

Appendix B

Permits and Approvals

Note:

Permits obtained by PSEG for work in Phase 2 will be provided in PSEG's Final Remedial Action Report (Wood, pending submittal).

**Soil Erosion and Sediment Control Plan (SESCP) Approvals
from Hudson-Essex-Passaic County Soil Conservation
District**

SESCP – IRM #1 and #2 Areas



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org

April 14, 2010

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101-2009

Re: **PPG Site 114 IRM Areas 1 & 2**
880-900 Garfield Ave, Jersey City, NJ
Block 2026.A; 2026.1 Lot 1,3A; 2A,4A,3B
HEPSCD 251 ID Code #210-H-2765, Plan dated: 2/24/10

Dear Sir/Madam:

The District has completed the review of the soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is certified by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified in writing 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification is valid for 3-1/2 years from the date of this letter and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

Carl Quazza
Chairman

Cc: Planner, Municipality, County

Faxed 6/11/10 @ 9:00am

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE
48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING
ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT
CONTROL PLAN

PROJECT NAME: PPG SITE 114 IRM AREAS 1 & 2

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 210-H-2765

PROJECT LOCATION: STREET ADDRESS: 880-900 Garfield Ave

MUNICIPALITY: Jersey City

PROJECT OWNER/APPLICANTS NAME: PPG Industries, Inc/Brian G. McGuire

ADDRESS: 4325 Rosanna Drive, Allison Park, PA 15101-2009

PHONE #: 412-492-5683 FAX: 412-492-5484

E-MAIL: _____ CELL# _____

ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME: ERIC ACS

ADDRESS: 30 KNIGHTSBRIDGE RD PISCATAWAY NJ 08854

PHONE #: 732 564 3901 FAX: 732 369 0122

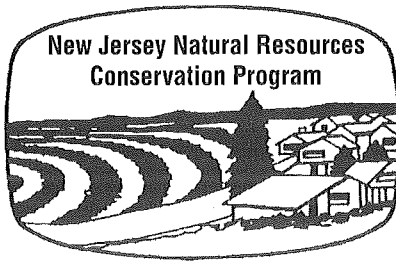
E-MAIL: ERIC.ACS@AECOM.COM CELL# 732 343 0374

DATE TO START CONSTRUCTION(including DEMOLITION, CLEARING, LAND

GRADING): JUNE 30 2010

This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L. 1975, and may result in additional fees.

MAIL THIS NOTICE TO: HUDSON-ESSEX-PASSAIC SCD
15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
TELEPHONE: (973)364-0786 FAX: (973)364-0784 EMAIL: information@hepscd.org



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org

February 16, 2011

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101-2009

Re: **PPG Site 114 IRM Areas 1 & 2**
Revisions to Certified Plan: Revised Access, Mobilization Yard, Remediation Processes
880-900 Garfield Ave, Jersey City, NJ
Re-Review of HEP File #210-H-2765, audit #211-H-0002 SESC plan Rev 1/6/11

Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan **remains certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified by mail 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
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Yours truly,

Carl Quazza
Chairman

Cc: Planner, Municipality, County, STATE DEPARTMENT OF AGRICULTURE, STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION,
AND UNITED STATES NATURAL RESOURCES CONSERVATION SERVICE, COOPERATING.

Printed on Recycled Paper



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org
www.hepsoilnj.org

August 15, 2011

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101-2009

Re: **PPG Site 114 IRM Areas 1 & 2**
Revisions to Certified Plan: Revised to add 0.3 acres for sheet piling install
880-900 Garfield Ave, Jersey City, NJ
211-H-0014 Re-Review of HEP Ch.251 #210-H-2765, plan rev. 7/26/11

Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan **remains certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

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Yours truly,

Carl Quazza
Chairman

Cc: Planner, Municipality, County

SOIL EROSION AND SEDIMENT CONTROL PLAN REMEDIAL ACTION WORK PLAN (RAWP) ACTIVITIES PPG SITE 114 JERSEY CITY, NEW JERSEY

DRAWING

- 1
- 2
- 3
- 4

DESCRIPTION

- EXISTING SITE CONDITIONS
- SESC MEASURES
- SESC DETAILS AND NOTES
- SESC DETAILS AND NOTES (CONTINUED)

PREPARED BY:



30 KNIGHTSBRIDGE ROAD,
PISCATAWAY, NEW JERSEY 08854

HUE N. QUAN, P.E.
NJ PROFESSIONAL ENGINEER
2462469500

NO.	DESCRIPTION	DATE	BY:

AECOM

30 KNIGHTSBRIDGE ROAD, SUITE 520
PISCATAWAY, NEW JERSEY 08854
PHONE: (732) 564-3600
FAX: (732) 369-0122
WEB: HTTP://WWW.AECOM.COM

**SOIL EROSION + SEDIMENT CONTROL PLAN
REMEDIAL ACTION WORK PLAN ACTIVITIES**

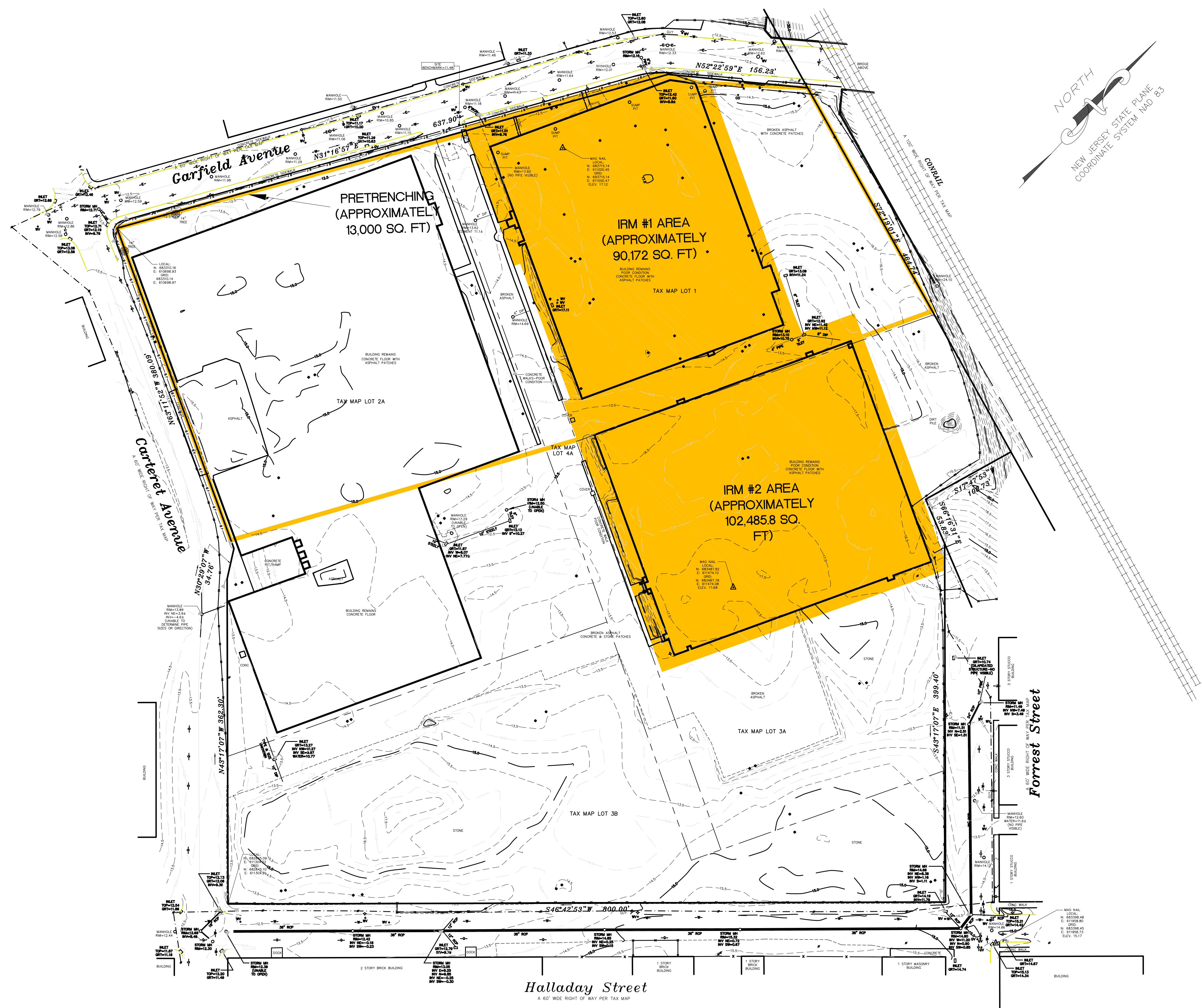
PPG INDUSTRIES
SITE 114
JERSEY CITY, HUDSON COUNTY, NEW JERSEY

SCALE: NOT TO SCALE DATE: 07/26/2011 PROJECT NUMBER: 60190341.500A

DRAWING NUMBER:
COVER

SHEET NUMBER:
1 of 5

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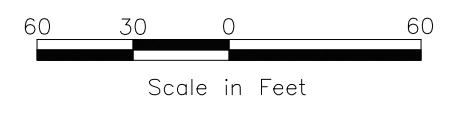


LEGEND

- UTILITY POLE
- OVERHEAD WIRES
- EDGE OF PAVEMENT
- CURB
- DEPRESSED CURB
- SITE BOUNDARY
- LOT BOUNDARIES
- ⊕ FIRE HYDRANT
- ⊖ WATER MARK-OUT
- ⊙ W WATER VALVE
- ⊙ G GAS MARK-OUT
- ⊙ V GAS VALVE
- ⊙ S SANITARY CLEANOUT
- ⊖ T TELEPHONE MARK-OUT
- ⊖ E ELECTRIC MARK-OUT
- ⊕ M MONITORING WELL
- ⊕ B BOLLARD
- CHAIN LINK FENCE
- 19.5 TOPOGRAPHIC CONTOUR (.5 FT INTERVAL)
- 20.0 TOPOGRAPHIC CONTOUR (5 FT INTERVAL)
- RAILROAD TRACKS
- TAX LOT LINE
- AREA OF REMEDIAL ACTIVITIES/ LIMIT OF DISTURBANCE

- NOTES:**
- BOUNDARY INFORMATION AND LOT GEOMETRY IS TAKEN FROM A SURVEY BY YANNACCONE, VILLA & ALDRICH, LLC DATED APRIL 8, 2004. A TITLE ABSTRACT/COMMITMENT HAS NOT BEEN SUPPLIED. THIS SURVEY IS SUBJECT TO THE FINDINGS OF A COMPLETE TITLE SEARCH.
 - THIS MAP REFLECTS SITE CONDITIONS AS THEY EXISTED AT THE TIME OF THE FIELD SURVEY. THE FIELD SURVEY OBSERVATIONS WERE OBTAINED BETWEEN SEPTEMBER 12, 2006 AND SEPTEMBER 20, 2006.
 - THE BASIS OF BEARING IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 DETERMINED BY DIFFERENTIAL GPS ON DECEMBER 22, 2005. REFERENCE MONUMENTS ARE NGS COR STATIONS NJ12, SHK1 AND LAMT.
 - THE PROJECT COMBINED GRID SCALE FACTOR IS 0.999920497 AT THE PROJECT CENTROID (N: 682981.62, E: 611168.7492 ELEV. 15.17)
 - COORDINATE VALUES SHOWN HEREON ARE IN US SURVEY FEET
 - THE VERTICAL DATUM IS THE EXISTING SITE DATUM AS SHOWN ON UNTITLED PLAN PROVIDED BY CLIENT. HELD PK 12 ELEVATION 11.48 (THE SITE DATUM IS 1.2' HIGHER THAN NAVD 88 AND 0.8' HIGHER THAN NGVD 29).
 - THE UTILITIES SHOWN HAVE BEEN LOCATED FROM EVIDENCE OBSERVED ON THE SURFACE ONLY. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
 - TOTAL LOT AREA = 709,022 SQ.FT. = 16.28 ACRES
 - LOT CORNERS ARE TO BE SET.

- REFERENCES:**
- "SURVEY OF LOTS 1, 2, 4, 5 & 6 - BLOCK 2026.1 CITY OF JERSEY CITY, HUDSON COUNTY, NEW JERSEY" DATED APRIL 8, 2004 PREPARED BY YANNACCONE, VILLA & ALDRICH, LLC, CHRISTOPHER J. ALDRICH, PLS.
 - DEEDS:
 DBK 3089 PG 387 - BLOCK 2006.1 PART OF LOT 1, AND LOTS 2 & 3
 DBK 3117 PG 1124 - BLOCK 2006.1 LOT 1
 DBK 3176 PG 929 - BLOCK 2006.1 LOT A2
 DBK 4458 PG 265 - BLOCK 2007 LOTS 22 TO 26 AND LOTS 30 TO 35
 DBK 3382 PG 453 - BLOCK 2017 PART OF LOT H
 DBK 4748 PG 200 - BLOCK 2017 LOTS 1 TO 25
 DBK 3671 PG 18 - BLOCK 2026.1 LOT 1
 DBK 3360 PG 320 - BLOCK 2028 LOTS C2 & A7
 DBK 3360 PG 320 - BLOCK 2029 LOTS A3 & A7



HUE N. QUAN, P.E.
 NJ PROFESSIONAL ENGINEER
 246C4698500

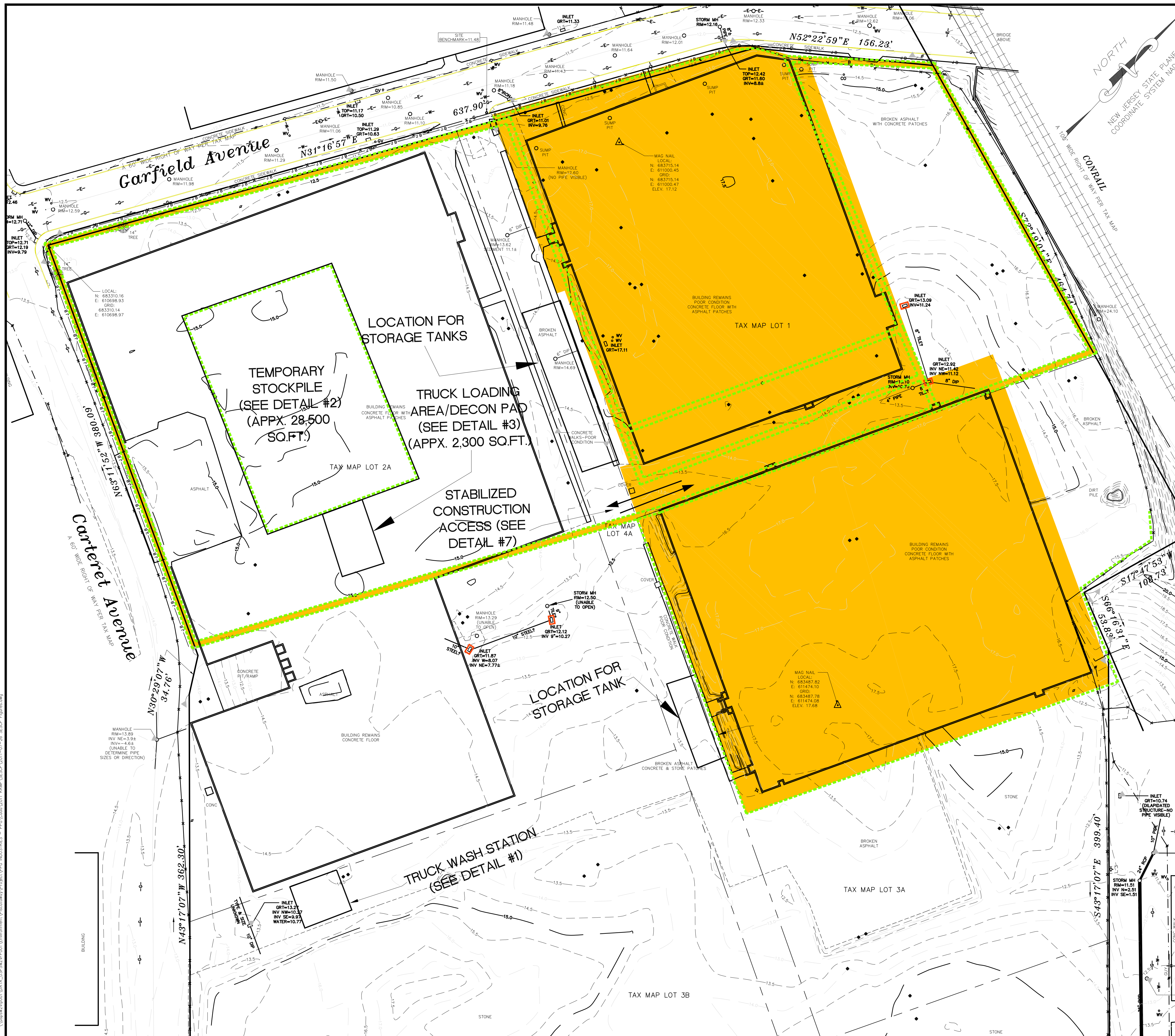
DESIGNED BY:	SM	REVISIONS
DRAWN BY:	/JK/IC	DESCRIPTION:
CHECKED BY:	HNQ	DATE:
APPROVED BY:		

AECOM
 30 KNIGHTSBRIDGE ROAD, SUITE 520
 BRIDGE PLAZA, LEXINGTON, MA 01864
 PHONE: (732) 564-3800
 FAX: (732) 369-0122
 WEB: HTTP://WWW.AECOM.COM

SOIL EROSION + SEDIMENT CONTROL PLAN
EXISTING CONDITIONS
 PPG INDUSTRIES
 SITE 114
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY
 SCALE: AS SHOWN
 DATE: 07/26/2011
 PROJECT NUMBER: 60190341.500A

DRAWING NUMBER:
1
 SHEET NUMBER:
 2 of 5

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- LEGEND**
- PROPOSED HAYBALES (SEE DETAIL #6)
 - SITE BOUNDARY
 - LOT BOUNDARIES
 - PROPOSED INLET PROTECTION (SEE DETAIL #4)
 - JERSEY BARRIER WITH FENCE
 - UTILITY POLE
 - OVERHEAD WIRES
 - EDGE OF PAVEMENT
 - CURB
 - DEPRESSED CURB
 - ◆ FIRE HYDRANT
 - W WATER MARK-OUT
 - W WATER VALVE
 - G GAS MARK-OUT
 - GV GAS VALVE
 - SC SANITARY CLEANOUT
 - T TELEPHONE MARK-OUT
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 - M MONITORING WELL
 - B BOLLARD
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 - TYPOGRAPHIC CONTOUR (.5 FT INTERVAL)
 - TOPOGRAPHIC CONTOUR (5 FT INTERVAL)
 - RAILROAD TRACKS
 - TAX LOT LINE
 - AREA OF REMEDIATION ACTIVITIES/ LIMIT OF DISTURBANCE

BOUNDARY AND TOPOGRAPHIC SURVEY BY BORBAS SURVEYING AND MAPPING PRINT DATED NOVEMBER 16, 2006. THE MAPPING IS SUBJECT TO THE FOLLOWING NOTES:

- 1) BOUNDARY INFORMATION AND LOT GEOMETRY IS TAKEN FROM A SURVEY BY YANACCONI, VILLA & ALDRICH, LLC DATED APRIL 8, 2004. A TITLE ABSTRACT/COMMITMENT HAS NOT BEEN SUPPLIED. THIS SURVEY IS SUBJECT TO THE FINDINGS OF A COMPLETE TITLE SEARCH.

- 2) THIS MAP REFLECTS SITE CONDITIONS AS THEY EXISTED AT THE TIME OF THE FIELD SURVEY. THE FIELD SURVEY OBSERVATIONS WERE OBTAINED BETWEEN SEPTEMBER 12, 2006 AND SEPTEMBER 20, 2006.

- 3) THE BASIS OF BEARING IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83 DETERMINED BY DIFFERENTIAL GPS ON DECEMBER 22, 2005. REFERENCE MONUMENTS ARE NGS COR STATIONS NJ12, SHK1 AND LAMT.

- 4) THE PROJECT COMBINED GRID SCALE FACTOR IS 0.999920497 AT THE PROJECT CENTROID (N: 682981.62, E: 611168.7492 ELEV. 15.17)

- 5) COORDINATE VALUES SHOWN HEREON ARE IN US SURVEY FEET

- 6) THE VERTICAL DATUM IS THE EXISTING SITE DATUM AS SHOWN ON UNTITLED PLAN PROVIDED BY CLIENT. HELD PK 12 ELEVATION 11.48 (THE SITE DATUM IS 1.2' HIGHER THAN NAVD 88 AND 0.8' HIGHER THAN NGVD 29).

- 7) THE UTILITIES SHOWN HAVE BEEN LOCATED FROM EVIDENCE OBSERVED ON THE SURFACE ONLY. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

- 8) TOTAL LOT AREA = 709,022 SQ.FT. = 16.28 ACRES
- 9) LOT CORNERS ARE TO BE SET.

REFERENCES:

- 1) "SURVEY OF LOTS 1, 2, 4, 5 & 6 - BLOCK 2026.1 CITY OF JERSEY CITY, HUDSON COUNTY, NEW JERSEY" DATED APRIL 8, 2004 PREPARED BY YANACCONI, VILLA & ALDRICH, LLC, CHRISTOPHER J. ALDRICH, PLS.
- 2) DEEDS:
 DBK 3089 PG 387 - BLOCK 2006.1 PART OF LOT 1, AND LOTS 2 & 3
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 DBK 3360 PG 320 - BLOCK 2029 LOTS A3 & A7



HUE N. QUAN, P.E.
 NJ PROFESSIONAL ENGINEER
 24GE0498500

NO.	REVISIONS	DATE	BY

AECOM

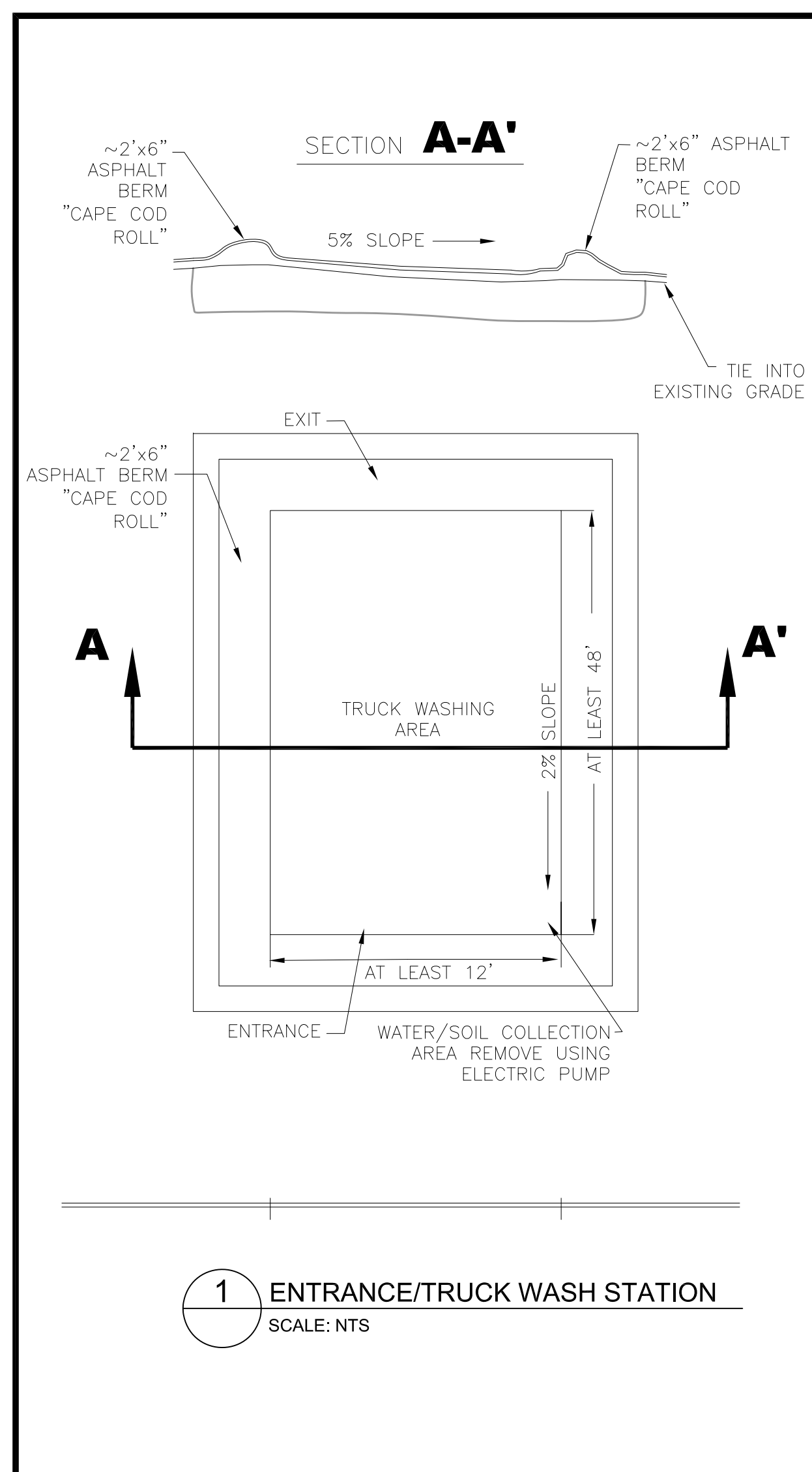
AECOM
 30 KNIGHTSBRIDGE ROAD, SUITE 520
 PISCATAWAY, NEW JERSEY 08854
 PHONE: (732) 369-0000
 FAX: (732) 369-0122
 WEB: HTTP://WWW.AECOM.COM

SOIL EROSION + SEDIMENT CONTROL PLAN
SECC MEASURES
 PPG INDUSTRIES
 SITE 114
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

SCALE: AS SHOWN
 DATE: 2/24/10
 PROJECT NUMBER: 60137538.0408

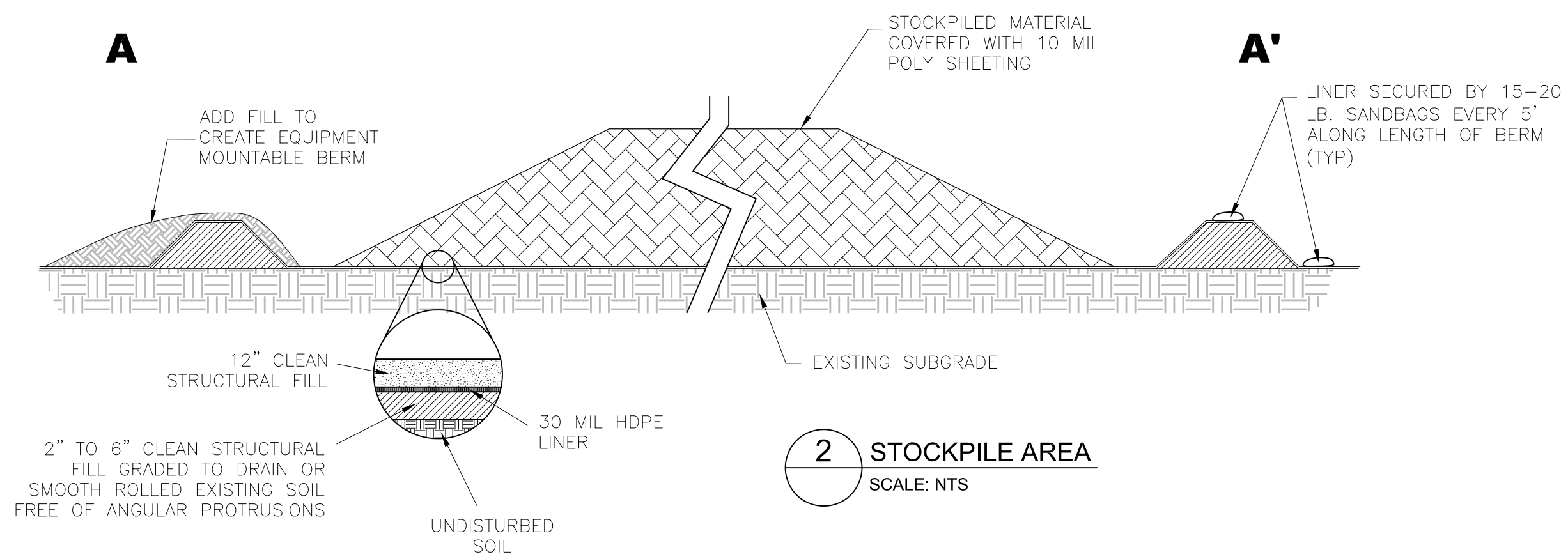
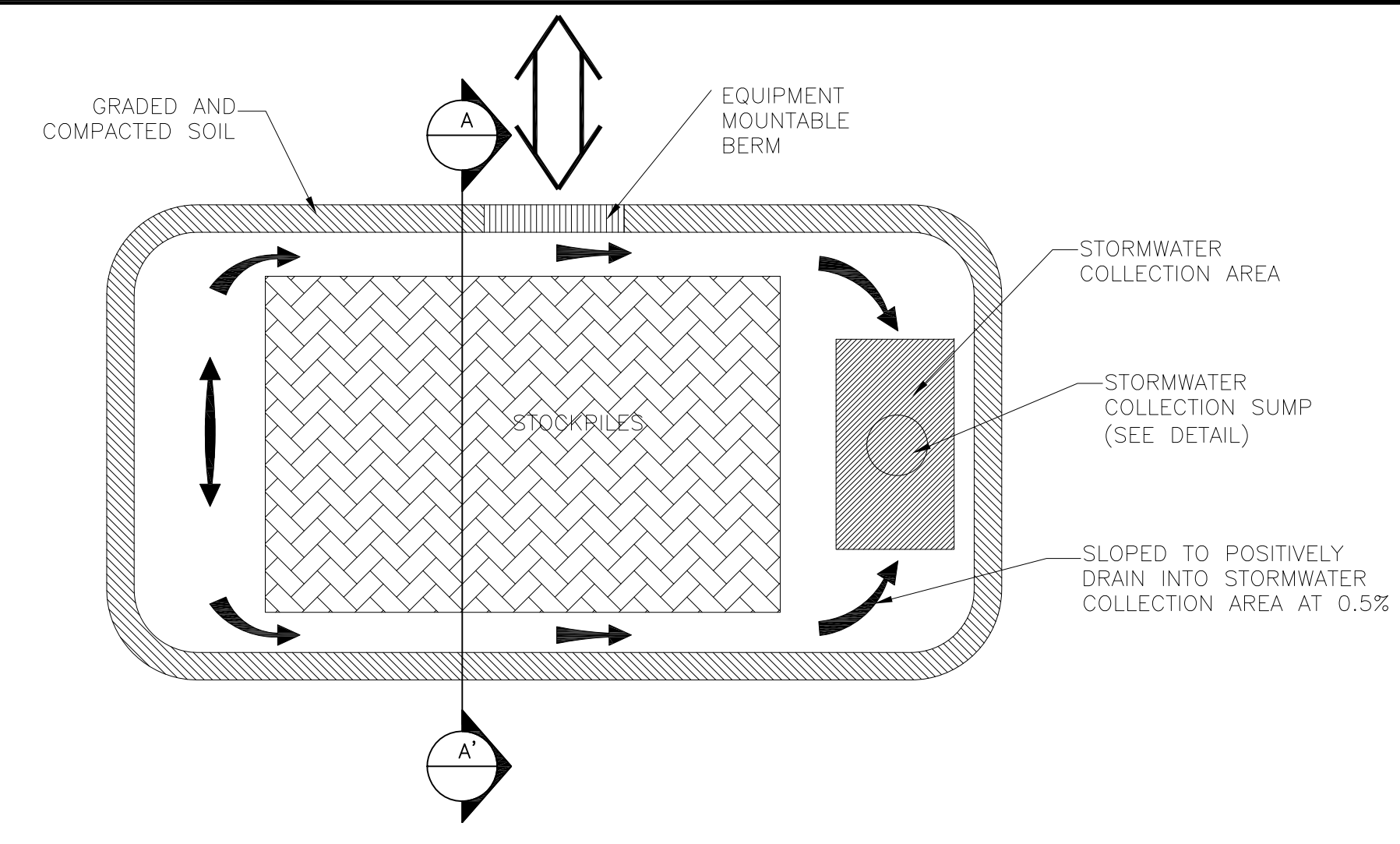
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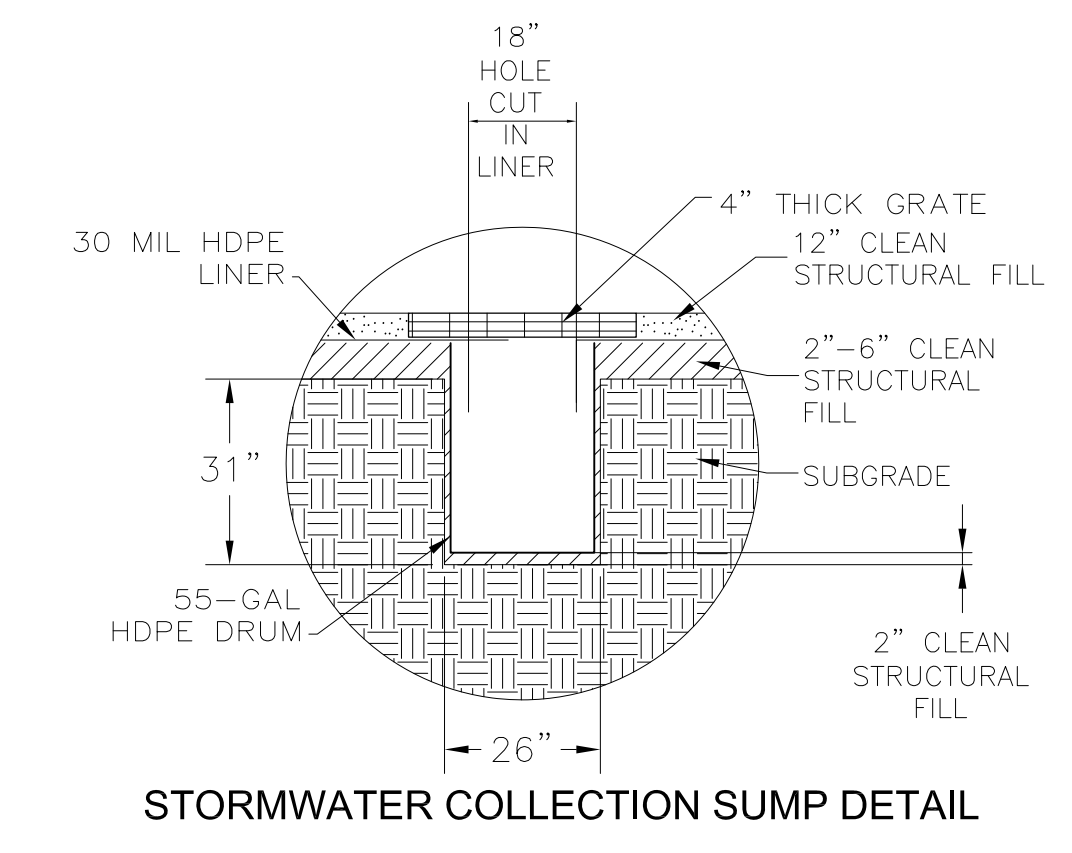


1 ENTRANCE/TRUCK WASH STATION
SCALE: NTS

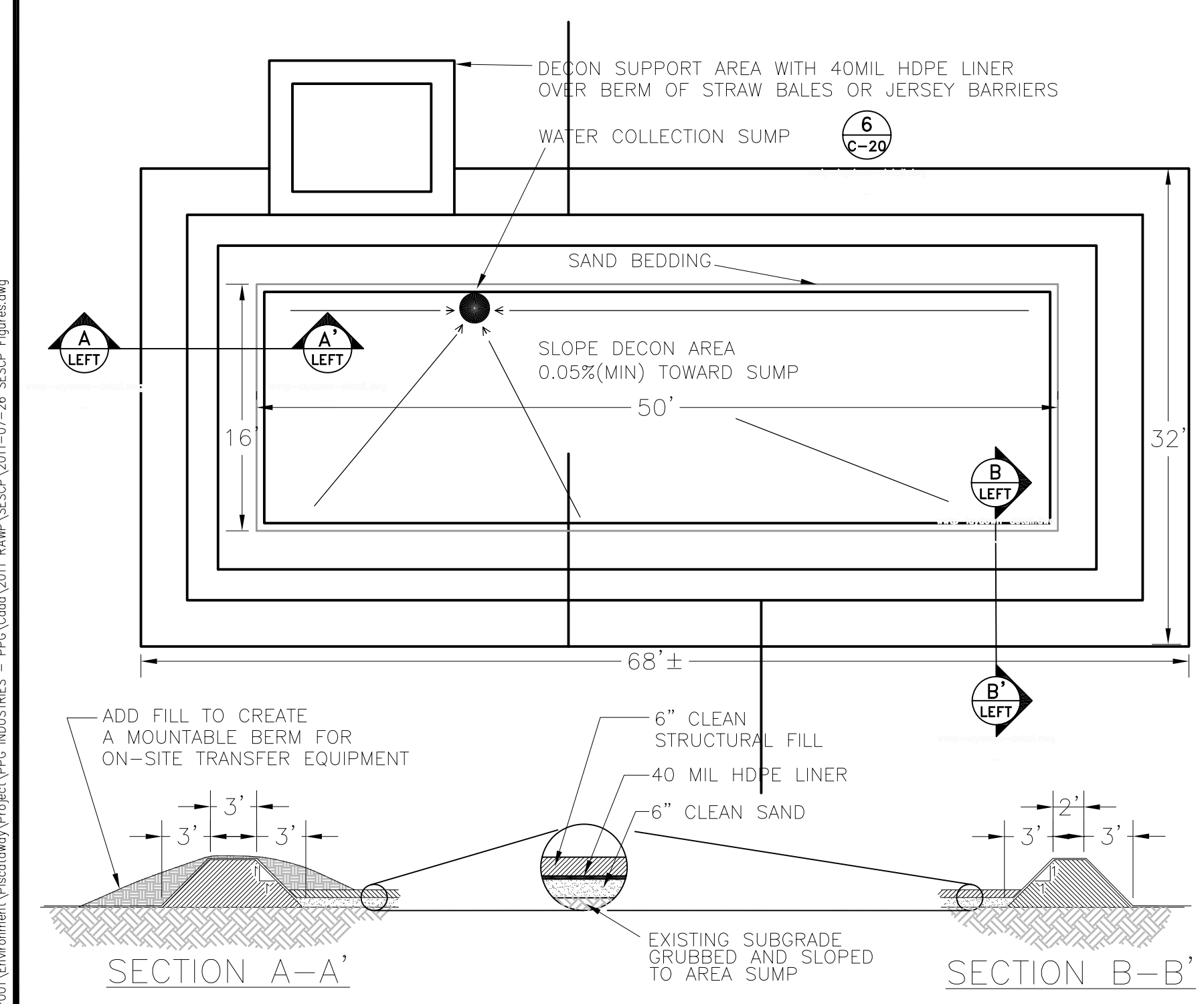
- NOTES:
1. STOCKPILE AREA DIMENSIONS AND SHAPE MAY VARY. ACTUAL SIZE WILL BE DETERMINED BASED ON SITE CONDITIONS AND REQUIRED STORAGE AREA. SUBCONTRACTOR SHALL DETERMINE FINAL SIZE OF AREA WITH APPROVAL BY SITE ENGINEER.
 2. EXISTING SUBGRADE SHALL BE FREE OF ANGULAR PROTRUSIONS. A TWO TO SIX INCH LAYER OF CLEAN STRUCTURAL BACKFILL SHALL BE PLACED, GRADED TO DRAIN AND COMPACTED TO A FIRM UNYIELDING SURFACE PRIOR TO PLACEMENT OF LINER.
 3. STOCKPILE AREA IS TO BE GRADED TO POSITIVELY DRAIN TOWARDS THE STORMWATER COLLECTION AREA.
 4. CONTAINMENT BERMS SHALL BE CONSTRUCTED OF IMPORTED CLEAN SOIL. NO ON SITE BORROW WILL BE AVAILABLE. PLACE STORMWATER CONTAINMENT BERM SOILS IN MAXIMUM OF 12" LIFTS.
 5. STORMWATER CONTAINMENT BERMS ARE TO BE MOISTURE CONDITIONED AND COMPACTED TO A FIRM, UNYIELDING CONDITION, AS DIRECTED BY THE SITE ENGINEER.
 6. INITIAL PLACEMENT OF EXCAVATED SEDIMENT WILL BE CAREFULLY PLACED IN A 12" LIFT SO THAT EQUIPMENT DOES NOT DAMAGE LINER.
 7. DAILY INSPECTION AND MAINTENANCE OF THE STORMWATER CONTAINMENT BERMS IS REQUIRED FOR THE DURATION OF THE PROJECT.
 8. STOCKPILED SOIL WILL BE COVERED WITH 10 MIL POLY SHEETING AT THE END OF EACH DAY AND WHEN NOT BEING WORKED ON.
 9. WHEN ONE-HALF (1/2) FULL, THE STORMWATER COLLECTION SUMP IS TO BE PUMPED OUT. COLLECTED STORMWATER TO BE CONTAINED AND DISPOSED OF AT THE DIRECTION OF THE SITE ENGINEER.
 10. SOLIDS ACCUMULATED IN THE SUMP WILL BE EXCAVATED PERIODICALLY AND PLACED ON THE WASTE MATERIAL STOCKPILE.
 11. UPON COMPLETION OF THE WORK, THE STOCKPILE AREA SHALL BE REMOVED, AND THE AREA GRADED.
 12. ANY DAMAGE TO STOCKPILE AREA MUST BE REPORTED TO THE SITE ENGINEER IMMEDIATELY.
 13. LINER SHALL BE 30 MIL HDPE ONE SOLID SHEET OR SHALL HAVE SEAMS WELDED PER MANUFACTURER'S RECOMMENDATIONS. NO OVERLAP WILL BE ACCEPTED.
 14. FLUSHMOUNT WELLS TO BE PROTECTED DURING INSTALLATION AND REMOVAL OF STOCKPILE AREA. LINER TO BE PLACED OVER TOP WELLS.



