

PROJECT NOTES:

1. PARCEL DATA:
TAX MAP NO: 26-009.10-001
2. DNREC SEDIMENT AND STORMWATER PROGRAM NO.:
3. ADDRESS: 701 W. THIRTY FOURTH STREET, WILMINGTON, DE, 19802
4. LATITUDE/LONGITUDE: N 39.7375 / W 75.5555 (AT SITE BENCHMARK)
5. EXISTING SITE AREA: 21.26± ACRES
6. SOURCE OF TOPOGRAPHY: FIELD SURVEY BY VANDEMARK & LYNCH, INC. MARCH 1999, APRIL 2006, AND OCTOBER 2016.
7. VERTICAL DATUM: NORTH AMERICA VERTICAL DATUM 1988 (N.A.V.D. 88)
8. HORIZONTAL DATUM: DELAWARE STATE PLANE (N.A.D. 83)
9. SITE BENCHMARK: TOP OF CONCRETE MONUMENT ALONG FRANKLIN PLACE ELEVATION 129.49
10. AS SCALED FROM THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP, NUMBER 13003C0098L, WITH AN EFFECTIVE DATE OF JANUARY 17, 2007 AND 13003C0098K, WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2015, THIS PROPERTY DOES NOT LIE WITHIN A 100-YEAR FLOODPLAIN.
11. PROPOSED DISCHARGE LOCATION: CITY OF WILMINGTON COMBINED SEWER
12. PROPOSED TOTAL LIMIT OF DISTURBANCE: 5.3± ACS.
13. OWNER DATA:
BRANDYWINE SCHOOL DISTRICT
1311 BRANDYWINE BLVD.
WILMINGTON, DE, 19809
PHONE: 302-529-3110
14. LAND DEVELOPER DATA:
BRANDYWINE SCHOOL DISTRICT
1311 BRANDYWINE BLVD.
WILMINGTON, DE, 19809
PHONE: 302-529-3110
15. DESIGNER DATA:
STEPHEN H. ROSENFELD, P.E.
VANDEMARK & LYNCH, INC.
4305 MILLER ROAD
WILMINGTON, DE, 19802
PHONE: 302-764-7635
FAX: 302-764-4170
16. REVIEW AGENCY DATA:
ELANE WEBB
DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DIVISION OF WATERSHED STEWARDSHIP; SEDIMENT AND STORMWATER PROGRAM
89 KINGS HIGHWAY
DOVER, DE, 19901
PHONE: 302-739-9921
FAX: 302-739-9724

SEDIMENT AND STORMWATER CONSTRUCTION NOTES:

1. THE DNREC SEDIMENT AND STORMWATER PROGRAM MUST BE NOTIFIED IN WRITING FIVE (5) DAYS PRIOR TO COMMENCING WITH CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
2. REVIEW AND OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SEDIMENT AND STORMWATER REGULATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM ERRORS OR OMISSIONS IN THE APPROVED PLAN.
3. IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY DNREC OR THE DELEGATED AGENCY.
4. FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED FOR ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WITHIN 14 CALENDAR DAYS UNLESS MORE RESTRICTIVE FEDERAL REQUIREMENTS APPLY.
5. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
6. AT ANY TIME A DEWATERING OPERATION IS USED, IT SHALL BE PREVIOUSLY APPROVED BY THE AGENCY CONSTRUCTION SITE REVIEWER FOR A NON-EROSIVE POINT OF DISCHARGE, AND A DEWATERING PERMIT SHALL BE APPROVED BY THE DNREC WELL PERMITTING BRANCH.
7. APPROVED PLANS REMAIN VALID FOR 5 YEARS FROM THE DATE OF APPROVAL.
8. ~~POST-CONSTRUCTION-VERIFICATION-DOCUMENTS-ARE-TO-BE-SUBMITTED-TO-THE-DNREC-SEDIMENT-AND-STORMWATER-PROGRAM-WITHIN-60-DAYS-OF-CONSTRUCTION-FACILITY-COMPLETION.~~
9. APPROVAL OF A SEDIMENT AND STORMWATER PLAN DOES NOT GRANT OR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS, EASEMENTS, ETC., NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE LAWS.
10. THE NOTICE OF INTENT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER A NPDES GENERAL PERMIT FOR THIS PROJECT IS _____ AT ANY TIME THE OWNERSHIP FOR THIS PROJECT CHANGES, A TRANSFER OF AUTHORIZATION OR A CO-PERMITTEE APPLICATION MUST BE SUBMITTED TO DNREC. THE PERMITTEE OF RECORD SHALL NOT BE RELIEVED OF THEIR RESPONSIBILITIES UNTIL A NOTICE OF TERMINATION HAS BEEN PROCESSED BY DNREC.
11. THE OWNER SHALL BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT ASSOCIATED WITH THE PROJECT, INCLUDING, BUT NOT LIMITED TO, PERFORMING WEEKLY SITE INSPECTIONS DURING CONSTRUCTION AND AFTER RAIN EVENTS, AND MAINTAINING WRITTEN LOGS OF THESE INSPECTIONS.
12. BEFORE ANY EARTHWORK OR EXCAVATION TAKES PLACE, THE CONTRACTOR SHALL CALL MISS UTILITY AT 811 OR 1.800.282.8555 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, TO HAVE ALL EXISTING UTILITIES MARKED ON-SITE.
13. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
14. ~~BEST-AVAILABLE-TECHNOLOGY-(BAT)-SHALL-BE-EMPLOYED-TO-MANAGE-TURBID-DISCHARGES-IN-ACCORDANCE-WITH-REQUIREMENTS-OF-7-DE-6-CM-60-REGULATIONS-GOVERNING-THE-CONTROL-OF-WATER-POLLUTION-SECTION-9.1-02-KNOWN-AS-SPECIAL-CONDITIONS-FOR-STORMWATER-DISCHARGES-ASSOCIATED-WITH-CONSTRUCTION-ACTIVITIES-AND-DEPARTMENT-POLICIES-PROCEDURES-AND-GUIDANCE.~~
15. DOCUMENTATION OF SOIL TESTING AND MATERIALS USED FOR TEMPORARY OR PERMANENT STABILIZATION INCLUDING BUT NOT LIMITED TO SOIL TEST RESULTS, SEED TAGS, SOIL AMENDMENT TAGS, ETC. SHALL BE PROVIDED TO THE DEPARTMENT OR DELEGATED AGENCY TO VERIFY THAT THE PERMANENT OR TEMPORARY STABILIZATION HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLAN AND THE STANDARDS AND SPECIFICATIONS OF THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THE DEPARTMENT OR THE DELEGATED AGENCY SHALL HAVE THE DISCRETION TO REQUIRE ADDITIONAL SOIL TESTING AND REAPPLICATION OF PERMANENT OR TEMPORARY STABILIZATION IN ACCORDANCE WITH THE SPECIFICATION PROVIDED WITHIN THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, OR ALTERNATIVE MEASURES THAT PROVIDE FUNCTIONAL EQUIVALENCY.

