT FOR REVIEW AND ACCEPTANCE.
3. REINFORCEMENT STEEL:
 - * PROVIDE GRADE 420 (GRADE 60) DEFORMED REINFORCEMENT BARS THAT MEET

- THE REQUIREMENTS OF ASTM A618 (A618) OR ASTM A708 (A708), DO NOT WELD REINFORCEMENT BARS TOGETHER TO FORM A PERMANENT JOINT. REINFORCING PEGS, ALL REINFORCEMENT BARS SHOWN AND NOT CONVERTED METRIC SIZES.
 - PROVIDE MINIMUM LAP SPACING FOR REINFORCEMENT BARS OF 30 DIAMETERS OR IN ACCORDANCE WITH THE CURRENT ASHTO SPECIFICATIONS TO TABLE OF SET (3)
 - BAR END
 - MINIMUM LAP SPACING = 102 mm (4")
 - MAXIMUM SPACING = 305 mm (12") OR 1.5 MEMBER THICKNESS
 - PERMITTED BAR SIZES:
 - INLET BOXES: #10 (#3), #13 (#4), #16 (#5), #19 (#6)
 - LARGER BAR SIZES ARE PERMITTED IN THE TOP SLABS AND TRANSITION SLABS.
 - MINIMUM AREA OF STEEL REQUIREMENTS FOR REINFORCEMENT BARS
 - WALLS = 318 mm²/m (0.15 in²/ft) EACH WAY
 - BOTTOM SLAB
 - TOP MAT = 424 mm²/m (0.20 in²/ft) EACH WAY
 - BOTTOM MAT = 424 mm²/m (0.20 in²/ft) EACH WAY
4. WELDED WIRE FABRIC (WFF):
- PROVIDE GRADE 452 (GRADE #5) PLAIN WELDED WIRE FABRIC THAT MEET THE REQUIREMENTS OF ASTM A185 ON GRADE 40 GRADE TO DEFORMED WELDED WIRE FABRIC THAT MEET THE REQUIREMENTS OF ASTM A675.
 - WFF MAY BE USED FOR REINFORCEMENT OF ALL WELDED WIRE FABRIC AND NOT CONVERTED METRIC SIZES.
 - PROVIDE MINIMUM LAP SPACING FOR WFF TO BE EQUAL TO THE LARGER OF MAXIMUM SPACING OR 305 mm (12")
 - WIRE SPACING:
 - MINIMUM SPACING = 51 mm (2")
 - MAXIMUM SPACING = 305 mm (12") OR 1.5 MEMBER THICKNESS
 - PERMITTED WIRE SIZE:
 - MINIMUM WIRE SIZE = W#6 (4) - W#25 (104)
 - MAXIMUM WIRE SIZE = W#19 (800) - W#40 (1620)
 - WFF IS NOT PERMITTED IN THE CAST-IN-PLACE INLET BOXES.
 - WFF IS NOT PERMITTED IN THE TRANSITION SLABS.
 - MINIMUM AREA OF STEEL REQUIREMENTS FOR WFF:
 - WALLS = 255 mm²/m (0.12 in²/ft) EACH WAY
 - BOTTOM SLAB
 - TOP MAT = 424 mm²/m (0.20 in²/ft) EACH WAY
 - BOTTOM MAT = 424 mm²/m (0.20 in²/ft) EACH WAY
5. NON-SHRINK GROUT:
- PROVIDE NON-SHRINK GROUT IN ACCORDANCE WITH PUBLICATION 408, SECTION 1001.2(c).
6. EPOXY BONDING COMPOUND:
- PROVIDE EPOXY BONDING COMPOUND IN ACCORDANCE WITH PUBLICATION 408, SECTION 1001.2(c).
7. JOINTS:
- PROVIDE JOINT IN ACCORDANCE WITH PUBLICATION 408, SECTION 105.7(b).
8. CALCULATING COMPOUND:
- PROVIDE CALCULATING COMPOUND IN ACCORDANCE WITH PUBLICATION 408, SECTION 105.8(a).
9. MANHOLE:
- PROVIDE MANHOLE SIZES IN ACCORDANCE WITH PUBLICATION 408, SECTION 105.5(b).
10. GASKETS:
- PROVIDE MANHOLE SETS IN ACCORDANCE WITH PUBLICATION 408, SECTION 605.2(c).
11. SURFACE MATERIAL AND PREPARATION:
- PROVIDE NO. 24 COURSE OF GRANITE IN ACCORDANCE WITH PUBLICATION 408, SECTION 102.2 AND COMPACT IN ACCORDANCE WITH PUBLICATION 408, SECTION 350.3(a).
 - PROVIDE 150 mm (6") COMPACT GRANITE IN ACCORDANCE WITH PUBLICATION 408, SECTION 350.3(a).
 - PROVIDE A 300 mm (1'-0") MINIMUM DEPTH.