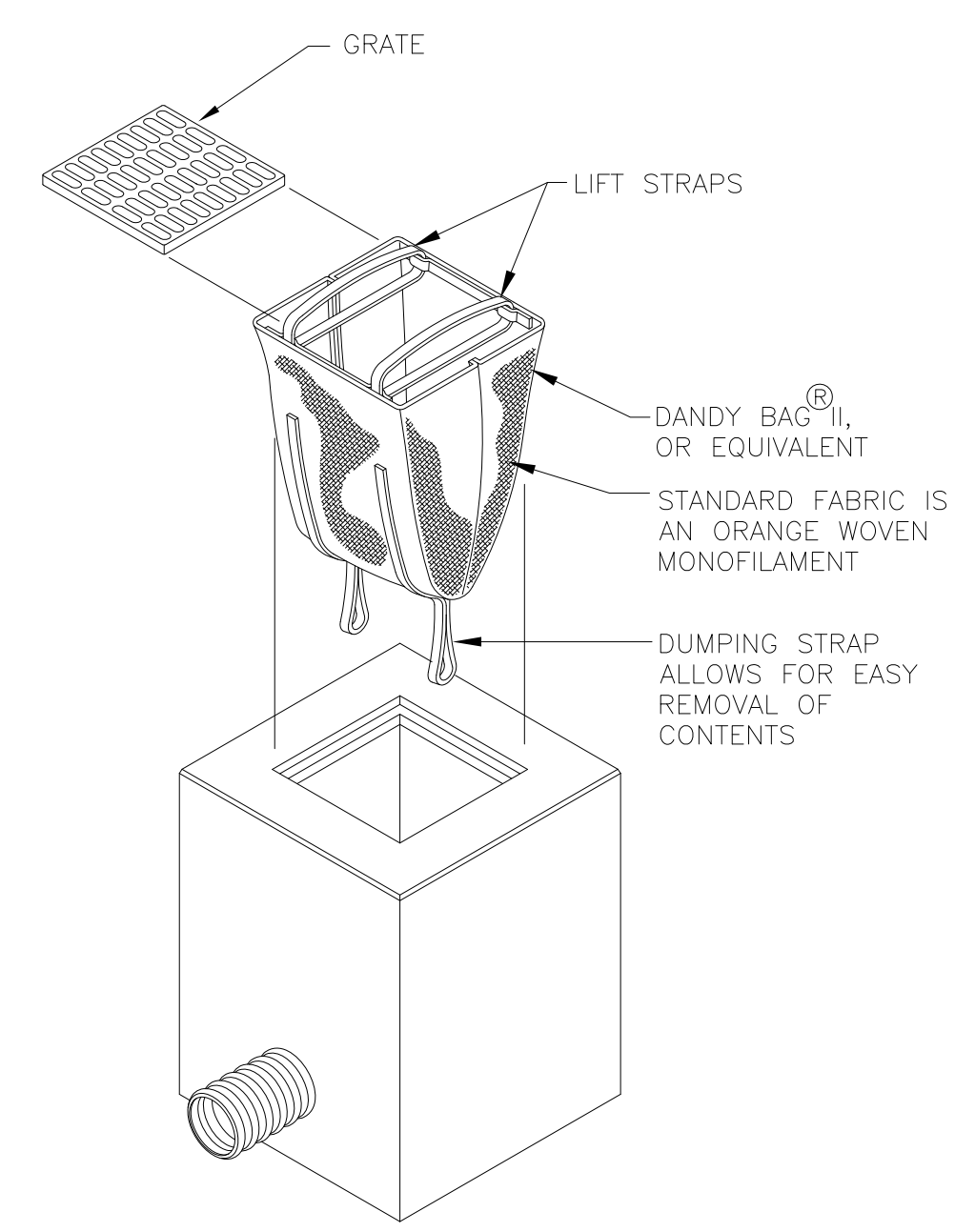
2 STOCKPILE AREA
SCALE: NTS



STORMWATER COLLECTION SUMP DETAIL



3 DECONTAMINATION PAD
SCALE: NTS

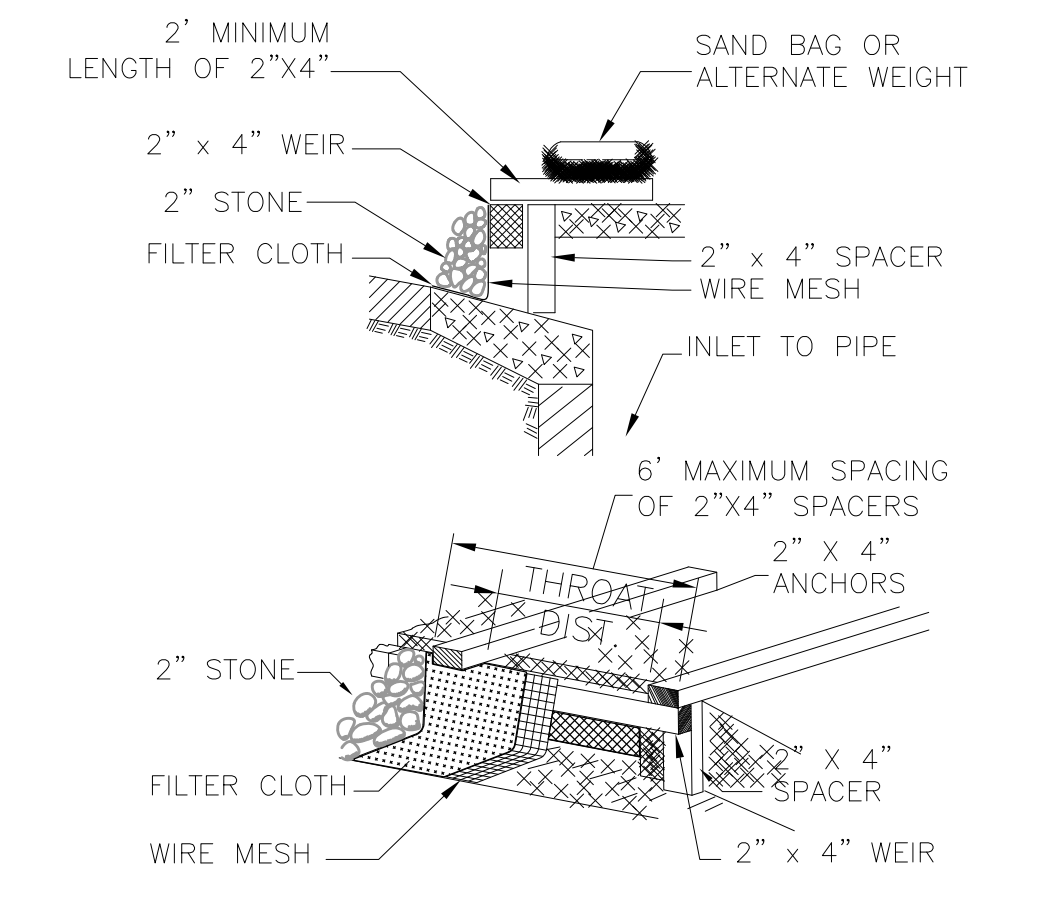


4 INLET PROTECTION DETAIL
SCALE: NTS

INLET PROTECTION
INSTALLATION AND MAINTENANCE GUIDELINES

INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLow IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II, OR EQUIVALENT, SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE SEDIMENT BAG. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
2. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
3. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
4. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE WITH SANDBAGS OR ALTERNATE WEIGHTS.
5. MAXIMUM DRAINAGE AREA 1 ACRE.

5 STORM DRAIN DROP CURB INLET PROTECTION
SCALE: NTS

HUE N. QUAN, P.E.
NJ PROFESSIONAL ENGINEER
24GE0498500

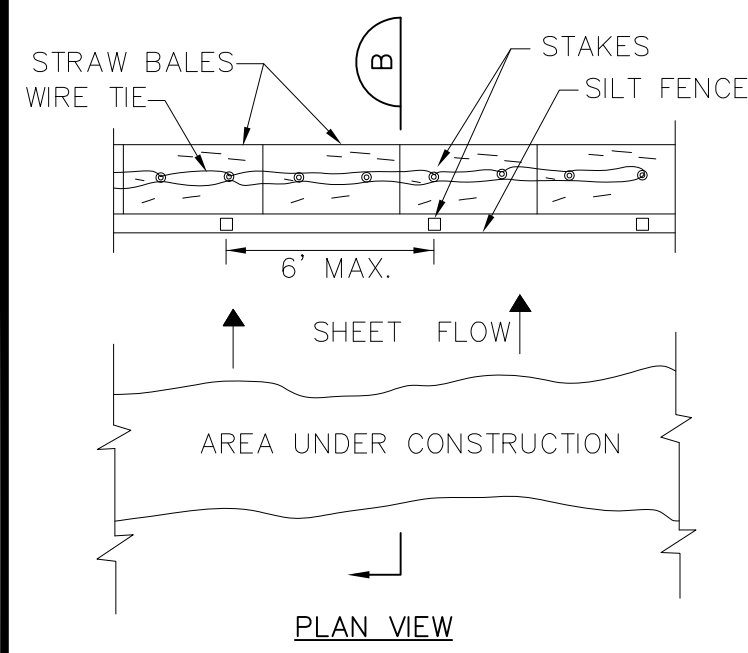
REVISIONS	NO.	DESCRIPTION	DATE	BY
DESIGNED BY:	SM			
DRAWN BY:	SM			
CHECKED BY:	HNO			
APPROVED BY:				

AECOM
30 KNIGHTSBRIDGE ROAD, SUITE 520
PISCATAWAY, NEW JERSEY 08854
PHONE: (732) 369-0000
FAX: (732) 369-0122
WEB: HTTP://WWW.AECOM.COM

SOIL EROSION + SEDIMENT CONTROL PLAN
SECC DETAILS AND NOTES
PPG INDUSTRIES
SITE 114
JERSEY CITY, HUDSON COUNTY, NEW JERSEY

PROJECT NUMBER: 60190341.500A
DATE: 07/26/11
SCALE: NOT TO SCALE

DRAWING NUMBER:
3
SHEET NUMBER:
4 of 5



STRAW BALE INSTALLATION NOTES

EXCAVATE A 4" DEEP TRENCH TO MATCH THE WIDTH OF THE STRAW BALES.

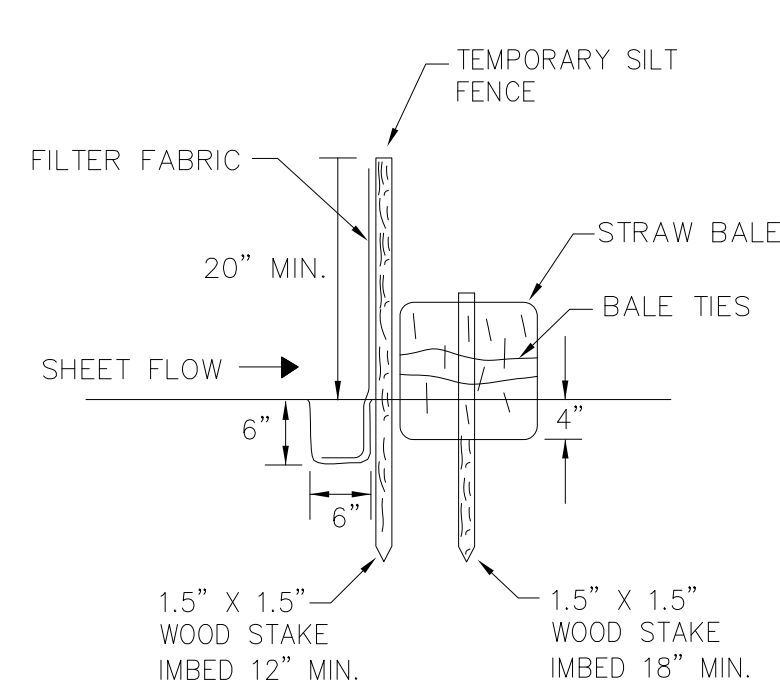
PLACE BALES IN TRENCH WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.

ANCHOR BALES BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.

ADJOINING BALES SHALL BE SECURELY TIED TOGETHER TO PREVENT MOVEMENT.

STRAW WATTLES MAY BE USED IN LIEU OF STRAW BALES. IF USED, WATTLES SHALL BE INSTALLED AND SECURED IN PLACE PER MANUFACTURER'S RECOMMENDATIONS.

STRAW BALES SHOULD NOT BE USED FOR TURTLE EXCLUSION BARRIER.



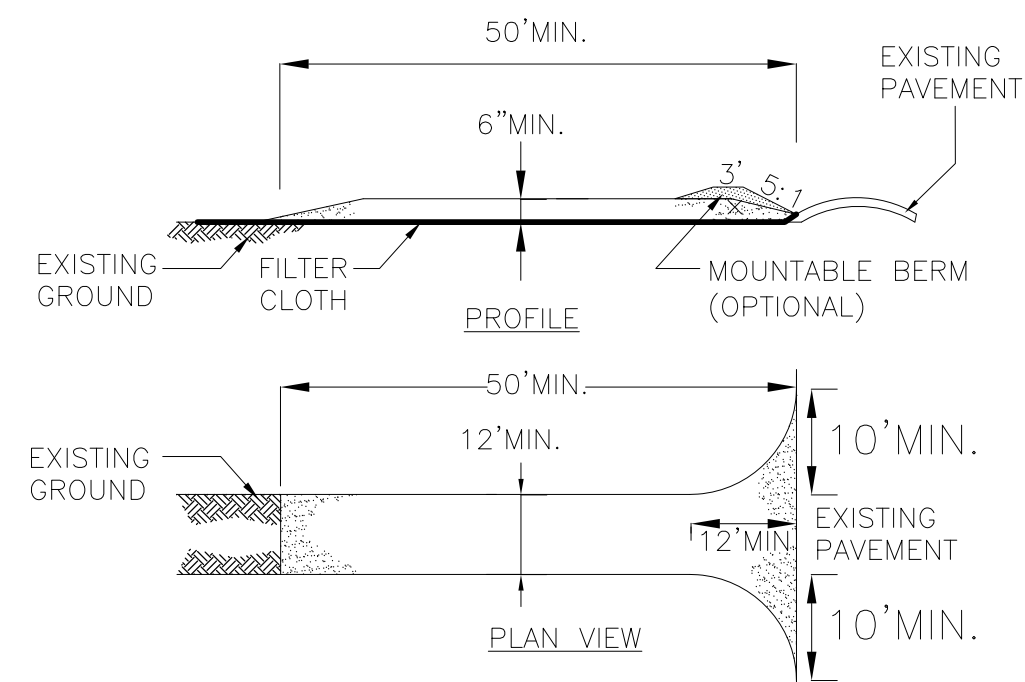
SILT FENCE INSTALLATION NOTES

SET POSTS AND EXCAVATE A 6" BY 6" TRENCH UPSLOPE ALONG THE LINE OF POSTS.

ATTACH FILTER FABRIC TO FENCE POST AND EXTEND IT INTO THE TRENCH.

BACKFILL AND COMPACT THE TRENCH USING THE EXCAVATED SOIL.

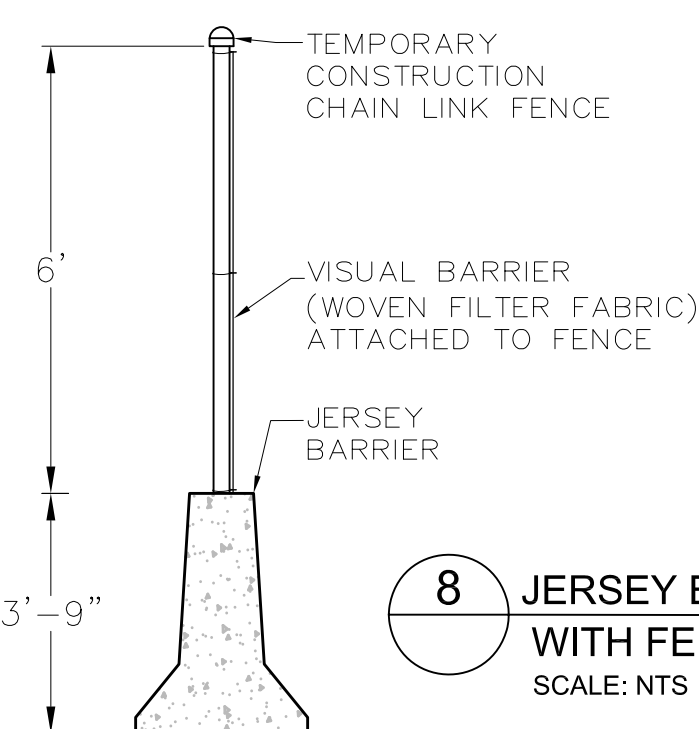
6 STRAW BALE/SILT FENCE
SCALE: NTS



CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

7 CONSTRUCTION ENTRANCE
SCALE: NTS



8 JERSEY BARRIER WITH FENCE
SCALE: NTS

STANDARD FOR DEWATERING

DEFINITION: THE REMOVAL AND DISCHARGE OF SEDIMENT-LADEN WATER FROM AN EXCAVATED AREA, CONSTRUCTION SITE OR SEDIMENT BASIN.

PURPOSE: TO PROPERLY REMOVE SUSPENDED SEDIMENTS AND WATER FROM EXCAVATED AREAS THROUGH FILTRATION AND/OR SETTLEMENT PRIOR TO DISCHARGING WATER TO A RECEIVING WATER COURSE OR BODY.

WHERE APPLICABLE: DURING CONSTRUCTION, EXCAVATED FACILITIES NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAIN SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER. THIS STANDARD DOES NOT ADDRESS THE REMOVAL OF GROUND WATER THROUGH WELL POINTS, ETC. THIS STANDARD DESCRIBES THE FOLLOWING PRACTICES FOR THE REMOVAL OF SEDIMENT LADEN WATERS FROM EXCAVATION AREAS: REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND SILT.

WATER QUALITY ENHANCEMENT: WATER DISCHARGED FROM EXCAVATED AREAS ON CONSTRUCTION SITES MAY BE A SIGNIFICANT CONTRIBUTOR OF SEDIMENT TO SURFACE WATERS DURING CONSTRUCTION. WATER MUST BE REMOVED AND DISPOSED OF IN ORDER FOR CONSTRUCTION TO MOVE FORWARD. TYPICALLY, WATER IS PUMPED OR CONTAINMENT BERMS ARE BREACHED AND SEDIMENT LADEN WATERS ARE PERMITTED TO FLOW UNCONTROLLED INTO SURFACE WATERS SUCH AS STREAMS OR LAKES. BY EMPLOYING PRACTICES DESCRIBED IN THIS STANDARD, THE MAJORITY OF SEDIMENT SUSPENDED IN WATERS MAY EASILY BE REMOVED PRIOR TO LEAVING THE SITE. FILTERS AND MATERIALS DESCRIBED HEREIN ARE READILY AVAILABLE AND ARE EASY TO INSTALL AND MAINTAIN.

DESIGN CRITERIA:

- SEDIMENT TANKS/SILT CONTROL BAGS** ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SEDIMENT TANK OR A SILT CONTROL BAG IS TO BE USED ON SITES WHERE EXCAVATIONS ARE DEEP, AND SPACE IS LIMITED AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAMS AND STORM DRAINAGE SYSTEMS IS TO BE AVOIDED.

CONSTRUCTION SPECIFICATIONS:

- LOCATION** - CONTAINERS (TANKS OR BAGS) SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
- TANK SIZE** - THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY. A TYPICAL TANK CONFIGURATION IS SHOWN ON THE "PORTABLE SEDIMENT TANK" DETAIL. TANKS MAY BE CONNECTED IN SERIES TO INCREASE EFFECTIVENESS.
- TANKS CONSIST OF TWO CONCENTRIC CIRCULAR PIPES (CMP), ATTACHED TO A WATERTIGHT BASEPLATE. THE INNER CMP IS PERFORATED WITH 1" HOLES ON 6" CENTERS AND IS WRAPPED WITH GEOTEXTILE AND HARDWARE CLOTH. PUMPED WATER IS DISCHARGED INTO THE INNER CMP WHERE IT FLOWS THROUGH THE GEOTEXTILE INTO THE SPACE BETWEEN THE TWO CMP'S. A DISCHARGE LINE IS ATTACHED TO THE OUTER CMP AND DRAWS FILTERED WATER FROM THE ANNULUS BETWEEN THE TWO CONCENTRIC CMP'S. THE DISCHARGE LINE MAY BE CONNECTED TO ANOTHER TANK WHERE IT DRAINS TO THE INNER CMP OF THE SECOND TANK. THIS SERIES CONNECTION MAY BE CONTINUED INDEFINITELY.
- SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. SEE "SEDIMENT CONTROL BAG FOR DEWATERING" DETAIL.

PROPOSED INTERIM REMEDIAL MEASURE CONSTRUCTION SCHEDULE AND SEQUENCE:

- 1 DAY INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SURROUNDING DISTURBANCE AREA. INSTALL INLET PROTECTION AROUND CATCHBASINS WITHIN AND NEAR DISTURBANCE AREA WHERE NECESSARY.
- 2 DAYS CONSTRUCT THE STOCKPILE STAGING/DEWATERING AREAS FOR SOIL.
- 5 DAYS ESTABLISH TEMPORARY DEWATERING SYSTEM UTILIZING SUMPS AND FRAC TANKS.
- 10 DAYS DRIVE SHEET PILING TO SPECIFIED DEPTH BELOW GROUND SURFACE (BGS) ALONG GARFIELD AVE.
- 120 DAYS BREAK UP SURFACE SLABS AND EXCAVATE SOILS.
- TBD PRETRENCH PHASE 1 PERIMETER EXCAVATION.
- TBD INSTALLATION OF PHASE 1 PERIMETER SHEET PILE SHORING.
- THROUGHOUT EXCAVATION DEWATERING. WATERS SHALL BE STORED ON-SITE. TREATED WATER SHALL BE COLLECTED AND DISPOSED OF OFF-SITE.
- THROUGHOUT CHARACTERIZE SOIL FOR DISPOSAL OR LOAD SOIL ONTO TRUCKS FOR DISPOSAL OFF-SITE.
- THROUGHOUT CHARACTERIZE SOIL FOR DISPOSAL OR LOAD SOIL ONTO TRUCKS FOR DISPOSAL OFF-SITE.
- THROUGHOUT GRADE AND COMPACT EXISTING SUBBASE TO RECEIVE FILL.
- THROUGHOUT PLACE 5-15 FEET OF CLEAN FILL INTO BOTTOMS OF EXCAVATIONS WITHIN WESTERN HALF OF IRM #1 AREA.
- THROUGHOUT GRADE AND RESTORE WITH IMPORTED CLEAN TOPSOIL AND HYDROSEED.
- 2 DAYS REMOVE STAGING/DEWATERING PADS. RESTORE AREA TO PRE-EXISTING CONDITIONS.
- 1 DAY REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

* ROADWAYS WILL BE INSPECTED DAILY AND SWEEP AS NEEDED TO PREVENT SOIL TRACKING AND ACCUMULATION.

** THE LOCATIONS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE FIELD ADJUSTED TO IMPROVE HEALTH AND SAFETY/TRAFFIC ON SITE. ANY SUBSTITUTIONS WILL BE MADE UNDER THE APPROVAL OF THE FIELD ENGINEER AND WILL BE AS EQUALLY PROTECTIVE AS ORIGINALLY PROPOSED CONTROL MEASURE.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN WILL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" LAST REVISED JULY 1999. THESE MEASURES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ALL SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 60 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, WILL BE TEMPORARILY SEEDED AND HAY MULCHED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
- SEEDING DATES:** THE FOLLOWING SEEDING DATES ARE BEST RECOMMENDED TO ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HEPSCD: SPRING - 3/1-5/15 AND FALL - 8/15-10/1.
- SEDIMENT FENCES ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.
- ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY ONE OF THE PRACTICES ACCEPTED IN THE STANDARDS AND REMAIN UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STORM DRAINAGE OUTLET POINTS SHALL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
- MULCH MATERIALS SHALL BE UN-ROTTED SALT HAY OR SMALL GRAIN STRAW APPLIED AT THE RATE OF 70-90 POUNDS PER 1000 SQUARE FEET (1.5-2.0 TONS/ACRE). ADDITIONAL REQUIRED MULCH PRACTICES ARE PRESCRIBED IN THE STANDARDS.
- SOIL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
- THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT WILL BE NOTIFIED IN WRITING AT LEAST 48 HOURS PRIOR TO ANY SOIL DISTURBING ACTIVITIES. FAX - (973) 364-0784 EMAIL - INFORMATION@HEPSCD.ORG
- THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT-OF-COMPLIANCE PRIOR TO APPLYING FOR THE CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY FROM THE RESPECTIVE MUNICIPALITY, NJ-DCA OR ANY OTHER CONTROLLING AGENCY. CONTACT THE DISTRICT AND GIVE ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE DEPOSIT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR HYDRO-SEED.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. ALL PUMP DEWATERING OPERATIONS SHALL BE DIRECTED TOWARD A FUNCTIONING SEDIMENT BASIN.
- ALL SURFACES ARE TO BE PROVIDED WITH 6 INCHES OF TOPSOIL PRIOR TO RE-SEEDING.
- ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW AND APPROVAL.
- A CRUSHED STONE WHEEL CLEANING TRACKING-PAD IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2" CRUSHED STONE TO A MINIMUM LENGTH OF 50 FEET. ALL DRIVEWAYS MUST BE PROVIDED WITH CRUSHED STONE UNTIL PAVING IS COMPLETE.
- MAXIMUM SOIL SLOPES SHALL NOT EXCEED 2:1 UNLESS ADDITIONAL MEASURES ARE TAKEN AND APPROVED BY THE SOIL CONSERVATION DISTRICT. THESE "SPECIAL" MEASURES SHALL BE DESIGNED BY THE APPLICANT'S ENGINEER.
- THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION OF THE PROJECT OR FOR THE SALE OF INDIVIDUAL LOTS. NEW OWNERS' INFORMATION SHALL BE PROVIDED. ADDITIONAL MEASURES DEFEMED NECESSARY BY DISTRICT OFFICIALS SHALL BE IMPLEMENTED AS CONDITIONS WARRANT.

STANDARD FOR DUST CONTROL

DEFINITION: THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.

PURPOSE: TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCED ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.

WHERE APPLICABLE: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.

WATER QUALITY ENHANCEMENT: SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED. USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.

PLANNING CRITERIA: SPRINKLING - SITE AND EXCAVATION SOILS ARE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET.

P:\Environment\Projects\PPG Industries - PPG\Code\2011 RAMP\SESP\2011-07-28_SESP_Figures.dwg

HUE N. QUAN, P.E.
NJ PROFESSIONAL ENGINEER
24GE0498500

NO.	REVISIONS	DATE	BY

AECOM

30 KNIGHTSBRIDGE ROAD, SUITE 520
PISCATAWAY, NEW JERSEY 08854
PHONE: (732) 969-0000
FAX: (732) 969-0122
WEB: HTTP://WWW.AECOM.COM

SOIL EROSION + SEDIMENT CONTROL PLAN
SESC DETAILS AND NOTES
PPG INDUSTRIES
SITE 114
JERSEY CITY, HUDSON COUNTY, NEW JERSEY

PROJECT NUMBER: 60190341.500A
DATE: 07/26/11
SCALE: NOT TO SCALE

DRAWING NUMBER:
4

SHEET NUMBER:
5 of 5

Quan, Hue

From: Janet Rekesius <Janet@hepscd.org>
Sent: Monday, June 24, 2013 1:19 PM
To: Quan, Hue
Subject: RE: SESCO Extension for 210-H-2765

I've noted the extension of 210-H-2765 in our database. Thanks for the detailed map.

Janet Rekesius
973-364-0786 x11

From: Quan, Hue [<mailto:Hue.Quan@aecom.com>]
Sent: Monday, June 24, 2013 12:56 PM
To: Janet Rekesius
Cc: McGuire, Brian - Environmental; 'Terril, Mark'; Feinberg, Richard [C] (feinberg@ppg.com); MacPhee, Craig; De Ambrogio, Christine; Twiss, Randy; Mikaelian, Scott; Martell, Christopher; Farrell, Erin; Day, Christina; Hayden, Mark; Benjamin Delisle; Fitzpatrick, Aimee; Ken Sicknick
Subject: SESCO Extension for 210-H-2765

Janet-

As discussed, please extend the certification for HEP File #210-H-2765.

Additionally, I have attached an overview of the areas covered under the SESCO Plans for the Jersey City remediation project. Certification 210-H-2765 is shown in gray on the first drawing and the area in orange is certified under 212-H-0022 re-review of HEP #212-H-2969 SESCO rev 8/31/2012. The second drawing shows the areas certified under HEP File #213-H-3117 in blue. As you can see, the area outline by a green dashed-line on the second drawing is covered under 210-H-2765 and 213-H-3117. When the western area (IRM#1) covered under 210-H-2765 is complete and stabilized, a final inspection will be requested to close out the activity.

Please let me know if you require any additional information.

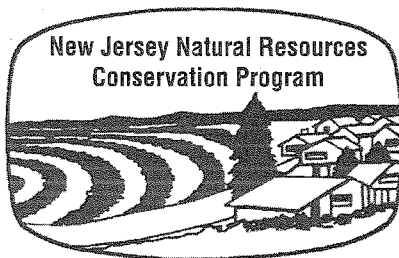
Thank you,

Hue Quan, P.E.
Project Specialist, Environment
D 732.564.3631 C 908.229.1837
Hue.Quan@aecom.com

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**Stormwater Construction General Permit (5G3)
Non-Applicability Summary**



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org

April 14, 2010

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101-2009

RE: **PPG Site 114 IRM Areas 1 & 2**

Chapter 251 ID Code #: 210-H-2765

Block: 2026.A; 2026.1

***SCD Certification Code*:** 1XYIXKY7S7

Lots: 1,3A; 2A,4A,3B

Acres of Soil Disturbance: 4.5

Dear Applicant:

Your proposed project requires a Stormwater Construction General Permit (5G3) pursuant to N.J.S.A. 4:24-39 et seq. Effective October 1, 2009, this permit should no longer be filed through the District office. As the applicant, you are now required to submit applications and payment electronically utilizing the NJDEP Stormwater Construction Activity E-Permitting System or via paper application to NJDEP Bureau of Permits Management. Paper forms can be downloaded at <http://www.nj.gov/dep/dwq/5g3.htm>.

In order to access the E-permitting system you must first become a registered user of NJDEP Online at <http://www.nj.gov/dep/online>. Once registered, the following information is required to complete the E-Permit, Stormwater Construction General Permit Request for Authorization (RFA).

1. The Application / Project name
2. The location of the site – Physical Address, NJ State Plane Coordinates, Block (s) and Lot(s)
3. Highlands Area Approval / Exemption (*if site is located within the Highlands*)
4. Contact information (*address, e-mail, and phone*) for – Fees / Billing contact, Owner, and Permittee
5. Chapter 251 ID Code and SCD Certification Code (*provided above**)
 - * These codes are unique to your stormwater RFA and Chapter 251 approval. Enter these codes in the E-permitting system, on the screen titled “SCD Certified Plan”. The codes are **case sensitive** and each code may only be used once.
6. Area of land disturbance (*provided above*)
7. The date activity will commence
8. Identification number of all existing NJPDES permits for the facility
9. A project description and description of current land use
10. Certification PIN (*This PIN is generated and e-mailed to you when registering a NJDEP online account.*)
11. A method of payment – checking / savings account, voucher payment, credit card

If you have questions regarding this information or any other aspect of the E-Permitting system please contact Daniel Kuti, NJDEP Bureau of Nonpoint Pollution Control at (609) 633-7021 or via e-mail at PortalComments@dep.state.nj.us



- My Workspace
- User Profile
- Certifications
- Payments
- Documents and Forms
- Permit Folder

Version: 4.7

Currently logged in: Eric Acs (E.ACS)

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NON-APPLICABILITY SUMMARY

[Printer Friendly Version](#)

Site Information Summary

Portal ID: 55837

Project Name: PPG Site 114 IRM Areas 1&2

Address: 880-900 Garfield Ave
Jersey City (Hudson), NJ 07305

County: Hudson

Municipality: Jersey City

Location Description:

Is the project in a Highlands Preservation area? No

Contacts

Name: Brian McGuire
Title:
Contact Type: Fees/Billing Contact
E-Mail: bmcguire@ppg.com
Phone: 7325643901 (Work Phone Number)

Name: Brian McGuire
Title:
Contact Type: Owner
E-Mail: bmcguire@ppg.com
Phone: 4124925484 (Work Phone Number)

Name: Brain McGuire
Title:
Contact Type: Permittee
E-Mail: bmcguire@ppg.com
Phone: 4124925683 (Work Phone Number)

Coordinates: X Coordinate: 611296.3 Y Coordinate: 683474.3

Block and Lot: Block: 2026A Lot: 1 County: Hudson Municipality: Jersey City

Block: 2026.A Lot: 3A County: Hudson Municipality: Jersey City

Block: 2026.1 Lot: 2A County: Hudson Municipality: Jersey City

Block: 2026.1 Lot: 4A County: Hudson Municipality: Jersey City

Block: 2026.1 Lot: 3B County: Hudson Municipality: Jersey City

Applicability Questionnaire

Is this a Single Family Dwelling with a land disturbance of one acre or more that was determined to be exempt from Chapter 251 certification?

No

Is the discharge associated with a quarrying activity? No

Does all of the stormwater discharge into a sanitary sewer system or to ground water? Yes

SCD Certified Plan

SCD Certification Code: N/A

251 Identification Code: N/A

Soil Conservation District - HUDSON-ESSEX-PASSAIC

15 Bloomfield Avenue
 North Caldwell, NJ , 07006, (201) 364-0786

Based on the information provided, it has been determined that the Stormwater Construction General Authorization is not applicable to your facility.

If your facility is either a Quarry or a Landfill, where landfilled material is disrupted, your application has been denied. You are not exempt from stormwater regulation and need to apply for a different NJPDES permit. As a courtesy we have compiled all of your responses and listed them in this report. The Department will maintain a record of your submission of this request for your facility. Be aware that you may need to apply for a different NJPDES permit. For further assistance please contact the Bureau of Non-Point Pollution Control at (609)633-7021.

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Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: June 24, 2004

Report of Compliance



Hudson, Essex & Passaic Soil
 Conservation District
 15 Bloomfield Avenue
 North Caldwell, NJ 07006
 (973)364-0786
 Fax (973)364-0784



State Soil Conservation
 Committee

REPORT OF COMPLIANCE

This certifies that the Soil Erosion and Sediment Control measures to the extent indicated comply with the Soil Erosion and Sediment Control Plans as certified by the Soil Conservation District pursuant to Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (NJSA 4:24-39 et seq.)

Municipality: *City of Jersey City*

Project Name: *PPG Site 114 IRM Areas I + II*

SCD Application No: *210 - H - 2765*

Block(s): *21501* Lot(s): *20* Street Address: *900 Garfield Ave*

Block(s): *21501* Lot(s): *18* Street Address: *880 Garfield Ave*

CONDITIONAL COMPLIANCE* (CRC) REPORT OF COMPLIANCE - NO CONDITIONS (ROC)

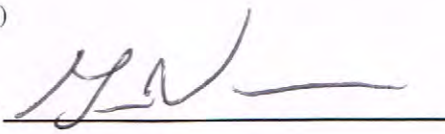
Date: *Feb 9, 2015* Signature of District Official: 

***CONDITIONS:**

1. Establishment of permanent stabilization of all disturbed areas in accordance with the certified soil erosion and sediment control plan.

Conditions above must be satisfied no later than

FINAL REPORT OF COMPLIANCE
 (invalid if checked in addition to the CRC and/or ROC boxes unless authorized by district official)

Date: *Feb 9, 2015* Signature of District Official: 

Distribution:
 Municipal Construction Office, Developer/Owner, District, Other

SESCP – Southwest Area



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org
www.hepsoilnj.org

March 8, 2012

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Dr.
Allison Park, PA 15101-2009

Re: **PPG Site 114 Southwest Area Remedial Action**
880-900 Garfield Ave, Jersey City, NJ
Block: 2026.A; 2026.1 Lot: 1,3A; 2A,4A,3B
HEPSCD 251 ID Code #212-H-2969, Plan dated: 1/30/12

Dear Sir/Madam:

The District has completed the review of the soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified in writing 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification is valid for 3-1/2 years from the date of this letter and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

A handwritten signature in black ink, appearing to read "Carl Quazza".

Carl Quazza
Chairman

Cc: Planner, Municipality, County

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE REQUIRED 48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN

This project ~~requires~~ ~~does not require~~ the NJDEP 5G3 (RFA) permit prior to groundbreaking.

This project will not require the NJDEP 5G3 permit based on 3/12/12 discussion with Daniel Futi, NJDEP. Project discharges to sanitary sewers following pre-treatment on site.

PROJECT NAME: PPG SITE 114 SOUTHWEST AREA REMEDIAL ACTION

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 212-H-2969

PROJECT LOCATION: STREET ADDRESS: 880-900 Garfield Ave

MUNICIPALITY: Jersey City

PROJECT OWNER/APPLICANTS NAME: PPG Industries, Inc./
Brian G. McGuire

ADDRESS: 4325 Rosanna Drive, Allison Park, PA 15101-2009

PHONE #: 412-492-5683 **FAX:** 412-492-5484

E-MAIL: _____ **CELL#** _____

ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME: AECOM / Ed Bradshaw

ADDRESS: 880-900 Garfield Ave Jersey City, NJ

PHONE #: 914 879 1759 **FAX** _____

EMAIL: edward.bradshaw@aecom.com **CELL#** 914 879 1759

PROJECT START DATE: July 2 2012

(including DEMOLITION, CLEARING, LAND GRADING) This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L. 1975, and may result in additional fees.

**MAIL THIS NOTICE TO: HUDSON-ESSEX-PASSAIC SCD
15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006**

Or send via **FAX: (973)364-0784** or **EMAIL: information@hepscd.org**

Quan, Hue

From: Janet Rekesius <Janet@hepscd.org>
Sent: Monday, March 12, 2012 1:57 PM
To: Quan, Hue
Subject: RE: PPG Site 114 Southwest 212-H-2969

Hue, you may use the same Start Notice. Just note the exemption below that line and I will take care of the rest.

Thanks!

Janet Rekesius
973-364-0786 x11

From: Quan, Hue [<mailto:Hue.Quan@aecom.com>]
Sent: Monday, March 12, 2012 1:46 PM
To: Janet Rekesius
Cc: Martell, Christopher; MacPhee, Craig; Bradshaw, Edward D.; bmcguire@ppg.com
Subject: RE: PPG Site 114 Southwest 212-H-2969

Good afternoon Janet-

I just spoke with Mr. Daniel Kuti, NJDEP Bureau of Nonpoint Pollution Control regarding the 5G3 (RFA) permit. I informed Mr. Kuti that we received a Letter of Non-Applicability in the past because we did not discharge back to groundwater or sewers. As of January we began discharging to the sanitary sewers (combined sewer system in Jersey City), following pre-treatment from our temporary on-site groundwater treatment plant. Mr. Kuti informed me that this project still does not require a 5G3 permit as we are not discharging to storm sewers that are directly connected to surface waters. Please note that, although we are discharging to a combine sewer system, no discharges occur during rain events and any water that is collected from bermed areas (secondary containments, etc.) are transferred into a holding tank onsite to be processed in the treatment plant prior to discharging to the sanitary sewers when the dry weather returns.

Mr. Kuti indicated I will not need to submit for the 5G3 online. Based on my discussion with Mr. kuti, I will remove the application started. Please advise if we should still use the Start Notice provided with the approval or if a new one will be issued (indicating that this project does not require the NJDEP 5G3 permit).

Thank you,

Hue Quan, P.E.
Project Specialist
Environment
D 732.564.3631 M 732.850.5851
Hue.Quan@aecom.com

AECOM
30 Knightsbridge Road, Suite 520, Piscataway, NJ 08854
T 732.564.3600 F 732.369.0122
www.aecom.com

This electronic communication, which includes any files or attachments thereto, contains proprietary or confidential information and may be privileged and otherwise protected under copyright or other applicable intellectual property laws. All information contained in this electronic communication is solely for the use of the individual(s) or entity to which it was addressed. If you are not the intended recipient(s), you are hereby notified that distributing, copying, or in any way disclosing any of the information in this e-mail is strictly

prohibited. If you have received this e-mail in error, please notify the sender immediately, and destroy the communication and any files or attachments in their entirety, whether in electronic or hard copy format. Since data stored on electronic media can deteriorate, be translated or modified, AECOM, its subsidiaries, and/or affiliates will not be liable for the completeness, correctness or readability of the electronic data. The electronic data should be verified against the hard copy.

From: Janet Rekesius [<mailto:Janet@hepscd.org>]
Sent: Thursday, March 08, 2012 10:21 AM
To: Quan, Hue
Subject: PPG Site 114 Southwest 212-H-2969

Hue,

Please find attached the letter containing the link, codes and instructions for the online application for the NJDEP stormwater permit. It is recommended you cut and paste the codes for accuracy. Hard copies of this letter and the certification will be mailed today. If you will not be applying on behalf of the project owner, kindly forward this to the owner's attention.