UTILITY NOTE:

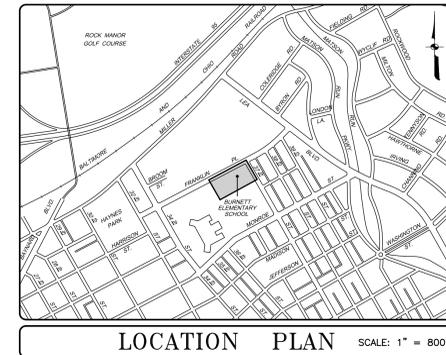
EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES INVOLVED IN ORDER TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO UTILITY LOCATION AND ELEVATION. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BEGIN WITHOUT NOTIFYING THEIR OWNERS AT LEAST 48 HOURS IN ADVANCE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AND ANY DAMAGE DONE TO THEM DUE TO THE CONTRACTORS' NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT CONTRACTORS' EXPENSE. TO LOCATE EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELAWARE (TELEPHONE 800-282-8555). THE FOLLOWING UTILITIES HAVE BEEN IDENTIFIED BY MISS UTILITY AS HAVING UNDERGROUND FACILITIES IN THE AREA OF THIS PROJECT (MISS UTILITY NO. 162750997):

DE. DEPT. OF NAT. RESOURCES & ENV. NEW CASTLE DEPARTMENT OF SPECIAL SERVICES
DELMARVA POWER DELMARVA POWER CITY OF WILMINGTON
COMCAST - UTILIQUEST VERIZON



MARGUERITE H. BURNETT MIDDLE SCHOOL DEMOLITION PROJECT SEDIMENT AND STORMWATER MANAGEMENT PLANS

CITY OF WILMINGTON
SHELLPOT WATERSHED
TAX PARCEL: 26-009.10-001
NEW CASTLE COUNTY, DELAWARE



1621 N. Lincoln Street
Wilmington, DE 19806
(P)302-658-6426
(F)302-658-8431
abhagen@ABHA.com
www.ABHA.com

CONSULTANTS

Vandemark & Lynch, Inc.
Civil Engineers

4305 Miller Road
Wilmington, DE 19899

LEGEND

---	EXISTING PROPERTY LINE	NA
---	ADJACENT PROPERTY LINE	NA
+	SITE BENCHMARK	NA
---	EASEMENT LINE	NA
---	CONTOURS	(30)
30x5	SPOT GRADES	(27.00)x
[Hatched]	BUILDING	NA
[Hatched]	CONCRETE	[Symbol]
[Hatched]	BRICK SIDEWALK	NA
[Hatched]	ASPHALT	NA
[Hatched]	CURB	NA
[Hatched]	CONCRETE WALL	NA
[Hatched]	STORM CATCH BASIN	[Symbol]
---	COMBINED SEWER LINE & MANHOLE	NA
---	CLEANOUT	NA
---	STORM SEWER LINE & MANHOLE	(W)
---	WATER LINE	(W)
---	WATER VALVE	(WV)
---	FIRE HYDRANT	NA
---	UNDERGROUND ELECTRIC	NA
---	OVERHEAD ELECTRIC	NA
---	GAS LINE	NA
X---	UTILITY POLE	X---
---	ELEC. MH	NA
---	TEL. MH	NA
---	GAS MH	NA
---	GAS VALVE	NA
---	SIGN	NA
---	LP	NA
---	MON.	NA
---	EDGE OF TREES	NA
---	DECIDUOUS TREE/SIZE	NA
---	EVERGREEN TREE/SIZE	NA
---	FLOW PATH	---
---	INLET PROTECTION TYPE 1	(IP-1)
---	INLET PROTECTION TYPE 2	(IP-2)
---	COMPOST FILTER LOG	(CFL)
---	SILT FENCE	(SF)
---	STABILIZED CONSTRUCTION ENTRANCE	[Symbol]
---	STABILIZATION MATTING-CHANNEL	(SM-C)
---	LIMIT OF DISTURBANCE	---
---	SOILS BOUNDARY	NA

STORMWATER LEGEND

---	LIMIT OF DISTURBANCE DRAINAGE BOUNDARY
---	FLOW PATH
+	P.O.I POINT OF INTEREST

THE TYPES OF SOILS LOCATED ON THIS SITE HAS BEEN IDENTIFIED AS:
NxB, NESHAMINY-URBAN LAND COMPLEX, 0 TO 8% SLOPES,
UaB, UDORTMENTS, BEDROCK SUBSTRATUM, 0 TO 8% SLOPES,
AND Uy, URBAN LAND, BEDROCK SUBSTRATUM

EXISTING IMPERVIOUS COVER IN LIMIT OF DISTURBANCE: 1.90± ACS.
PROPOSED IMPERVIOUS COVER IN LIMIT OF DISTURBANCE: 0.80± ACS.
PERCENT REDUCTION: 58%

OWNER'S CERTIFICATION:

I, THE UNDERSIGNED, CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION AND DEVELOPMENT SHALL BE DONE PURSUANT TO THE APPROVED PLAN AND THAT RESPONSIBLE PERSONNEL (I.E. BLUE CARD HOLDER) INVOLVED IN THE LAND DISTURBANCE WILL HAVE A CERTIFICATION OF TRAINING PRIOR TO INITIATION OF THE PROJECT. AT A DNREC SPONSORED OR APPROVED TRAINING COURSE FOR THE CONTROL OF EROSION AND SEDIMENT DURING CONSTRUCTION. IN ADDITION, I GRANT THE DNREC SEDIMENT AND STORMWATER PROGRAM AND/OR THE RELEVANT DELEGATED AGENCY THE RIGHT TO CONDUCT ON-SITE REVIEWS, AND I UNDERSTAND MY RESPONSIBILITIES UNDER THE NPDES CONSTRUCTION GENERAL PERMIT, AS REFERENCED ON THIS COVER SHEET.