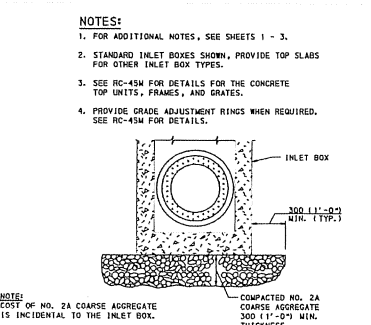
1. CONSTRUCT OR PLACE INLET BOXES LEVEL, UNLESS OTHERWISE INDICATED OR DIRECTED.
2. CONSTRUCT OR PLACE INLET BOXES ON A SUBBASE CONSTRUCTED OF COMPACTED NO. 2A, COURSE COURSE, PLACEMENT AND COMPACT IN 100 mm (4") LAYERS TO PROVIDE A 300 mm (12") MINIMUM DEPTH.
3. LOCATE PIPE OR PIPES AS INDICATED OR REQUIRED.
4. CONNECT PIPES TO INLET BOXES WITH MORTAR OR WATERPROOF RUBBER FLEXIBLE JOINTS.
5. FORM BOTTOM OF INLET, USING CLASS C CEMENT CONCRETE, TO CHANNEL THE FLOW TOWARD THE OUTLET PIPE.
6. FORM TOP OF INLET TO BE 100 mm (4") ABOVE THE TOP OF THE INLET BOX, TO 300 mm (12") CENTER TO CENTER MAXIMUM WHEN THE THICKNESS EXCEEDS 75 mm (3").
7. BACKFILL EXCAVATED SPACES AROUND THE STRUCTURE WITH ACCEPTABLE ENKAMMENT MATERIAL.
8. THE FOLLOWING ITEMS ARE INCIDENTAL TO THE COST OF THE INLET BOX PAY ITEM EXCAVATION, FORMWORK, CONSTRUCTION, AND INSTALLATION:
 - a. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - b. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - c. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - d. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - e. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - f. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - g. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - h. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - i. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - j. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - k. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - l. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - m. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - n. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - o. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - p. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - q. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - r. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - s. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - t. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - u. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - v. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - w. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - x. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - y. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.
 - z. THE COST OF THE INLET BOXES, INLET BOXES, AND INLET BOXES.

1. CONSTRUCT INLET BOXES IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 714.
2. PROVIDE PRECAST CONCRETE INLET BOXES SUPPLIED BY A MANUFACTURER LISTED IN BULLETIN 15.
3. PROVIDE A TOP SLAB TO SUPPORT THE INLET TOP UNITS M, S, C AND C ALTERNATE WHEN A STANDARD INLET BOX IS NOT SPECIFIED. PROVIDE OPENING TO ACCOMMODATE STANDARD SIZE PIPE COMPONENTS. PROVIDE A TOP SLAB WITH A ROUND OPENING FOR MANHOLE COVER WHEN SPECIFIED ON THE CONTRACT DRAWINGS.
4. PROVIDE A TRANSITION SLAB BETWEEN TWO SEPARATE INLET BOX SIZES, WHEN TWO