Janet Rekesius
Hudson Essex Passaic Soil Conservation District
15 Bloomfield Ave.
North Caldwell, NJ 07006
P 973-364-0786 x11
F 973-364-0784
www.hepsoilnj.org

SOIL EROSION AND SEDIMENT CONTROL PLAN REMEDIAL ACTION WORK PLAN (RAWP) ACTIVITIES SOUTHWEST AREA PPG SITE 114 JERSEY CITY, NEW JERSEY

DRAWING

- 1
- 2
- 3
- 4

DESCRIPTION

- EXISTING CONDITIONS PLAN
- SESC MEASURES
- SESC DETAILS AND NOTES
- SESC DETAILS AND NOTES (con't)

PREPARED BY:



30 KNIGHTSBRIDGE ROAD,
PISCATAWAY, NEW JERSEY 08854

HUE N. QUAN, P.E.
NJ PROFESSIONAL ENGINEER
24GE0468600

NO.	DRAWN/DATE	REVISION	CHKD/DATE	APPV/DATE

AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
www.aecom.com
NJ C.O.A. No.: 24GE0468600

PPG INDUSTRIES
SOUTHWEST AREA - SITE 114
JERSEY CITY, HUDSON COUNTY, NJ

PROJ. NO.: 60158739 DATE: 01/30/12

**SOIL EROSION &
SEDIMENT CONTROL PLAN
REMEDIAL ACTION
WORK PLAN ACTIVITIES**

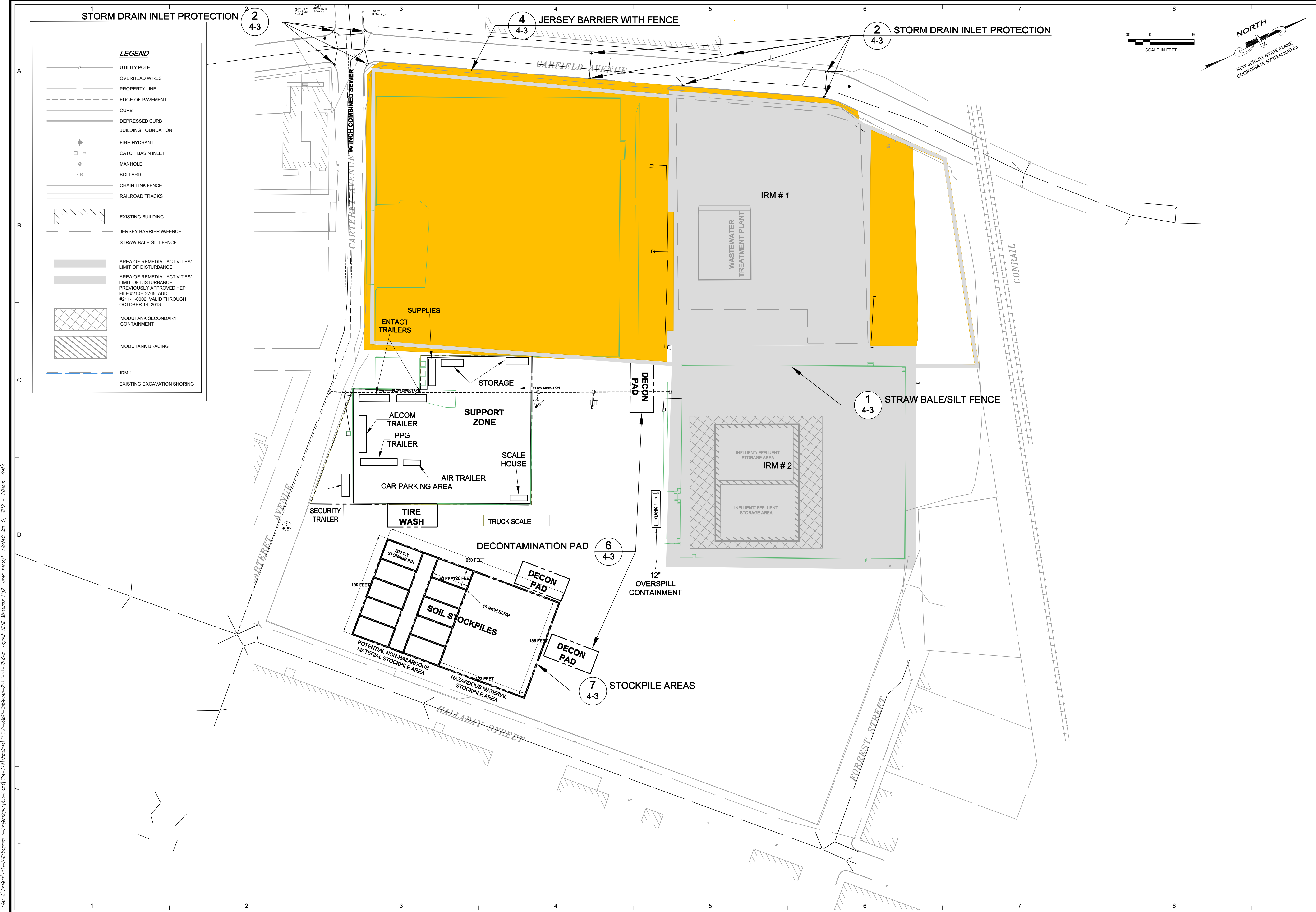
SOUTHWEST AREA

DRAWING NUMBER:
COVER

SHEET NUMBER:
1 of 5

REVISION

File: J:\Project\PPG-AUC\Program\Project\Rawp\114\Drawings\SESC-RAWP-SWArea-2012-01-25.dwg Layout: Cover User: hnc017 Plotter: Jan 30, 2012 - 2:03pm Xref's:



File: J:\Project\PPG-AUC\Program\Project\Drawings\Site\114\Drawings\Site\114\PPG-SW-2012-01-25.dwg Layout: EESC Measures Fig2 User: hwehly Plotter: Jcb, Jr., 2012-10-09m Xref's:

HUE N. QUAN, P.E.
 NJ PROFESSIONAL ENGINEER
 246C468900

NO.	DATE	REVISION	CHKD.	DATE	APP'D.	DATE
0	R.M.T. 01/30/12	ORIGINATION	HNQ	01/30/12	CM	01/30/12

AECOM
 30 Kingbridge Road, Suite 520
 Newark, NJ 07102
 www.aecom.com
 NJ C.O.A. No.: 246249002200

PPG INDUSTRIES
 SOUTHWEST AREA - SITE 114
 JERSEY CITY, HUDSON COUNTY, NJ

PROJ. NO.: 60158739 DATE: 01/30/12

SOIL EROSION AND SEDIMENT CONTROL MEASURES
 SOUTHWEST AREA

DRAWING NUMBER:	2
SHEET NUMBER:	1 of 1
REVISION	

Report of Compliance



**Hudson, Essex & Passiac Soil
Conservation District**
80 Orchard Street
Bloomfield, NJ 07003-5104
(862) 333-4505
Fax (862) 333-4507
www.hepsoilnj.org



State Soil Conservation
Committee

REPORT OF COMPLIANCE

This certifies that the Soil Erosion and Sediment Control measures to the extent indicated comply with the Soil Erosion and Sediment Control Plans as certified by the Soil Conservation District pursuant to Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (NJSA 4:24-39 et seq.)

Municipality: Jersey City

Project Name: PPG Site 114 Southwest Area Remedial Action

SCD Application No: 212-14 2969

Block(s): 2026.a Lot(s): 1, 3A Street Address: # 880-900 Garfield Avenue

Block(s): 2026.1 Lot(s): 2A, 4A, 3B Street Address:

CONDITIONAL COMPLIANCE* (CRC)

REPORT OF COMPLIANCE - NO CONDITIONS (ROC)

Date: 3/15/16

Signature of District Official: [Signature]

***CONDITIONS:**

1. Establishment of permanent stabilization of all disturbed areas in accordance with the certified soil erosion and sediment control plan.

Conditions above must be satisfied no later than

FINAL REPORT OF COMPLIANCE

(invalid if checked in addition to the CRC and/or ROC boxes unless authorized by district official)

Date: 3/15/16

Signature of District Official: [Signature]

Distribution:

Municipal Construction Office, Developer/Owner, District, Other

SESCP – Southwest Area and Phase 1C



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org
www.hepsolnj.org

September 20, 2012

Mr. Brian McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101

Re: **PPG Site 114 Southwest Area Remedial Action**
Revisions to Certified Plan: Revised to add Phase 1C Excavation & Disposal
880-900 Garfield Ave, Jersey City, NJ
Block: 21501 Lot: 16,17,18,19
212-H-0022 re-review of HEP Ch.251 #**212-H-2969** SESC rev. 8/31/12

Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan **remains certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified by mail 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

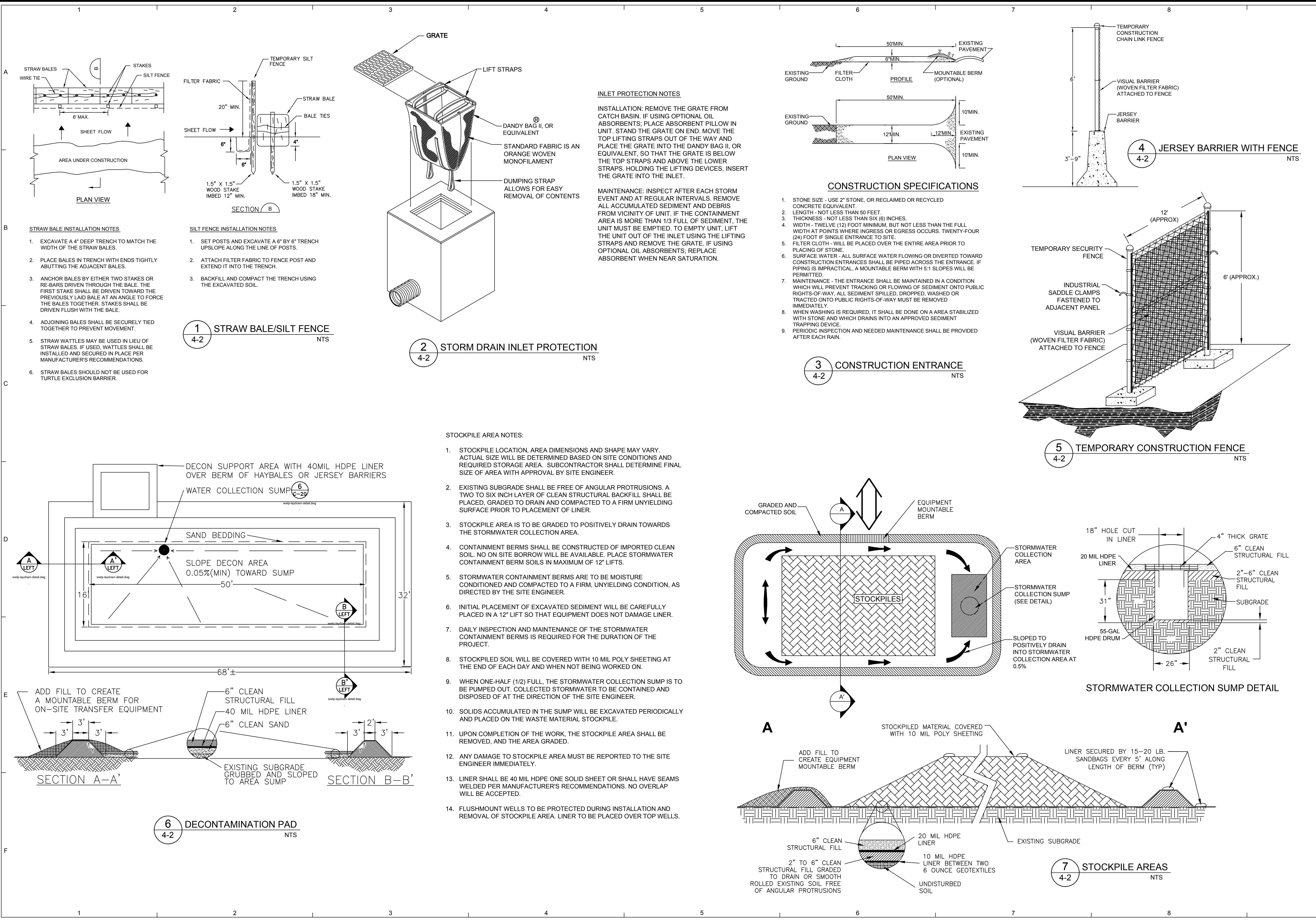
Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification remains valid through September 8, 2015, and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,


Carl Quazza
Chairman

Cc: Planner, Municipality, County

File: A:\Project\1910-MDProgram (E-Project)\163-Civil\114\Drawings\13200-01\13200-01-08-11.dwg Layout: SSC Detail & Notes Fig. 3 User: kerryh1 Plotted: Aug 31, 2012 - 14:50m kral's.



INLET PROTECTION NOTES

INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS: PLACE ABSORBENT PILLW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II, OR EQUIVALENT, SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE: INSPECT AFTER EACH STORM EVENT AND AT REGULAR INTERVALS. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.

- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50 FEET.
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

- STOCKPILE AREA NOTES:**
- STOCKPILE LOCATION, AREA DIMENSIONS AND SHAPE MAY VARY. ACTUAL SIZE WILL BE DETERMINED BASED ON SITE CONDITIONS AND REQUIRED STORAGE AREA. SUBCONTRACTOR SHALL DETERMINE FINAL SIZE OF AREA WITH APPROVAL BY SITE ENGINEER.
 - EXISTING SUBGRADE SHALL BE FREE OF ANGULAR PROTRUSIONS. A TWO TO SIX INCH LAYER OF CLEAN STRUCTURAL BACKFILL SHALL BE PLACED, GRADED TO DRAIN AND COMPACTED TO A FIRM UNYIELDING SURFACE PRIOR TO PLACEMENT OF LINER.
 - STOCKPILE AREA IS TO BE GRADED TO POSITIVELY DRAIN TOWARDS THE STORMWATER COLLECTION AREA.
 - CONTAINMENT BERMS SHALL BE CONSTRUCTED OF IMPORTED CLEAN SOIL. NO ON SITE BORROW WILL BE AVAILABLE. PLACE STORMWATER CONTAINMENT BERM SOILS IN MAXIMUM OF 12" LIFTS.
 - STORMWATER CONTAINMENT BERMS ARE TO BE MOISTURE CONDITIONED AND COMPACTED TO A FIRM, UNYIELDING CONDITION, AS DIRECTED BY THE SITE ENGINEER.
 - INITIAL PLACEMENT OF EXCAVATED SEDIMENT WILL BE CAREFULLY PLACED IN A 12" LIFT SO THAT EQUIPMENT DOES NOT DAMAGE LINER.
 - DAILY INSPECTION AND MAINTENANCE OF THE STORMWATER CONTAINMENT BERMS IS REQUIRED FOR THE DURATION OF THE PROJECT.
 - STOCKPILED SOIL WILL BE COVERED WITH 10 MIL POLY SHEETING AT THE END OF EACH DAY AND WHEN NOT BEING WORKED ON.
 - WHEN ONE-HALF (1/2) FULL, THE STORMWATER COLLECTION SUMP IS TO BE PUMPED OUT. COLLECTED STORMWATER TO BE CONTAINED AND DISPOSED OF AT THE DIRECTION OF THE SITE ENGINEER.
 - SOLIDS ACCUMULATED IN THE SUMP WILL BE EXCAVATED PERIODICALLY AND PLACED ON THE WASTE MATERIAL STOCKPILE.
 - UPON COMPLETION OF THE WORK, THE STOCKPILE AREA SHALL BE REMOVED, AND THE AREA GRADED.
 - ANY DAMAGE TO STOCKPILE AREA MUST BE REPORTED TO THE SITE ENGINEER IMMEDIATELY.
 - LINER SHALL BE 40 MIL HDPE ONE SOLID SHEET OR SHALL HAVE SEAMS WELDED PER MANUFACTURER'S RECOMMENDATIONS. NO OVERLAP WILL BE ACCEPTED.
 - FLUSHMOUNT WELLS TO BE PROTECTED DURING INSTALLATION AND REMOVAL OF STOCKPILE AREA. LINER TO BE PLACED OVER TOP WELLS.

HUIEN, QUAN, P.E.		NJ PROFESSIONAL ENGINEER 246E0489500	
NO. DRW/DATE	REVISION	APP'D/DATE	CHK'D/DATE
		AECOM 1000 New York Avenue, Suite 500 Jersey City, NJ 07310 www.aecom.com NJ C.O.A. No.: 245A0010200	
PPG INDUSTRIES		DATE: 08/31/12	
PHASE IC AREA - SITE 114		PROJ. NO.: 60240739	
JERSEY CITY, HUDSON COUNTY, NJ		PHASE IC AREA	
DRAWING NUMBER: 3			
SHEET NUMBER: 4 of 5			
REVISION			

SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES

Report of Compliance



**Hudson, Essex & Passiac Soil
Conservation District**
80 Orchard Street
Bloomfield, NJ 07003-5104
(862) 333-4505
Fax (862) 333-4507
www.hepsoilnj.org



State Soil Conservation
Committee

REPORT OF COMPLIANCE

This certifies that the Soil Erosion and Sediment Control measures to the extent indicated comply with the Soil Erosion and Sediment Control Plans as certified by the Soil Conservation District pursuant to Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (NJSA 4:24-39 et seq.)

Municipality: Jersey City

Project Name: PPG Site 114 Southwest Area Remedial Action

SCD Application No: 212-14 2969

Block(s): 2026.a Lot(s): 1, 3A Street Address: # 880-900 Garfield Avenue

Block(s): 2026.1 Lot(s): 2A, 4A, 3B Street Address:

CONDITIONAL COMPLIANCE* (CRC)

REPORT OF COMPLIANCE - NO CONDITIONS (ROC)

Date: 3/15/16

Signature of District Official: [Signature]

***CONDITIONS:**

1. Establishment of permanent stabilization of all disturbed areas in accordance with the certified soil erosion and sediment control plan.

Conditions above must be satisfied no later than

FINAL REPORT OF COMPLIANCE

(invalid if checked in addition to the CRC and/or ROC boxes unless authorized by district official)

Date: 3/15/16

Signature of District Official: [Signature]

Distribution:

Municipal Construction Office, Developer/Owner, District, Other

SESCP – Phase 2B-1, 2B-3, and Phase 3A



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org
www.hepsoilnj.org

February 5, 2013

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Dr.
Allison Park, NJ 15101

Re: **PPG Phase 2B-1, 2B-3 (Site 114) & Phase 3A (Sites 132,137,&143)**
880,824 & 846 Garfield Ave and 25 Halladay St, Jersey City, NJ
Block: 21501;21510 Lot: 16-20;2,4,1
HEPSCD 251 ID Code #213-H-3117, plan dated 1/14/13

Dear Sir/Madam:

The District has completed the review of the soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified in writing 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification is valid for 3-1/2 years from the date of this letter and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

Carl Quazza
Chairman

Cc: Planner, Municipality, County



For District Use Only

Application Number	213-4-3117
Certification	2/5/13
Discharge to	PO-TW

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form

Name of Project PPG Phases 2B-1 & 2B-3 (Site 114) and 3A (Sites 132, 137 & 143)		Project Location: Municipality Jersey City, Hudson County	
Project Street Address 880; 824 & 846 Garfield Ave and 25 Halladay St		Block 21501; 21510	Lot 16-20; 2, 1, & 4 respectively
Project Owner(s) Name PPG Industries, Inc.		Phone : 412-492-5683 Fax # 412-492-5484	
Project Owner(s) Street Address (No P.O. Box Numbers) 4325 Rosanna Drive		City Allison Park	State PA
		Zip 15101	
Total Area of Project (Acres) 9.96	Total Area or Land to be Disturbed (Acres) 9.96	No. Dwelling or other Units N/A <i>Cat D</i>	Fee \$ 2175.00
Plans Prepared by* AECOM		Phone # 732-564-3631 Fax # 732-369-0122	
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854

(Engineering related items of the Soil Erosion and Sediment Control Plan MUST be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

Agent Responsible During Construction AECOM			
Street Address 30 Knightsbridge Road, Suite 520			
City Piscataway	State NJ	Zip 08854	Phone 732-564-3631
		Fax # 732-369-0122	

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current Standards for Soil Erosion and Sediment Control In New Jersey and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction
- To allow District agents to go upon project lands for inspection
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency.

1. Applicant Certification* <i>Brian G. McGuire</i> Signature Brian G. McGuire Applicant Name (Print) Date 1/22/13	3. Plan determined complete: <i>[Signature]</i> Signature of District Official Date 2/5/13
2. Receipt of fee, plan and supporting documents is hereby acknowledged: <i>[Signature]</i> Signature of District Official Date 1/25/13	4. Plan certified, denied or other actions noted above. Special Remarks <i>[Signature]</i> Signature of District Official Date 2/5/13

*If other than project owner, written authorization of owner must be attached.

SSCC251 AP10 4/99

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE REQUIRED 48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN

This project requires ~~does not require~~ the NJDEP 5G3 (RFA) permit prior to groundbreaking.

PROJECT NAME: PPG Phases 2B-1, 2B-3 (Site 114) & Phase 3A (Sites 132, 137, 143)

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 213-H-3117

PROJECT LOCATION: STREET ADDRESS: 880, 824, 846 Garfield Ave
25 Halladay St

MUNICIPALITY: Jersey City

PROJECT OWNER/APPLICANTS NAME: PPG Industries, Inc/
Brian G. McGuire

ADDRESS: 4325 Rosanna Dr, Allison Park, PA 15101

PHONE #: 412-492-5683 FAX: 412-492-5484

E-MAIL: _____ CELL# _____

ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME: AECOM / Ed Bradshaw

ADDRESS: 880, 824 Garfield Avenue

PHONE #: 914 879 1759 FAX: _____

EMAIL: eduard.bradshaw@aecom.com CELL# 914 879 1759

PROJECT START DATE: March 7, 2013 ←

(including DEMOLITION, CLEARING, LAND GRADING) This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L 1975, and may result in additional fees.

MAIL THIS NOTICE TO: HUDSON-ESSEX-PASSAIC SCD
15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Or send via FAX: (973)364-0784 or EMAIL: information@hepscd.org

SOIL EROSION AND SEDIMENT CONTROL PLAN REMEDIAL ACTION WORK PLAN (RAWP) ACTIVITIES PHASE 2B-1 & 2B-3 AND PHASE 3A AREAS PPG SITE 114 JERSEY CITY, NEW JERSEY

DRAWING

1

2

3

4

DESCRIPTION

EXISTING CONDITIONS PLAN

SESC MEASURES

SESC DETAILS & NOTES

SESC DETAILS & NOTES (con't)

PREPARED BY:



30 KNIGHTSBRIDGE ROAD,
PISCATAWAY, NEW JERSEY 08854



AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
www.aecom.com
NJ C.O.A. No. 246A4800280

PPG INDUSTRIES
PHASE 2B-1 & 2B-3 AND 3A - SITE 114
JERSEY CITY, HUDSON COUNTY, NJ

PROJ. NO.: 60279171 DATE: 01/30/12

**SOIL EROSION &
SEDIMENT CONTROL PLAN
REMEDIAL ACTION
WORK PLAN ACTIVITIES**

PHASE 2B-1 & 2B-3 AND PHASE 3A

DRAWING NUMBER:

COVER

SHEET NUMBER:

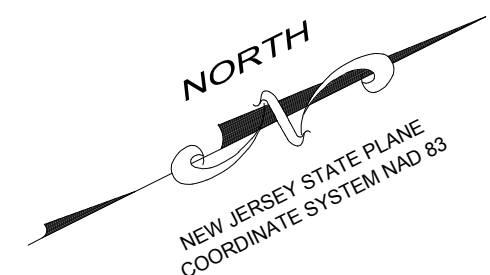
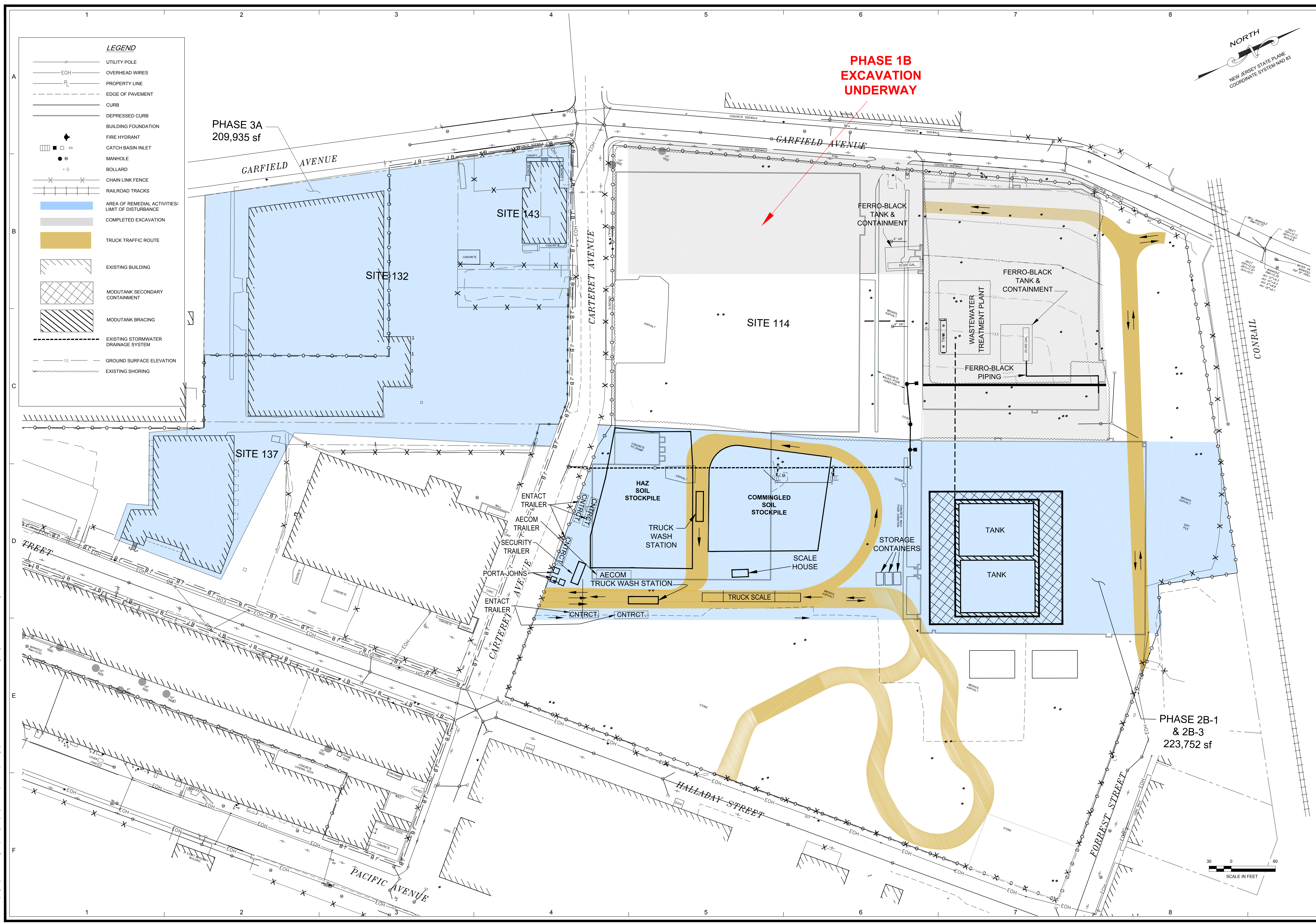
1 of 5

REVISION 1

NO	DRWN/DATE	REVISION	ORIGINATION	CHKD/DATE	APPV/DATE
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0	R.M.T.01/30/12		ORIGINATION	HNQ	01/30/12
	NO DRWN/DATE				

HUEN, QUAN, P.E.
NJ PROFESSIONAL ENGINEER
246C489800

File: P:\Project\PPG-NU\Program 6-Project\Drawings\SCSOP-60MP-226-P24-2013-01-21.dwg Layout: Exst Cond Plan Fig 1 User: thasik Plotdate: Jan 21, 2013 - 10:02am Title: S:



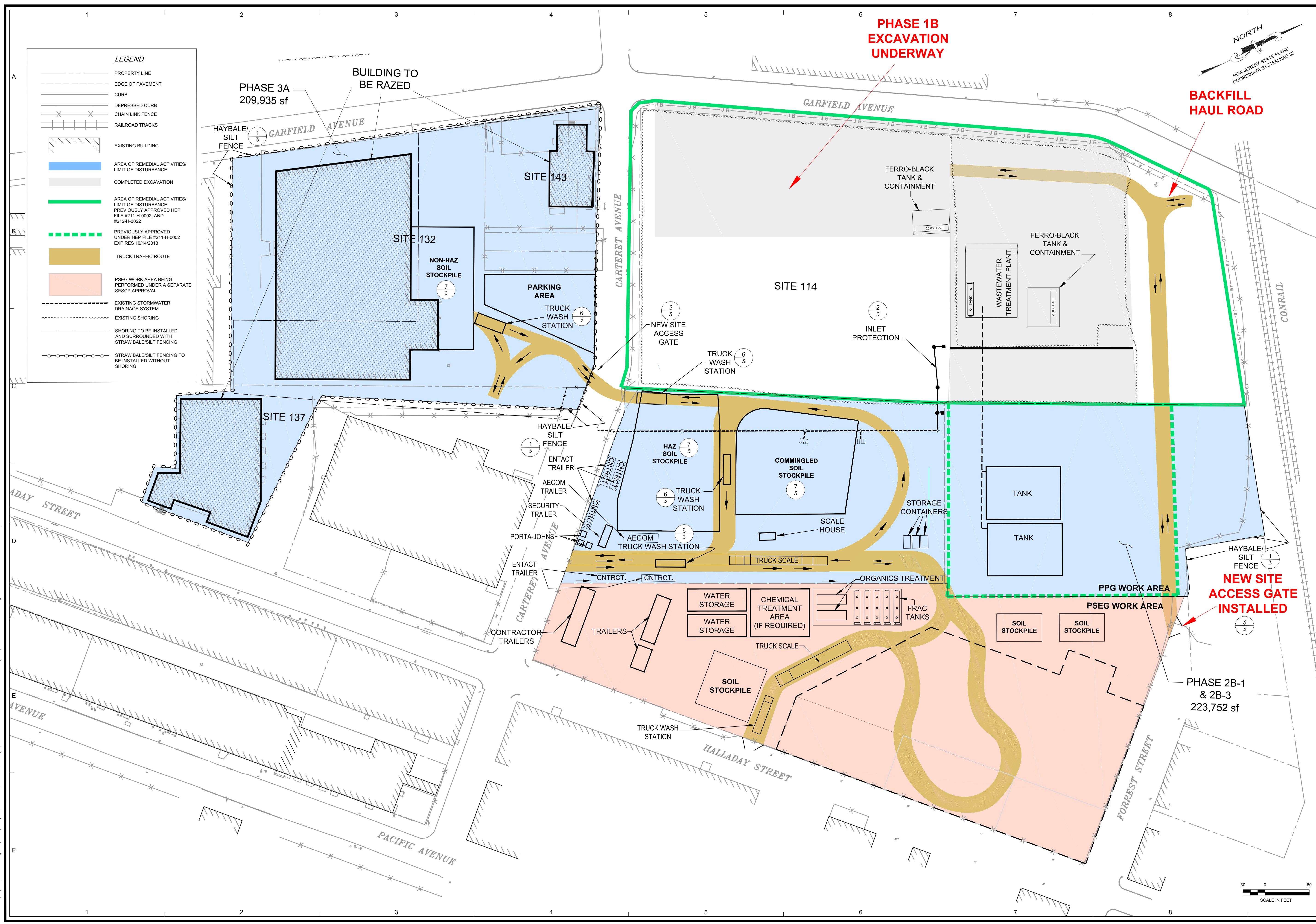
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0	R.M.T.01/30/12	1	NO DRW/DATE	REVISION	CHKD/DATE	APPV/D	DATE		

AECOM
 AECOM
 1000 Corporate Center Road, Suite 500
 Parsippany, NJ 08854
 www.aecom.com
 NJ C.O.A. No.: 245A0002200

PPG INDUSTRIES
 PHASE 2B-1 & 2B-3 AND 3A - SITE 114
 JERSEY CITY, HUDSON COUNTY, NJ
 PROJ. NO.: 60279171
 DATE: 01/30/12

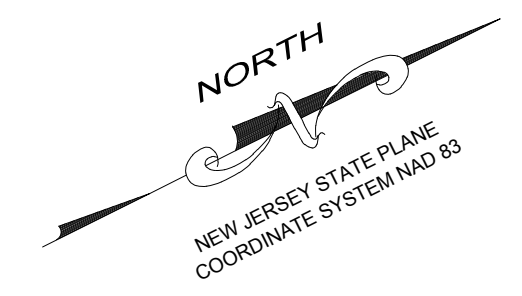
EXISTING CONDITIONS PLAN
 PHASE 2B-1 & 2B-3 AND 3A
 DRAWING NUMBER:
1
 SHEET NUMBER:
2 of 5
 REVISION 1

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LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- CURB
- DEPRESSED CURB
- CHAIN LINK FENCE
- RAILROAD TRACKS
- EXISTING BUILDING
- AREA OF REMEDIAL ACTIVITIES/ LIMIT OF DISTURBANCE
- COMPLETED EXCAVATION
- AREA OF REMEDIAL ACTIVITIES/ LIMIT OF DISTURBANCE PREVIOUSLY APPROVED HEP FILE #211-H-0002, AND #212-H-0022
- PREVIOUSLY APPROVED UNDER HEP FILE #211-H-0002 EXPIRES 10/14/2013
- TRUCK TRAFFIC ROUTE
- PSEG WORK AREA BEING PERFORMED UNDER A SEPARATE SESP APPROVAL
- EXISTING STORMWATER DRAINAGE SYSTEM
- EXISTING SHORING
- SHORING TO BE INSTALLED AND SURROUNDED WITH STRAW BALE/SILT FENCING
- STRAW BALE/SILT FENCING TO BE INSTALLED WITHOUT SHORING



1	HNQ	01/14/13	GENERAL REQUIREMENTS	R.M.T.01/30/12 CM	01/30/12
0	IR.M.T.01/30/12	ORIGINATOR		HNQ	01/30/12 CM
	NO DRW/DATE	REVISION		CHKD/DATE	APPV/DATE

AECOM

AECOM
 1000 Corporate Center Road, Suite 520
 Parsippany, NJ 08854
 www.aecom.com
 NJ C.O.A. No.: 24546002200

PPG INDUSTRIES
 PHASE 2B-1 & 2B-3 AND 3A - SITE 114
 JERSEY CITY, HUDSON COUNTY, NJ

PROJ. NO.: 60279171
 DATE: 01/30/12

SOIL EROSION AND SEDIMENT CONTROL MEASURES

PHASE 2B-1 & 2B-3 AND 3A

DRAWING NUMBER:
2

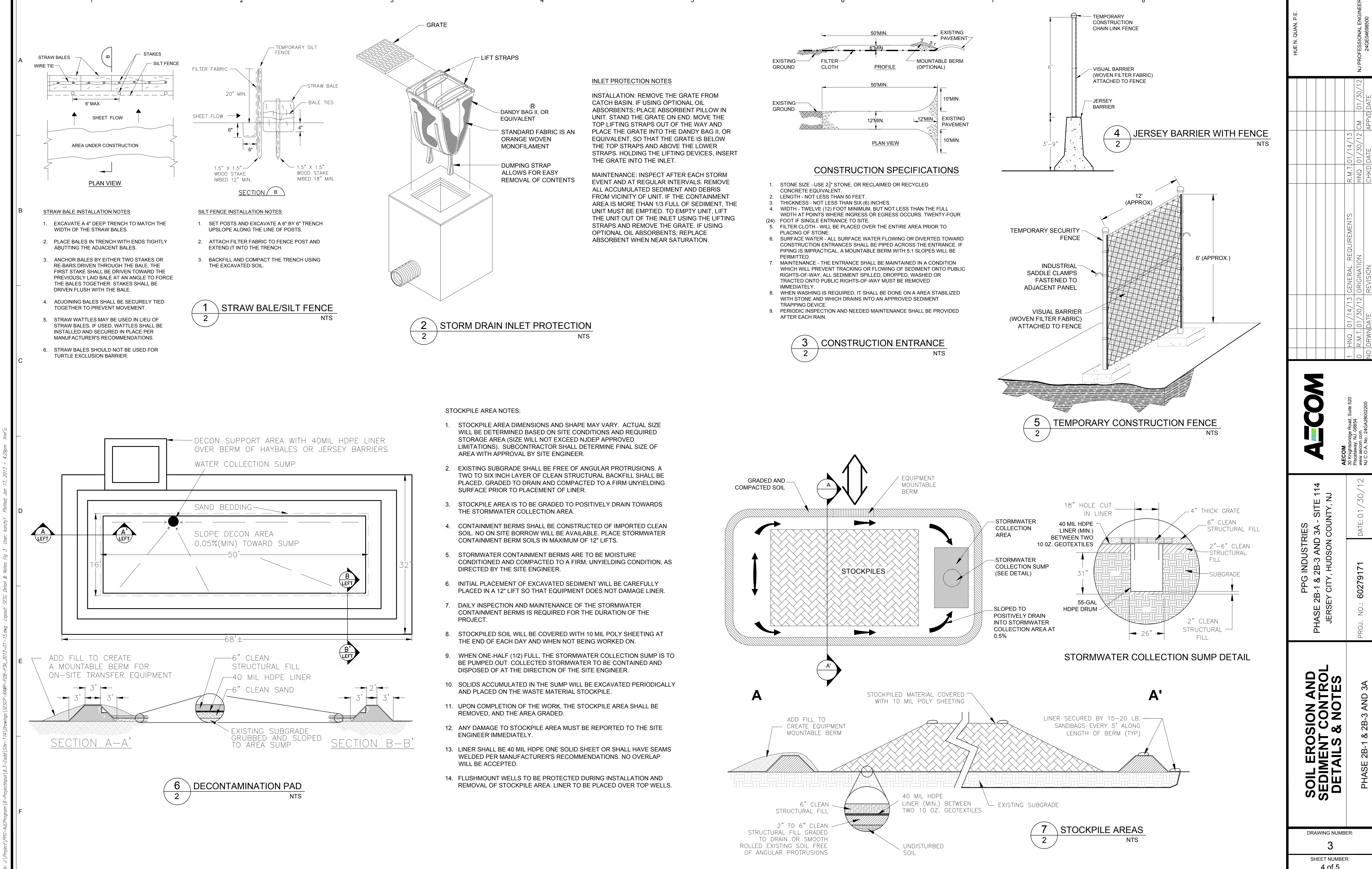
SHEET NUMBER:
3 of 5

REVISION 1

HUEN GUAN, P.E.

NJ PROFESSIONAL ENGINEER
 24546002200

30 0 60
 SCALE IN FEET



INLET PROTECTION NOTES

INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II, OR EQUIVALENT, SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE: INSPECT AFTER EACH STORM EVENT AND AT REGULAR INTERVALS. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT WHEN NEAR SATURATION.

- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50 FEET.
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

- STOCKPILE AREA NOTES:**
- STOCKPILE AREA DIMENSIONS AND SHAPE MAY VARY. ACTUAL SIZE WILL BE DETERMINED BASED ON SITE CONDITIONS AND REQUIRED STORAGE AREA (SIZE WILL NOT EXCEED NJDEP APPROVED LIMITATIONS). SUBCONTRACTOR SHALL DETERMINE FINAL SIZE OF AREA WITH APPROVAL BY SITE ENGINEER.
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 - ANY DAMAGE TO STOCKPILE AREA MUST BE REPORTED TO THE SITE ENGINEER IMMEDIATELY.
 - LINER SHALL BE 40 MIL HDPE ONE SOLID SHEET OR SHALL HAVE SEAMS WELDED PER MANUFACTURER'S RECOMMENDATIONS. NO OVERLAP WILL BE ACCEPTED.
 - FLUSHMOUNT WELLS TO BE PROTECTED DURING INSTALLATION AND REMOVAL OF STOCKPILE AREA. LINER TO BE PLACED OVER TOP WELLS.