BRANDYWINE SCHOOL DISTRICT
100 PENNSYLVANIA AVENUE
CLAYMONT, DE 19703
302-529-3110

SITE DESIGNER CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLIES WITH THE APPLICABLE STATE AND LOCAL REGULATIONS AND ORDINANCES.

STEPHEN H. ROSENFELD, P.E.
VANDEMARK & LYNCH, INC.
4305 MILLER ROAD
WILMINGTON, DE, 19802
PHONE: 302-764-7635
FAX: 302-764-4170

**MARGUERITE H. BURNETT
MIDDLE SCHOOL
DEMOLITION PROJECT**

701 West 34th Street
Wilmington, Delaware 19802

Brandywine School District

1000 Pennsylvania Avenue
Claymont, DE 19703

MARK	DATE	DESCRIPTION
PROJECT NO:	24369.00	
FILE NAME:	V&L NO. 24369.00-SWM-C1	
DRAWN BY:	D. SHEEKY	
CHECKED BY:	S. ROSENFELD	

**COVER SHEET AND
GENERAL NOTES**

SCALE: 1" = 30'

CS-101



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CONSULTANTS

Vandemark & Lynch, Inc.
Civil Engineers

4305 Miller Road
Wilmington, DE 19899

PROJECT

MARGUERITE H. BURNETT
MIDDLE SCHOOL
DEMOLITION PROJECT

701 West 34th Street
Wilmington, Delaware 19802

OWNER

Brandywine School District

1000 Pennsylvania Avenue
Claymont, DE 19703

MARK	DATE	DESCRIPTION
PROJECT NO:	24369.00	
FILE NAME:	V&L NO. 24369.00-EROS-01	
DRAWN BY:	D. SHEEKY	
CHECKED BY:	S. ROSENFELD	

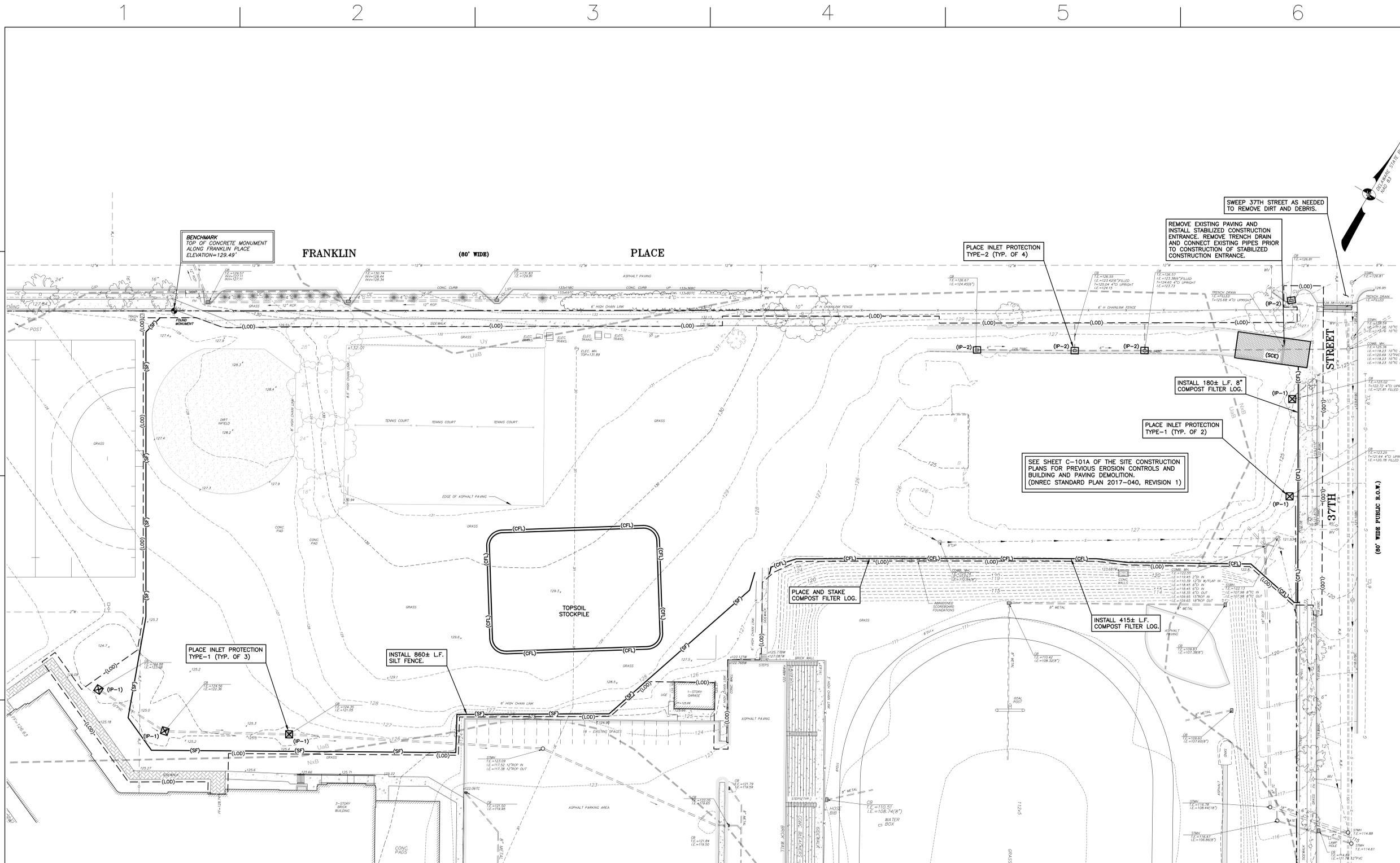
The professional services of ABHA Architects, Inc. are undertaken for and performed by the interest of ABHA Architects, Inc. The contract stipulation is approved by ABHA Architects, Inc. for the benefit of any other person involved in the project. These documents are owned by ABHA Architects, Inc. and shall not be used without written permission. Copyright © 2008 ABHA Architects, Inc.