5. CLEAR COVER FOR STEEL
 - * WALLS 38 mm ($1\frac{1}{2}$ ")
 - * FOOTINGS (BOTTOM SLAB)
 - * TOP COVER 50 mm ($2\frac{1}{4}$ ")
 - * BOTTOM COVER 38 mm ($1\frac{1}{2}$ ")
 - * SIDE COVER 38 mm ($1\frac{1}{2}$ ")
 - * TOP AND TRANSITION SLABS (TOP AND BOTTOM): 38 mm ($1\frac{1}{2}$ ")
6. MINIMUM SLAB AND WALL THICKNESS:
 - * MINIMUM TOP SLAB THICKNESS: 203 mm (8")
 - * MINIMUM WALL THICKNESS: 152 mm (6")
 - * MINIMUM BOTTOM SLAB THICKNESS: 152 mm (6")
 - * MINIMUM BOTTOM SLAB THICKNESS: 203 mm (8")
7. THICKNESS OF WALL IS PERMITTED TO VARY FROM SECTION TO SECTION. INSIDE FACE OF WALLS MUST ALIGN BETWEEN SECTIONS.
8. FABRICATOR IS RESPONSIBLE FOR LIFTING, HANDLING AND TRANSPORTATION STRESSES
9. LIFTING DEVICES
 - * PROVIDE GALVANIZED STEEL OR PLASTIC LIFTING DEVICES FOR HANDLING AND INSTALLATION.
 - * FILL LIFTING DEVICES WITH NON-SHRINK GROUT AFTER INSTALLATION.
 - * PROVIDE LIFTING DEVICES WITH MINIMUM CAPACITY OF AT LEAST FOUR TIMES THE CALCULATED LOAD ON THE DEVICE.
10. TAPERS MAY BE PROVIDED ON THE INSIDE AND/OR OUTSIDE VERTICAL FACES OF THE INVERTED TAPERED STRIPPING. TAPERS MAY RESULT IN INTERFERING WITH THE FORMWORK. TAPERS SHALL BE LIMITED TO A MAXIMUM OF 10% OF THE TOTAL VERTICAL FACE OF THE STRIPPER. TAPERS SHALL BE LIMITED TO A MAXIMUM OF 10% PER SIDE.
11. KEED JOINTS SHALL BE CONSTRUCTED UPWARDS OR DOWNWARDS. CLEAN JOINTS AND KEYS THOROUGHLY BEFORE PLACING NEXT SEGMENT. PLACE JOINTS OR CAULKING COMPOUND BETWEEN JOINTS IN ACCORDANCE WITH THIS STANDARD.
12. PROVIDE EITHER A SHIPLAP OR KEED JOINT BETWEEN THE BOTTOM OF THE TOP SLAB AND THE TOP OF THE BOTTOM SLAB
13. PROVIDE EITHER A SHIPLAP OR KEED JOINT BETWEEN THE TRANSITION SLAB AND THE ADJACENT TOP AND BOTTOM SECTIONS.
14. PROVIDE EITHER A SHIPLAP OR KEED JOINT BETWEEN PRECAST SECTIONS.
15. SEGMENT HEIGHTS:
 - * MINIMUM HEIGHT:
 - * RISER SECTIONS = 305 mm ($1'-0"$)
 - * BASE SECTIONS = 210 mm ($8'-0"$)
 - * MAXIMUM HEIGHT = 2438 mm (8'0")



NOTE:
ALL UTILITY TRENCHES WITHIN EXISTING ROADWAYS, PROPOSED ROADWAYS, ALL RIGHT OF
WAYS, EASEMENTS, PROPOSED DRIVEWAYS, APRONS AND SIDEWALKS MUST, WITHOUT
EXCEPTION, BE BACKFILLED WITH FULL DEPTH 2A STONE AFTER TOP SCREENING.
ALL UTILITY TRENCHES MUST BE COMPACTED (MECHANICALLY TAMPED) IN 6" LIFTS.



(SEE FIELD CONSTRUCTION NOTES ON SHEET 1)

WALL THICKNESS

INSIDE FACE

50# (27mm) FORMED WEIRPOLE

LEVEL

NOTE:
COST OF NO. 57 COARSE AGGREGATE
AND GEOTEXTILE IS INCIDENTAL TO
THE INLET BOX.

(SEE GENERAL NOTE 15 ON SHEET 1)

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