HUIEN, GUAN, P.E.		NJ PROFESSIONAL ENGINEER 2466498500	
1	HNQ	01/14/13	GENERAL REQUIREMENTS
0	R.M.T.	01/30/12	CM
	NO	DRW/DATE	REVISION
			CHKD/DATE
			APPV/DATE
AECOM			
AECOM 1000 Corporate Center Princeton, NJ 08542 www.aecom.com NJ C.O.A. No.: 2464980200			
PPG INDUSTRIES		DATE: 01/30/12	
PHASE 2B-1 & 2B-3 AND 3A - SITE 114		PROJ. NO.: 60279171	
JERSEY CITY, HUDSON COUNTY, NJ		PHASE 2B-1 & 2B-3 AND 3A	
SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES			
DRAWING NUMBER:			
3			
SHEET NUMBER:			
4 of 5			
REVISION			
1			

**SESCP – Phase 2B-1, 2B-3, and Phase 3A
(Revisions on LOD)**



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org

June 12, 2014

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, NJ 15101

Re: **PPG Phase 2B-1,2B-3(Site 114) & Phase 3A(Sites 132,137,143): revised LOD**
880.824 & 846 Garfield Ave & 25 Halladay St, Jersey City, NJ
Block: 21501;21510 Lot: 16-20;2,4,1
Re-Review of Ch.251 ID# **213-H-3117**, Audit #214-H-0016, plan dated 5/08/14


Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan **remains certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified by mail 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

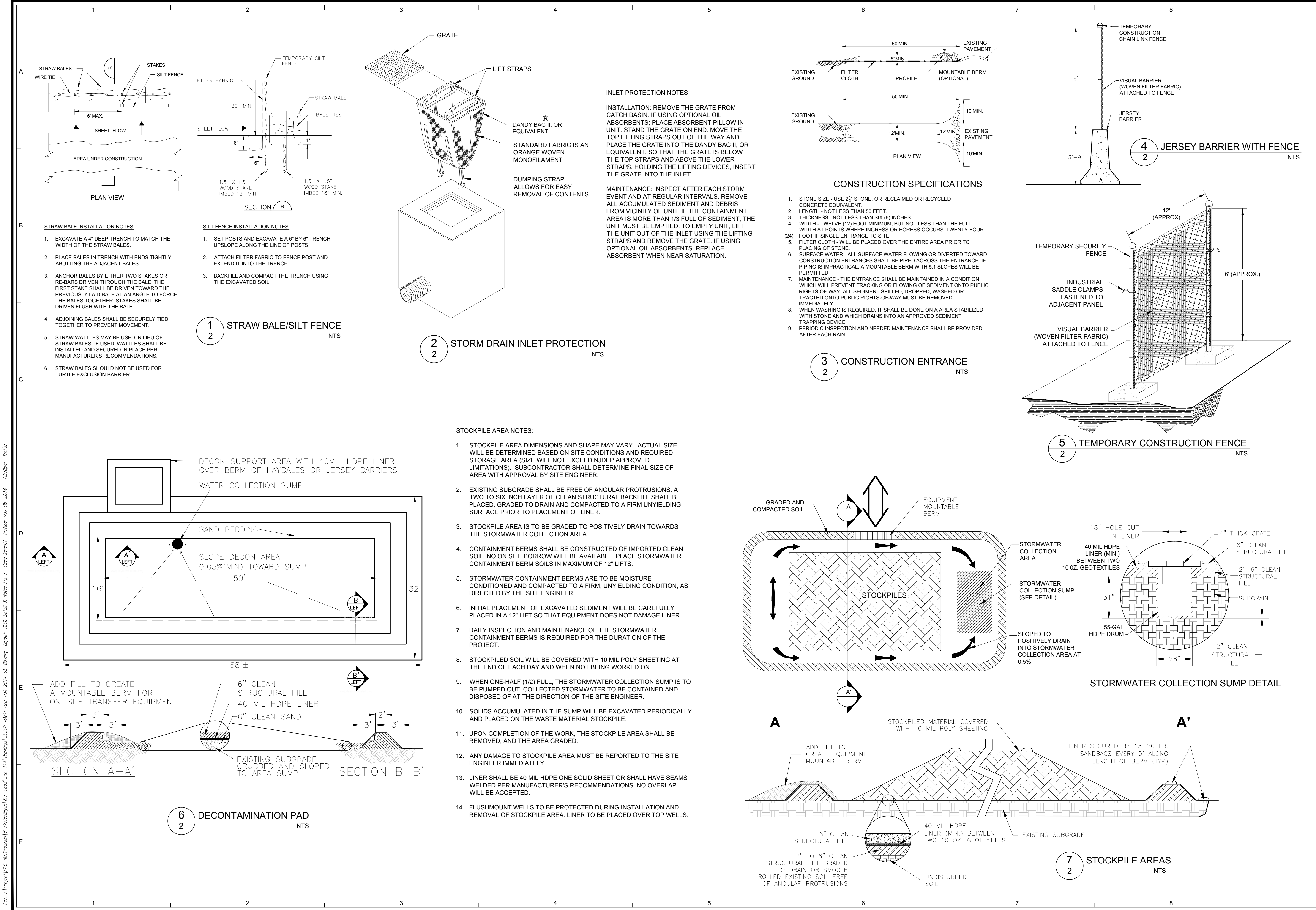
Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification remains valid through **August 5, 2016**, and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,


Carl Quazza
Chairman

Cc: Planner, Municipality, County

File: A:\Project\PPG-MUP\Program (6-Project)\Drawings\SCSDP-64MP-P2B-P2A-2014-05-08.dwg Layout: SCSD Detail & Notes Fig. 3 User: kerahy1 Plot: May 08, 2014 - 12:30pm PLOT 1



INLET PROTECTION NOTES

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<p>HUEN GUAN, P.E.</p> <p style="font-size: small;">NJ PROFESSIONAL ENGINEER 2466498500</p>	<p>REVISIONS TO FIGURES 2 & 3</p> <p>1 H.N.Q. 5/8/14 REVISIONS TO FIGURES 2 & 3 J.K.</p> <p>0 R.M.T. 01/30/12 CM ORIGINATOR R.M.T. 01/14/13 GENERAL REQUIREMENTS</p> <p>NO DRW/DATE</p>	<p>DATE: 01/30/12</p> <p>PROJ. NO.: 60279171</p>	<p>PPG INDUSTRIES</p> <p>PHASE 2B-1 & 2B-3 AND 3A - SITE 114</p> <p>JERSEY CITY, HUDSON COUNTY, NJ</p>
<p>SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES</p>			
<p>DRAWING NUMBER: 3</p>			
<p>SHEET NUMBER: 4 of 5</p>			
<p>REVISION 1</p>			

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STANDARD FOR DEWATERING

DEFINITION: THE REMOVAL AND DISCHARGE OF SEDIMENT-LADEN WATER FROM AN EXCAVATED AREA, CONSTRUCTION SITE OR SEDIMENT BASIN.
PURPOSE: TO PROPERLY REMOVE SUSPENDED SEDIMENTS AND WATER FROM EXCAVATED AREAS THROUGH FILTRATION AND/OR SETTLEMENT PRIOR TO DISCHARGING WATER TO A RECEIVING WATER COURSE OR BODY.
WHERE APPLICABLE: DURING CONSTRUCTION, EXCAVATED FACILITIES NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAIN SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER. THIS STANDARD DOES NOT ADDRESS THE REMOVAL OF GROUND WATER THROUGH WELL POINTS, ETC. THIS STANDARD DESCRIBES THE FOLLOWING PRACTICES FOR THE REMOVAL OF SEDIMENT LADEN WATERS FROM EXCAVATION AREAS: REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND SILT.
WATER QUALITY ENHANCEMENT: WATER DISCHARGED FROM EXCAVATED AREAS ON CONSTRUCTION SITES MAY BE A SIGNIFICANT CONTRIBUTOR OF SEDIMENT TO SURFACE WATERS DURING CONSTRUCTION. WATER MUST BE REMOVED AND DISPOSED OF IN ORDER FOR CONSTRUCTION TO MOVE FORWARD. TYPICALLY, WATER IS PUMPED OR CONTAINMENT BERMS ARE BREACHED AND SEDIMENT LADEN WATERS ARE PERMITTED TO FLOW UNCONTROLLED INTO SURFACE WATERS SUCH AS STREAMS OR LAKES. BY EMPLOYING PRACTICES DESCRIBED IN THIS STANDARD, THE MAJORITY OF SEDIMENT SUSPENDED IN WATERS MAY EASILY BE REMOVED PRIOR TO LEAVING THE SITE. FILTERS AND MATERIALS DESCRIBED HEREIN ARE READILY AVAILABLE AND ARE EASY TO INSTALL AND MAINTAIN.

DESIGN CRITERIA:

1. **SEDIMENT TANKS/SILT CONTROL BAGS** ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SEDIMENT TANK OR A SILT CONTROL BAG IS TO BE USED ON SITES WHERE EXCAVATIONS ARE DEEP, AND SPACE IS LIMITED AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAMS AND STORM DRAINAGE SYSTEMS IS TO BE AVOIDED.

CONSTRUCTION SPECIFICATIONS:

- A. **LOCATION** - CONTAINERS (TANKS OR BAGS) SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
- B. **TANK SIZE** - THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY. A TYPICAL TANK CONFIGURATION IS SHOWN ON THE "PORTABLE SEDIMENT TANK" DETAIL. TANKS MAY BE CONNECTED IN SERIES TO INCREASE EFFECTIVENESS.
- C. **TANKS** CONSIST OF TWO CONCENTRIC CIRCULAR PIPES (CMP), ATTACHED TO A WATERTIGHT BASEPLATE. THE INNER CMP IS PERFORATED WITH 1" HOLES ON 6" CENTERS AND IS WRAPPED WITH GEOTEXTILE AND HARDWARE CLOTH. PUMPED WATER IS DISCHARGED INTO THE INNER CMP WHERE IT FLOWS THROUGH THE GEOTEXTILE INTO THE SPACE BETWEEN THE TWO CMP'S. A DISCHARGE LINE IS ATTACHED TO THE OUTER CMP AND DRAWS FILTERED WATER FROM THE ANNULUS BETWEEN THE TWO CONCENTRIC CMP'S. THE DISCHARGE LINE MAY BE CONNECTED TO ANOTHER TANK WHERE IT DRAINS TO THE INNER CMP OF THE SECOND TANK. THIS SERIES CONNECTION MAY BE CONTINUED INDEFINITELY.
- D. **SEDIMENT CONTROL BAGS** MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. SEE "SEDIMENT CONTROL BAG FOR DEWATERING" DETAIL.

PROPOSED PHASE 2B-1 & 2B-3 AND 3A CONSTRUCTION SCHEDULE AND SEQUENCE:

- 1. 2 DAYS INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SURROUNDING DISTURBANCE AREA. INSTALL INLET PROTECTION AROUND CATCHBASINS WITHIN AND NEAR DISTURBANCE AREA WHERE NECESSARY.
- 2. 21 DAYS RELOCATE AS NEEDED/CONSTRUCT THE STOCKPILE STAGING/DEWATERING AREAS FOR SOIL.
- 3. 60 DAYS BUILDING DEMOLITION TO GRADE ON SITE 132, SITE 137 AND SITE 143. SLAB TO REMAIN IN PLACE. DISPOSE OF OR RECYCLE DEBRIS AS APPROPRIATE.
- 4. 360 DAYS BREAK UP SURFACE SLABS AND EXCAVATE SOILS.
- 5. THROUGHOUT EXCAVATION DEWATERING. WATERS SHALL BE STORED ON-SITE. TREATED WATER SHALL BE COLLECTED AND DISPOSED OF OFF-SITE.
- 6. THROUGHOUT CHARACTERIZE SOIL FOR DISPOSAL OR LOAD SOIL ONTO TRUCKS FOR DISPOSAL OFF-SITE.
- 7. THROUGHOUT GRADE AND COMPACT EXISTING SUBBASE TO RECEIVE FILL.
- 8. THROUGHOUT PLACE 5-35 FEET OF CLEAN FILL INTO BOTTOMS OF EXCAVATIONS WITHIN PROJECT AREA
- 9. THROUGHOUT GRADE AND RESTORE WITH IMPORTED FILL AND LINER SYSTEM.
- 10. 10 DAYS REMOVE STAGING/DEWATERING PADS. RESTORE AREA TO PRE-EXISTING CONDITIONS.
- 11. 1 DAY REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- * ROADWAYS WILL BE INSPECTED DAILY AND SWEEPED AS NEEDED TO PREVENT SOIL TRACKING AND ACCUMULATION.
- ** THE LOCATIONS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE FIELD ADJUSTED TO IMPROVE HEALTH AND SAFETY/TRAFFIC ON SITE. ANY SUBSTITUTIONS WILL BE MADE UNDER THE APPROVAL OF THE FIELD ENGINEER AND WILL BE AS EQUALLY PROTECTIVE AS ORIGINALLY PROPOSED CONTROL MEASURE.

STANDARD FOR DUST CONTROL

DEFINITION: THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.
PURPOSE: TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCED ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
WHERE APPLICABLE: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.
WATER QUALITY ENHANCEMENT: SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED. USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.
PLANNING CRITERIA: SPRINKLING - SITE AND EXCAVATION SOILS ARE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN WILL BE CONSTRUCTED IN ACCORDANCE WITH THE " NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL " LAST REVISED JULY 1999. THESE MEASURES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 2. ALL SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 60 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, WILL BE TEMPORARILY SEEDED AND HAY MULCHED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
- 3. **SEEDING DATES:** THE FOLLOWING SEEDING DATES ARE BEST RECOMMENDED TO ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HEPSCD: SPRING - 3/1-5/15 AND FALL - 8/15-10/1.
- 4. **SEDIMENT FENCES** ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.
- 5. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY ONE OF THE PRACTICES ACCEPTED IN THE STANDARDS AND REMAIN UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STORM DRAINAGE OUTLET POINTS SHALL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
- 6. **MULCH MATERIALS** SHALL BE UN-ROTTED SALT HAY OR SMALL GRAIN STRAW APPLIED AT THE RATE OF 70-90 POUNDS PER 1000 SQUARE FEET (1.5-2.0 TONS/ACRE). ADDITIONAL REQUIRED MULCH PRACTICES ARE PRESCRIBED IN THE STANDARDS.
- 7. ALL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
- 8. THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT WILL BE NOTIFIED IN WRITING AT LEAST 48 HOURS PRIOR TO ANY SOIL DISTURBING ACTIVITIES. FAX - (973) 364-0784 EMAIL - INFORMATION@HEPSCD.ORG
- 9. THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT-OF-COMPLIANCE PRIOR TO APPLYING FOR THE CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY FROM THE RESPECTIVE MUNICIPALITY, NJ-DCA OR ANY OTHER CONTROLLING AGENCY. CONTACT THE DISTRICT AND GIVE ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE DEPOSIT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR HYDRO-SEED.
- 10. **PAVED ROADWAYS** MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. ALL PUMP DEWATERING OPERATIONS SHALL BE DIRECTED TOWARD A FUNCTIONING SEDIMENT BASIN.
- 11. ALL SURFACES ARE TO BE PROVIDED WITH 6 INCHES OF TOPSOIL PRIOR TO RE-SEEDING.
- 12. ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW AND APPROVAL.
- 13. A CRUSHED STONE WHEEL CLEANING TRACKING-PAD IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2" CRUSHED STONE TO A MINIMUM LENGTH OF 50 FEET. ALL DRIVEWAYS MUST BE PROVIDED WITH CRUSHED STONE UNTIL PAVING IS COMPLETE.
- 14. MAXIMUM SOIL SLOPES SHALL NOT EXCEED 2:1 UNLESS ADDITIONAL MEASURES ARE TAKEN AND APPROVED BY THE SOIL CONSERVATION DISTRICT. THESE "SPECIAL" MEASURES SHALL BE DESIGNED BY THE APPLICANT'S ENGINEER.
- 15. THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION

GENERAL REQUIREMENTS

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN.
- 2. SUBMIT WRITTEN NOTIFICATION TO THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION OF ANY SOIL EROSION AND SEDIMENT CONTROL FACILITY.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO INSURE PROPER FUNCTIONING OF SAID FACILITIES DURING CONSTRUCTION.
- 4. AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR INSURING THAT ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PROPER WORKING CONDITION AND THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
- 5. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES ON THE PROJECT SITE SHALL BE THE RESPONSIBILITY OF THE OWNER WHEN THE PROJECT IS 100 PERCENT COMPLETE.
- 6. THE DEMOLITION PROCESS MUST BE UNDERTAKEN IN SUCH A MANNER TO MINIMIZE DUST EMISSION FROM THE SITE. WHERE THE DEMOTION IS LIKELY TO CAUSE DUST EMISSION, PERIMETER FENCING AND SHADE CLOTH IS TO BE USED TOGETHER WITH CONTINUOUS WATER SPRAY OR WETTING DOWN DURING THE DEMOLITION PROCESS. ALL AREAS SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
- 7. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL INCLUDE THE ABOVE MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT ANY OMISSIONS, ERRORS OR SUBSEQUENT FIELD OPERATIONS WHICH MIGHT DEVIATE FROM THE INTENT OF THIS LAW. THE CONTRACTOR SHALL CORRECT SAID OMISSIONS, ERRORS, OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR EROSION AND SEDIMENT CONTROL.
- 8. THE CONTRACTOR SHALL KEEP THE STREET CLEAR OF DIRT AND BE RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- 9. THE CONTRACTOR SHALL KEEP A COPY OF THE CERTIFIED PLAN ON SITE DURING CONSTRUCTION AND SHALL AGREE TO ALLOW DISTRICT AGENTS TO GO ONTO THE PROJECT SITE FOR INSPECTION.
- 10. THE CONTRACTOR SHALL NOTIFY THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT UPON COMPLETION OF THE PROJECT.
- 11. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH ALL UTILITY COMPANIES.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROPER AND SUFFICIENT CONSTRUCTION PROTECTION TO THE WORKERS AND THE PUBLIC. OSHA AND ALL MUNICIPAL CODES SHALL BE FOLLOWED.
- 14. QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY TO CONSTRUCT THE PROJECT COMPLETE.
- 15. ALL WORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE LOCAL AND STATE (NEW JERSEY UNIFORM CONSTRUCTION CODE) CONSTRUCTION CODES, LATEST EDITION, AND SPECIFICATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS.



AECOM
100 South Orange Road, Suite 520
Pasadena, NJ 07654
www.aecom.com
NJ C.O.A. No.: 24G4900200

PPG INDUSTRIES
PHASE 2B-1 & 2B-3 AND 3A - SITE 114
JERSEY CITY, HUDSON COUNTY, NJ

PROJ. NO.: 60279171 DATE: 01/30/12

SOIL EROSION AND
SEDIMENT CONTROL
DETAILS & NOTES

PHASE 2B-1 & 2B-3 AND 3A

DRAWING NUMBER:

4

SHEET NUMBER:

5 of 5

REVISION 1

HUEN GUAN, P.E.

NJ PROFESSIONAL ENGINEER
24G6498900

NO.	DRWN/DATE	REVISION	CHKD/DATE	APPV/DATE
2	H.N.Q. 5/8/14	REVISIONS TO FIGURES 2 & 3	JK	
1	H.N.Q. 1/14/13	GENERAL COMMENTS	R.M.T. 1/14/13	
0	R.M.T. 01/30/12	ORIGINATOR	H.N.Q. 01/30/12	CM
				01/30/12

Report of Compliance



**Hudson, Essex & Passaic Soil
Conservation District**
80 Orchard Street
Bloomfield, NJ 07003-5104
(862) 333-4505
Fax (862) 333-4507
www.hepsoilnj.org



State Soil Conservation
Committee

REPORT OF COMPLIANCE

This certifies that the Soil Erosion and Sediment Control measures to the extent indicated comply with the Soil Erosion and Sediment Control Plans as certified by the Soil Conservation District pursuant to Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (N.J.S.A. 4:24-39 et seq.)

Municipality: Jersey City

Project Name: PPG Phase 2B-1 + 2B-3 (Site 114) + Phase 3A (Sites 132, 137, 143)

SCD Application No: 213-H-2117

Block(s): 21501 Lot(s): 16-20 Street Address: 880, 824, 846 Garfield

Block(s): 21510 Lot(s): 2, 1, 4 Street Address: 25 Halladay

CONDITIONAL COMPLIANCE* (CRC)

REPORT OF COMPLIANCE - NO CONDITIONS (ROC)

Date: 7/6/16 Signature of District Official: [Signature]

***CONDITIONS:**

1. Establishment of permanent stabilization of all disturbed areas in accordance with the certified soil erosion and sediment control plan.

Conditions above must be satisfied no later than

FINAL REPORT OF COMPLIANCE

(invalid if checked in addition to the CRC and/or ROC boxes unless authorized by district official)

Date: 7/6/16 Signature of District Official: [Signature]

Distribution:
Municipal Construction Office, Developer/Owner, District, Other

SESCP – Phase 2B-2, 2B-4, and Phase 3B



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org
www.hepsoilnj.org

December 4, 2013

Mr. Brian G. McGuire
PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101

Re: **PPG Phases 2B-2 & 2B-4(Site 114), and 3B (Sites 133W & 137A)**
880 Garfield Ave + 15 & 45 Halladay St, Jersey City, NJ
Block: 21501;21510 Lot: 16,17,19;3,5
HEPSCD 251 ID Code #213-H-3250, plan dated 11/19/13

Dear Sir/Madam:

The District has completed the review of the soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified in writing 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) & obtain a Report of Compliance prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification is valid for 3-1/2 years from the date of this letter and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

A handwritten signature in black ink, appearing to read "Carl Quazza".

Carl Quazza
Chairman

Cc: Planner, Municipality, County



For District Use Only

Application Number	213-H-3250
Certified:	12/4/13
563 not applicable:	pump & treat

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

Name of Project PPG Phases 2B-2 & 2B-4 (Site 114) and 3B (Sites 133W & 137A)		Project Location: Municipality Jersey City, Hudson County	
Project Street Address 880 Garfield Ave, 15 and 45 Halladay St		Block 21501: 21510	Lot 16, 17 & 19; 3 & 5 respectively
Project Owner(s) Name PPG Industries, Inc.		Phone 412-492-6683 5512 Fax # 412-492-5484 5377	
Project Owner(s) Street Address (No P.O. Box Numbers) 4325 Rosanna Drive		City Allison Park	State PA Zip 15101
Total Area of Project (Acres) 5.5	Total Area or Land to be Disturbed (Acres) 5.5	No. Dwelling or other Units N/A	Fee \$ 2025.00
Plans Prepared by* AECOM <i>Attn: Hue Quan</i>		Phone # 732-564-3631 Fax # 732-369-0122	
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854

(Engineering related items of the Soil Erosion and Sediment Control Plan MUST be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 ET, seq.)

Agent Responsible During Construction AECOM	
Street Address 30 Knightsbridge Road, Suite 520	
City Piscataway	State NJ Zip 08854
Phone 732-564-3631	Fax # 732-369-0122

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency.

1. Applicant Certification* <i>Brian McGuire</i> Signature Brian G. McGuire Applicant Name (Print) Date 11/15/13	3. Plan determined complete: <i>[Signature]</i> Signature of District Official Date 12/4/13
2. Receipt of fee, plan and supporting documents is hereby acknowledged: <i>[Signature]</i> Signature of District Official Date 11/25/13	4. Plan certified, denied or other actions noted above. Special Remarks: <i>[Signature]</i> Signature of District Official Date 12/4/13

*If other than project owner, written authorization of owner must be attached.

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE REQUIRED 48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN

This project ~~requires~~ does not require the NJDEP 5G3 (RFA) permit prior to groundbreaking. Stormwater to be contained & treated prior to discharge to combined sewer.
PROJECT NAME: PPG PHASE 2B-2,2B-4 & 3B

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 213-H-3250

880 Garfield Ave;

PROJECT LOCATION: STREET ADDRESS: 15 & 45 Halladay St

MUNICIPALITY: Jersey City

PROJECT OWNER/APPLICANTS NAME: PPG Industries, Inc/
Brian G. McGuire

ADDRESS: 4325 Rosanna Dr, Allison Park, PA 15101

PHONE #: 412-492-5512 **FAX:** 412-492-5377

E-MAIL: _____ **CELL#** _____


ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME: Jim Blaney/ WCD

ADDRESS: 880, 824 Garfield Avenue

PHONE #: 609-613-2004 **FAX** _____

EMAIL : jblaney@wcdgroup.com **CELL#** 609-613-2004

PROJECT START DATE : December 11, 2013 

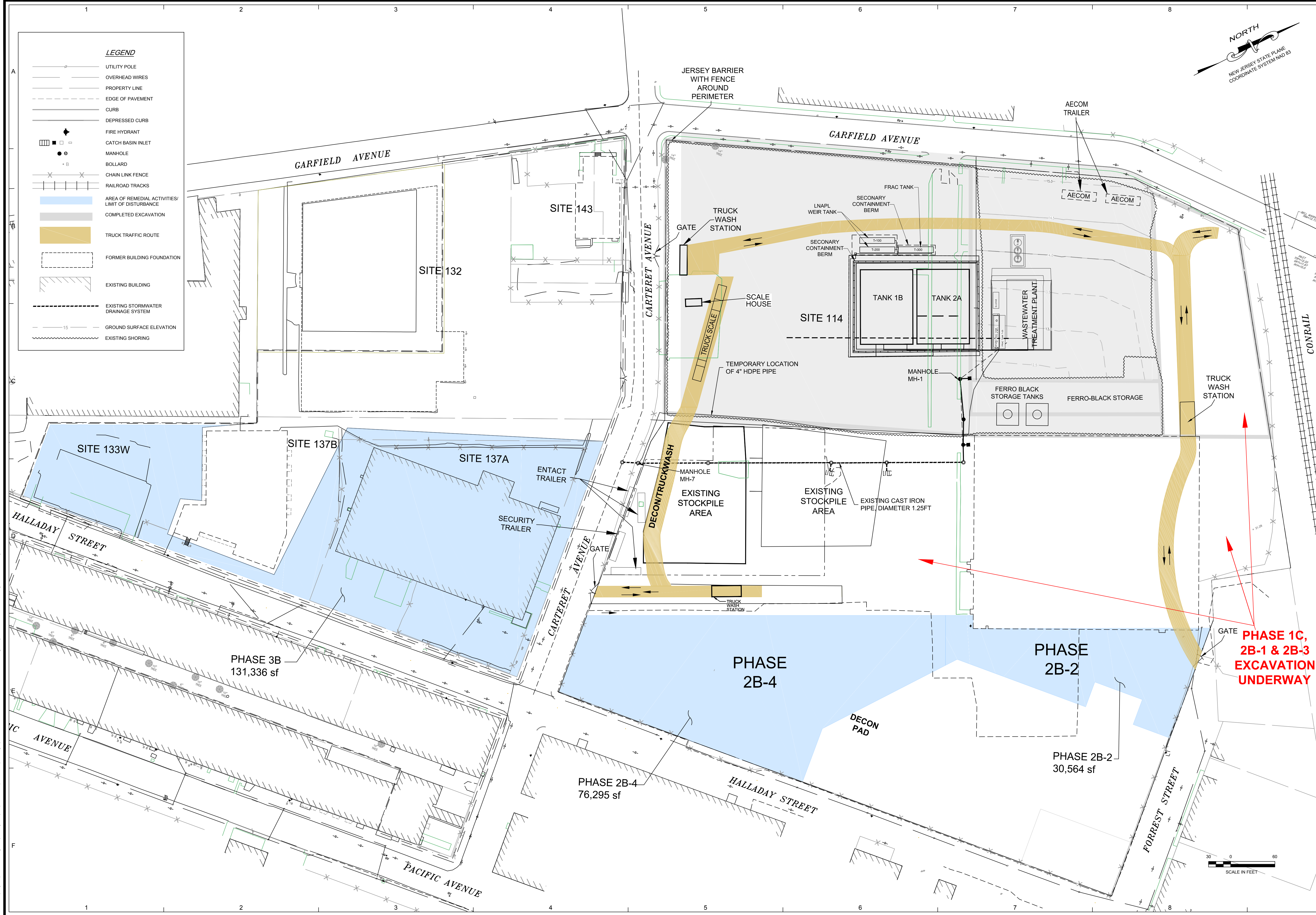
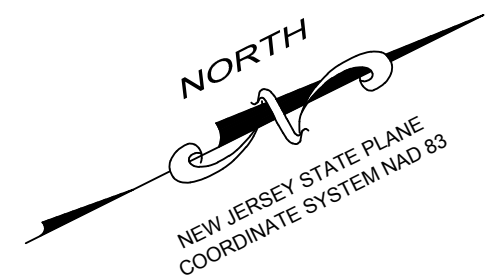
(including DEMOLITION, CLEARING, LAND GRADING) This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L 1975, and may result in additional fees.

**MAIL THIS NOTICE TO: HUDSON-ESSEX-PASSAIC SCD
15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006**

Or send via **FAX: (973)364-0784** or **EMAIL: information@hepscd.org**

File: A:\Project\PPG-MC\Program (E-Project)\6.3-Cad\Site-114\Drawings\SCSD-PPG-20B-B2-B2_2013-11-14.dwg Layout: Exist. Cond. Plan Top User: kanyilj Plot Date: Nov 22, 2013 - 8:10am Xref(s):

LEGEND	
	UTILITY POLE
	OVERHEAD WIRES
	PROPERTY LINE
	EDGE OF PAVEMENT
	CURB
	DEPRESSED CURB
	FIRE HYDRANT
	CATCH BASIN INLET
	MANHOLE
	BOLLARD
	CHAIN LINK FENCE
	RAILROAD TRACKS
	AREA OF REMEDIAL ACTIVITIES/ LIMIT OF DISTURBANCE
	COMPLETED EXCAVATION
	TRUCK TRAFFIC ROUTE
	FORMER BUILDING FOUNDATION
	EXISTING BUILDING
	EXISTING STORMWATER DRAINAGE SYSTEM
	GROUND SURFACE ELEVATION
	EXISTING SHORING

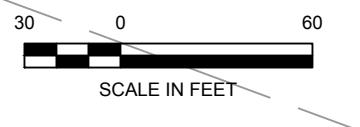


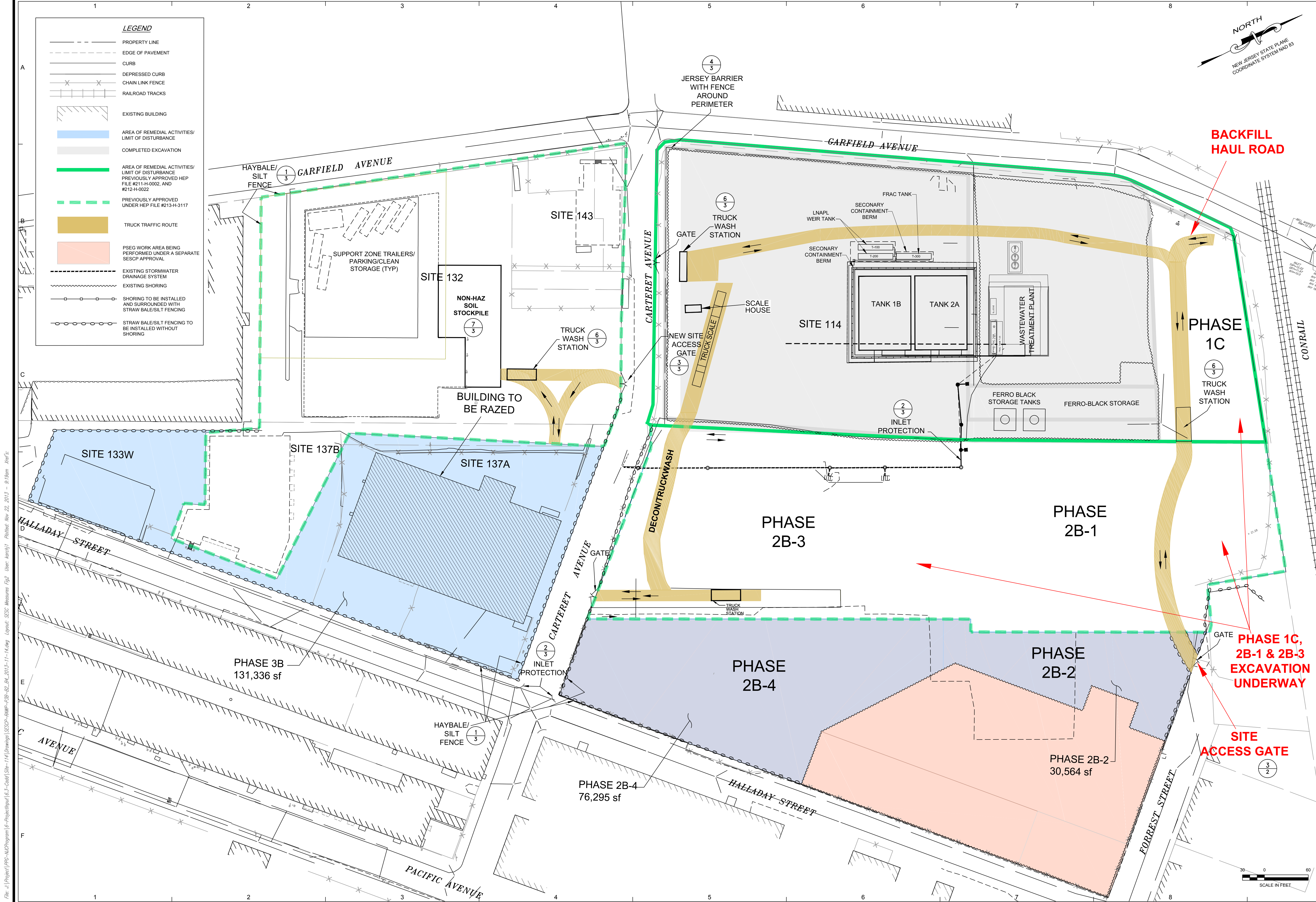
PPG INDUSTRIES PHASE 2B-2 & 2B-4 AND 3B SITE 114, 133W AND 137 JERSEY CITY, HUDSON COUNTY, NJ	
PROJ. NO.: 60279171	DATE: 11/19/13
EXISTING CONDITIONS PLAN	
PHASE 2B-2 & 2B-4 AND 3B	
DRAWING NUMBER: 1	
SHEET NUMBER: 2 of 5	
REVISION: 1	

NO.	DATE	REVISION	APP'D DATE

AECOM
 1000 Independence Plaza, Suite 500
 Piscataway, NJ 08854
 www.aecom.com
 NJ C.O.A. No.: 24549002000

HUIEN, JUAN, P.E.
 NJ PROFESSIONAL ENGINEER
 24549002000





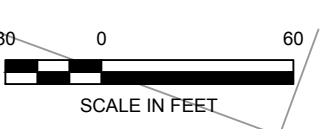
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NORTH NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83																	
<p>HUE N. QUAN, P.E. NJ PROFESSIONAL ENGINEER 246048850</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">REVISION</th> <th style="width: 10%;">APPROVED</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION	APPROVED												
NO.	DATE	REVISION	APPROVED														
<p> <small> AECOM 1000 Morris Avenue, Suite 520 Elizabeth, NJ 07208 www.aecom.com NJ C.O.C. No.: 246048850 </small> </p>																	
<p> PPG INDUSTRIES PHASE 2B-2 & 2B-4 AND 3B SITE 114, 133W, AND 137 JERSEY CITY, HUDSON COUNTY, NJ </p>																	
<p> SOIL EROSION AND SEDIMENT CONTROL MEASURES </p>																	
<p> PROJ. NO.: 60279171 DATE: 11/19/13 PHASE 2B-2 & 2B-4 AND 3B </p>																	
<p> DRAWING NUMBER: 2 </p>																	
<p> SHEET NUMBER: 3 of 5 </p>																	
<p> REVISION 1 </p>																	

BACKFILL HAUL ROAD

PHASE 1C, 2B-1 & 2B-3 EXCAVATION UNDERWAY

SITE ACCESS GATE



**SESCP – Phases 2B-2, 2B-4, and 3B
(Revisions on LOD)**

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT



80 ORCHARD STREET
BLOOMFIELD, NJ 07003-5104
Telephone: (862) 333-4505
Fax: (862) 333-4507
www.hepsoilnj.org

June 16, 2016

Ms. Jody Overmyer, PE
PPG
440 College Park Drive
Monroeville, PA 15146

Re: **PPG Phases 2B-2 & 2B-4(Site 114),3B(Site 133W): revised to include LOD of Site 137**
880 Garfield Ave + 15, 25, & 45 Halladay St, Jersey City, NJ
Block: 21501; 21510 Lot: 16, 17 & 19; 3 & 5
Re-Review of Ch.251 ID# 213-H-3250, Audit #216-H-0026, SESC plan dated 5/17/16

Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan **is recertified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified by mail 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification remains valid through June 4, 2017, and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,


Matthew J. Ward
Chairman

Cc: Planner, Municipality, County



For District Use Only

213-H-3250/216-H-0026 Amendments
Certified: 6/16/16

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

Name of Project PPG Phase 2B-2&2B-4(Site114) and 3B(Sites133W and 137)		Project Location: Municipality Jersey City, Hudson County	
Project Street Address 880 Garfield Ave., 15, 25, and 45 Halladay St.		Block 21501; 21510	Lot 16,17&19; 3&5 respectively
Project Owner(s) Name PPG		Email Jody Overmyer Overmyer@ppg.com	Phone # 724-325-5070 Fax #
Project Owner(s) Street Address (No P.O. Box Numbers) 440 College Park Drive		City Monroeville	State PA Zip 15146
Total Area of Project (Acres) 6.2	Total Area or Land to be Disturbed (Acres) 0.7 additional	No. Dwelling or other Units N/A - Cat. D	Fee \$ 375.00 <i>resubmission + insp fees</i>
Plans Prepared by* Hue N. Quan, P.E. / AECOM			Phone # 732-564-3631 Fax # 732-369-0122
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854

*(Engineering related items of the Soil Erosion and Sediment Control Plan MUST be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

Agent Responsible During Construction AECOM		Email Hue.Quan@aecom.com	
Street Address 30 Knightsbridge Road, Suite 520			
City Piscataway	State NJ	Zip 08854	Phone 732-564-3631 Fax # 732-369-0122

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency. It is further understood that all documents, site plans, design reports etc. submitted to the district shall be made available to the public (upon request) pursuant to the Open Public Records Act, N.J.S.A. 47:1A-1 et seq.

1. Applicant Certification* Signature: <u>Jody Overmyer</u> Date: <u>5/16/16</u> Applicant Name (Print) Jody Overmyer	3. Plan determined complete: Signature of District Official: _____ Date: _____
2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official: <u>[Signature]</u> Date: <u>5/24/16</u>	4. Plan certified, denied or other actions noted above. Special Remarks: Signature of District Official: <u>Matthew J. Wood</u> Date: <u>6/16/16</u>

*If other than project owner, written authorization of owner must be attached.

SSCC251 AP10 1/2014

File: J:\Project\PPG-MC\Program 6-Project\PPG(6.3-Cad)\Site-114\Drawings\SECDP-BMP-2B-42_B4_2016-05-05.dwg Layout: SECD- Detail & Notes Fig 4 User: karey17 Plotted: May 05, 2016 - 11:46am In: s:

STANDARD FOR DEWATERING

DEFINITION: THE REMOVAL AND DISCHARGE OF SEDIMENT-LADEN WATER FROM AN EXCAVATED AREA, CONSTRUCTION SITE OR SEDIMENT BASIN.
PURPOSE: TO PROPERLY REMOVE SUSPENDED SEDIMENTS AND WATER FROM EXCAVATED AREAS THROUGH FILTRATION AND/OR SETTLEMENT PRIOR TO DISCHARGING WATER TO A RECEIVING WATER COURSE OR BODY.
WHERE APPLICABLE: DURING CONSTRUCTION, EXCAVATED FACILITIES NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER. THIS STANDARD DOES NOT ADDRESS THE REMOVAL OF GROUND WATER THROUGH WELL POINTS, ETC. THIS STANDARD DESCRIBES THE FOLLOWING PRACTICES FOR THE REMOVAL OF SEDIMENT LADEN WATERS FROM EXCAVATION AREAS: REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND SILT.
WATER QUALITY ENHANCEMENT: WATER DISCHARGED FROM EXCAVATED AREAS ON CONSTRUCTION SITES MAY BE A SIGNIFICANT CONTRIBUTOR OF SEDIMENT TO SURFACE WATERS DURING CONSTRUCTION. WATER MUST BE REMOVED AND DISPOSED OF IN ORDER FOR CONSTRUCTION TO MOVE FORWARD. TYPICALLY, WATER IS PUMPED OR CONTAINMENT BERMS ARE BREACHED AND SEDIMENT LADEN WATERS ARE PERMITTED TO FLOW UNCONTROLLED INTO SURFACE WATERS SUCH AS STREAMS OR LAKES. BY EMPLOYING PRACTICES DESCRIBED IN THIS STANDARD, THE MAJORITY OF SEDIMENT SUSPENDED IN WATERS MAY EASILY BE REMOVED PRIOR TO LEAVING THE SITE. FILTERS AND MATERIALS DESCRIBED HEREIN ARE READILY AVAILABLE AND ARE EASY TO INSTALL AND MAINTAIN.

DESIGN CRITERIA:

SEDIMENT TANKS/SILT CONTROL BAGS ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SEDIMENT TANK OR A SILT CONTROL BAG IS TO BE USED ON SITES WHERE EXCAVATIONS ARE DEEP, AND SPACE IS LIMITED, AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAMS AND STORM DRAINAGE SYSTEMS IS TO BE AVOIDED.

CONSTRUCTION SPECIFICATIONS:

- A. LOCATION - CONTAINERS (TANKS OR BAGS) SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
- B. TANK SIZE - THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY. A TYPICAL TANK CONFIGURATION IS SHOWN ON THE "PORTABLE SEDIMENT TANK" DETAIL. TANKS MAY BE CONNECTED IN SERIES TO INCREASE EFFECTIVENESS.
- C. TANKS CONSIST OF TWO CONCENTRIC CIRCULAR PIPES (CMP), ATTACHED TO A WATERTIGHT BASEPLATE. THE INNER CMP IS PERFORATED WITH 1" HOLES ON 6" CENTERS AND IS WRAPPED WITH GEOTEXTILE AND HARDWARE CLOTH. PUMPED WATER IS DISCHARGED INTO THE INNER CMP WHERE IT FLOWS THROUGH THE GEOTEXTILE INTO THE SPACE BETWEEN THE TWO CMPs. A DISCHARGE LINE IS ATTACHED TO THE OUTER CMP AND DRAWS FILTERED WATER FROM THE ANNULUS BETWEEN THE TWO CONCENTRIC CMPs. THE DISCHARGE LINE MAY BE CONNECTED TO ANOTHER TANK WHERE IT DRAINS TO THE INNER CMP OF THE SECOND TANK. THIS SERIES CONNECTION MAY BE CONTINUED INDEFINITELY.
- D. SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. SEE "SEDIMENT CONTROL BAG FOR DEWATERING" DETAIL.

PROPOSED PHASE 3B SOUTH (PORTION OF SITE 137) CONSTRUCTION SCHEDULE AND SEQUENCE:
EXCAVATION ACTIVITIES IN PHASES 2B-2 & 2B-4 (ON SITE 114) AND PHASE 3B NORTH (NORTHERN PORTION SITE 137) WERE COMPLETED AND THE AREA IS CURRENTLY STABILIZED.

- 1. 1 DAY INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SURROUNDING DISTURBANCE AREA. INSTALL INLET PROTECTION AROUND CATCHBASINS WITHIN AND NEAR DISTURBANCE AREA WHERE NECESSARY.
- 2. 2 DAYS RELOCATE AS NEEDED/CONSTRUCT THE STOCKPILE STAGING/DEWATERING AREAS FOR SOIL.
- 3. THROUGHOUT EXCAVATION DEWATERING. WATERS SHALL BE COLLECTED AND TREATED AT ON-SITE (SITE 114) GROUNDWATER TREATMENT SYSTEM AND DISCHARGED TO PUBLICLY OWNED TREATMENT WORKS.
- 4. THROUGHOUT CHARACTERIZE SOIL FOR DISPOSAL OR LOAD SOIL INTO TRUCKS FOR DISPOSAL OFF-SITE.
- 5. THROUGHOUT GRADE AND COMPACT EXISTING SUBBASE TO RECEIVE FILL.
- 6. THROUGHOUT PLACE 7-20 FEET OF CLEAN FILL INTO BOTTOMS OF EXCAVATIONS WITHIN PROJECT AREA.
- 7. THROUGHOUT GRADE AND RESTORE WITH IMPORTED FILL AND LINER SYSTEM.
- 8. 5 DAYS REMOVE STAGING/DEWATERING PADS. RESTORE AREA TO PRE-EXISTING CONDITIONS.
- 9. 1 DAY REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- * ROADWAYS WILL BE INSPECTED DAILY AND SWEEPED AS NEEDED TO PREVENT SOIL TRACKING AND ACCUMULATION.
- ** THE LOCATIONS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE FIELD ADJUSTED TO IMPROVE HEALTH AND SAFETY/TRAFFIC ON SITE. ANY SUBSTITUTIONS WILL BE MADE UNDER THE APPROVAL OF THE FIELD ENGINEER AND WILL BE AS EQUALLY PROTECTIVE AS THE ORIGINALLY PROPOSED CONTROL MEASURE.