SHEET TITLE
PRE-CONSTRUCTION
SITE SWM PLAN

SCALE: 1" = 30'

CS-102

24369.00-EROS-01



SEE SHEET C-101A OF THE SITE CONSTRUCTION PLANS FOR PREVIOUS EROSION CONTROLS AND BUILDING AND PAVING DEMOLITION. (DNREC STANDARD PLAN 2017-040, REVISION 1)

REFER TO CONTRACT GENERAL CONDITIONS FOR REQUIREMENTS FOR CONSTRUCTION FENCING, SECURITY, AND SAFETY.

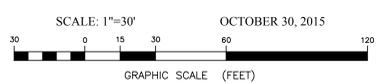
- LEGEND:**
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - FENCE LINE
 - BUILDING
 - CONCRETE
 - ASPHALT
 - CURB
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - SPOT GRADE
 - CATCH BASIN
 - STORM LINE
 - SANITARY SEWER LINE
 - SANITARY SEWER MANHOLE
 - STORM SEWER MANHOLE
 - CLEANOUT
 - GAS SERVICE
 - GAS LINE
 - ELECTRIC METER
 - UNDERGROUND ELECTRIC BOX
 - LIGHT POLE
 - TELEPHONE MANHOLE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER MAIN
 - BOLLARDS
 - PLANTER
 - SITE BENCHMARK

- (IP-1) INLET PROTECTION TYPE 1
- (IP-2) INLET PROTECTION TYPE 2
- (CFL) 8" COMPOST FILTER LOG
- (SF) SILT FENCE
- (SCE) STABILIZED CONSTRUCTION ENTRANCE
- (-LOD) LIMIT OF DISTURBANCE
- (HKB) SOILS BOUNDARY



LIMIT OF DISTURBANCE: 5.3± ACS.

PRE-CONSTRUCTION SITE
STORMWATER MANAGEMENT PLAN
MARGUERITE H. BURNETT
MIDDLE SCHOOL DEMOLITION PROJECT
CITY OF WILMINGTON NEW CASTLE COUNTY
DELAWARE



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PROJECT
**MARGUERITE H. BURNETT
 MIDDLE SCHOOL
 DEMOLITION PROJECT**

701 West 34th Street
 Wilmington, Delaware 19802

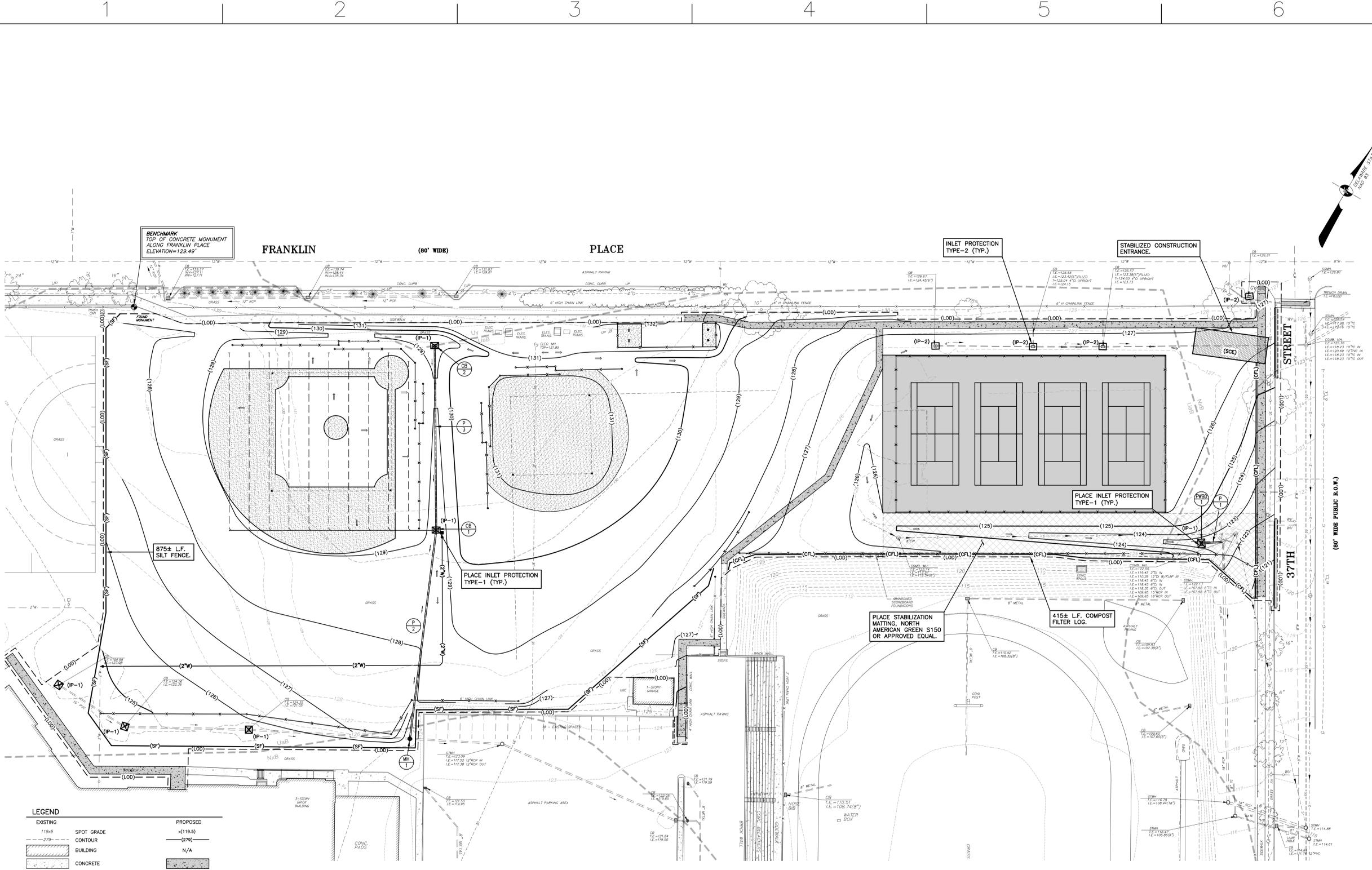
OWNER
 Brandywine School District
 1000 Pennsylvania Avenue
 Claymont, DE 19703

MARK	DATE	DESCRIPTION
PROJECT NO:	24369.00	
FILE NAME:	V&L NO. 24369.00-EROS-02	
DRAWN BY:	D. SHEEKY	
CHECKED BY:	S. ROSENFELD	

SHEET TITLE
**CONSTRUCTION
 SITE SWM PLAN**
 SCALE: 1" = 30'

CS-103

24369.00-EROS-02



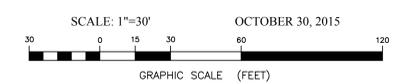
EXISTING	PROPOSED
119x5	SPOT GRADE
279	CONTOUR
[Symbol]	BUILDING
[Symbol]	CONCRETE
[Symbol]	BRICK SIDEWALK
[Symbol]	PAVEMENT
[Symbol]	CURB
[Symbol]	UNDERGROUND
[Symbol]	ELECTRIC
[Symbol]	WATER LINE
[Symbol]	FIRE LINE
[Symbol]	GAS LINE
[Symbol]	COMBINED SEWER LINE
[Symbol]	STORM LINE
[Symbol]	COMBINED SEWER MANHOLE
[Symbol]	STORM MANHOLE
[Symbol]	CATCH BASIN
[Symbol]	FLOW PATH
[Symbol]	UTILITY POLE
[Symbol]	ELECTRIC MANHOLE
[Symbol]	TELEPHONE MANHOLE
[Symbol]	FIRE HYDRANT
[Symbol]	WATER VALVE
[Symbol]	GAS VALVE
[Symbol]	CLEANOUT
[Symbol]	SIGN
[Symbol]	LIGHT POLE
[Symbol]	SITE BENCHMARK
[Symbol]	FENCE
[Symbol]	DECIDUOUS TREE/SIZE
[Symbol]	EVERGREEN TREE/SIZE
[Symbol]	LIMIT OF DISTURBANCE

ES LEGEND	
[Symbol]	INLET PROTECTION TYPE 1
[Symbol]	INLET PROTECTION TYPE 2
[Symbol]	8" COMPOST FILTER LOG
[Symbol]	SILT FENCE
[Symbol]	STABILIZATION MATTING-CHANNEL
[Symbol]	STABILIZATION MATTING-ENTRANCE
[Symbol]	LIMIT OF DISTURBANCE
[Symbol]	SOILS BOUNDARY

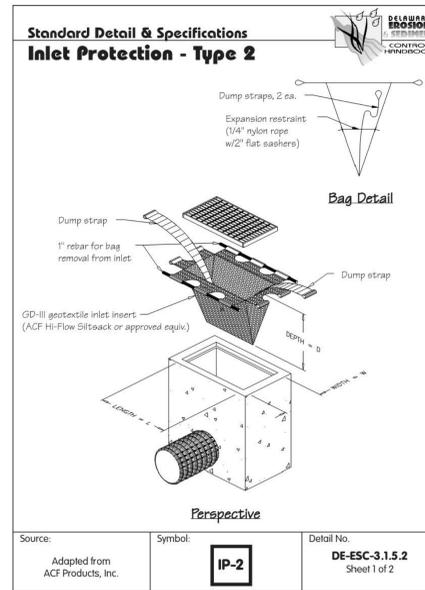
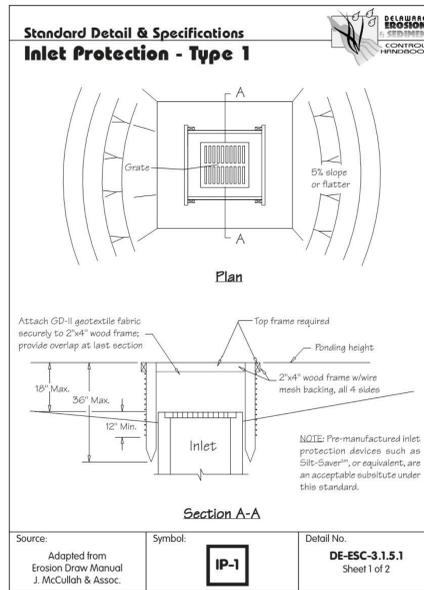
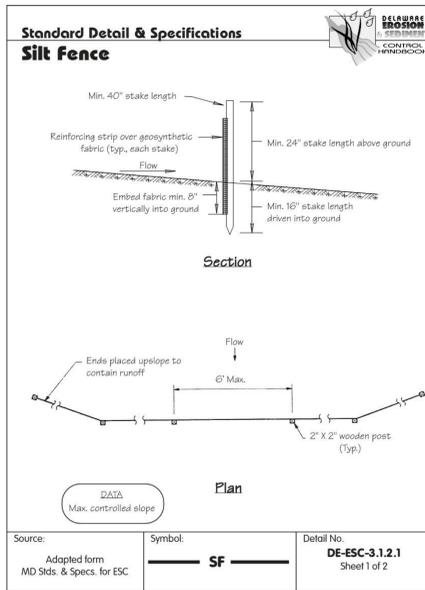
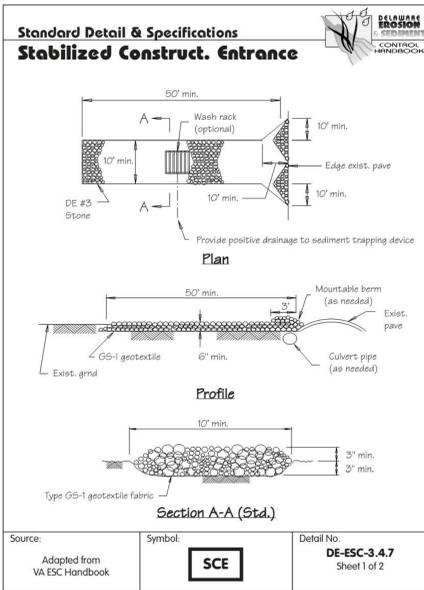


LIMIT OF DISTURBANCE: 5.3± ACS.