STANDARD FOR DUST CONTROL

DEFINITION: THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.
PURPOSE: TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
WHERE APPLICABLE: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND/OR OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.
WATER QUALITY ENHANCEMENT: SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED. USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.
PLANNING CRITERIA: SPRINKLING - SITE AND EXCAVATION SOILS ARE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN WILL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" 7TH EDITION LAST REVISED JANUARY 2014. THESE MEASURES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 2. ALL SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, WILL BE TEMPORARILY SEEDED AND HAY MULCHED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
- 3. SEEDING DATES: THE FOLLOWING SEEDING DATES ARE RECOMMENDED TO BEST ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HEPCSD: SPRING - 3/1-5/15 AND FALL - 8/15 - 10/1
- 4. SEDIMENT FENCES ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED
- 5. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY ONE OF THE PRACTICES ACCEPTED IN THE STANDARDS, AND PROTECTION SHALL REMAIN UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STORM DRAINAGE OUTLET POINTS SHALL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
- 6. MULCH MATERIALS SHALL BE UN-ROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 70 TO 90 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
- 7. ALL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
- 8. THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT WILL BE NOTIFIED IN WRITING AT LEAST 48 HOURS PRIOR TO ANY SOIL DISTURBING ACTIVITIES. FAX - (862) 333-4507 OR EMAIL - INFORMATION@HEPCSD.ORG
- 9. THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT-OF-COMPLIANCE PRIOR TO APPLYING FOR THE CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY FROM THE RESPECTIVE MUNICIPALITY, NJ - DCA OR ANY OTHER CONTROLLING AGENCY. CONTACT THE DISTRICT AT 862-333-4505 TO REQUEST A FINAL INSPECTION, GIVING ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE DEPOSIT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR HYDRO-SEED.
- 10. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER USING REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND/OR SILT CONTROL BAGS.
- 11. ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER ARE TO BE PROVIDED TOPSOIL PRIOR TO RE-SEEDING, SODDING OR PLANTING. A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED.
- 12. ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW AND APPROVAL.
- 13. A CRUSHED STONE WHEEL CLEANING TRACKING-PAD IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2 -1"CRUSHED ANGULAR STONE (ASTM 2 OR 3) TO A MINIMUM LENGTH OF 50 FEET AND MINIMUM DEPTH OF 6". ALL DRIVEWAYS MUST BE PROVIDED WITH CRUSHED STONE UNTIL PAVING IS COMPLETE.
- 14. STEEP SLOPES INCURRING DISTURBANCE MAY REQUIRE ADDITIONAL STABILIZATION MEASURES. THESE "SPECIAL" MEASURES SHALL BE DESIGNED BY THE APPLICANT'S ENGINEER AND BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- 15. THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION OF THE PROJECT OR FOR THE SALE OF INDIVIDUAL LOTS. NEW OWNERS' INFORMATION SHALL BE PROVIDED. ADDITIONAL MEASURES DEEMED NECESSARY BY DISTRICT OFFICIALS SHALL BE IMPLEMENTED AS CONDITIONS WARRANT.

GENERAL REQUIREMENTS

- 1. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN.
- 2. SUBMIT WRITTEN NOTIFICATION TO THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION OF ANY SOIL EROSION AND SEDIMENT CONTROL FACILITY.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO INSURE PROPER FUNCTIONING OF SAID FACILITIES DURING CONSTRUCTION.
- 4. AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR HAS THE RESPONSIBILITY FOR INSURING THAT ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PROPER WORKING CONDITION AND THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
- 5. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES ON THE PROJECT SITE IS THE RESPONSIBILITY OF THE OWNER WHEN THE PROJECT IS 100 PERCENT COMPLETE.
- 6. THE DEMOLITION PROCESS MUST BE UNDERTAKEN IN SUCH A MANNER TO MINIMIZE DUST EMISSION FROM THE SITE. WHERE THE DEMOTION IS LIKELY TO CAUSE DUST EMISSION, PERIMETER FENCING AND SHADE CLOTH ARE TO BE USED TOGETHER WITH CONTINUOUS WATER SPRAY OR WETTING DOWN DURING THE DEMOLITION PROCESS. ALL AREAS SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
- 7. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL INCLUDE THE ABOVE MEASURES. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY OMISSIONS, ERRORS OR SUBSEQUENT FIELD OPERATIONS WHICH MIGHT DEVIATE FROM THE INTENT OF THE SOIL EROSION AND SEDIMENT CONTROL ACT OF 1975 AS AMENDED (N.J.S.A. 4:24-39 ET SEQ.) THE CONTRACTOR SHALL CORRECT SAID OMISSIONS, ERRORS, OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR EROSION AND SEDIMENT CONTROL.
- 8. THE CONTRACTOR SHALL KEEP THE STREET CLEAR OF DIRT AND BE RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- 9. THE CONTRACTOR SHALL KEEP A COPY OF THE CERTIFIED PLAN ON SITE DURING CONSTRUCTION AND SHALL AGREE TO ALLOW DISTRICT AGENTS TO GO ONTO THE PROJECT SITE FOR INSPECTION.
- 10. THE CONTRACTOR SHALL NOTIFY THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT UPON COMPLETION OF THE PROJECT.
- 11. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH ALL UTILITY COMPANIES.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER AND SUFFICIENT CONSTRUCTION PROTECTION TO THE WORKERS AND THE PUBLIC. OSHA AND ALL MUNICIPAL CODES SHALL BE FOLLOWED.
- 14. QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY TO COMPLETE CONSTRUCTION OF THE PROJECT.
- 15. ALL WORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE LOCAL AND STATE (NEW JERSEY UNIFORM CONSTRUCTION CODE) CONSTRUCTION CODES, LATEST EDITION, AND SPECIFICATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS.

HUEN QUAN, P.E.
NJ PROFESSIONAL ENGINEER
24GE0468500

NO.	DRWN DATE	REV	CHKD DATE	APPROVAL
1	05/05/2016	JK	05/05/2016	HQ

AECOM
AECOM Technology Corp., Suite 620
Piscataway, NJ 08854
www.aecom.com
NJ C.O.A. No.: 24G24002200

PPG
PHASE 2B-2 & 2B-4 AND 3B
SITE 114, 133W, AND 137
JERSEY CITY, HUDSON COUNTY, NJ
DATE: 11/19/13
PROJ. NO.: 60482955

SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES
PHASE 2B-2 & 2B-4 AND 3B

DRAWING NUMBER: 4
SHEET NUMBER: 5 of 5
REVISION 1

Report of Compliance

Hudson-Essex-Passaic Soil Conservation District (HEPSCD) has closed the Soil Erosion and Sediment Control Plan (SESCP) 251 ID Code #213-H-3250 (PPG Phases 2B-2, 2B-4, and 3B [sites 114, 113W, 137A]). The plan is superseded by HEPSCD 251 ID Code #217-H-3845, which is known as the Restoration SESCO and contains the limit of disturbance included in 213-H-3250. HEPSCD did not issue a final Report of Compliance for 213-H-3250 since it was superseded by the Restoration SESCO. The Restoration SESCO is still active and expires on October 5, 2020.

SESCP – Restoration



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

80 ORCHARD STREET
BLOOMFIELD, NJ 07003-5104
Telephone: (862) 333-4505
Fax: (862) 333-4507
www.hepsoilnj.org

October 18, 2017

Ms. Jody Overmyer
PPG
440 College Park Drive
Monroeville, PA 15146

Re: **PPG Restoration of Garfield Group Sites: revised to show restoration elevations & final cover**
Dakota, Garfield, Carteret, Halladay, Pacific & Forrest; Jersey City, NJ
Block: 21501;21510;21509;21502 Lot: 11-12,14-20;1-4;1-3;12-17
Ch.251 ID# **217-H -3845, Re-Review #217-H-0039**, SESC plan dated 9/14/17

Dear Applicant:

The District has completed the review of the revised soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **recertified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified by mail 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification remains valid through **October 6, 2020**, and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,

Matthew J. Ward
Chairman

Cc: Planner, Municipality, County



For District Use Only

217-H-3845/217-H-0039
Artification Amended: 10/18/17

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

Name of Project PPG Garfield Avenue Group Sites Restoration Recertification		Project Location: Municipality Jersey City, Hudson County	
Project Street Address See Attachment 1		Block See Attachment 1	Lot See Attachment 1
Project Owner(s) Name PPG		Email Jody Overmyer Overmyer@ppg.com	Phone # 724-325-5070 Fax #
Project Owner(s) Street Address (No P.O. Box Numbers) 440 College Park Drive		City Monroeville	State PA Zip 15146
Total Area of Project (Acres) 22.6	Total Area or Land to be Disturbed (Acres) 0	No. Dwelling or other Units N/A - Cat.D	Fee \$ 150.00
Plans Prepared by* Hue N. Quan, P.E./AECOM			Phone # 732-564-3631 Fax # 732-369-0122
Street Address 30 Knightsbridge Road, Suite 520		City Piscataway	State NJ Zip 08854

* (Engineering related items of the Soil Erosion and Sediment Control Plan MUST be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

Agent Responsible During Construction AECOM		Email Hue.Quan@aecom.com	
Street Address 30 Knightsbridge Road, Suite 520			
City Piscataway	State NJ	Zip 08854	Phone 732-564-3631 Fax # 732-369-0122

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
- To maintain a copy of the certified plan on the project site during construction.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency. It is further understood that all documents, site plans, design reports etc. submitted to the district shall be made available to the public (upon request) pursuant to the Open Public Records Act, N.J.S.A. 47:1A-1 et seq.

1. Applicant Certification* Signature: Date: 9/26/17 Applicant Name (Print) Jody Overmyer	3. Plan determined complete: Signature of District Official: Date: 10/18/17
2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official: Date: 9/29/17	4. Plan certified, denied or other actions noted above. Special Remarks: Signature of Date: 10/18/17

*If other than project owner, written authorization of owner must be attached.

SSCC251 AP10 1/2014

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE REQUIRED 48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN

This project requires / does not require the NJDEP 5G3 (RFA) permit prior to groundbreaking.
Stormwater will be collected.

PROJECT NAME: PPG RESTORATION OF GARFIELD AVE GROUP SITES

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 217-H-3845

PROJECT LOCATION: STREET ADDRESS: Dakota, Carteret, Garfield & Halladay

MUNICIPALITY: Jersey City

PROJECT OWNER/APPLICANTS NAME: PPG/
Jody Overmyer

ADDRESS: 440 College Park Drive, Monroeville, PA, 15146

PHONE #: 724-325-5070 **FAX:** _____

E-MAIL: Overmyer@ppg.com **CELL#** _____


ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME: Brady Bonsted/ ENTACT

ADDRESS: 70 Carteret Avenue, Jersey City New Jersey

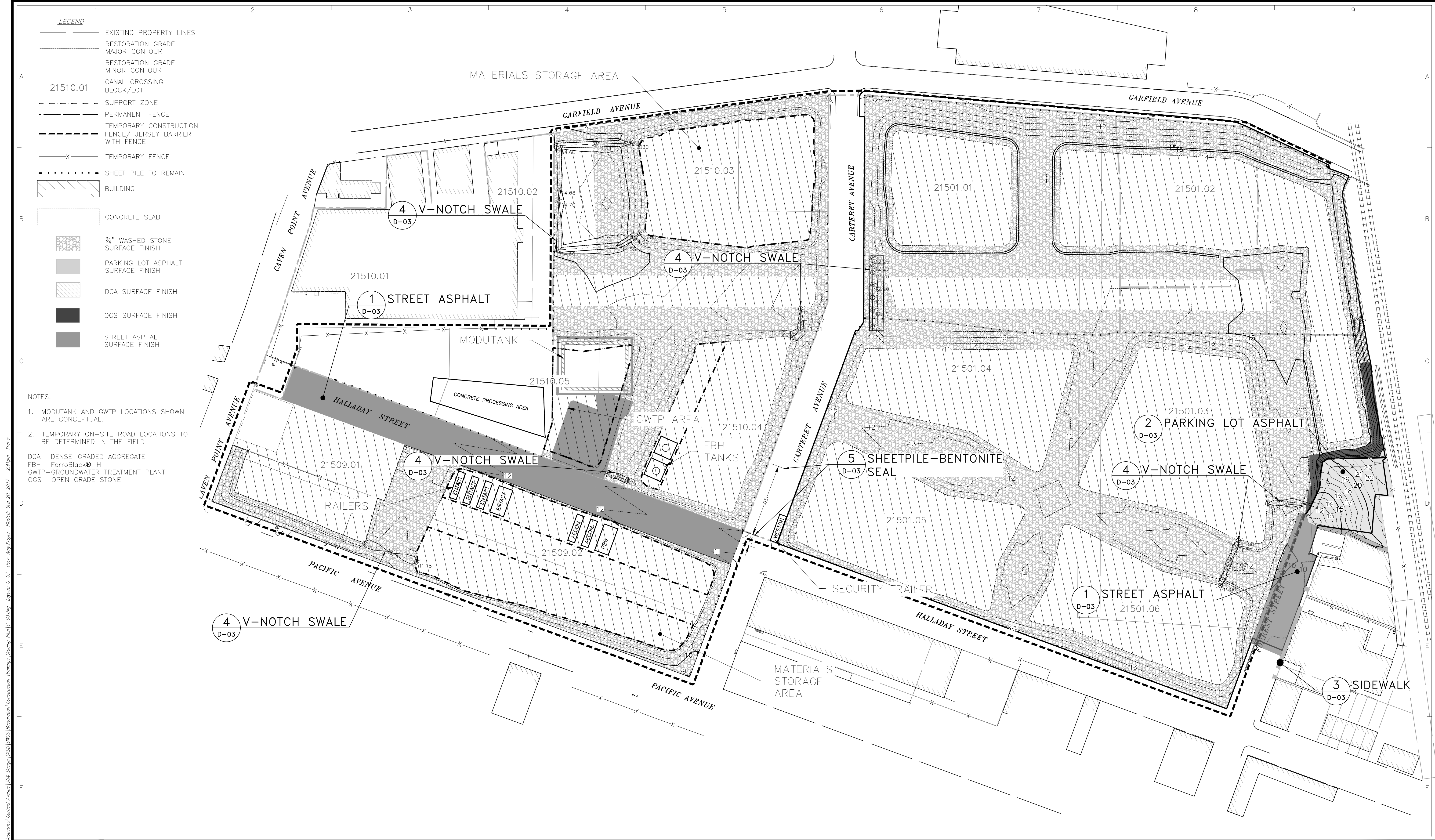
PHONE #: _____ **FAX** _____

EMAIL : bbonsted@entact.com **CELL#** (630) 669-0216

PROJECT START DATE : August 7, 2017 

(including DEMOLITION, CLEARING, LAND GRADING) This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L 1975, and may result in additional fees.

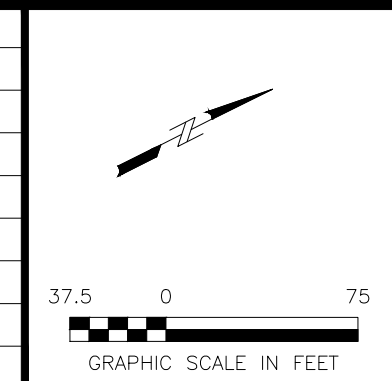
Submit to:	HUDSON-ESSEX-PASSAIC SCD 80 ORCHARD STREET BLOOMFIELD,NJ 07003
Or send via FAX: (862)333-4507	or EMAIL: information@hepscd.org



File: P:\Jobs\Item_010\Project Files\PPG Industries\Garfield Avenue\1308\Design\2010\DWG\Restoration\Construction\Drawings\Grading\Plan\C-03.dwg
 Layout: C-03 User: Amy Kasper Plot Date: Sep 20, 2017 - 2:41pm Xref's:

Hue N. Quan, P.E.
 NJ Professional Engineer
 24GE004698500

NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD	DATE
1	ASK	09/14/17	RESTORATION GRADING PLAN				
0	JTS	06/09/17					



AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 www.aecom.com
 NJ C.O.A. No. 3462800200

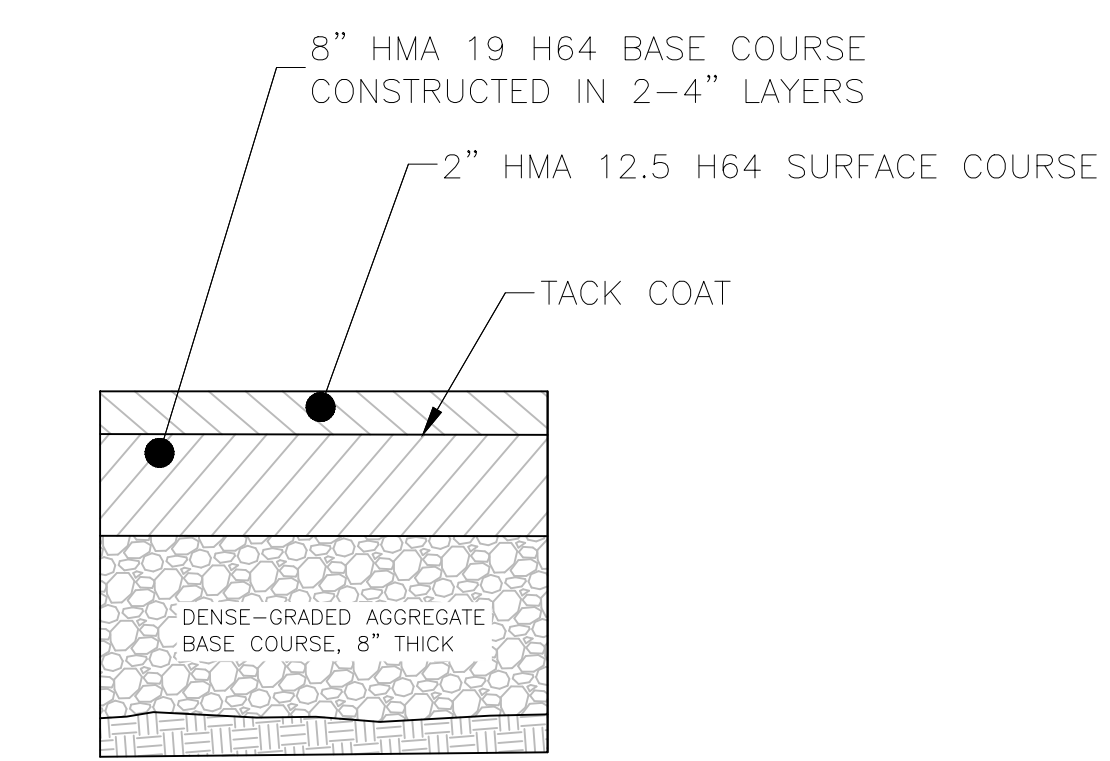
PPG
 GARFIELD AVENUE GROUP OF SITES
 JERSEY CITY, NEW JERSEY

PROJ. NUMBER: 60545491 DATE: 09/14/17

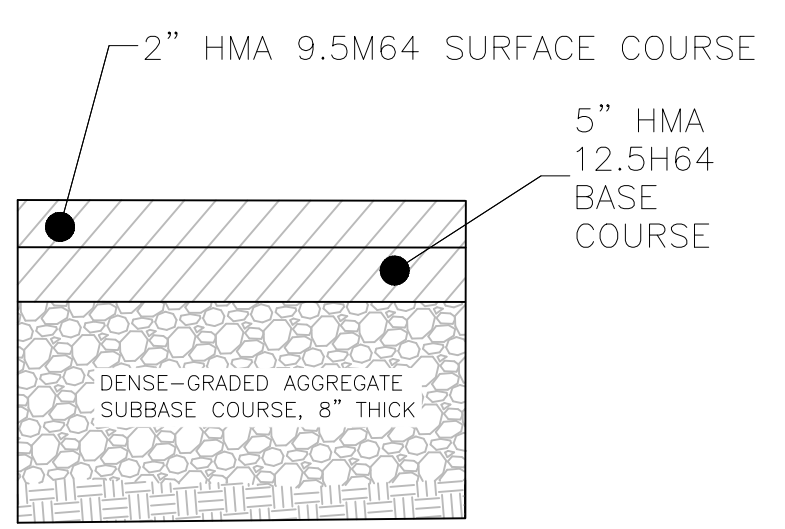
RESTORATION GRADING PLAN

SOIL EROSION AND SEDIMENT CONTROL PLAN RECERTIFICATION

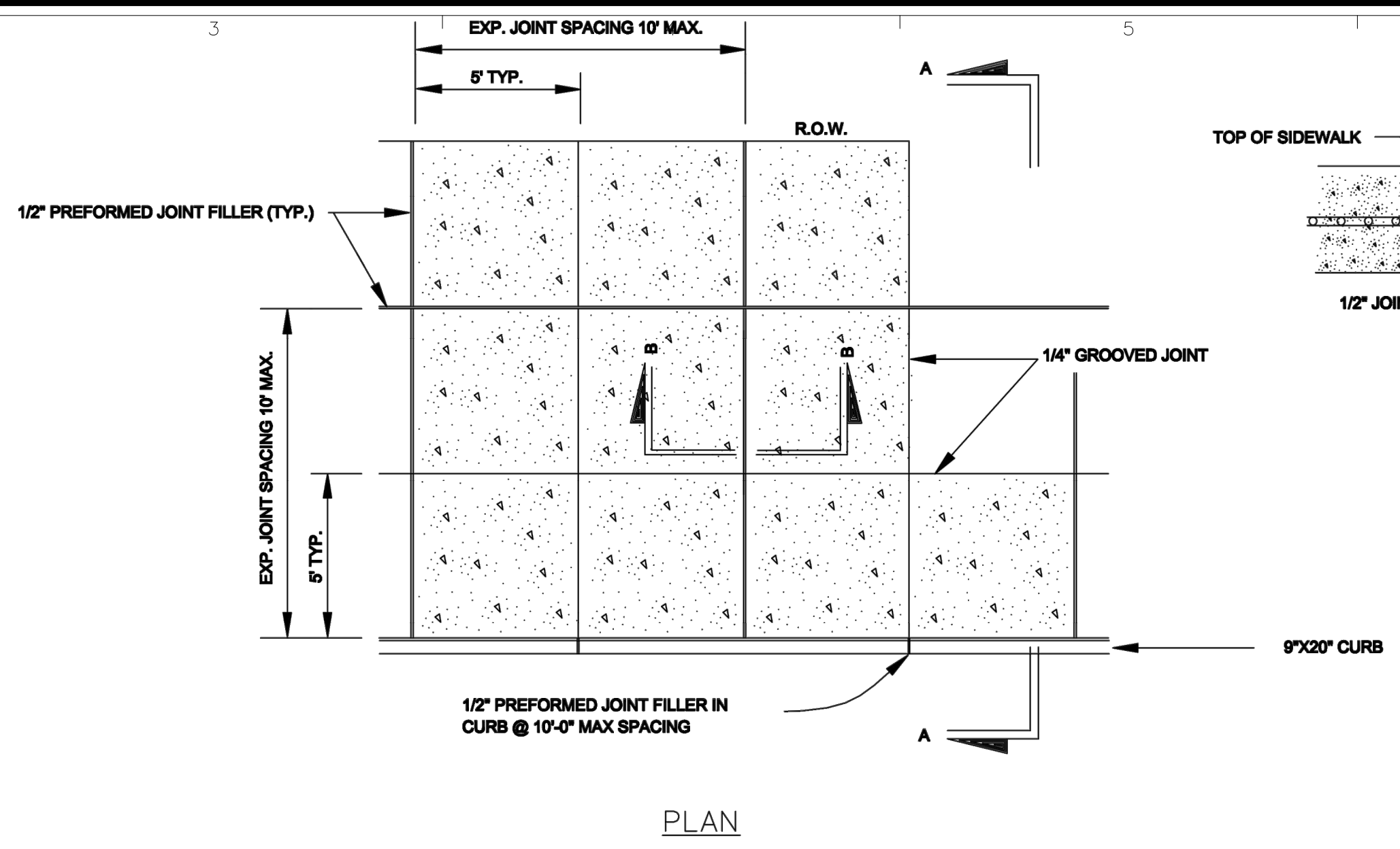
DRAWING NUMBER: C-03
 SHEET NUMBER: 1 of 1
 REVISION: 1



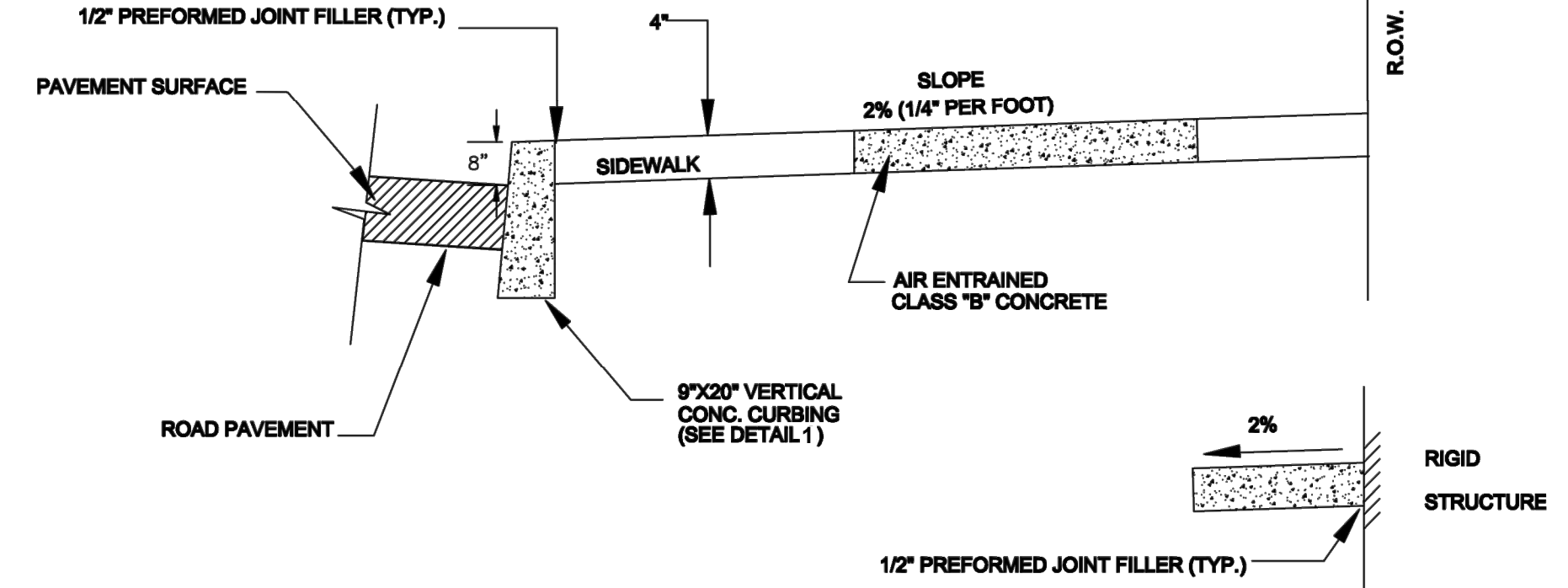
1 STREET ASPHALT PROFILE
C-03 N.T.S.



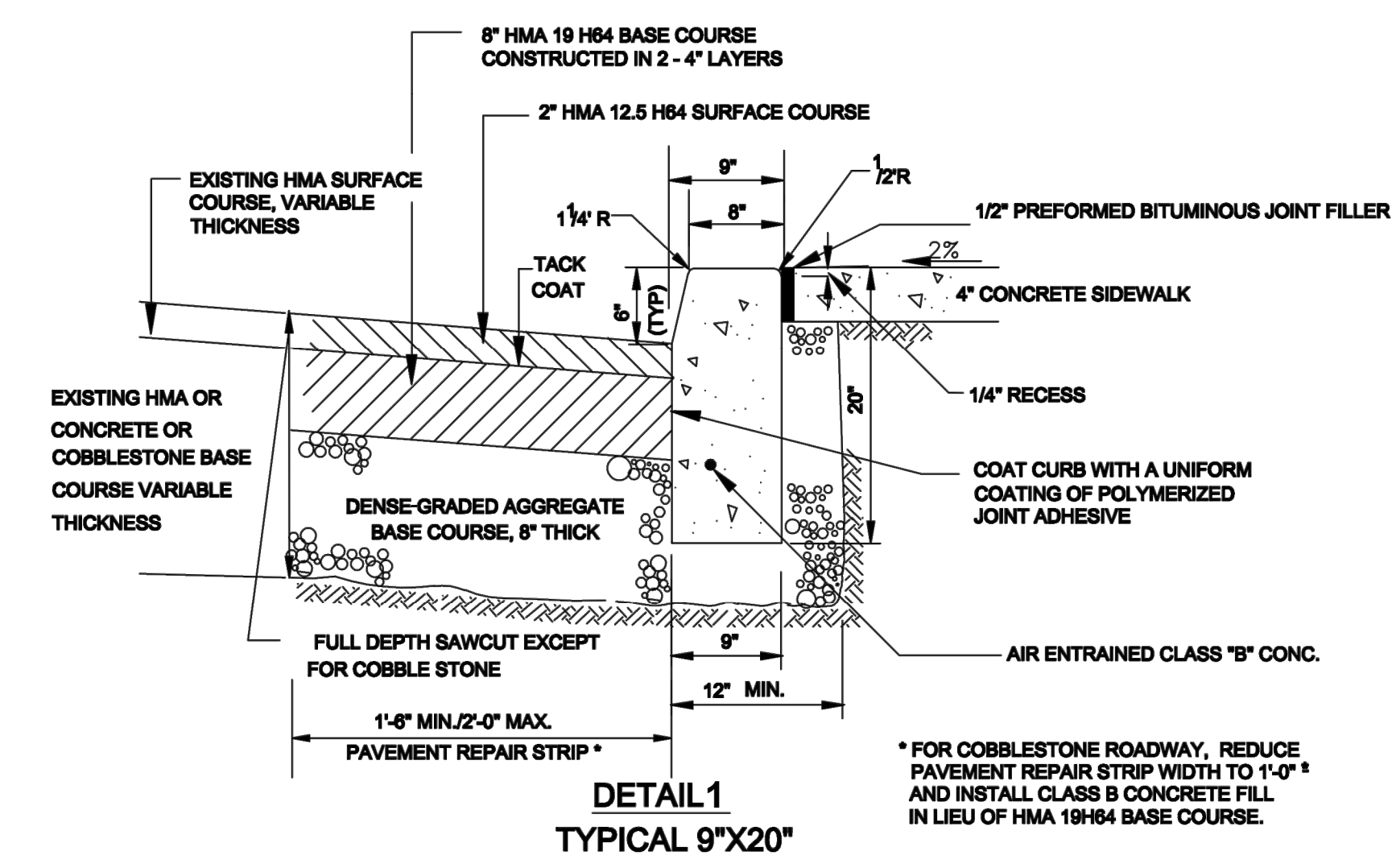
2 PARKING LOT ASPHALT
C-03 N.T.S.



TYPICAL CONCRETE SIDEWALK

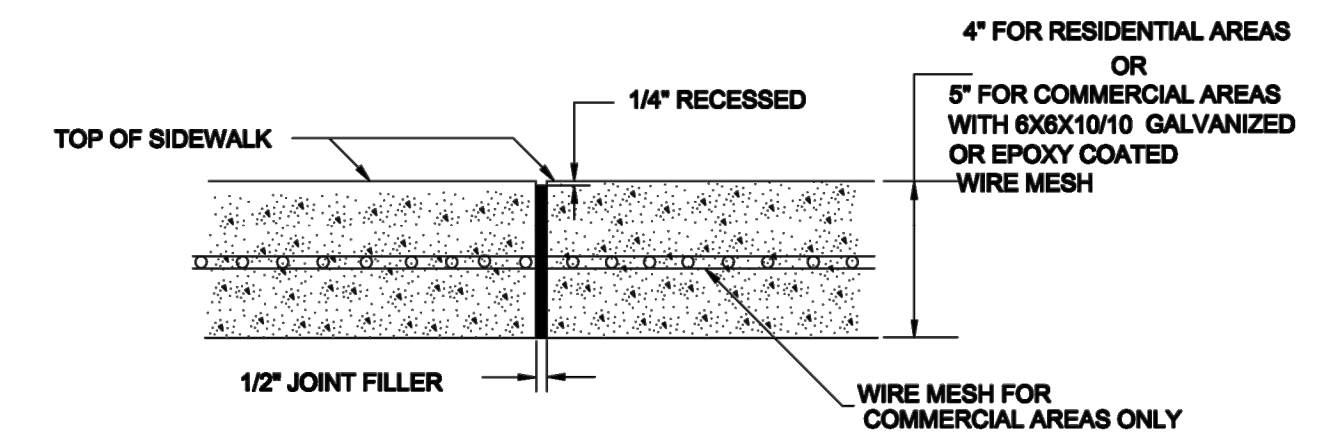


SECTION A-A
N.T.S.

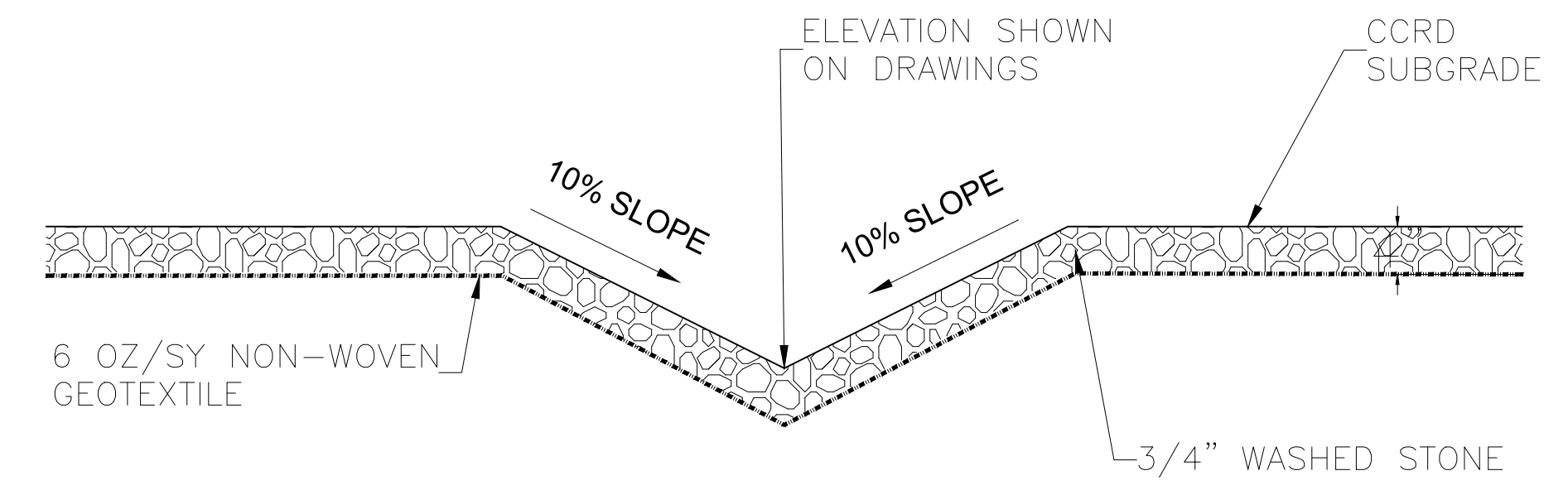


DETAIL 1
TYPICAL 9x20"

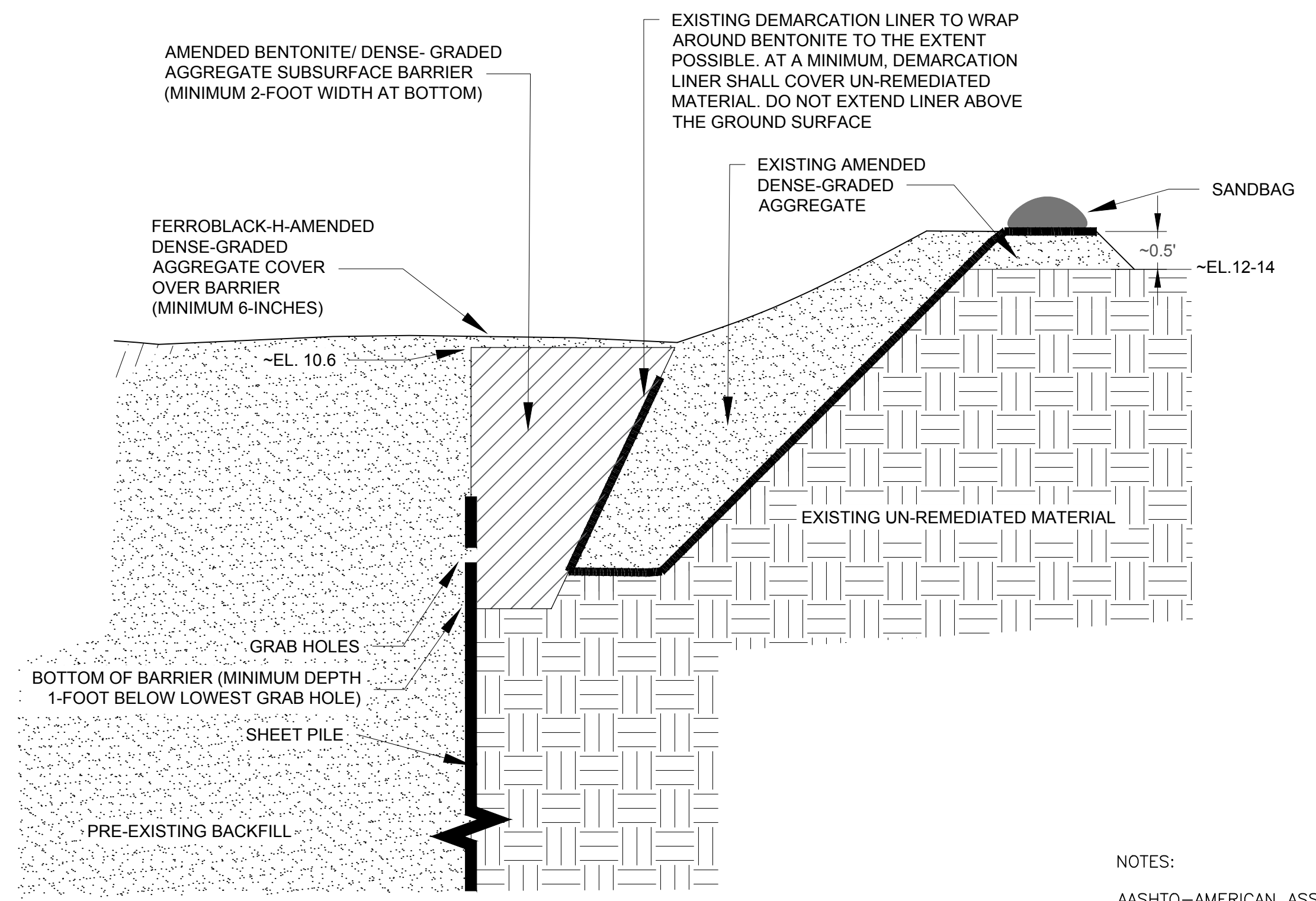
3 NEW SIDEWALK
C-03 N.T.S.



SECTION B-B
SIDEWALK JOINT FILLER
N.T.S.



4 V-NOTCH SWALE
C-03 N.T.S.



5 SHEETPILE-BENTONITE SEAL
C-03 N.T.S.

NOTES:
AASHTO-AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
CCRD-CANAL CROSSING REDEVELOPMENT
EL-ELEVATION (FEET NORTH AMERICAN VERTICAL DATUM OF 1988)
HMA-HOT MIX ASPHALT
N.T.S.-NOT TO SCALE
OZ/SY-OUNCE/SQUARE YARD
R.O.W- RIGHT OF WAY

File: P:\Jobs\New_Eng\Project_Files\PPG_Industries\Garfield Avenue\308_Restoration\Construction Drawings\Grading Plan\Detail_Sheet.dwg Layout: Detail Sheet 1 User: AmyKroger Plotted: Sep 19, 2017 11:56am Prof.s

7					
6					
5					
4					
3					
2					
1	ASK	09/12/17	RESTORATION GRADING PLAN DETAILS		
0	TDL	06/09/17	TECHNICAL EXECUTION PLAN		
NO	DRWN	DATE	REVISION	CHKD	DATE



AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
www.aecom.com

PPG GARFIELD AVENUE GROUP OF SITES JERSEY CITY, NEW JERSEY	
PROJ. NUMBER: 6054591	DATE: 09/12/17

RESTORATION DETAILS	
SOIL EROSION AND SEDIMENT CONTROL PLAN RECERTIFICATION	

DRAWING NUMBER: D-03
SHEET NUMBER: 1 of 1
REVISION 1

Notice of Non-Applicability



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code - 401-02B
Division of Water Quality
Office of Permit Management
P.O. Box 420 – 401 E State St
Trenton, NJ 08625-0420
Phone: (609) 984-4428 / Fax: (609) 777-0432

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

NOTICE OF NON-APPLICABILITY

Date: March 18, 2015

PPG GARFIELD AVE GRP SOIL REMEDIATION PROJECT
70 CARTERET AVE
JERSEY CITY, NJ 07305

Re: NAF - Discharge to CSO w/certification
Program Interest ID: 677817
PPG GARFIELD AVE GRP SOIL REMEDIATION PROJECT
Jersey City, Hudson County

Dear Applicant:

Your Non-Applicability Request was received on 03/12/2015 and has been determined to be complete. As stated, all stormwater associated with the construction activities will be discharged to a combined sewer. Based on this information, the Construction Stormwater General permit (5G3) is not required at this time. The above facility shall submit an application for permit coverage if, at any time, it is discovered that unpermitted discharges are occurring from this construction activity and may be subject to enforcement penalties. Please include the Program Interest ID **677817** on future submissions.