CONSTRUCTION
 SITE STORMWATER MANAGEMENT PLAN
**MARGUERITE H. BURNETT
 MIDDLE SCHOOL DEMOLITION PROJECT**
 CITY OF WILMINGTON NEW CASTLE COUNTY
 DELAWARE



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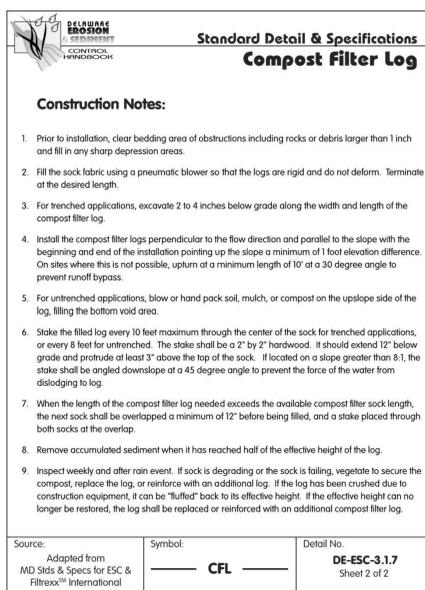
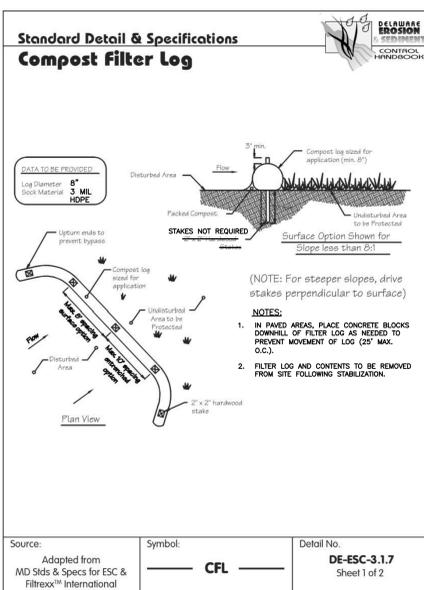
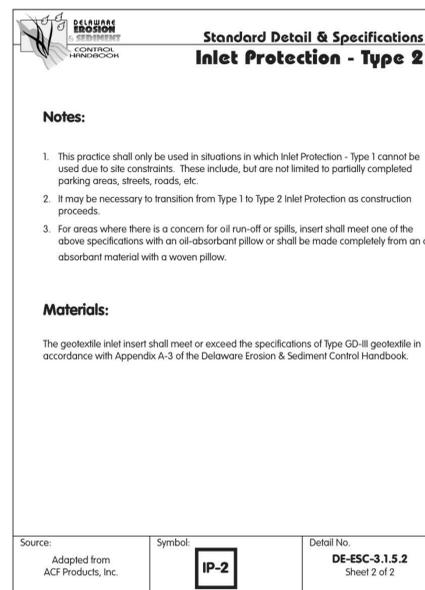
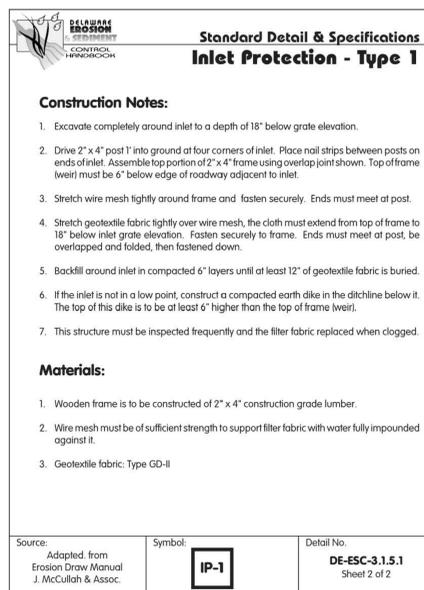
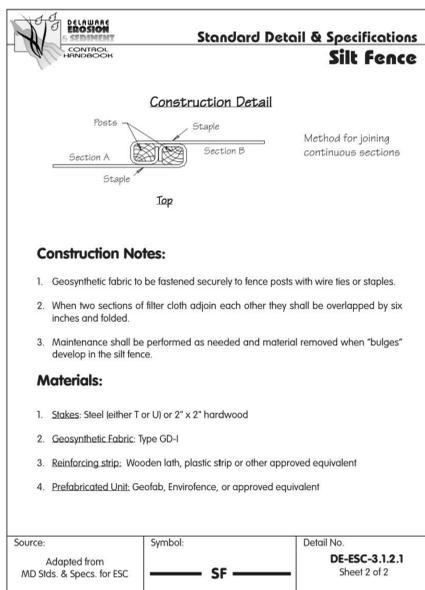
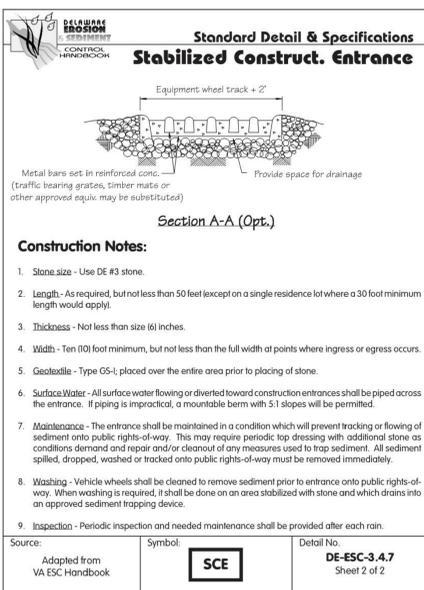