Please be advised that checklists and forms are revised from time to time. Before making any future submissions please see our website at <http://www.nj.gov/dep/dwq/forms.htm> or contact the Office of Permit Management at (609) 984-4428. Please refer to the Program Interest number and subject matter when making inquiries.

Sincerely,

Terry Beym
Office of Permit Management

cc: AECOM
Central File-Administrative Record – PI: 677817 / MF: 483253

Construction Permit Notice - Trailers



CITY OF JERSEY CITY

DEPARTMENT OF
Housing, Economic Development and Commerce
Office of The Construction Official
30 Montgomery Street, 4th Floor, Jersey City, NJ 07302
(201) 547-5055



Date Issued **9-30-11**

Permit # **2011 2773**

CONSTRUCTION PERMIT NOTICE

Block **2026.1** Lot **2.A**

Work Site Location: **880 Garfield Ave.**

AUTHORIZED FOR:

BUILDING

ELECTRICAL

~~PLUMBING~~

~~FIRE PROTECTION~~

~~ELEVATOR~~

~~DEMOLITION~~

~~OTHER~~

Temporary Office Trailers



CITY OF JERSEY CITY

DEPARTMENT OF
Housing, Economic Development and Commerce
Office of The Construction Official
30 Montgomery Street, 4th Floor, Jersey City, NJ 07302
(201) 547-5055



Date Issued **10-21-11**
Permit # **20113060**

CONSTRUCTION PERMIT NOTICE

Block **2006 A** Lot **2**

Work Site Location: **824 Garfield Ave.**

AUTHORIZED FOR:

BUILDING

ELECTRICAL

PLUMBING

FIRE PROTECTION

ELEVATOR

DEMOLITION

OTHER

Office trailer to be placed on site as a public information center for ongoing Chromium Remediation project

This notice shall be posted conspicuously at the work site and shall remain so until issuance of a certificate.

U.C.C. Form F-180B (rev. 3/96)

Cost of Demolition: 0.00

Total Cost: \$6,976.00

Amount to be Paid:

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Ray Meyer wf
RAYMOND MEYER

10-21-11
Date

Construction Official

Note:

Construction Permit Notice – Groundwater Treatment System



CITY OF JERSEY CITY

DEPARTMENT OF
Housing, Economic Development and Commerce
Office of The Construction Official
30 Montgomery Street, 4th Floor, Jersey City, NJ 07302
(201) 547-5055



Date Issued **3-9-12**

Permit # **2012 0574**

CONSTRUCTION PERMIT NOTICE

Block **207C.A** Lot **1**

Work Site Location: **900 GARFIELD**

AUTHORIZED FOR:

- BUILDING
- ELECTRICAL
- PLUMBING
- FIRE PROTECTION
- ELEVATOR
- DEMOLITION

OTHER **Water treatment Plant Assembly**

This notice shall be posted conspicuously at the work site and shall remain so until issuance of a certificate.



CITY OF JERSEY CITY
 30 MONTGOMERY STREET-SUITE 412
 JERSEY CITY, NJ 07302
 201 - 547-5055

Permit Number: 20120574
 Update Number:
 Control Number: 91541
 Application Date: 12/21/2011
 Permit Date: 03/09/2012

CONSTRUCTION PERMIT

IDENTIFICATION

OWNER/PROPERTY DETAILS

Block: 2026.A	Lot: 1	Qualification Code:
Work Site Location:	900 GARFIELD AVE Jersey City	
Owner In Fee:	JERSEY CITY REDEVELOPMENT AGENCY	Contractor: ACQUA BELLA
Address:	30 MONTGOMERY JERTSEY CITY NJ 07302	Address: 214 SYKESVILLE ROAD CHESTERFIELD NJ 08515
Telephone:	(201) - 547-5810	Telephone: (609) - 324-9024
Use Group(s):	U	Lic. No. / Bldrs. Reg. No.:
		Federal Emp. No.:

is hereby granted permission to perform the following work :

- | | | |
|--|--|-------------------------------------|
| <input checked="" type="checkbox"/> BUILDING | <input type="checkbox"/> PLUMBING | <input type="checkbox"/> DEMOLITION |
| <input checked="" type="checkbox"/> ELECTRICAL | <input type="checkbox"/> FIRE PROTECTION | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> ELEVATOR DEVICES | <input type="checkbox"/> MECHANICAL | |
| <input type="checkbox"/> ASBESTOS ABATEMENT | <input type="checkbox"/> LEAD HAZARD ABATEMENT | |

(Subchapter 8 only)

DESCRIPTION OF WORK:
 Cover for water treatment facility.

ESTIMATED COST OF WORK:

Cost of Construction: 0.00
 Cost of Rehabilitation: 183,850.00
 Cost of Demolition: 0.00

Total Cost: \$183,850.00

PAYMENTS (Office Use Only)	
Building	\$2,608.00
Electrical	\$370.00
Plumbing	
Fire Protection	
Elevator Devices	
Mechanical	
VolFee (DCA)	
AltFee (DCA)	\$313.00
DCA Minimum	\$0.00
Other Fees	
CO Fee	
CCO Fee	
Minimum Fee	
Total	\$3,291.00
All Fees Waived:	No

Amount to be Paid: \$3,291.00

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

RAYMOND MEYER

Construction Official

Date

Total Cash Amount:
 Total Check Amount: \$3,291.00
 Total CC Amount:
Grand Total: \$3,291.00

Note:

CITY OF JERSEY CITY
 30 MONTGOMERY STREET-SUITE 412
 CITY OF JERSEY CITY NJ,07302
 201-547-5055

**MUNICIPAL
 RECEIPT
 OF PAYMENT**

BATCH CONTROL NO:

DATE:

TIME:

March 09 , 2012 11:37:27AM

Owner In Fee: JERSEY CITY REDEVELOPMENT AGENCY **Block :** 2026.A **Lot :** 1
Address : 30 MONTGOMERY **Payee :** _____
JERTSEY CITY NJ 07302 **Site Address:** 900 GARFIELD AVE
Telephone: 201 5475810 Jersey City

PAYMENT SUMMARY

Account	Cash Amount	Check Amount	Check Number	Total Amount	Receipt Number	Trans Number	Code
<u>ERMIT FEES</u>	\$0.00	\$2,978.00	5346	\$2,978.00		143717	
Sub Total :	\$0.00	\$2,978.00		\$2,978.00			
Grand Total:	<u>\$0.00</u>	<u>\$2,978.00</u>		<u>\$2,978.00</u>			

CITY OF JERSEY CITY
30 MONTGOMERY STREET-SUITE 412
CITY OF JERSEY CITY NJ,07302
201-547-5055

**MUNICIPAL
RECEIPT
OF PAYMENT**

BATCH CONTROL NO:

DATE:

TIME:

March 09 , 2012 11:37:23AM

Owner In Fee: JERSEY CITY REDEVELOPMENT AGENCY Block : 2026.A Lot : 1
Address : 30 MONTGOMERY Payee : _____
JERTSEY CITY NJ 07302 Site Address: 900 GARFIELD AVE
Telephone: 201 5475810 Jersey City

PAYMENT SUMMARY

Account	Cash Amount	Check Amount	Check Number	Total Amount	Receipt Number	Trans Number	Code
<u>PERMIT FEES</u>	\$0.00	\$313.00	5345	\$313.00		143716	
Sub Total :	\$0.00	\$313.00		\$313.00			
Grand Total:	<u>\$0.00</u>	<u>\$313.00</u>		<u>\$313.00</u>			

LEEMARK ELECTRIC INC
208-210 WEST SIDE AVE.
JERSEY CITY, NJ 07305

5345

55-7230/2212

DATE 3/9/12

PAY TO THE ORDER OF Jersey City Treasurer

\$ 313.00

Three Hundred & Thirteen & XX/100

DOLLARS

Security Features Details on Back.

THE PROVIDENT BANK

MAIN OFFICE 01
CHECK PROCESSING CENTER
830 BERGEN AVENUE, JERSEY CITY, NJ 07306

FOR 2012-0574

MP

⑈005345⑈ ⑆221272303⑆ 6012⑈1644⑈9⑈

LEEMARK ELECTRIC INC
208-210 WEST SIDE AVE.
JERSEY CITY, NJ 07305

5346

55-7230/2212

DATE 3/9/12

PAY TO THE ORDER OF Jersey City Treasurer

\$ 2,978.00

Twenty Nine Hundred & Seventy Eight & XX/100

DOLLARS

Security Features Details on Back.

THE PROVIDENT BANK

MAIN OFFICE 01
CHECK PROCESSING CENTER
830 BERGEN AVENUE, JERSEY CITY, NJ 07306

FOR 2012 0574

MP

⑈005346⑈ ⑆221272303⑆ 6012⑈1644⑈9⑈

PVSC Sewer Use Permit #31630010



KENNETH J. LUCIANIN
Commissioner

THOMAS F. FLANAGAN
Acting Clerk

MICHAEL DeFRANCISCI
Executive Director

GREGORY A. TRAMONTOZZI
General Counsel

600 Wilson Avenue
Newark, New Jersey 07105
P (973)344-1800 F (973)344-2951
www.pvsc.com

Fax: (973) 344-4876
July 18, 2012

CERTIFIED RECEIPT
91 7190 0943 0010 0005 2319

PPG Industries, Inc.
4325 Rosanna Drive
Allison Park, PA 15101
Attn: Brian McGuire, Manager Environmental Projects

RE: REVISIONS TO SEWER USE PERMIT# 31630010

Dear Mr. McGuire:

Enclosed are the revisions to your Sewer Use Permit. Please review and attach these changes to your existing Permit accordingly.

If you have any questions, please contact Laura Marchitto, Operations Coordinator, at (973) 817-5905.

Very truly yours,
PASSAIC VALLEY SEWERAGE COMMISSION

A handwritten signature in black ink, appearing to read "Anthony Gammaro", with a long horizontal line extending to the right.

Anthony Gammaro
Supervisor, User Charge & Permit Management

AG/lm

Enclosure

C: Michael DeFrancisci, Executive Director
Laura Marchitto, Operations Coordinator, User Charge & Permit Management
Rich Haytas, Senior Engineer, Jersey City Municipal Utilities Authority

PASSAIC VALLEY SEWERAGE COMMISSION

SEWER USE PERMIT

Permit #

31630010

(Please use the Permit Number on any correspondence with PVSC)

In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and Rules and Regulations of the Passaic Valley Sewerage Commission

PPG INDUSTRIES, INC.

(herein, after referred to as the Permittee)

is authorized to discharge from a facility located at

SITE 114 - 900 GARFIELD AVENUE

JERSEY CITY, NEW JERSEY 07305

to the Passaic Valley Sewerage Commission Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE

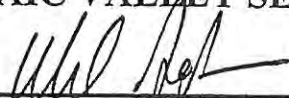
01/01/2012

EXPIRATION DATE

12/31/2016

PASSAIC VALLEY SEWERAGE COMMISSION

BY



Michael DeFrancisci
Executive Director

SECTION A**CONDITION SPECIFIC TO THIS PERMIT****1. Sampling**

- 1.1 Samples and measurements taken as required under this permit shall be representative of the monitored activity. All samples shall be taken at the monitoring points approved by the PVSC and specified in this permit. Unless otherwise specified, all samples shall be drawn by a 24-hour composite sampler acceptable to the PVSC which shall be equipped with attachments appropriate for affixing seals. During and after collection, the sample shall be maintained between 1⁰C – 4⁰C.

- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
 - (a) Samples that are taken for heavy metal analysis must be drawn by an automatic 24-hour composite sampler. A grab sample is not acceptable for metals compliance determination.

**PASSAIC VALLEY SEWERAGE COMMISSION
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

SIU FACT SHEET

Sewer Use Permit to discharge into Passaic Valley Treatment Plant

The PPG Industries, Inc. has submitted a completed Sewer Use Application for a Sewer Use Permit Revision to discharge into the treatment works.

NAME & ADDRESS OF APPLICANT	NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS
PPG Industries, Inc. 4325 Rosanna Dr. Allison Park, PA 15101	PPG Industries, Inc. Site 114 - 900 Garfield Avenue Jersey City, NJ 07305

Description of Facility Operations: Groundwater discharger

Million Gallons per Day (MGD) Industrial Wastewater: Approx. - .172800 MGD

Number of Outlets: **Industrial** – 1-This outlet is used for compliance
Sanitary - 0

Sample Point Location: Sample point is located at post-treatment sampling port in GWTS area.

Basis for Permit Conditions: Groundwater

Type of Pretreatment Equipment Installed: Physical and Chemical Process including Flocculation, Slug Handling, Particulate Filtration, 1X Resin and Carbon Adsorption and pH Adjustment.

Duration of Sewer Use Permit: 5 Years

Special Conditions or Remarks: Revision. This Company is covered under PVSC Local Limits. Rate of discharge increased from 50 GPM to the peak design flow of 172,800 GPD

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(a) Beginning (01/01/2012) and lasting through (12/31/2016) the Permittee is authorized to discharge from outlet # (31630010-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The Sample point is located at post-treatment sampling port in GWTS area. The Permittee shall submit volume in accordance with PVSC User Charge Self-Monitoring Report Form MR-2.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS	
	MONTHLY AVERAGE	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

2. **MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS**

(b) Beginning (01/01/2012) and lasting through (12/31/2016) the Permittee is authorized to discharge from outlet # (31630010-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The Sample point is located at post-treatment sampling port in GWTS area. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Form MR-1.

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	MONTHLY AVERAGE	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
SGT-HEM (Non-Polar Material)	100 mg/l	150 mg/l	Monthly	Grab*	Monthly
TTO	XXXXXX	XXXXXX	Monthly	Grab**	Monthly
TVOC	XXXXXX	XXXXXX	Monthly	Grab***	Monthly
Chromium	XXXXXX	10.9 lbs/day	Monthly	24 hr. Comp.	Monthly
BOD	XXXXXX	XXXXXX	Monthly	24 hr. Comp	Monthly
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Monthly

* Sampling procedure must be in accordance with those specified by N.J.D.E.P. Analysis procedure as defined by E.P.A. Method 1664A.
 ** Sampling procedure must be in accordance with those specified by N.J.D.E.P. Analysis procedure as defined by E.P.A. Method 624.
 *** Sampling procedure must be in accordance with those specified by N.J.D.E.P. Analysis procedure as defined by E.P.A. Method 625.

2. **MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS**

(b) Beginning (01/01/2012) and lasting through (12/31/2016) the Permittee is authorized to discharge from outlet # (31630010-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The Sample point is located at post-treatment sampling port in GWTS area. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1.

PVSC LOCAL LIMITS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	PARAMETER	mg/l MONTHLY AVERAGE	mg/l THRESHOLD VALUE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Cd	0.19	0.005	Monthly	24 hr. comp.	Monthly
Cu	3.02	0.092	Monthly	24 hr. comp.	Monthly
Pb	0.54	0.029	Monthly	24 hr. comp.	Monthly
Hg	0.080	0.001	Monthly	24 hr. comp.	Monthly
Ni	5.9	0.02	Monthly	24 hr. comp.	Monthly
Zn	1.67	0.10	Monthly	24 hr. comp.	Monthly
Volume	XXXXX	XXXXX	XXXXX	XXXXX	Monthly

3. SCHEDULE OF COMPLIANCE

The Permittee is required to meet the following schedule of compliance:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Permittee is required to submit all certified analyses as an attachment to the monthly MR-1 and/or MR-2 report.
- B. The Permittee is required to submit as an attachment to the MR-1 and/or MR-2 report monthly, a water balance showing meter readings used to calculate the reported volume discharged.
- C. Permittee to submit a periodic compliance monitoring report MR-2 form for monthly reporting requirements within twenty-one (21) days after the end date of each preceding month.
- D. Permittee to be in compliance with PVSC Local Limits.
Permittee to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).
- E. If the Permittee has been authorized by the PVSC to certify for non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical results exceed the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample each succeeding month until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations Section B-103.3 Table B-2.
- F. Be certain that you do not surcharge any sewer lines. The rate of discharge must not exceed the peak design flow of 172,800 gal/day as stated in the Treatment Works Approval. Please NOTE that all discharge must cease during rainfall events and must not recommence until dry weather resumes.
- G. Permittee must operate in accordance with its April 5, 2012 approved Slug Control Plan.

PPG INDUSTRIES, INC., JERSEY CITY, NJ - #31630010**SECTION A-3 SCHEDULE OF COMPLIANCE CONTINUED**

- H. All discharge shall cease 5 years from the start of discharge. If additional time is needed, you must request an extension from PVSC 90 days prior to the expiration date of the Agreement and this Sewer Use Permit.
- I. All PVSC Rules & Regulations must be adhered to (www.PVSC.com).
- J. The Final Sewer Use Permit will run concurrent with a said contract executed by both PPG Industries, Inc. and PVSC.
- K. Notify Gerard Patire at (973)446-3085, three (3) working days before you plan to commence the discharge, so that a PVSC Inspector can be present to observe the discharge.
- L. This discharge cannot begin until a written Agreement is entered into.
- M. PVSC reserves the right to require toxicity evaluation and/or to change the conditions of this Permit, including discontinuing the discharge if it deems necessary.
- N. The Permittee shall notify in writing, all agencies as directed by 40 CFR 403.12 (p) of any discharges classified hazardous waste under 40 CFR 261.

CONDITIONS APPLICABLE TO ALL PERMITS

1. GENERAL

- 1.1 The Permittee shall comply with all conditions set forth in this permit and all applicable requirements which are set forth in N.J.S.A. 58:14-1 et seq. and the Rules and Regulations of the PVSC, as well as the Federal Clean Water Act, 33 U.S.C.A. § 1251 et seq. and the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. Failure to comply with all the terms and conditions of this permit shall constitute a violation of the Rules and Regulations of the PVSC.
- 1.2 All discharges shall be consistent at all times with the terms and conditions of this permit and no regulated pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by this permit.
- 1.3 The Permittee shall not discharge or deposit or cause or allow to be discharged or deposited into the Treatment Works or public sewer, any waste which causes or contains the following
- (a) **Explosive Wastes** - Wastes in such quantity which may create a fire or explosion hazard to the Treatment Works, collection system or to the operation of the system, including but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21. Additional quantitative limitations on explosive wastes are specified in Appendix B.
- (b) **Corrosive Wastes** - Wastes in such quantity which may cause corrosion or deterioration of the Treatment Works. Unless a higher limit is otherwise stated in the Sewer Use Permit issued to a user, all wastes shall have a pH not less than 5. Unless otherwise stated in the Sewer Use Permit, all wastes shall have a pH not more than 10.5. If PVSC requires the installation of a continuous pH recorder, the Permittee may exceed the upper or alkaline pH limit subject to the conditions contained in subsection 317. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds, etc.

- (c) **Solids or Viscous Wastes** - Solids or viscous wastes in amounts which may cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the Treatment Works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides, or fleshings, cinders, sand, stone or marble dust, glass, etc.
- (d) **Floatable Pollutants** - (1) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through, (2) any wastes containing floatable fats, wax, grease, oils, or any other floatable pollutants, (3) any industrial wastes containing more than 100 mg/l of petroleum based oil or grease.
- (e) **Noxious Materials** - (1) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems, (2) noxious liquids, or gases, which in sufficient quantity either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- (f) **Radioactive Wastes** - Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the Treatment Works or personnel operating the system.
- (g) **Interference/Pass through** - Any waste, including discharges of oxygen demanding wastes (BOD, etc.) released or discharged at a flow rate and/or pollutant concentration which causes or threatens to cause an upset at the PVSC Treatment Works, or which causes or threatens to cause a violation of the PVSC's NJPDES Permit conditions.
- (h) **Excessive Discharge Rate** - Industrial wastes discharged in a slug or such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.
- (i) **Heat** - (1) Any discharge in excess of 150°F (65°C). (2) Heat in amounts which would inhibit biological activity in the PVSC Treatment Works resulting in a treatment process upset and subsequent loss of treatment efficiency.

- (j) **Unpolluted Waters** - Any unpolluted water including, but not limited to, cooling water and uncontaminated storm water, which will increase the hydraulic load on the Treatment System, unless specifically authorized by PVSC in accordance with Sections 301, 303, 602.5 of these Rules and Regulations.
- (k) **Dilution** - Increase in the use of process water, or an attempt in any other way, to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a pretreatment standard or effluent limit.
- (l) **Violations** - Wastes, which cause the PVSC treatment plant to violate its NJPDES Permit, applicable, receiving water standards, permit regulating sludge which is produced during treatment or any other Permit issued to PVSC.
- (m) **Ultra Hazardous Toxics** - Those wastes designated by EPA as sufficiently toxic that they shall not be discharged to the sanitary sewer in any concentrations.
- (n) **Trucked Pollutants** - Any trucked or hauled pollutants, accepted at discharge points designated by the Chief Executive Officer, and only after approval is issued by PVSC.
- (o) **Ground Water** - Any ground water, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303, and 602.5 of these Rules and Regulations.
- (p) **Stormwater** - Any stormwater, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.
- (q) **Bypassed Wastes** - Any wastewaters which would normally be monitored or pretreated, but are discharged to the sanitary sewer without being monitored or pretreated, unless specifically authorized by PVSC.
- (r) **Excess Heel Material** - Any quantity of trucked or hauled material meeting the definition as contained herein, unless authorized by PVSC.

- 1.4 The Permittee shall not discharge or convey or permit to be discharged or conveyed to the PVSC Treatment Works any wastes containing pollutants of such character or quantity that.
- (a) Impairs the PVSC's ability to protect the health and safety of the treatment plant workers.
 - (b) Will not be susceptible to treatment or will interfere with the process or efficiency of the Treatment Works.
 - (c) Violate any federal categorical pretreatment standard. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category shall conform to the USEPA timetable as well as any numeric limitations imposed by the USEPA.
 - (d) Violate a local limit imposed or adopted by the PVSC.
 - (e) Violate a Best Professional Judgment limit imposed or adopted by the PVSC.
 - (f) Cause the PVSC treatment plant to violate its NJPDES Permit, applicable receiving water standards, regulations and/or any permits governing sludge which is produced during treatment process, or any other permit issued to the PVSC.
- 1.5 The Permittee shall at all times maintain in good working order and operate all pretreatment control and monitoring equipment in strict accordance with all design specifications and manufacturer recommendations. Proper operation and maintenance includes, at a minimum, effective performance based upon specifications designed to meet applicable effluent limits, adequate funding, adequate operator staffing and training and adequate laboratory and process controls.

- 1.6. The Permittee shall dispose of all solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of the intake waters, in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to the PVSC for review upon request.

2. **INDUSTRIAL WASTE REPORTING**

- 2.1 **USER CHARGE:** User Charge monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-2). The due date for properly signed reports shall be 21 days after the reporting period ends. If the 21st day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day. If the Permittee fails to submit the MR-2 Report on a timely basis the Executive Director shall estimate the usage for the period. The estimate may be made thirty (30) days after the due date of the report.
- 2.2 **PRETREATMENT:** Pretreatment monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-1). The due date for properly signed reports, shall be 35 days after the reporting period ends. If the 35th day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day.
- 2.3 **DUE DATE:** MR-1 and MR-2 Reports must be physically delivered to the PVSC Administration office or Security office by Midnight of the date by which they are due. The use of certified mail or other means to document or guarantee delivery may be used if deemed necessary. Postmarks are not valid to demonstrate compliance with the due date requirement.

2.4 **MAILING ADDRESS:** Reports required herein must be addressed to:

**PASSAIC VALLEY SEWERAGE COMMISSION
ATTN: INDUSTRIAL DEPARTMENT
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

- 2.5 **FACSIMILE:** The Permittee may meet the requirement for submission by sending the report(s) via facsimile provided the report is received at the PVSC Administration Office between the hours of 8:30 a.m. and 4:00 p.m. on any date up to and including the due date. In addition the due date for a hard copy of the same report shall be four (4) days after the transmission of the facsimile. Failure to deliver the hard copy by the due date specified shall result in the report being considered as not having been received and shall constitute a violation of the permit.
- 2.6 **ANALYTICAL PROCEDURES:** Analytical results for BOD, TSS or any other parameter as required by this permit shall be reported on the date that the sample was removed from the sampling device for analysis. The following procedure shall be used when reporting analytical results:
- (a) the pollutant limit will define the precision, or number of digits to the right or left of the decimal point, to be reported.
 - (b) Calculated results shall be rounded off to the same precision as defined for that pollutant in the limit.
 - (c) Zeros in the pollutant limit are included in order to determine the precision.
 - (d) The following procedure shall be followed when rounding off results:
 - (i) round off by dropping digits that are irrelevant. If the digit 6,7,8 or 9 is to be dropped, increase the preceding digit by one unit.
 - (ii) If the digit 0,1,2,3 or 4 is to be dropped, do not alter the preceding digit.
 - (iii) If the digit 5 is to be dropped, round off the preceding digit to the nearest even number (2.25 becomes 2.2 while 2.35 becomes 2.4).

2.7 **RECORDING OF RESULTS:** For each measurement of a sample taken pursuant to the requirements of this permit, the Permittee shall maintain a record of the following information:

- (a) The date, exact places and time of sampling;
- (b) The dates the analysis were performed;
- (c) The person(s) who performed the analysis;
- (d) The analytical techniques or methods used; and
- (e) The results of all required analyses.

2.8 **RECORDS RETENTION:** The Permittee shall maintain such records as necessary to demonstrate compliance with the requirements of this permit, the PVSC Rules and Regulations and any applicable State or Federal Pretreatment standard or requirement. All records and information resulting from the monitoring activities required by this permit including, all records of analysis performed, calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of five years.

3. **INDUSTRIAL WASTE MONITORING**

- 3.1 **MONITORING EQUIPMENT:** The Permittee shall install, at his own cost and expense, whatever monitoring equipment is required by the conditions of this permit to facilitate the accurate observation, sampling and measurement of the discharge. Such equipment shall be kept safe, secured from unauthorized entry or tampering and accessible at all times. Monitoring equipment shall be calibrated as recommended by the manufacturer, except that LEL recorder shall be calibrated daily and pH recorders shall be calibrated at least weekly, whichever is more frequent.
- 3.2 Permittee shall safeguard any PVSC monitoring equipment that is installed at their facility. Permittee shall reimburse PVSC for any equipment that is either damaged or stolen from its point of installation. Reimbursement costs will be determined by PVSC.

- 3.3 The volume of each sample shall be proportional to the discharge flow rates unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For a continuous discharge of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of the plant waste water discharge.
- 3.4 Permittee shall notify the PVSC as soon as possible, but in no case later than 2 hours from becoming aware of the same, if a sampling, monitoring, recording or other device required in accordance with this permit becomes inoperable. Unless otherwise directed by the PVSC, the Permittee shall submit a written report to the PVSC, attention Industrial and Pollution Control Department, within 5 working days of the occurrence detailing what occurred, why it happened, what will be done to correct the problem and a date when the problem will be corrected. If the PVSC approves the corrective action and it is expected to take more than two months from the date of occurrence to complete, the Permittee shall submit monthly progress reports until such time as the problem is corrected.
- 3.5 **NOTIFICATION OF NON-COMPLIANCE:** If, for any reason, the Permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, or discharges any waste and meets the Slug Discharge Definition as defined in Appendix A of the PVSC Rules and Regulations, the Permittee shall notify the PVSC within 24 hours of such occurrence.
- 3.6 If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:
- (a) A description of the discharge and the cause of the period of noncompliance;
 - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and
 - (c) The steps being taken to reduce, eliminate and prevent a recurrence of the non-complying discharge.

- 3.7 The Permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.
- 3.8 **TEST PROCEDURES:** Samples and measurements taken as required in this permit shall be representative of the volume and nature of the monitored discharge.
- 3.9 The Permittee shall perform all analyses in accordance with the test procedures identified under 40 C.F.R. Part 136. All test procedures, other than those identified in 40 C.F.R. Part 136, shall be considered as alternative test procedures. The Permittee is authorized to utilize an alternative test procedure only if prior written approval is received from the Chief Executive Officer in accordance with Section 319.2 of the Rules and Regulations of the PVSC.
- 3.10 Sample analyses of pollutants required by this permit shall be performed by a laboratory with a New Jersey certification for each pollutant analyzed.
- 3.11 If the Permittee monitors any pollutant at the location(s) designated more frequently than required by this permit using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the applicable Discharge Monitoring Report Form (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

4. MANAGEMENT RESPONSIBILITIES

- 4.1 **RIGHT OF ENTRY:** The Permittee shall allow the authorized representatives of the PVSC, upon presentation of credentials to:
- (a) Have immediate access to all the facilities directly or indirectly connected to the PVSC Treatment Works during normal working hours and at such other times as may be necessary during emergencies as determined by PVSC. No person shall interfere with, delay, or refuse entrance to a PVSC Inspector attempting to inspect the facility.
 - (b) Inspect the monitoring equipment and monitoring methods required in this permit or to sample any discharge of wastewater, copy any records required to be kept by this permit or PVSC Rules and Regulations and inspect and/or sample RCRA or other type waste or substances.
- 4.2 **TRANSFER OF OWNERSHIP OR CONTROL:** This Permit is not transferable. This permit shall not be reassigned, transferred or sold to a new owner, new industrial user, or a new or changed operation. The Permittee shall notify the Chief Executive Officer in writing within (14) days of any sale or transfer of the industrial operations/facility covered by this Permit, or of any sale or transfer affecting the identity of those holding a controlling interest in the Permittee. The Permittee shall also provide written notice to the succeeding owner or controller of the existence of this Sewer Use Permit and the need to apply for a new permit. For purposes of this provision, the term "controlling interest" shall mean an interest held by a person or entity, or group of persons or entities, who possess, directly or indirectly, the power to direct or cause the direction of the management and policies of the Permittee.
- 4.3 **CHANGE IN DISCHARGE:** Any change in the discharge, any anticipated facility expansion, production increases, or modification which will result in new, different, or increased discharges of pollutants regulated by PVSC must be reported by submission of a new Passaic Valley Sewerage Commission Sewer Use Application. If such changes will not violate the effluent limitations specified in this permit, then notice only to PVSC of such changes is required. Following such notice the permit may be modified to specify and limit any pollutants not previously limited.

5. OTHER CONDITIONS

- 5.1 **PERMIT MODIFICATION:** After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its term for cause including, but not limited to the following:
- (a) Violating any terms or condition of this permit;
 - (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- 5.2 **TOXIC POLLUTANTS:** Notwithstanding Section A Part 2 of this permit, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307(b) of the Federal Water Pollution Control Act, its amendments, or any other subsequent law or regulation for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.

- 5.3 **CIVIL AND CRIMINAL LIABILITY:** A violation of the PVSC Rules and Regulations or a violation of any term or condition contained in this Sewer Use Permit may subject the Permittee to enforcement and civil penalties of up to \$50,000 per day for each violation, and each day's continuance of the violation shall constitute a separate violation. Enforcement may include the institution of a civil action for injunctive relief and/or to recover civil penalties and/or referral to the appropriate agency for criminal enforcement.
- 5.4 **STATE LAWS:** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, (33 U.S.C.A. § 1370) of the Federal Water Pollution Control Act as amended.
- 5.5 **PROPERTY RIGHTS:** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or Regulations.
- 5.6 **SEVERABILITY:** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

5.7 **DEFINITIONS:** The following definitions apply to this permit:

- (a) "Composite" - a combination of individual samples obtained at regular intervals over the entire discharge day.
- (b) "Daily" - each operating day.
- (c) "Daily Maximum Discharge" - the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
- (d) "Grab" - an individual sample collected in less than 15 minutes.
- (e) "Immediate Access" - access without delay but in no event beyond 10 minutes from the time the request is made known to the guard or employee.
- (f) "Monthly" - one day each month during a normal operating day.
- (g) "Monthly Average Value" - the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during the month. Results may be expressed in mass loadings per day or concentration. The monthly average value does not apply to those parameters that are continuously monitored.
- (h) "N/A" - not applicable.
- (i) "Quarterly" - every three (3) months.
- (j) "Weekly" - one day each week during a normal operating day.

**Jersey City Fire Department
Fire Safety Permit for 2011-2017**



Jersey City Fire Department

Fire Prevention Division

465 Marin Blvd.

Jersey City, New Jersey 07302

Phone # (201) 547 - 4255,56,57

Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 11-6602

Permit Fee: 500.00

Issued: August 11, 2011

Expires: August 11, 2012

Permission is hereby granted to:

AECOM ON BEHALF OF PPG INDUSTRIES INC.
30 KNIGHTSBRIDGE RD.
PISCATAWAY, NJ

The following activities are covered by this permit:

N.J.A.C. 5:70-2.7(a) 6.iii The storage, handling & processing of flammable combustible & unstable liquids in closed containers & portable tanks in aggregate amounts of more than 660 gallons.

Approval is contingent upon adherence to the following conditions:

SITE ONLY 900 GARFIELD AVE. J.C. N.J. Fire Watch shall be maintained, list of emergency #s on site fire extinguishers on location must comply with Chapter's 14, 26, 27, 30, 31, 32, 34, 35, 36, 37, 38,39,40,43 of The International Fire Code 2006

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

August 11, 2011
Date

Matthew M. Bawitt
Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department

Fire Prevention Division

465 Marin Blvd.

Jersey City, New Jersey 07302

Phone # (201) 547 - 4255,56,57

Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 11-6701

Permit Fee: 500.00

Issued: September 23, 2011

Expires: September 30, 2012

Permission is hereby granted to:

AECOM ON BEHALF OF PPF INDUSTRIES
ED BRADSHAW
30 KNIGHTSBRIDGE RD
PISCATAWAY, NEW JERSEY

The following activities are covered by this permit:

SITE ONLY 900 GARFIELD AVE J.C. N.J. FIRE WATCH shall be maintained, list of emergency #'s on site fire extinguishers on location must comply with Chapter's 14,26,27,30,31,32,34,35,36,37,38,39,40, 43 of the International Fire Code 2006

Approval is contingent upon adherence to the following conditions:

N.J.A.C. 5:70-2.7(a)6iii the storage of 93% Sulfuric Acid 2,500 gal
50% Sodium Hydroxide 2,500 gal Sodium Bisulfate 4,200 gal
Aluminum Chlorohydrate 3,500 gal

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 23, 2011

Date

Matthew M. Bauitt

Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department

Fire Prevention Division

465 Marin Blvd.

Jersey City, New Jersey 07302

Phone # (201) 547 - 4255,56,57

Fax # (201) 547 - 5733



FIRE SAFETY PERMIT

Permit Number: 12-6790

Permit Fee: 500.00

Issued: September 21, 2012

Expires: September 30, 2013

Permission is hereby granted to:

AECOM TECHNOLOGY CORP

4840 COX RD

GLEN ALLEN VA 23060-6292

The following activities are covered by this permit:

FLAMMABLE COMBUSTIBLE & INSTABLE ITEMS STORE/HANDLE

Approval is contingent upon adherence to the following conditions:

SITE ONLY 900 GARDFIELD AVE J.C. N.J.

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 21, 2012

Date

Matthew M. Bault
Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department
Fire Prevention Division
465 Marin Blvd.
Jersey City, New Jersey 07302
Phone # (201) 547 - 4255,56,57
Fax # (201) 547 - 5733



FIRE SAFETY PERMIT

Permit Number: 13-6988
Permit Fee: 500.00

Issued: September 19, 2013
Expires: September 30, 2014

Permission is hereby granted to:

AECOM TECHNOLOGY CORP
30 KNIGHTSBRIDGE RD SUITE 520
PISCATAWAY NEW JERSEY 08854
732-564-3600

The following activities are covered by this permit:

FLAMMABLE COMBUSTIBLE & INSTABLE STORE/HANDLE PERMIT

Approval is contingent upon adherence to the following conditions:

SEE ATTACHED INSTRUCTION FOR SITE ONLY 900 GARFIELD AVE J.C. N.J.

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

October 2, 2013
Date

D. Nuber
Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department
Fire Prevention Division
465 Marin Blvd.
Jersey City, New Jersey 07302
Phone # (201) 547 - 4255,56,57
Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 14-7943
Permit Fee: 500.00

Issued: September 19, 2014
Expires: September 30, 2015

Permission is hereby granted to:

AECOM TECHNOLOGY CORPORATION
4840 COX ROAD
GLEN ALLEN, VA 23060
804-515-8300

The following activities are covered by this permit:

SITE ONLY: 900 GARFIELD AVE

Approval is contingent upon adherence to the following conditions:

FLAMMABLE COMBUSTIBLE & UNSTABLE STORE HANDLE PERMIT
SEE ATTACHED INSTRUCTION

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 19, 2014
Date

Dennis Nuber
Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department

Fire Prevention Division

465 Marin Blvd.

Jersey City, New Jersey 07302

Phone # (201) 547 - 4255,56,57

Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 15-1901
Permit Fee: 500.00

Issued: September 28, 2015
Expires: September 30, 2016

Permission is hereby granted to: **AECOM TECHNOLOGY CORPORATION**
4840 COX ROAD
GLEN ALLEN, VA 23060

The following activities are covered by this permit:

SITE ONLY: 900 GARFIELD AVE

Approval is contingent upon adherence to the following conditions:

FLAMMABLE COMBUSTIBLE & UNSTABLE ITEMS PERMIT

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 28, 2015
Date

Matthew M. Baur
Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department
Fire Prevention Division
465 Marin Blvd.
Jersey City, New Jersey 07302
Phone # (201) 547 - 4255,56,57
Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 16-9657
Permit Fee: 125.00

Issued: September 27, 2016
Expires: September 30, 2017

Permission is hereby granted to:

AECOM TECHNOLOGY CORP
30 KNIGHTSBRIDGE ROAD
PISCATAWAY, NJ, 08854

The following activities are covered by this permit:

SITE ONLY: 900 GARFIELD AVE

Approval is contingent upon adherence to the following conditions:

TYPE 1 PERMIT THE STORAGE AND HANDLING OF GASOLINE IN
CLOSED CONTAINERS NOT MORE THAN 660 GALLONS.

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 27, 2016
Date



Fire Inspector

**THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.**

**FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT**



Jersey City Fire Department
Fire Prevention Division
465 Marin Blvd.
Jersey City, New Jersey 07302
Phone # (201) 547 - 4255,56,57
Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 16-9658
Permit Fee: 500.00

Issued: September 27, 2016
Expires: September 30, 2017

Permission is hereby granted to:

AECOM TECHNOLOGY CORP
30 KNIGHTSBRIDGE ROAD
PISCATAWAY, NJ, 08854

The following activities are covered by this permit:

SITE ONLY: 900 GARFIELD AVE

Approval is contingent upon adherence to the following conditions:

TYPE 4 PERMIT: TO STORE OR HANDLE MORE THAN 55 GALLONS OF CORROSIVE LIQUIDS

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 27, 2016
Date



Fire Inspector

**THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.**

**FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT**



Jersey City Fire Department

Fire Prevention Division

465 Marin Blvd.

Jersey City, New Jersey 07302

Phone # (201) 547 - 4255,56,57

Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 17-0366

Permit Fee: 500.00

Issued: September 22, 2017

Expires: September 30, 2018

Permission is hereby granted to:

AECOM TECHNOLOGY CORP
30 KNIGHTSBRIDGE ROAD
PISCATAWAY, NJ, 08854

The following activities are covered by this permit:

SITE ONLY: 900 GARFIELD AVE

Approval is contingent upon adherence to the following conditions:

TYPE 4 PERMIT: TO STORE OR HANDLE MORE THAN 55 GALLONS OF CORROSIVE LIQUIDS

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 22, 2017

Date

Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT



Jersey City Fire Department

Fire Prevention Division

465 Marin Blvd.

Jersey City, New Jersey 07302

Phone # (201) 547 - 4255,56,57

Fax # (201) 547 - 5733

FIRE SAFETY PERMIT

Permit Number: 17-0367

Permit Fee: 125.00

Issued: September 22, 2017

Expires: September 30, 2018

Permission is hereby granted to:

AECOM TECHNOLOGY CORP
30 KNIGHTSBRIDGE ROAD
PISCATAWAY, NJ, 08854

The following activities are covered by this permit:

SITE ONLY: 900 GARFIELD AVE

Approval is contingent upon adherence to the following conditions:

TYPE 1 PERMIT THE STORAGE AND HANDLING OF GASOLINE IN
CLOSED CONTAINERS NOT MORE THAN 660 GALLONS.

NOTE: This is a Fire Safety Permit ONLY.

It is the Applicant's responsibility to comply with other applicable health, police, building or construction requirements.

September 22, 2017

Date

Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED
AT THE SITE FOR THE DURATION OF THE ACTIVITY.

FAILURE TO COMPLY WITH THE FIRE CODE
REQUIREMENTS OR ANY CONDITION SET FORTH
ABOVE IS CAUSE FOR REVOCATION OF THIS PERMIT

Water Use Registration



State of New Jersey

Department of Environmental Protection

*DIVISION OF WATER SUPPLY
WATER SUPPLY PERMITTING
BUREAU OF WATER ALLOCATION
P.O. BOX 426
TRENTON, NEW JERSEY 08625-0426
TEL.# 609-292-2957
FAX.# 609-633-1495*

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

June 30, 2010

PPG Site 114
4325 Rosanna Drive
ALLISON PARK, PA 15101
Attn: Brian G. McGuire

Dear Mr. McGuire:

Re: **Water Use Registration - New
Program Interest ID: 11345W
Activity No. WUR100001**

Enclosed is a Water Use Registration issued pursuant to N.J.S.A. 58:1A et seq. This Water Use Registration becomes effective on July 1, 2010 and is to divert water from dewatering trench in the following Municipalities and Counties:

MUNICIPALITY	COUNTY
Jersey City	Hudson

This registration provides valuable data on water use which assists the Bureau in effectively managing the State's water resources. The diversion of more than 100,000 gpd requires a Water Allocation Permit. This registration allows for a total diversion (from all sources combined) up to 100,000 gallons of water per day.

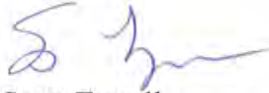
The issuance of this water use registration does not imply that any further approvals will be granted by the Department of Environmental Protection for the diversion of water in excess of 100,000 gallons of water per day (gpd) for use at this facility. Any construction activities undertaken by the registrant, that may require the use of water in excess of 100,000 gpd, are done so at the registrant's own risk.

11345W is your Program Interest ID and WUR100001 is your Permit Activity Number, and will appear on all forms and correspondence from the Bureau of Water Allocation. Reference your Program Interest ID and Activity No. in all correspondence.

Review the enclosed Water Use Registration to ensure its accuracy and your understanding of the conditions contained therein. If any of the information contained in this registration is incomplete or incorrect notify the Bureau in writing so your file can be updated.

If you have any questions, contact Ken Komar at (609) 292-2957.

Sincerely,



Scott Tyrrell
Section Chief
Bureau of Water Allocation

Enclosures

Certified Mail No.: 7007 0220 0002 1055 0469

c: Northern Bureau of Water Compliance & Enforcement
Ken Komar, BWA



State of New Jersey
Department of Environmental Protection
Bureau of Water Allocation
PO Box 426, Trenton, New Jersey 08625-0426



Water Use Registration

The New Jersey Department of Environmental Protection grants this permit* in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents.

Program Interest ID: 11345W Permit Number: WUR100001	Issuance Date: 06/30/2010	Effective Date: 07/01/2010	
Name and Address of Applicant PPG SITE 114 4325 Rosanna Drive ALLISON PARK, PA 15101	Location of Activity/Facility Jersey City Hudson		
	Type of Permit Water Use Registration - New	Statute(s) N.J.S.A. 58:1A-1	

This water use registration grants permission to divert water from the approved sources in the attached permit inventory, in the following municipalities, for the following water uses:

MUNICIPALITY Jersey City	COUNTY Hudson	Water Uses: Pollution Control
------------------------------------	-------------------------	--------------------------------------

This water use registration is subject to the attached Conditions.

* Permit means Certification, Approval, Registration, Equivalency, etc.

Permit Inventory

Water Diversion Sources - Water may be diverted under this permit from the following sources:

Source Designation (Well Permit No. or Intake No.)	Description	Subject Item ID
DEWATERING/ TRENCH SOURCES	EXCAVATION TRENCH	WSRM0000919299

Group Subject Items - The following items are grouped sources for the purpose of setting permit requirements outlined in this document:

Group Designation	Group Description	Group Subject Item ID	Group Members
PPG SITE 114	11345W WU REG - ALL DIVERSION SOURCES	WSWA0000919300	DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase from 07/01/2010 -

Subject Item	Parameter	Limit
PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)	Water Diverted	< 3.1 Million Gallons Per Month. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase from 07/01/2010 -

Subject Item	Parameter	Limit
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Rated Pump Capacity	<= 300 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase from 07/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	The monthly diversion for each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter

Record Keeping Requirements

Final Permit Phase from 07/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)	A log book of the monthly hours of operation for each authorized non-metered diversion source shall be maintained on site. [N.J.A.C. 7:19- 2]	Each Month	Hours of Operation	Log Book

Submittal/Action Requirements

Final Permit Phase from 07/01/2010 -

Applicable Subject Items	Submittal/Action Type	Requirement
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Submit Annual Water Use Report	The required monitoring results shall be recorded on the form provided by the Department. The completed report shall be submitted by January 31st of each year. [N.J.A.C. 7:19- 2]
PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)	Submit Water Use Registration Metering Form	The completed form must be submitted within 60 days from the effective date of this document. [N.J.A.C. 7:19- 2]
DEWATERING/ TRENCH SOURCES, EXCAVATION TRENCH (WSRM919299)	Submit Proof of Flow Meter Calibration	Proof of flow meter calibration for the specified diversion source(s) shall be submitted prior to placing the source into operation. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)

1. The total diversion from all sources shall not exceed or equal 3.1 million gallons per month (mgm). Any exceedance of this limit will be considered a violation of N.J.A.C. 7:19-1.4 et seq. and may result in penalties (fines). [N.J.A.C. 7:19-18]
2. The issuance of this water use registration does not imply that any further approvals will be granted by the Bureau of Water Allocation for the diversion of water in excess of 100,000 gallons of water per day (gpd) for use at this facility. Any construction activities undertaken by the registrant, that may require the use of water in excess of 100,000 gpd, are done so at the registrant's own risk. [N.J.A.C. 7:19- 2]
3. This registration does not waive the obtaining of any Federal or other State or local government consent when necessary. [N.J.A.C. 7:19- 2]
4. All diversion sources shall be metered with a totalizing flow meter prior to use authorized by this Water Use Registration. [N.J.A.C. 7:19- 2]
5. All diversion source meters are required to be calibrated at least once every five years. [N.J.A.C. 7:19- 2]
6. All wells shall be equipped with a metal tag showing the well permit numbers, as listed in the permit inventory, or the permit numbers must be painted on the well casing. [N.J.A.C. 7:19- 2]
7. Wells which are no longer used must be decommissioned in accordance with N.J.A.C. 7:9D-3.1 et seq. [N.J.A.C. 7:9D-3]
8. The addition of a new diversion source requires prior approval by the Department through a modification of the registration. [N.J.A.C. 7:19- 2]
9. The pumping equipment capacity shall not be increased without prior approval by the Department. [N.J.A.C. 7:19- 2]
10. The issuance of this registration shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application. [N.J.A.C. 7:19- 2]
11. The granting of this registration shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:19- 2]
12. A copy of this registration shall be kept at the work site, and shall be exhibited upon request of any person. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

PPG SITE 114, 11345W WU REG - ALL DIVERSION SOURCES (WSWA919300)

13. The Department has the right to enter and inspect any site, building, or equipment, or any portion thereof, owned or operated by the registrant, at any time, in order to ascertain compliance or noncompliance with N.J.S.A. 58:1A-1 et seq., 58:4A-4.1 et seq., 58:12A-1 et seq., these rules, or any other agreement or order issued or entered into pursuant thereto. Such right shall include, but not be limited to, the right to require the testing of any equipment at the facility, to sketch or photograph any portion of the site, building or equipment, to copy or photograph any document or records necessary to determine such compliance or noncompliance, and to interview any employees or representative of the owner, operator, or registrant. Such right shall be absolute and shall not be conditioned upon any action by the Department, except the presentation of appropriate credentials as requested and compliance with appropriate standard safety procedures. [N.J.A.C. 7:19- 2]
14. The registrant shall protect each diversion source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER ALLOCATION
P.O. BOX 426
TRENTON, NJ 08625
(609) 292-2957

WATER USE REGISTRATION METERING FORM

This form is to be completed within 60 days of receipt of your registration number or within 60 days of completion of your diversion source, whichever occurs last. All diversions must be metered, with a totalizing flow meter, at the source.

REGISTRATION NUMBER	_____	COMPANY	_____
CONTACT PERSON	_____	ADDRESS	_____
PHONE NUMBER	_____		_____

1. Complete the following information for all diversion sources. (wells, ponds, stream intakes)

Source	Well Permit No.	Meter Type	Manufacturer	Date Installed

2. Provide details of the proposed schedule for calibration of each meter. All meters must be calibrated at least once every five years.

Meter readings must be taken and recorded at the beginning of every month, so the monthly usage can be tracked accurately.



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

Compliance and Enforcement
Mail Code 401-04B
P. O. Box 420
Trenton, New Jersey 08625-0420

BOB MARTIN
Commissioner

June 12, 2015

PPG SITE 114
4325 Rosanna Dr,
Allison Park, PA 15101

Reference: PPG SITE 114
PROGRAM INTEREST ID # 11345W
PROGRAM: Water Supply
INSPECTION DATE: May 27, 2015
Compliance Inspection # SCI 150001

Dear Sir or Madame:

On May 27, 2015, an inspection was conducted at your facility/site by John Zuzeck, of the Water Supply program. The inspector determined that your facility was in compliance with applicable Department regulations and/or Permit conditions. Therefore, the Department now considers this inspection closed.

Please note this letter pertains only to the observations of the equipment/area/conditions that were part of the inspection that occurred on May 27, 2015.

You may review the inspection report online at www.nj.gov/dep/inspections. Once you have accessed DEP's web site, please follow the instructions on the reverse side of page 2 of the enclosure. This web site also gives you the opportunity to provide us feedback about our operations. We would appreciate your input and will share all results with you upon your completion of a survey.

The Department appreciates the continued operation of your facility/site in an environmentally responsible manner.

If you have any questions regarding this inspection or correspondence, please contact John Zuzeck, of the Water Supply program, at (973) 656-4099.

Very truly yours,

John Giordano
Assistant Commissioner

Enclosure

Dewatering Permit-By-Rule – Southwest Area

March 13, 2013

Via Registered Certified Mail

Mail Code 401-03
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420
Tel: (609) 984-6831

**Subject: Dewatering Permit-By-Rule Extension
Phase I Southwest Technical Execution Plan Area
PPG Site 114, 880-900 Garfield Avenue
Formerly Blocks 2026.A; 2026.1, Lots 1 & 3A; 2A, 4A & 3B
Currently Block 21501; Lots 16, 17, 18, 19, & 20
Jersey City, Hudson County, New Jersey**

Dear Sir or Madam:

On behalf of PPG Industries, Inc. ("PPG"), AECOM is submitting a second revision of the Dewatering Permit-By-Rule ("PBR") for the Phase I Southwest Technical Execution Plan Area for the above referenced property, which is currently enclosed in shoring. The diversion is necessary to facilitate soil excavation/remediation in this portion of the property. The estimated completion date on the revised Dewatering PBR was March 31, 2013; this date will need to be extended to May 31, 2013. Attached is the completed application form and attachments.

If you have any further questions or require additional information, please contact the undersigned.

Yours sincerely,



Hue Quan, P.E.
Project Engineer
Hue.Quan@aecom.com



Christopher Martell
Project Manager
Christopher.Martell@aecom.com

Attachment: Dewatering Permit-By-Rule

cc via email: C. MacPhee, AECOM
B. McGuire, PPG
P. Sorge, JM Sorge on behalf of Hampshire Group
C. Daggett, The Dodge Foundation
B. Delisle, JCRA
W. Matsikoudis, JC
R. Blackman, PSEG



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-03
DIVISION OF WATER SUPPLY & GEOSCIENCE
BUREAU OF WATER ALLOCATION & WELL PERMITTING
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
(609) 984-6831



DEWATERING PERMIT-BY-RULE

This form, once it is completed and submitted, constitutes a permit-by-rule for the diversion of 100,000 gallons of water per day or more associated with temporary dewatering utilizing a coffer dam or similar work where the impacts of dewatering are contained within a confined area. This form must be submitted 30 days prior to the start of the diversion activity.

In accordance with N.J.A.C. 7:19-2.17(b)2, any well or surface water supply system which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a result of this diversion shall be repaired or replaced at the expense of the owner of the project.

1. General Information

Owner/Facility Name PPG Site 114

Address 880-900 Garfield Avenue

Formerly 2026.A; 2026.1, Lots 1&3A; 2A,2A&3B /Currently Block 21501; Lots 16,17, 18, 19, & 20

Contact Name Hue Quan Telephone No. 732-564-3631

Estimated Start Date July 9, 2012 - continuation Estimated Completion Date 5/31/2013
of previous Permit-by-Rule

Location:

Municipality Jersey City County Hudson

Depth to water at the site 2 ' to 4 ' Depth of excavations 5 ' to 35 '

Limit of dewatering (depth) 5 to 35 ' depending of depth of excavation

Diversion is to be used for the following purpose: Dewatering excavation within enclosed shoring for
Phase I Southwest TEP Area.

An 8-1/2" x 11" photocopy of the portion of the USGS quadrangle map indicating the exact location of the diversion sources must be attached.

2. Diversion Sources:

a. Wells/Wellpoints

Dewatering System/ Well Permit No.	Well Name	Depth (feet)	Screen Interval	Capacity (gpm)	Formation
<u>See Attached Table</u>	_____	_____	_____	_____	<u>Shallow zone/Piedmont</u>
_____	_____	_____	_____	_____	<u>physiographic province along</u>
_____	_____	_____	_____	_____	<u>eastern edge of Newark Basin</u>

b. Trenches/Pits

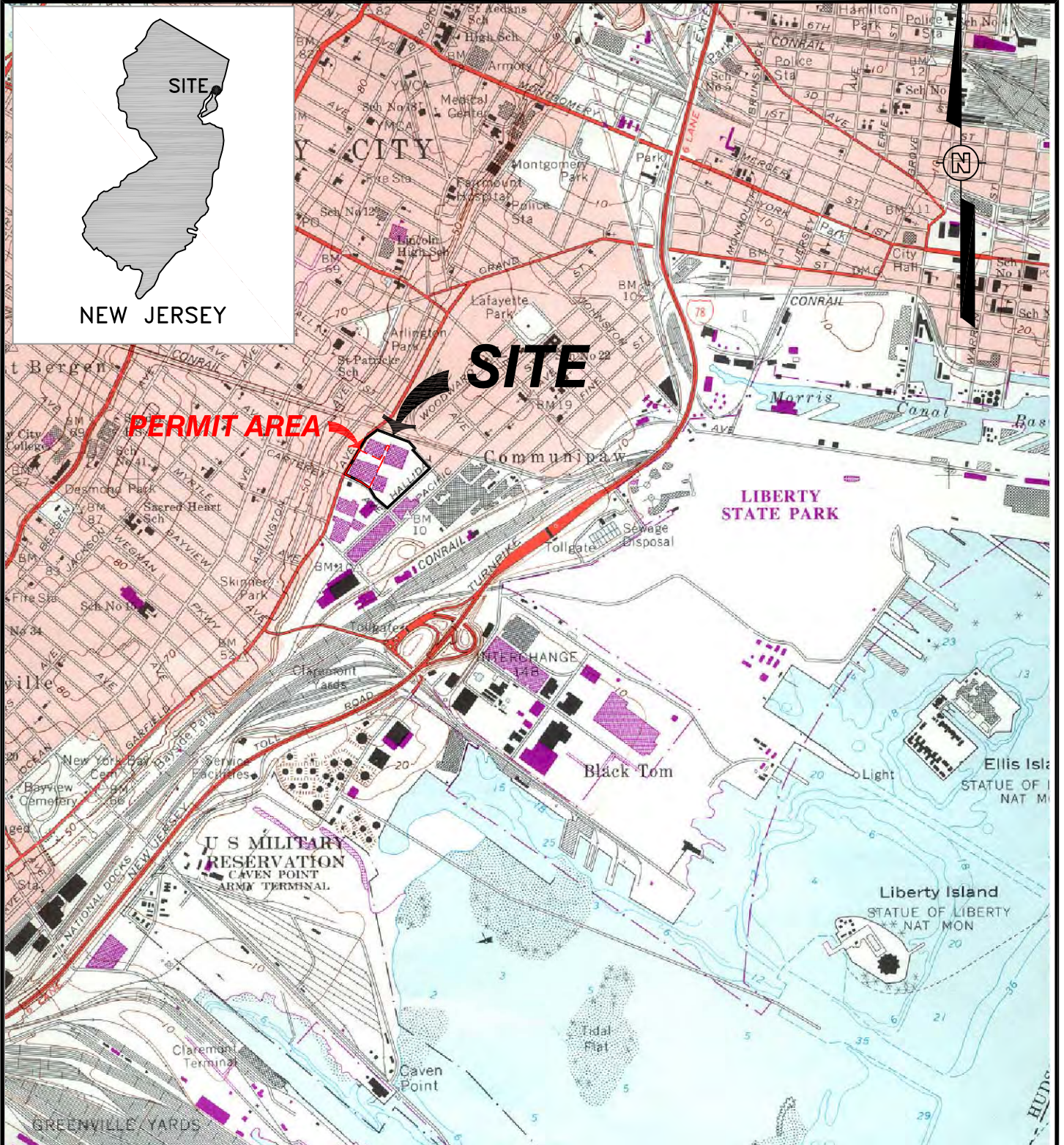
Length of Trench	Depth	Pump Capacity	Formation
<u>See Attached Table</u>	_____	_____	<u>Shallow zone/Piedmont</u>
_____	_____	_____	<u>physiographic province along</u>
_____	_____	_____	<u>eastern edge of Newark Basin</u>

The owner is also responsible for:

- notifying their local Health Department of the proposed diversion;
- notifying all well owners within the estimated zone of influence of the diversion;
- investigating valid complaints of interference and reporting to the Bureau of Water Allocation & Well Permitting on the findings. Wells which have been adversely impacted as a result of the diversion shall be repaired or replaced.

A COPY OF THIS COMPLETED FORM MUST BE KEPT AT THE WORKSITE AS NO FORMAL PERMIT WILL BE ISSUED FOR THIS ACTIVITY.

J:\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\DWGS\Permit Drawings\PBR-Dewatering.dwg



SOURCE: U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF JERSEY CITY, NEW JERSEY DATED 1967, PHOTOREVISED 1981.



DEWATERING PERMIT-BY-RULE
 PPG INDUSTRIES – GARFIELD AVENUE
 PROJECT AREA, JERSEY CITY
 HUDSON COUNTY, NEW JERSEY

FIGURE NUMBER:

1

AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 Web: <http://www.aecom.com>

DRAWN BY: RMT	DATE: 06/04/12	PROJECT NUMBER: 60240740	SHEET NUMBER: 1 of 1
------------------	-------------------	-----------------------------	-------------------------

Water Use Registration Update

State Well Permit No.	Well Local Name	GPS or Surveyed (S)	Site Elevation (NAVD88)	Location Description of Temporary		Existing (E) Decomissioned (D)
				Easting	Northing	
E201201547	CAN-20	S	12.8	611160.2	683489.6	E
E201201548	CAN-21	S	12.0	611211.5	683459.7	E
E201200559	CAN-22	S	13.4	611132.7	683426.2	E
E201200560	CAN-23	S	13.4	611179.6	683411.4	E
E201200561	CAN-24	S	13.9	611105.7	683382.8	E
E201200562	CAN-25	S	14.2	611151.6	683361.5	E
E201200563	CAN-26	S	13.8	611081.2	683330.9	E
E201200564	CAN-27	S	13.5	611119.9	683311.2	E
E201200565	CAN-28	S	13.6	611052.4	683277.8	E
E201200566	CAN-29	S	13.5	611087.4	683256.5	E
E201200567	CAN-30	S	13.5	611023.6	683223.4	E
E201200568	CAN-31	S	13.6	611057.1	683204.2	E
E201200569	CAN-32	GPS	13.53	610983.23	683174.40	E
E201200570	CAN-33	S	13.0	611025.6	683157.4	E
E201200587	REL-6	S	11.9	611180.4	683559.2	E
E201200588	REL-7	S	10.4	611198.8	683599.8	E
E201200589	REL-8	S	11.0	611225.8	683652.1	E
E201200590	REL-9	S	10.8	611252.6	683706.1	E
E201200584	REL-10	S	11.7	611269.3	683778.9	E
E201200585	REL-11	S	11.8	611309.4	683765.3	E
E201200586	REL-12	S	11.3	611337.4	683750.6	E
E201201549	REL-13	S	11.6	611358.5	683724.2	E
E201201550	REL-14	S	12.5	611329.4	683668.7	E
E201201551	REL-15	S	12.6	611298.5	683621.5	E
E201201552	REL-16	S	12.2	611272.2	683569.6	E
E201201553	REL-17	S	12.3	611243.7	683490.7	E
E201201554	REL-18	S	11.8	611229.6	683455.0	E
E201200571	REL-19	S	13.1	611197.8	683398.6	E
E201200572	REL-20	S	13.7	611175.1	683348.7	E
E201200573	REL-21	S	13.2	611136.6	683298.6	E
E201200574	REL-22	S	13.5	611096.4	683241.9	E
E201200575	REL-23	S	13.1	611076.5	683204.8	E
E201200576	REL-24	S	12.9	611038.1	683148.1	E

March 13, 2013

Via Registered Certified Mail

Mr. Harry Melendez, Director
Department of Health & Human Services
1 Journal Square Plaza
Jersey City, NJ 07306
Tel: (201) 547-6800
Fax: (201) 547-5168

**Subject: Notification of Dewatering Permit-By-Rule Extension
Phase I Southwest Technical Execution Plan Area
PPG Site 114, 880-900 Garfield Avenue
Formerly Blocks 2026.A; 2026.1, Lots 1 & 3A; 2A, 4A & 3B
Currently Block 21501; Lots 16, 17, 18, 19, & 20
Jersey City, Hudson County, New Jersey**

Dear Mr. Melendez,

On behalf of PPG Industries, Inc. ("PPG"), AECOM is notifying the City of Jersey City Department of Health & Human Services that updated Dewatering Permit-By-Rule ("PBR") for the Phase I Southwest Technical Execution Plan Area will be submitted to the New Jersey Department of Environmental Protection ("NJDEP") for the above referenced property. The updated PBR reflects a new estimated completion date of May 31, 2013. Attached is the completed application form and attachments for your reference.

If you have any further questions or require additional information, please contact the undersigned.

Yours sincerely,



Hue Quan, P.E.
Project Engineer
Hue.Quan@aecom.com



Christopher Martell
Project Manager
Christopher.Martell@aecom.com

Attachment: Dewatering Permit-By-Rule

cc via email: C. MacPhee, AECOM
B. McGuire, PPG
P. Sorge, JM Sorge on behalf of Hampshire Group
C. Daggett, The Dodge Foundation
B. Delisle, JCRA
W. Matsikoudis, JC
R. Blackman, PSEG



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-03
DIVISION OF WATER SUPPLY & GEOSCIENCE
BUREAU OF WATER ALLOCATION & WELL PERMITTING
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
(609) 984-6831



DEWATERING PERMIT-BY-RULE

This form, once it is completed and submitted, constitutes a permit-by-rule for the diversion of 100,000 gallons of water per day or more associated with temporary dewatering utilizing a coffer dam or similar work where the impacts of dewatering are contained within a confined area. This form must be submitted 30 days prior to the start of the diversion activity.

In accordance with N.J.A.C. 7:19-2.17(b)2, any well or surface water supply system which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a result of this diversion shall be repaired or replaced at the expense of the owner of the project.

1. General Information

Owner/Facility Name PPG Site 114

Address 880-900 Garfield Avenue

Formerly 2026.A; 2026.1, Lots 1&3A; 2A,2A&3B /Currently Block 21501; Lots 16,17, 18, 19, & 20

Contact Name Hue Quan Telephone No. 732-564-3631

Estimated Start Date July 9, 2012 - continuation Estimated Completion Date 5/31/2013
of previous Permit-by-Rule

Location:

Municipality Jersey City County Hudson

Depth to water at the site 2 ' to 4 ' Depth of excavations 5 ' to 35 '

Limit of dewatering (depth) 5 to 35 ' depending of depth of excavation

Diversion is to be used for the following purpose: Dewatering excavation within enclosed shoring for
Phase I Southwest TEP Area.

An 8-1/2" x 11" photocopy of the portion of the USGS quadrangle map indicating the exact location of the diversion sources must be attached.

2. Diversion Sources:

a. Wells/Wellpoints

Dewatering System/ Well Permit No.	Well Name	Depth (feet)	Screen Interval	Capacity (gpm)	Formation
<u>See Attached Table</u>	_____	_____	_____	_____	<u>Shallow zone/Piedmont</u>
_____	_____	_____	_____	_____	<u>physiographic province along</u>
_____	_____	_____	_____	_____	<u>eastern edge of Newark Basin</u>

b. Trenches/Pits

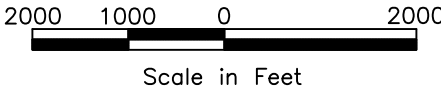
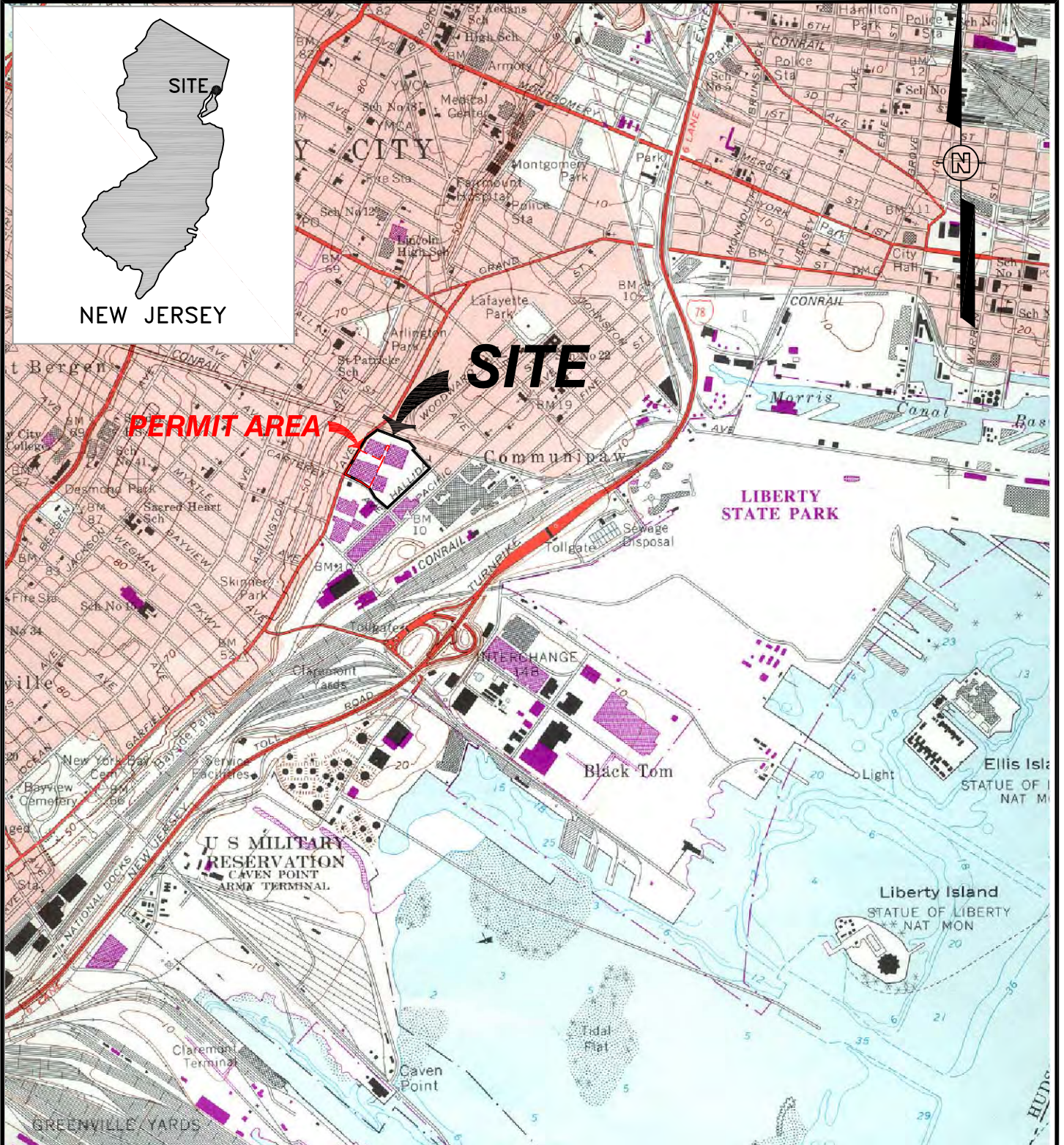
Length of Trench	Depth	Pump Capacity	Formation
<u>See Attached Table</u>	_____	_____	<u>Shallow zone/Piedmont</u>
_____	_____	_____	<u>physiographic province along</u>
_____	_____	_____	<u>eastern edge of Newark Basin</u>

The owner is also responsible for:

- notifying their local Health Department of the proposed diversion;
- notifying all well owners within the estimated zone of influence of the diversion;
- investigating valid complaints of interference and reporting to the Bureau of Water Allocation & Well Permitting on the findings. Wells which have been adversely impacted as a result of the diversion shall be repaired or replaced.

A COPY OF THIS COMPLETED FORM MUST BE KEPT AT THE WORKSITE AS NO FORMAL PERMIT WILL BE ISSUED FOR THIS ACTIVITY.

J:\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\DWGS\Permit Drawings\PBR-Dewatering.dwg



SOURCE: U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF JERSEY CITY, NEW JERSEY DATED 1967, PHOTOREVISED 1981.



DEWATERING PERMIT-BY-RULE
PPG INDUSTRIES – GARFIELD AVENUE
PROJECT AREA, JERSEY CITY
HUDSON COUNTY, NEW JERSEY

FIGURE NUMBER:

1

AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
Web: <http://www.aecom.com>

DRAWN BY: RMT	DATE: 06/04/12	PROJECT NUMBER: 60240740	SHEET NUMBER: 1 of 1
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Water Use Registration Update

State Well Permit No.	Well Local Name	GPS or Surveyed (S)	Site Elevation (NAVD88)	Location Description of Temporary		Existing (E) Decomissioned (D)
				Easting	Northing	
E201201547	CAN-20	S	12.8	611160.2	683489.6	E
E201201548	CAN-21	S	12.0	611211.5	683459.7	E
E201200559	CAN-22	S	13.4	611132.7	683426.2	E
E201200560	CAN-23	S	13.4	611179.6	683411.4	E
E201200561	CAN-24	S	13.9	611105.7	683382.8	E
E201200562	CAN-25	S	14.2	611151.6	683361.5	E
E201200563	CAN-26	S	13.8	611081.2	683330.9	E
E201200564	CAN-27	S	13.5	611119.9	683311.2	E
E201200565	CAN-28	S	13.6	611052.4	683277.8	E
E201200566	CAN-29	S	13.5	611087.4	683256.5	E
E201200567	CAN-30	S	13.5	611023.6	683223.4	E
E201200568	CAN-31	S	13.6	611057.1	683204.2	E
E201200569	CAN-32	GPS	13.53	610983.23	683174.40	E
E201200570	CAN-33	S	13.0	611025.6	683157.4	E
E201200587	REL-6	S	11.9	611180.4	683559.2	E
E201200588	REL-7	S	10.4	611198.8	683599.8	E
E201200589	REL-8	S	11.0	611225.8	683652.1	E
E201200590	REL-9	S	10.8	611252.6	683706.1	E
E201200584	REL-10	S	11.7	611269.3	683778.9	E
E201200585	REL-11	S	11.8	611309.4	683765.3	E
E201200586	REL-12	S	11.3	611337.4	683750.6	E
E201201549	REL-13	S	11.6	611358.5	683724.2	E
E201201550	REL-14	S	12.5	611329.4	683668.7	E
E201201551	REL-15	S	12.6	611298.5	683621.5	E
E201201552	REL-16	S	12.2	611272.2	683569.6	E
E201201553	REL-17	S	12.3	611243.7	683490.7	E
E201201554	REL-18	S	11.8	611229.6	683455.0	E
E201200571	REL-19	S	13.1	611197.8	683398.6	E
E201200572	REL-20	S	13.7	611175.1	683348.7	E
E201200573	REL-21	S	13.2	611136.6	683298.6	E
E201200574	REL-22	S	13.5	611096.4	683241.9	E
E201200575	REL-23	S	13.1	611076.5	683204.8	E
E201200576	REL-24	S	12.9	611038.1	683148.1	E

Dewatering Permit-By-Rule – Phase 1C

April 4, 2014

Via Registered Certified Mail

Mail Code 401-03
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420
Tel: (609) 984-6831

**Subject: Dewatering Permit-By-Rule Revision
Phase 1C TEP Area
PPG Site 114, 880-900 Garfield Avenue
Formerly Blocks 2026.A; 2026.1, Lots 1 & 3A; 2A, 4A & 3B
Currently Block 21501; Lots 16, 17, 18, 19, & 20
Jersey City, Hudson County, New Jersey**

Dear Sir or Madam:

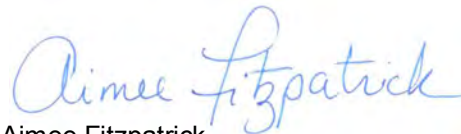
On behalf of PPG Industries, Inc. ("PPG"), AECOM is submitting another revised Dewatering Permit-By-Rule for the Phase 1C Technical Execution Plan ("TEP") Area for the above referenced property, which was enclosed in shoring prior to start of dewatering activities. The diversion is necessary to facilitate soil excavation/remediation in this portion of the property. The estimated start date on the revised Dewatering PBR was July 16, 2013 and the estimated completion date was March 30, 2014. The estimated start and completion dates will be revised to October 4, 2013 and August 30, 2014, respectively, to accommodate a schedule delay due to settlement issues encountered during sheeting installation and excavation. Attached is the completed application form and attachments.

If you have any further questions or require additional information, please contact the undersigned.

Yours sincerely,



Hue Quan, P.E.
Project Engineer

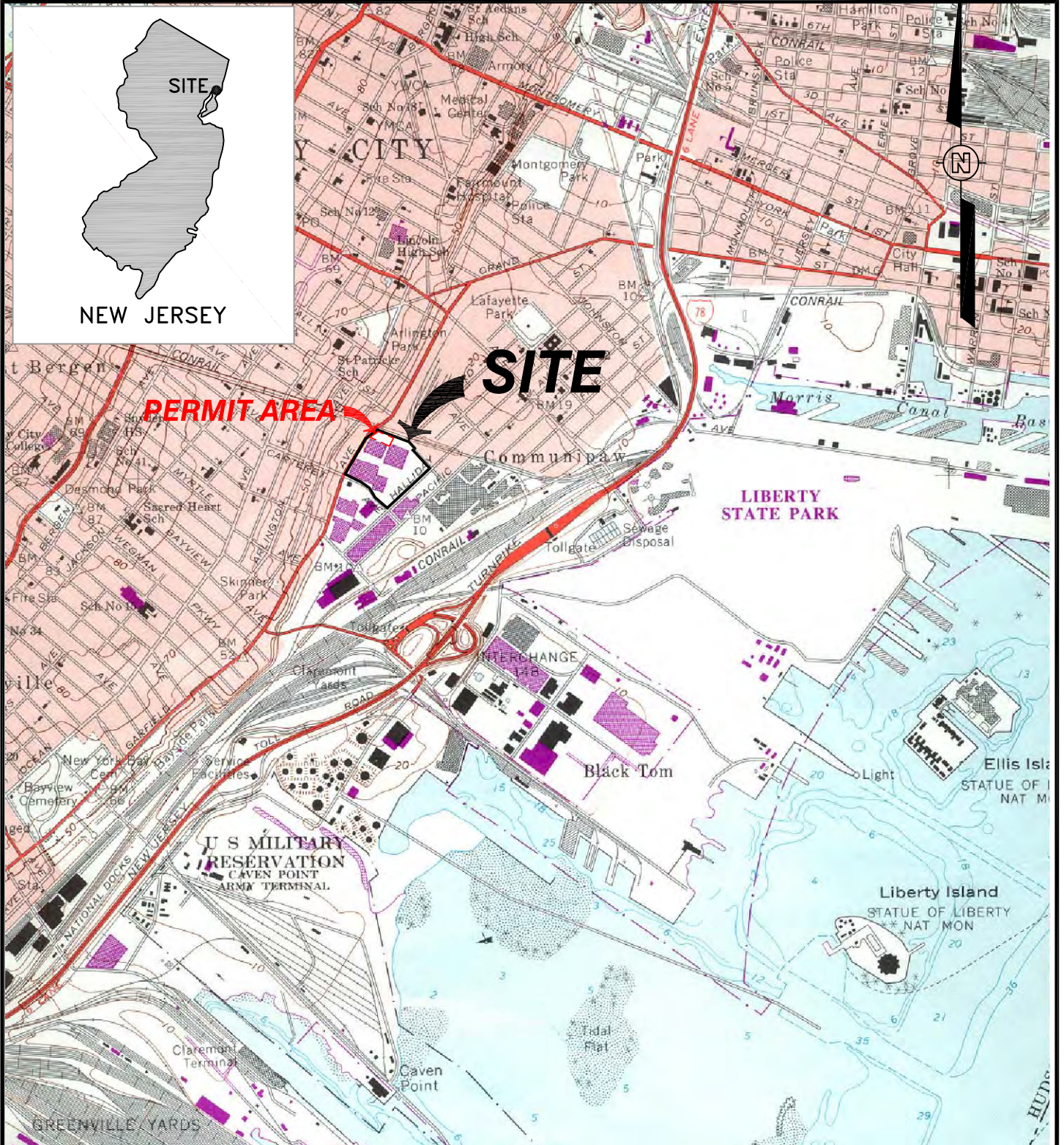


Aimee Fitzpatrick
Project Manager

Attachment: Dewatering Permit-By-Rule

cc via email: M. Hayden, AECOM
B. McGuire, PPG
P. Sorge, JM Sorge on behalf of Hampshire Group
C. Daggett, The Dodge Foundation
B. Delisle, JCRA
J. Farrell, JC
R. Blackman, PSEG

\\Uswt1fp001\jobs\Rem_Eng\Project_Files\PPG_Industries\Garfield Avenue\30% Design\CADD\DWGS\Permit Drawings\PR-Dewatering-Phase1C.dwg



2000 1000 0 2000
Scale in Feet

SOURCE: U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF JERSEY CITY, NEW JERSEY DATED 1967, PHOTOREVISED 1981.



DEWATERING PERMIT-BY-RULE
PPG INDUSTRIES – GARFIELD AVENUE
PROJECT AREA, JERSEY CITY
HUDSON COUNTY, NEW JERSEY

FIGURE NUMBER:

1

AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
Web: <http://www.aecom.com>

DRAWN BY: RMT	DATE: 06/04/12	PROJECT NUMBER: 60240740	SHEET NUMBER: 1 of 1
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-03
DIVISION OF WATER SUPPLY & GEOSCIENCE
BUREAU OF WATER ALLOCATION & WELL PERMITTING
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
(609) 984-6831



DEWATERING PERMIT-BY-RULE

This form, once it is completed and submitted, constitutes a permit-by-rule for the diversion of 100,000 gallons of water per day or more associated with temporary dewatering utilizing a coffer dam or similar work where the impacts of dewatering are contained within a confined area. This form must be submitted 30 days prior to the start of the diversion activity.

In accordance with N.J.A.C. 7:19-2.17(b)2, any well or surface water supply system which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a result of this diversion shall be repaired or replaced at the expense of the owner of the project.

1. General Information

Owner/Facility Name PPG Site 114
 Address 880-900 Garfield Avenue
Formerly 2026.A; 2026.1, Lots 1&3A; 2A,4A&3B /Currently Block 21501; Lots 16,17, 18, 19, & 20
 Contact Name Hue Quan Telephone No. 732-564-3631
 Estimated Start Date October 4, 2013 Estimated Completion Date August 30, 2014

Location:

Municipality Jersey City County Hudson

Depth to water at the site 2 ' to 4 ' Depth of excavations 5 ' to 35 '

Limit of dewatering (depth) 5 to 35 ' depending of depth of excavation

Diversion is to be used for the following purpose: Dewatering excavation within enclosed shoring for
Phase 1C TEP Area.

An 8-1/2" x 11" photocopy of the portion of the USGS quadrangle map indicating the exact location of the diversion sources must be attached.

2. Diversion Sources:

a. Wells/Wellpoints

Dewatering System/ Well Permit No.	Well Name	Depth (feet)	Screen Interval	Capacity (gpm)	Formation
<u>E20140290</u>	<u>114-P1C-MW1</u>	<u>39</u>	<u>29-39'</u>	<u>10</u>	<u>Piedmont</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

b. Trenches/Pits

Length of Trench	Depth	Pump Capacity	Formation
<u>Trench - varies based</u> <u>on location and depth</u>	<u>4-35 feet</u>	<u>variable up</u> <u>to 300 gpm</u>	<u>Shallow zone/Piedmont</u> <u>physiographic province along</u> <u>eastern edge of Newark Basin</u>
_____	_____	_____	_____
_____	_____	_____	_____

The owner is also responsible for:

- notifying their local Health Department of the proposed diversion;
- notifying all well owners within the estimated zone of influence of the diversion;
- investigating valid complaints of interference and reporting to the Bureau of Water Allocation & Well Permitting on the findings. Wells which have been adversely impacted as a result of the diversion shall be repaired or replaced.

A COPY OF THIS COMPLETED FORM MUST BE KEPT AT THE WORKSITE AS NO FORMAL PERMIT WILL BE ISSUED FOR THIS ACTIVITY.

April 4, 2014

Via Registered Certified Mail

Mr. Harry Melendez, Director
Department of Health & Human Services
1 Journal Square Plaza
Jersey City, NJ 07306
Tel: (201) 547-6800
Fax: (201) 547-5168

**Subject: Notification of Dewatering Permit-By-Rule Revision
Phase 1C Technical Execution Plan Area
PPG Site 114, 880-900 Garfield Avenue
Formerly Blocks 2026.A; 2026.1, Lots 1 & 3A; 2A, 4A & 3B
Currently Block 21501; Lots 16, 17, 18, 19, & 20
Jersey City, Hudson County, New Jersey**

Dear Mr. Melendez,

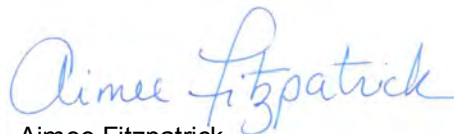
On behalf of PPG Industries, Inc. ("PPG"), AECOM is notifying the City of Jersey City Department of Health & Human Services that a revised Dewatering Permit-By-Rule ("PBR") will be submitted to the New Jersey Department of Environmental Protection ("NJDEP") for the above referenced property. The updated PBR reflects a new start date of October 4, 2013 and completion date of August 30, 2014. Attached is the completed application form and attachments for your reference.

If you have any further questions or require additional information, please contact the undersigned.