- #### SEQUENCE OF CONSTRUCTION
- NOTIFY THE DNREC SEDIMENT AND STORMWATER PROGRAM AND THE CITY OF WILMINGTON DEPARTMENT OF PUBLIC WORKS IN WRITING AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
 - PRIOR TO ANY CLEARING, INSTALLATION OF SEDIMENT CONTROL MEASURES, OR GRADING, A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED AND CONDUCTED WITH THE DNREC SITE REVIEWER. THE DEVELOPER, CONTRACTOR, AND CERTIFIED CONSTRUCTION REVIEWER ARE REQUIRED TO BE IN ATTENDANCE. THE DESIGNER IS RECOMMENDED TO ATTEND.
 - INSTALL PERIMETER CONTROLS: STABILIZED CONSTRUCTION ENTRANCE, INLET CONTROL, SILT FENCE, AND COMPOST FILTER LOG. ALL PERIMETER CONTROLS SHALL BE REVIEWED BY THE DNREC SITE REVIEWER PRIOR TO PROCEEDING WITH FURTHER SITE DISTURBANCE OR CONSTRUCTION.
 - THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS-LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR REPAIR MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, AS DIRECTED BY THE CERTIFIED CONSTRUCTION REVIEWER OR DNREC SITE REVIEWER.
 - BEFORE SITE DEMOLITION, COORDINATE ANY UTILITY DEMOLITION AND CONSTRUCTION WITH THE CITY OF WILMINGTON AND UTILITY COMPANIES.
 - STRIP AND STOCKPILE TOPSOIL, ROUGH GRADE, BEGIN INSTALLING UTILITIES. PLACE INLET PROTECTION AROUND NEW CATCH BASINS AS CONSTRUCTION PROCEEDS.
 - FINE GRADE, INSTALL FIELD SURFACES, TENNIS COURTS, FENCES, EQUIPMENT AND APPURTENANCES. STABILIZE ALL AREAS OUTSIDE OF PAVING WITH TOPSOIL, SEED, AND MULCH AT THE SPECIFIED RATES.
 - REMOVE EROSION AND SEDIMENT CONTROL DEVICES ONLY AFTER WORK IN AN AREA HAS BEEN COMPLETED AND STABILIZED AND AFTER RECEIVING WRITTEN APPROVAL FROM THE DNREC CONSTRUCTION SITE REVIEWER.
 - STABILIZE ANY AREAS DISTURBED WHEN REMOVING TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITH PERMANENT SEED AND MULCH.
 - THE TERMINATION OF THE CONSTRUCTION GENERAL PERMIT WILL REQUIRE SUBMISSION AND ACCEPTANCE OF THE POST CONSTRUCTION VERIFICATION DOCUMENTS, INCLUDING FINAL STABILIZATION THROUGHOUT THE SITE. ALL ELEMENTS OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN IMPLEMENTED, AND ACCEPTANCE OF THE FINAL OPERATION AND MAINTENANCE PLAN, IF APPLICABLE.
- #### ADDITIONAL EROSION CONTROL NOTES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL PRACTICES DURING CONSTRUCTION AND UTILITY INSTALLATION.
 - IF DUST BECOMES A PROBLEM, SPRINKLE WITH WATER EVERY HOUR.



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CONSTRUCTION SITE
 DETAILS AND NOTES
 MARGUERITE H. BURNETT
 MIDDLE SCHOOL DEMOLITION PROJECT
 CITY OF WILMINGTON NEW CASTLE COUNTY
 DELAWARE

SCALE: AS SHOWN OCTOBER 30, 2015



PROJECT
 MARGUERITE H. BURNETT
 MIDDLE SCHOOL
 DEMOLITION PROJECT

701 West 34th Street
 Wilmington, Delaware 19802

OWNER
 Brandywine School District
 1000 Pennsylvania Avenue
 Claymont, DE 19703

MARK DATE DESCRIPTION
 PROJECT NO: 24369.00
 FILE NAME V&L NO. 24369.00-DETAIL-01
 DRAWN BY: D. SHEEKY
 CHECKED BY: S. ROSENFIELD

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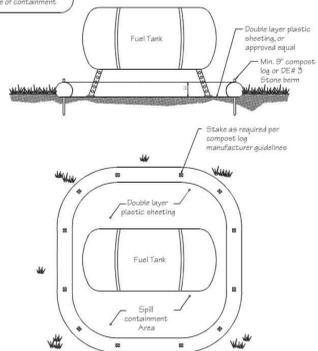
SHEET TITLE
 CONSTRUCTION SITE
 DETAILS AND NOTES

SCALE: AS SHOWN

CS-104

Standard Detail & Specifications
Construction Site Waste Mgt & Spill Control

DATA TO BE PROVIDED:
Volume of Potential Pollution
Height of containment
Area of containment
Volume of containment



Source: Delaware ESC Handbook	Symbol:	Detail No. DE-ESC-3.6.1 Sheet 1 of 5
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Effective April 2016

Standard Detail & Specifications
Construction Site Waste Mgt & Spill Control

- Pollution Prevention - Spill Prevention**
- Fueling should only take place in signed designated areas, away from downstream drainage facilities and watercourses.
 - Fueling must be with nozzles equipped with automatic shut-off to control drips. Do not top off.
 - Protect the areas where equipment or vehicles are being repaired, maintained, fueled or parked from storm water run-on and runoff, and to contain spills.
 - Use barriers such as berms to prevent storm water run-on and runoff, and to contain spills.
 - Place a "Fueling Area" sign next to each fueling area.
 - Store hazardous materials such as fuel, solvents, oil and chemicals in secondary containment.
 - Inspect vehicles and equipment for leaks on each day of use. Repair fluid and oil leaks immediately.
 - Absorbent spill clean-up materials and spill kits must be available in fueling areas and on fuel trucks.
 - If fueling is to take place at night, make sure the fueling area is sufficiently illuminated.
 - Properly dispose of used oil, fluids, lubricants and spill clean-up materials.
- CLEAN UP SPILLS**
- If it is safe to do so, immediately contain and clean up any chemical and/or hazardous material spills.
 - Properly dispose of used oil, fluids, lubricants and spill clean-up materials.
 - Do not bury spills or wash them down with water.
- LEAKS AND DRIPS**
- Use drip pans or absorbent pads at all times. Place under and around leaky equipment.
 - Do not allow oil, grease, fuel or chemicals to drip onto the ground.
 - Have spill kits and clean up material on-site.
 - Repair leaky equipment promptly or remove problem vehicles and equipment from the site. Clean up contaminated soil immediately.
 - Store contaminated waste in sealed containers constructed of suitable material. Label these containers properly.
 - Clean up all spills and leaks. Promptly dispose of waste and spent clean up materials.

Source: Delaware ESC Handbook	Symbol:	Detail No. DE-ESC-3.6.1 Sheet 2 of 5
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Effective April 2016

Standard Detail & Specifications
Construction Site Waste Mgt & Spill Control

- Notes:**
The Construction Site Pollution Prevention Plan should include the following elements:
- Material Inventory**
Document the storage and use of the following materials:
 - Concrete
 - Detergents
 - Paints (enamel and latex)
 - Cleaning solvents
 - Pesticides
 - Wood scraps
 - Fertilizers
 - Petroleum based products
 - Good housekeeping practices**
 - Store only enough product required to do the job.
 - All materials shall be stored in a neat, orderly manner in their original labeled containers and covered.
 - Substances shall not be mixed.
 - When possible, all of a product shall be used up prior to disposal of the container.
 - Manufacturers' instructions for disposal shall be strictly adhered to.
 - The site foreman shall designate someone to inspect all BMPs daily.
 - Waste management practices**
 - All waste materials shall be collected and stored in securely lidded dumpsters in a location that does not drain to a waterbody.
 - Waste materials shall be salvaged and/or recycled whenever possible.
 - The dumpsters shall be emptied a minimum of twice per week, or more if necessary. The licensed trash hauler is responsible for cleaning out dumpsters.

Source: Adapted from USEPA Pub. 840-B-92-002	Symbol:	Detail No. DE-ESC-3.6.1 Sheet 3 of 5
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Effective April 2016

Standard Detail & Specifications
Construction Site Waste Mgt & Spill Control

- Notes (cont.)**
- Trash shall be disposed of in accordance with all applicable Delaware laws.
 - Trash cans shall be placed at all lunch spots and littering is strictly prohibited. Recycle bins shall be placed near the construction trailer.
 - If fertilizer bags can not be stored in a weather-proof location, they shall be kept on a pallet and covered with plastic sheeting which is overlapped and anchored.
- Equipment maintenance practices**
 - If possible, equipment should be taken to off-site commercial facilities for washing and maintenance.
 - If performed on-site, vehicles shall be washed with high-pressure water spray without detergents in an area contained by an impervious berm.
 - Drip pans shall be used for all equipment maintenance.
 - Equipment shall be inspected for leaks on a daily basis.
 - Washout from concrete trucks shall be disposed of in a temporary pit for hardening and proper disposal.
 - Fuel nozzles shall be equipped with automatic shut-off valves.
 - All used products such as oil, antifreeze, solvents and tires shall be disposed of in accordance with manufacturers' recommendations and local, state and federal laws and regulations.
 - Spill prevention practices**
 - Potential spill areas shall be identified and contained in covered areas with no connection to the storm drain system.
 - Warning signs shall be posted in hazardous material storage areas.
 - Preventive maintenance shall be performed on all tanks, valves, pumps, pipes and other equipment as necessary.
 - Low or non-toxic substances shall be prioritized for use.

Source: Adapted from USEPA Pub. 840-B-92-002	Symbol:	Detail No. DE-ESC-3.6.1 Sheet 4 of 5
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Effective April 2016

Standard Detail & Specifications
Construction Site Waste Mgt & Spill Control

- Notes (cont.)**
- Contact information for reporting spills through the DNREC 24-Hour Toll Free Number shall be prominently posted.
- Education**
 - Best management practices for construction site pollution control shall be a part of regular progress meetings.
 - Information regarding waste management, equipment maintenance and spill prevention shall be prominently posted in the construction trailer.

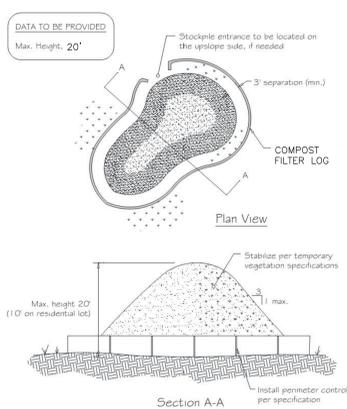
CONTACT INFORMATION

DNREC 24-Hour Toll Free Number **800-662-8802**
DNREC Solid & Hazardous Waste Branch **302-739-9403**

Source: Adapted from USEPA Pub. 840-B-92-002	Symbol:	Detail No. DE-ESC-3.6.1 Sheet 5 of 5
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Effective April 2016

Standard Detail & Specifications
Soil Stockpile



Source: Adapted from Colorado Urban Storm Drainage Criteria Manual, Vol 3	Symbol: SP	Detail No. DE-ESC-3.7.3 Sheet 1 of 2
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Effective April 2016

Standard Detail & Specifications
Soil Stockpile

- Construction Notes:**
- Locate stockpiles so that they are 50 feet from any storm drain inlet, open channel, wetland or waterbody. Redirect any concentrated flow around the stockpile using an approved erosion and sediment control measure.
 - Secure the perimeter of the stockpile with an approved erosion and sediment control perimeter device.
 - If stockpile is to remain inactive for more than 14 calendar days, the stockpile must be vegetated. Follow the temporary vegetation specifications. The vegetation chosen shall last the duration of the stockpile; the stockpile shall be restabilized if the temporary vegetation dies or erosion results.

Source: Adapted from Colorado Urban Storm Drainage Criteria Manual, Vol 3	Symbol: SP	Detail No. DE-ESC-3.7.3 Sheet 2 of 2
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SHEET TITLE
**CONSTRUCTION SITE
DETAILS AND NOTES**

SCALE: AS SHOWN

CS-106



**CONSTRUCTION SITE
DETAILS AND NOTES**
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MIDDLE SCHOOL DEMOLITION PROJECT**
CITY OF WILMINGTON NEW CASTLE COUNTY
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