Yours sincerely,



Hue Quan, P.E.
Project Engineer

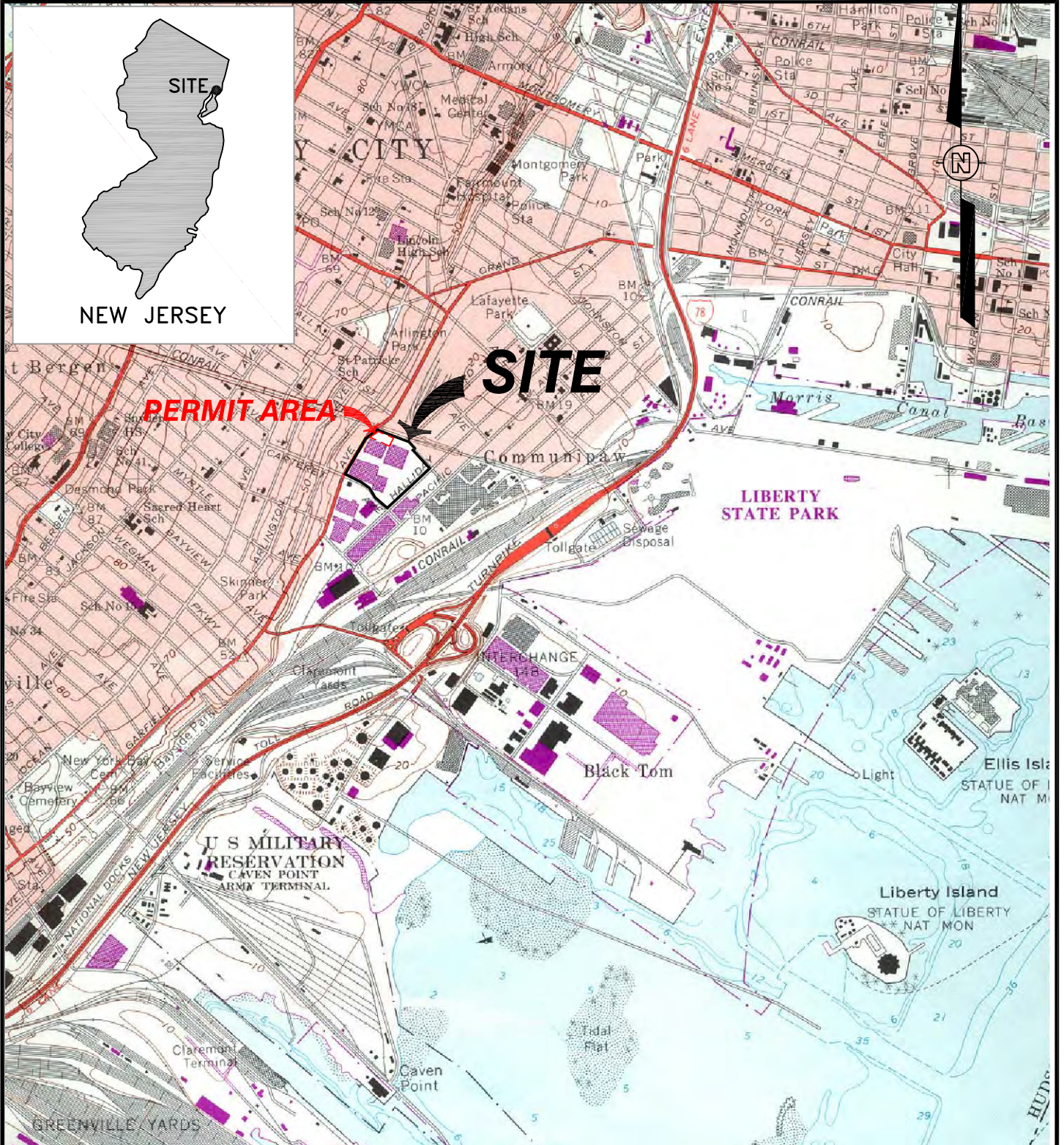


Aimee Fitzpatrick
Project Manager

Attachment: Dewatering Permit-By-Rule

cc via email: C. MacPhee, AECOM
B. McGuire, PPG
P. Sorge, JM Sorge on behalf of Hampshire Group
C. Daggett, The Dodge Foundation
B. Delisle, JCRA
J. Farrell, JC
R. Blackman, PSEG

U:\swt1fp001\jobs\Rem_Eng\Project_Files\PPG_Industries\Garfield Avenue\30% Design\CADD\DWGS\Permit Drawings\PBR-Dewatering-Phase1C.dwg



SOURCE: U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF JERSEY CITY, NEW JERSEY DATED 1967, PHOTOREVISED 1981.

FIGURE NUMBER:

1



DEWATERING PERMIT-BY-RULE
 PPG INDUSTRIES – GARFIELD AVENUE
 PROJECT AREA, JERSEY CITY
 HUDSON COUNTY, NEW JERSEY

AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 Web: <http://www.aecom.com>

DRAWN BY: RMT	DATE: 06/04/12	PROJECT NUMBER: 60240740	SHEET NUMBER: 1 of 1
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-03
DIVISION OF WATER SUPPLY & GEOSCIENCE
BUREAU OF WATER ALLOCATION & WELL PERMITTING
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
(609) 984-6831



DEWATERING PERMIT-BY-RULE

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In accordance with N.J.A.C. 7:19-2.17(b)2, any well or surface water supply system which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a result of this diversion shall be repaired or replaced at the expense of the owner of the project.

1. General Information

Owner/Facility Name PPG Site 114
 Address 880-900 Garfield Avenue
Formerly 2026.A; 2026.1, Lots 1&3A; 2A,4A&3B /Currently Block 21501; Lots 16,17, 18, 19, & 20
 Contact Name Hue Quan Telephone No. 732-564-3631
 Estimated Start Date October 4, 2013 Estimated Completion Date August 30, 2014

Location:

Municipality Jersey City County Hudson

Depth to water at the site 2 ' to 4 ' Depth of excavations 5 ' to 35 '

Limit of dewatering (depth) 5 to 35 ' depending of depth of excavation

Diversion is to be used for the following purpose: Dewatering excavation within enclosed shoring for
Phase 1C TEP Area.

An 8-1/2" x 11" photocopy of the portion of the USGS quadrangle map indicating the exact location of the diversion sources must be attached.

2. Diversion Sources:

a. Wells/Wellpoints

Dewatering System/ Well Permit No.	Well Name	Depth (feet)	Screen Interval	Capacity (gpm)	Formation
<u>E20140290</u>	<u>114-P1C-MW1</u>	<u>39</u>	<u>29-39'</u>	<u>10</u>	<u>Piedmont</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

b. Trenches/Pits

Length of Trench	Depth	Pump Capacity	Formation
<u>Trench - varies based</u> <u>on location and depth</u>	<u>4-35 feet</u>	<u>variable up</u> <u>to 300 gpm</u>	<u>Shallow zone/Piedmont</u> <u>physiographic province along</u> <u>eastern edge of Newark Basin</u>
_____	_____	_____	_____

The owner is also responsible for:

- notifying their local Health Department of the proposed diversion;
- notifying all well owners within the estimated zone of influence of the diversion;
- investigating valid complaints of interference and reporting to the Bureau of Water Allocation & Well Permitting on the findings. Wells which have been adversely impacted as a result of the diversion shall be repaired or replaced.

A COPY OF THIS COMPLETED FORM MUST BE KEPT AT THE WORKSITE AS NO FORMAL PERMIT WILL BE ISSUED FOR THIS ACTIVITY.

Dewatering Permit-By-Rule – Phase 2B

June 16, 2014

Via Certified Mail with RRR

Mail Code 401-04Q
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625-0420
Tel: (609) 984-6831

**Subject: Dewatering Permit-By-Rule
Phase 2B-1 through 2B-4 TEP Areas
PPG Site 114, 880-900 Garfield Avenue
Block 21501; Lots 16, 17, & 19
Jersey City, Hudson County, New Jersey**

Dear Sir or Madam:

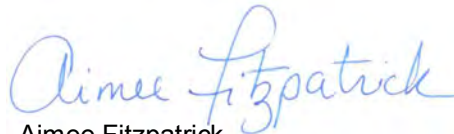
On behalf of PPG Industries, Inc. ("PPG"), AECOM is submitting a Dewatering Permit-By-Rule for the Phase 2B-1 through 2B-4 Technical Execution Plan ("TEP") Areas for the above referenced property, which will be enclosed in shoring prior to start of dewatering activities. The diversion is necessary to facilitate soil excavation/remediation in this portion of the property. Attached is the completed application form and attachments.

If you have any further questions or require additional information, please contact the undersigned.

Yours sincerely,



Hue Quan, P.E.
Project Engineer

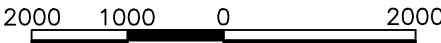
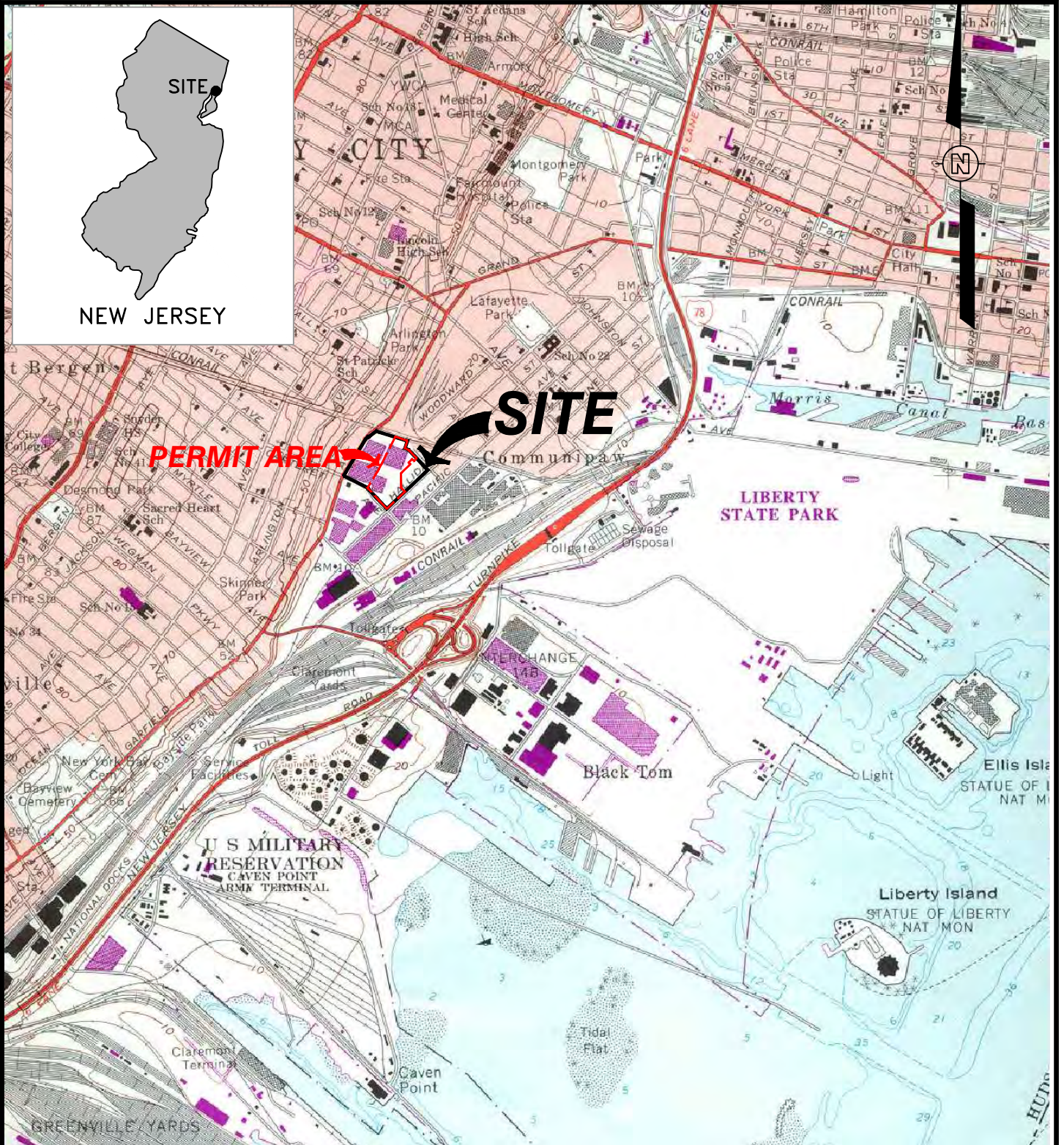


Aimee Fitzpatrick
Project Manager

Attachment: Dewatering Permit-By-Rule

cc via email: M. Hayden, AECOM
B. McGuire, PPG
B. Delisle, JCRA
J. Farrell, JC
R. Blackman, PSEG
J. Blaney, WCD
J. Volterra, MRCE
B. Bonsted, ENTACT

J:\Project\PPG-NUCProgram\6--ProjectInput\6.3-Cadd\GAGroup\Drawings\PBR-Dewatering-Phase2B_2014-06-10.dwg



Scale in Feet

SOURCE: U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF JERSEY CITY, NEW JERSEY DATED 1967, PHOTOREVISED 1981.



DEWATERING PERMIT-BY-RULE
 PPG INDUSTRIES – GARFIELD AVENUE
 PROJECT AREA, JERSEY CITY
 HUDSON COUNTY, NEW JERSEY

FIGURE NUMBER:

1

AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 Web: <http://www.aecom.com>

DRAWN BY: JK	DATE: 06/10/14	PROJECT NUMBER: 60314348	SHEET NUMBER: 1 of 1
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-04Q
DIVISION OF WATER SUPPLY & GEOSCIENCE
BUREAU OF WATER ALLOCATION & WELL PERMITTING
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
(609) 984-6831



DEWATERING PERMIT-BY-RULE

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In accordance with N.J.A.C. 7:19-2.17(b)2, any well or surface water supply system which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a result of this diversion shall be repaired or replaced at the expense of the owner of the project.

1. General Information

Owner/Facility Name PPG Site 114

Address 880-900 Garfield Avenue
Block 21501, Lots 16, 17 & 19

Contact Name Hue Quan Telephone No. 732-564-3631

Estimated Start Date July 16, 2014 Estimated Completion Date July 30, 2015

Location:

Municipality Jersey City County Hudson County

Depth to water at the site 2 ' to 4 ' Depth of excavations 0.5 ' to 20 '

Limit of dewatering (depth) 4.5 to 20 '

Diversion is to be used for the following purpose: Dewatering excavation within enclosed shoring for Phase 2B-1 through 2B-4 Areas.

An 8-1/2" x 11" photocopy of the portion of the USGS quadrangle map indicating the exact location of the diversion sources must be attached.

2. Diversion Sources:

a. Wells/Wellpoints

Dewatering System/ Well Permit No.	Well Name	Depth (feet)	Screen Interval	Capacity (gpm)	Formation
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

b. Trenches/Pits

Length of Trench Trench - varies based on location and depth	Depth 4-20 feet	Pump Capacity variable up to 300 gpm	Formation Shallow zone/Piedmont physiographic province along eastern edge of Newark Basin
_____	_____	_____	_____

The owner is also responsible for:

- notifying their local Health Department of the proposed diversion;
- notifying all well owners within the estimated zone of influence of the diversion;
- investigating valid complaints of interference and reporting to the Bureau of Water Allocation & Well Permitting on the findings. Wells which have been adversely impacted as a result of the diversion shall be repaired or replaced.

A COPY OF THIS COMPLETED FORM MUST BE KEPT AT THE WORKSITE AS NO FORMAL PERMIT WILL BE ISSUED FOR THIS ACTIVITY.

June 16, 2014

Via Certified Mail with RRR

Mr. Harry Melendez, Director
Department of Health & Human Services
1 Journal Square Plaza
Jersey City, NJ 07306
Tel: (201) 547-6800
Fax: (201) 547-5168

**Subject: Dewatering Permit-By-Rule
Phase 2B-1 through 2B-4 TEP Areas
PPG Site 114, 880-900 Garfield Avenue
Block 21501; Lots 16, 17, & 19
Jersey City, Hudson County, New Jersey**

Dear Mr. Melendez,


On behalf of PPG Industries, Inc. ("PPG"), AECOM is notifying the City of Jersey City Department of Health & Human Services that a Dewatering Permit-By-Rule will be submitted to the New Jersey Department of Environmental Protection ("NJDEP") for the above referenced property. Attached is the completed application form and attachments for your reference.

If you have any further questions or require additional information, please contact the undersigned.

Yours sincerely,



Hue Quan, P.E.
Project Engineer

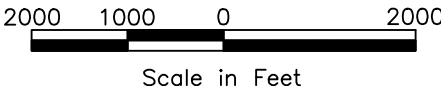
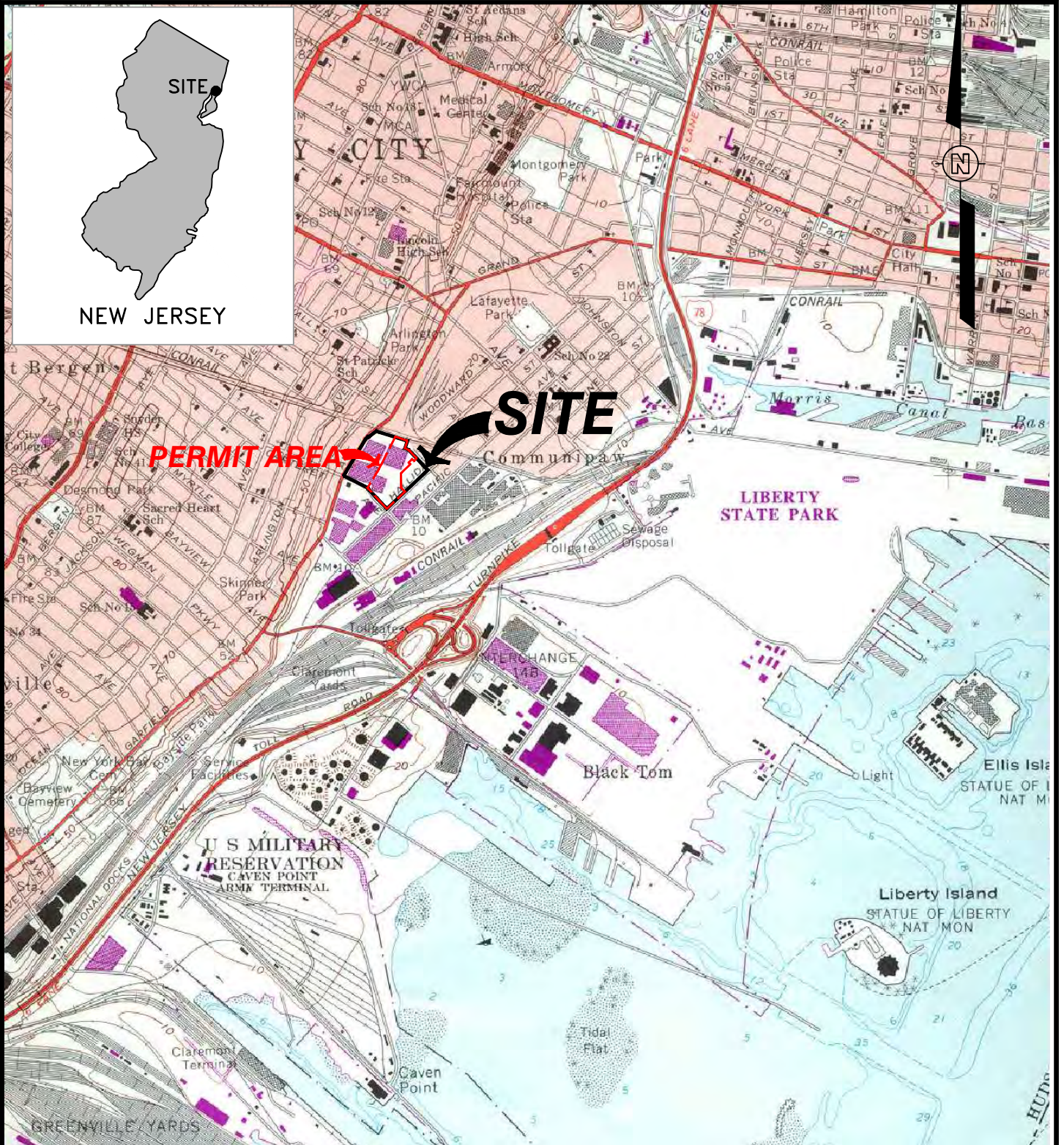


Aimee Fitzpatrick
Project Manager

Attachment: Dewatering Permit-By-Rule

cc via email: M. Hayden, AECOM
B. McGuire, PPG
B. Delisle, JCRA
J. Farrell, JC
R. Blackman, PSEG

J:\Project\PPG-NUCProgram\6--ProjectInput\6.3-Cadd\GAGroup\Drawings\PBR-Dewatering-Phase2B_2014-06-10.dwg



SOURCE: U.S.G.S. 7.5 MIN TOPOGRAPHIC MAP OF JERSEY CITY, NEW JERSEY DATED 1967, PHOTOREVISED 1981.



DEWATERING PERMIT-BY-RULE
PPG INDUSTRIES – GARFIELD AVENUE
PROJECT AREA, JERSEY CITY
HUDSON COUNTY, NEW JERSEY

FIGURE NUMBER:

1

AECOM
30 Knightsbridge Road, Suite 520
Piscataway, NJ 08854
Web: <http://www.aecom.com>

DRAWN BY: JK	DATE: 06/10/14	PROJECT NUMBER: 60314348	SHEET NUMBER: 1 of 1
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAIL CODE 401-04Q
DIVISION OF WATER SUPPLY & GEOSCIENCE
BUREAU OF WATER ALLOCATION & WELL PERMITTING
P.O. BOX 420
TRENTON, NEW JERSEY 08625-0420
(609) 984-6831



DEWATERING PERMIT-BY-RULE

This form, once it is completed and submitted, constitutes a permit-by-rule for the diversion of 100,000 gallons of water per day or more associated with temporary dewatering utilizing a coffer dam or similar work where the impacts of dewatering are contained within a confined area. This form must be submitted 30 days prior to the start of the diversion activity.

In accordance with N.J.A.C. 7:19-2.17(b)2, any well or surface water supply system which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a result of this diversion shall be repaired or replaced at the expense of the owner of the project.

1. General Information

Owner/Facility Name PPG Site 114

Address 880-900 Garfield Avenue
Block 21501, Lots 16, 17 & 19

Contact Name Hue Quan Telephone No. 732-564-3631

Estimated Start Date July 16, 2014 Estimated Completion Date July 30, 2015

Location:

Municipality Jersey City County Hudson County

Depth to water at the site 2 ' to 4 ' Depth of excavations 0.5 ' to 20 '

Limit of dewatering (depth) 4.5 to 20 '

Diversion is to be used for the following purpose: Dewatering excavation within enclosed shoring for Phase 2B-1 through 2B-4 Areas.

An 8-1/2" x 11" photocopy of the portion of the USGS quadrangle map indicating the exact location of the diversion sources must be attached.

2. Diversion Sources:

a. Wells/Wellpoints

Dewatering System/ Well Permit No.	Well Name	Depth (feet)	Screen Interval	Capacity (gpm)	Formation
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

b. Trenches/Pits

Length of Trench Trench - varies based on location and depth	Depth 4-20 feet	Pump Capacity variable up to 300 gpm	Formation Shallow zone/Piedmont physiographic province along eastern edge of Newark Basin
_____	_____	_____	_____

The owner is also responsible for:

- notifying their local Health Department of the proposed diversion;
- notifying all well owners within the estimated zone of influence of the diversion;
- investigating valid complaints of interference and reporting to the Bureau of Water Allocation & Well Permitting on the findings. Wells which have been adversely impacted as a result of the diversion shall be repaired or replaced.

A COPY OF THIS COMPLETED FORM MUST BE KEPT AT THE WORKSITE AS NO FORMAL PERMIT WILL BE ISSUED FOR THIS ACTIVITY.

Flood Hazard Area Individual Permit for GA Group



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF DREDGING AND SEDIMENT TECHNOLOGY
MAIL CODE 401-06C P.O. BOX 420
TRENTON, NEW JERSEY 08625
(609) 633-6801

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

October 7, 2015

Ms. Hue N. Quan
AECOM
30 Knightbridge Road, Suite 520
Piscataway, NJ 08854

RE: Application for Flood Hazard Area IP
Permit No(s): 0906-12-0008.2 FHA150001 IP
Project: Garfield Avenue Group – Sites 114, 133, 135, 137 & 143
Jersey City, Hudson County


Dear Ms. Quan:

The Office of Dredging and Sediment Technology acting under the provisions of the Flood Hazard Area Control Act (N.J.S.A. 58:16A) has decided to conditionally approve your application for a Flood Hazard Area Individual Permit.

Acceptance of this permit and all permit conditions shall be assumed, unless the permittee requests an adjudicatory hearing to contest the permit and/or permit conditions, in accordance with the requirements of the Flood Hazard Area Control Act Rules (N.J.A.C. 7:13). In order to promote cooperation in the management of our natural resources, a copy of this decision shall be shared with appropriate local and federal agencies.

In accordance with N.J.A.C. 7:13-18.1, any person who is aggrieved by this decision may request a hearing within 30 days after notice of the decision is published in the DEP Bulletin by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, 401 East State Street, P.O. Box 402, Trenton, NJ 08625-0402. This request must include a completed copy of the Administrative Hearing Request Checklist. If a person submits the hearing request after this time, the Department shall deny the request. The DEP Bulletin is available through the Department's website at www.state.nj.us/dep.

Sincerely,


Mark C. Davis, Acting Supervisor
Office of Dredging and Sediment Technology
Site Remediation Program

w/Attachments

C:

Jersey City Municipal Clerk
Bureau of Coastal and Land Use Enforcement – Trenton



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION PROGRAM
OFFICE OF DREDGING AND SEDIMENT TECHNOLOGY
Mail Code 401-06C P.O. Box 420
Trenton, NJ 08625
P E R M I T



<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Please note that violation of any term, condition or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>	<p>Approval Date October 7, 2015</p> <hr/> <p>Expiration Date October 7, 2020</p>
---	---

<p>Permit Number/s 0906-12-0008.2 FHA150001</p>	<p>Type of Approval/s Flood Hazard Area Individual Permit</p>	<p>Enabling Statute/s N.J.S.A. 13:1D-1 et seq. N.J.S.A. 58:10A-1 et seq. N.J.S.A. 58:16A-50 et seq. N.J.S.A. 13:9B-1 et seq.</p>
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<p>Permittee: Mr. Mark Terril / PPG Industries, Inc. 440 College Park Drive Monroeville, PA 15146</p>	<p>Site Location: Jersey City County: Hudson Block(s) & Lot(s): [21501, 16] [21501; 17] [21501; 18] [21501, 19] [21501, 20] [21510, 5] [21509, 1] [21509, 2] [21510, 4] [21510, 3] [21510, 1], Carteret Avenue, Garfield Avenue, Halladay Street</p>
---	---

Description of Authorized Activities and Limit of Disturbance

Excavate approximately 800,000 cubic yards of environmentally impacted soils to a maximum depth of 35 feet below ground surface with off-site treatment and disposal. Subsequent to excavation work, the project area will be finished with clean fill, a capillary break and contoured to allow for stormwater runoff to enter a newly constructed on-site stormwater drainage system.

Note: You must notify the Department in writing at least seven (7) days prior to undertaking any activity authorized by this document. Please direct your notification to the project manager listed below, using the address or fax number shown above.

<p>Project Manager's Signature <i>Gary Nickerson</i> Document Prepared By: Gary Nickerson Telephone: (609) 292-3304</p>	<p>Received by County Clerk</p>
--	---------------------------------

Note: This document must be recorded in the Office of the County Clerk for each county in which the project is located. Once all necessary stamps have been obtained, please mail or fax a copy of this page to the project manager noted to the left within 30 days of the issuance date (or within 90 days if multiple counties are involved). Please note that additional information must be filed with each County Clerk if this approval includes a flood hazard area verification, as described in the following conditions.

APPROVAL NOT VALID UNLESS AUTHORIZING SIGNATURE APPEARS ON LAST PAGE

Conditions Applicable to All Land Use Permits:

1. In accordance with the applicable regulations, any person who is aggrieved by this decision or any of the conditions of this approval may request a hearing within 30 days after notice of the decision is published in the DEP Bulletin. This request must include a completed copy of the Administrative Hearing Request Checklist. The DEP Bulletin is available through the Department's website at <http://www.nj.gov/dep/bulletin> and the Checklist is available through the Division's website at <http://www.nj.gov/dep/landuse/forms/lurpaahr.pdf>. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see the website www.nj.gov/dep/odr for more information about this process;
2. The permittee, its contractors and subcontractors shall comply with all conditions of this permit, supporting documents and approved drawings; and
 - i. Plans and specification in the application and conditions imposed by this permit shall remain in full force and effect so long as the proposed development or any portion thereof is in existence, unless modified by the Department in writing;
 - ii. If this permit contains a condition that must be satisfied prior to the commencement of construction, the permittee must comply with such condition(s) within the time required by the permit or, if no time specific requirement is imposed, then within six months of the effective date of the permit, or provide evidence satisfactory to the Department that such condition(s) cannot be satisfied; and
 - iii. Any noncompliance with this permit constitutes a violation, and is grounds for enforcement action, as well as suspension and/or termination of the permit; This approval does not in any way affect the right of the State to seek and collect monetary penalties or to take other enforcement action, should it be determined that a violation has occurred onsite;
3. The permittee shall take all reasonable steps to prevent, minimize or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit;
4. The issuance of this permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction, structure or structures. Neither the State nor the Department shall, in any way, be liable for the loss of life or property which may occur by virtue of the activity of development resulting from any permit;
5. The permittee shall immediately inform the Department of any unanticipated adverse effects on the environment not described in the application or in the conditions of this permit. The Department may, upon discovery of such unanticipated adverse effects, and upon the failure of the permittee to submit a report thereon, notify the permittee of its intent to suspend the permit;
6. This permit can be modified, suspended or terminated for cause. The filing of a request to modify an issued permit by the permittee, or a notification of planned changes or anticipated noncompliance does not stay any condition of this permit;
7. This permit does not convey any property rights of any sort, or any exclusive privilege;

8. A copy of the permit and other authorizing documents including all approved plans and drawings shall be maintained at the authorized site at all times and made available to Department representatives or their designated agents immediately upon request.
 - i. The permittee shall also furnish to the Department within a reasonable time any information that the Department requests to determine compliance with this permit or to determine whether cause exists for suspension or termination of this permit; and
 - ii. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by the permit;
9. The permittee shall allow an authorized representative of the Department, upon notification under current rule and upon the presentation of credentials, to:
 - i. Enter upon the permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of this permit;
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; and
 - iii. Inspect at reasonable times any facilities, equipment, practices or operations regulated or required under the permit. Failure to allow reasonable access under this section shall be considered a violation of this chapter and subject the permittee to enforcement action;
 - iv. Sample or monitor at reasonable times for the purposes of assuring compliance with applicable rules;
10. No change in plans or specifications upon which this permit is issued shall be made except with the prior written permission of the Department;
11. The permittee shall provide reports to the Department as follows:
 - i. Monitoring results shall be reported at the intervals specified elsewhere in this permit;
 - ii. The permittee shall immediately report to the Department by telephone at (877) 927-6337 any noncompliance that may endanger health or the environment. In addition, the permittee shall report all noncompliance to Bureau of Coastal and Land Use Compliance and Enforcement, 401 E. State Street, 4th Floor, P.O. Box 422, Mail Code: 401-04C, Trenton, NJ 08625, in writing within five business days of the time the permittee becomes aware of the noncompliance. The written notice shall include: a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and, if the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter;
 - iii. Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information;
12. Development which requires soil disturbance, the creation of drainage structures, or changes in natural contours shall conduct operations in accordance with the latest revised version of "Standards for Soil Erosion Sediment Control in New Jersey," promulgated by the New Jersey State Soil Conservation Committee, pursuant to the Soil Erosion and Sediment Control Act of 1975, N.J.S.A. 4:24-42 et seq. and N.J.A.C. 2:90-1.3 through 1.14. and must obtain any required approvals from the local Soil Conservation District;
13. If any condition of this permit is determined to be legally unenforceable, modifications and additional conditions may be imposed by the Department as necessary to protect the public interest;

14. This permit is not transferable to any person unless the transfer is approved by the Department;
15. The permittee must obtain any and all other Federal, State and/or Local approvals. Authorization to undertake a regulated activity under these rules does not indicate that the activity also meets the requirements of any other rule, plan or ordinance. It is the applicant's responsibility to obtain all necessary approvals for a proposed project;
16. While the regulated activities are being undertaken, neither the permittee nor its agents shall cause or permit any unreasonable interference with the free flow of a regulated feature by placing or dumping any materials, equipment, debris or structures within or adjacent to the regulated area. Upon completion or abandonment of the work, the permittee and/or its agents shall remove and dispose of in a lawful manner all excess materials, debris, equipment, silt fences and other temporary soil erosion and sediment control devices from all regulated areas. Only clean non-toxic fill shall be used where necessary;
17. All excavated material and dredge material shall be disposed of in a lawful manner. (For example, it should be placed outside of any flood hazard area, riparian zone, regulated water, freshwater/coastal wetlands and adjacent transition area, and in such a way as to not interfere with the positive drainage of the receiving area);
18. If this document includes a Coastal Permit or a Flood Hazard Verification then, this document shall be recorded in its entirety in the office of the County Clerk or the Registrar of Deeds and Mortgages for each county where this project is located. Verified notice of this action shall be forwarded to the Department immediately thereafter.

Special Conditions:

19. Prior to commencing any activity such as clearing, grading or construction onsite, the permittee shall obtain all necessary approvals from the local Soil Conservation District (SCD) or its designee and the Natural Resource Conservation Service (NRCS). If neither SCD or NRCS approval is required, the permittee shall implement soil erosion control measures such as but not limited to standards specified in N.J.A.C. 7:13-11.1 (e)

Stormwater Management:

20. The Department has determined that this project meets the requirements of the Stormwater Management rules at N.J.A.C. 7:8. Any future expansion or alteration of the approved site layout, which would affect water quality, increase the rate or volume of stormwater leaving the site, affect the infiltration capacity on the site, or alter the approved low impact site design, shall be reviewed and approved by the Department prior to construction. This includes any proposed changes to the discharge characteristics of any basin, the construction of new inlets or pipes that tie into the storm sewer network and/or the replacement of existing inlets or pipes with structures of different capacity.

Flood Hazard Area Conditions:

21. All excavated material shall be disposed of in a lawful manner outside of any flood hazard area riparian zone, open water, freshwater wetland and adjacent transition area, and in such a way as to not interfere with the positive drainage of the receiving area.

Development Plans:

22. The drawings hereby approved are shown on three sheets entitled:

“PPG INDUSTRIES, GARFIELD AVENUE SITES, JERSEY CITY, NEW JERSEY,” dated October 1, 2015, signed by Hue N. Quan

- a. “FLOOD HAZARD AREA PRE-CONSTRUCTION TOPOGRAPHIC PLAN,” drawing FHA-01
- b. “AS BUILT AND PROPOSED EXCAVATION ELEVATIONS,” drawing FHA-02
- c. “PROPOSED RESTORATION GRADES AND STORM DRAINS,” drawing FHA-03

10/07/2015

Date



Mark C. Davis

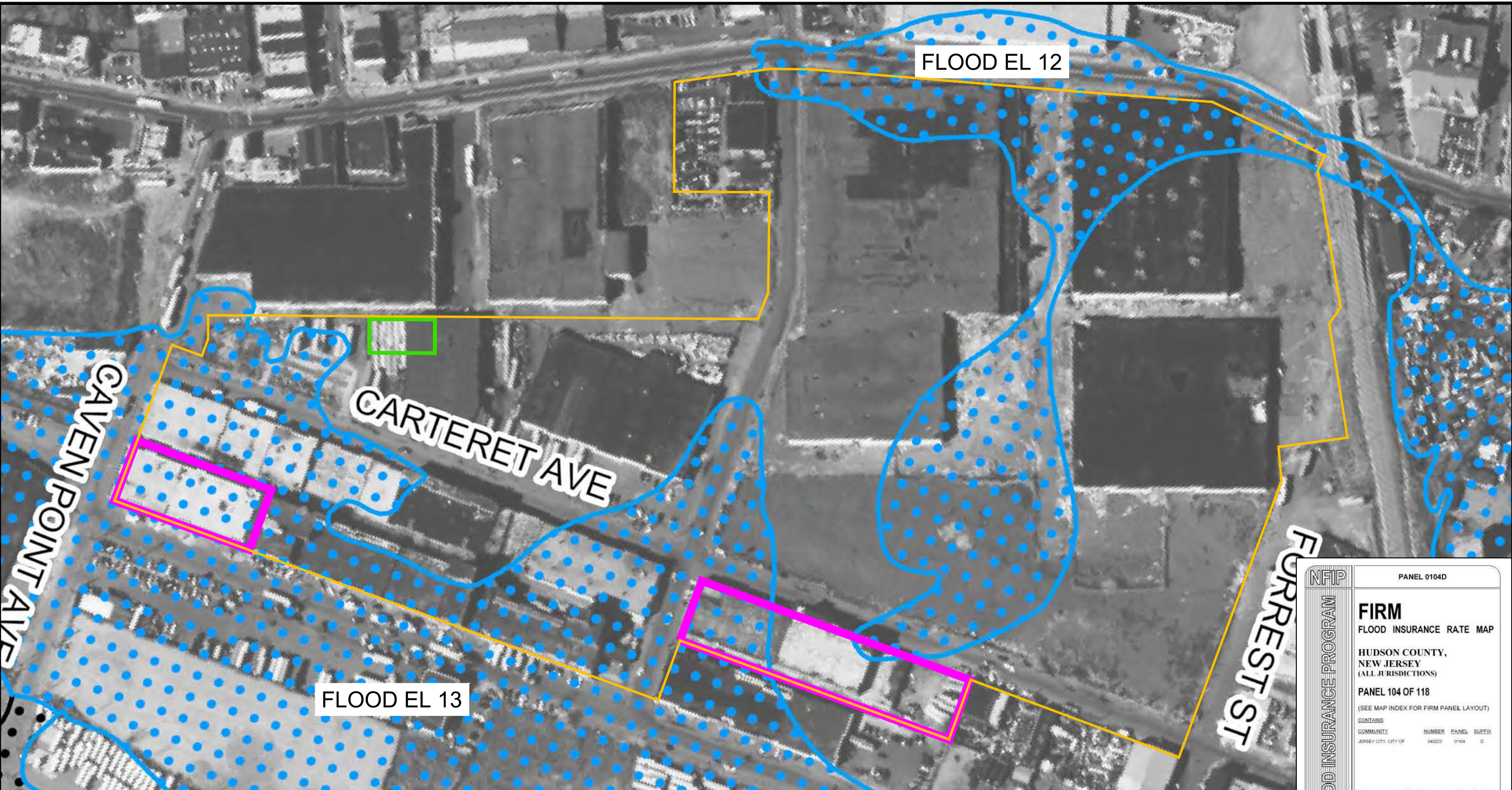
Mark C. Davis, Acting Supervisor
Office of Dredging and Sediment Technology







STATE OF NEW JERSEY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF LAND USE REGULATION
 OFFICE OF DREDGING AND SEDIMENT TECHNOLOGY
 Mail Code 501-02A P.O. Box 420
 Trenton, NJ 08625
 P E R M I T



<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Please note that violation of any term, condition or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		Approval Date August 11, 2017 modification
		Expiration Date October 7, 2020
Permit Number/s 0906-12-0008.2 FHA1170001 (modification)	Type of Approval/s Flood Hazard Area Individual Permit	Enabling Statute/s N.J.S.A. 13:1D-1 et seq. N.J.S.A. 58:10A-1 et seq. N.J.S.A. 58:16A-50 et seq. N.J.S.A. 13:9B-1 et seq.
Permittee: PPG Industries, Inc. 440 College Park Drive Monroeville, PA 15146	Site Location: Jersey City County: Hudson Block(s) & Lot(s): [21501, 16] [21501; 17] [21501; 18] [21501, 19] [21501, 20] [21510, 5] [21509, 1] [21509, 2] [21510, 4] [21510, 3] [21510, 1], [21509, 3] [21502, 12] [21502, 13] [21502, 14] [21502, 15] [21502, 16] [21502, 17] Carteret Avenue, Garfield Avenue, Halladay Street	
Description of Authorized Activities and Limit of Disturbance This permit modification expands the currently approved project to include two (2) additional adjacent parcels. The additional parcels consist of the following tax blocks and lots: [21509, 3] [21502, 12] [21502, 13] [21502, 14] [21502, 15] [21502, 16] [21502, 17]. This modification authorizes the additional parcels only. All approved remedial activities have not changed and all permit conditions remain in full force and effect. The additional areas are shown on plans entitled: "PPG, Garfield Avenue Group of Sites, Jersey City, New Jersey," 3 sheets (FHA-01, FHA-02, FHA-03), dated July 31, 2017 and prepared by AECOM. Please attach this permit modification to the original permit.		
Project Manager's Signature  Document Prepared By: Mark C. Davis	Received by County Clerk 	

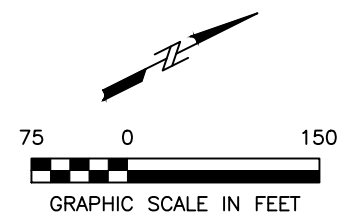


	NEW AREAS ADDED FOR MODIFICATION		POTENTIAL STOCKPILE LOCATION
	SPECIAL FLOOD HAZARD AREA 100 YEAR FLOOD ZONE		PROJECT BOUNDARY AND EXTENTS OF EXCAVATION

NOTES:

- LIVE LOADING ON A DAILY BASIS WHEN EXCAVATION ACTIVITIES OCCUR. STOCKPILES ARE NOT NECESSARY.
- IF STOCKPILE IS REQUIRED, ESTABLISH SITE STOCKPILE OUTSIDE OF THE FHA AREA AND OUTSIDE OF REMEDIATED AREA WHERE POSSIBLE. USE STOCKPILE CONSTRUCTION METHODS OUTLINED IN THE SOIL EROSION AND SEDIMENT CONTROL PLAN IN ADDITION TO PROVIDING A BERM THAT IS ONE FOOT HIGHER THAN THE FHA ELEVATION OF 13.0 REFERENCED TO NAVD88.

NAVD88 - NORTH AMERICAN VERTICAL DATUM OF 1988
FHA - FLOOD HAZARD AREA



PANEL 0104D

FIRM
FLOOD INSURANCE RATE MAP


HUDSON COUNTY,
NEW JERSEY
(ALL JURISDICTIONS)

PANEL 104 OF 118
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
JERSEY CITY CITY OF	340223	0104	D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

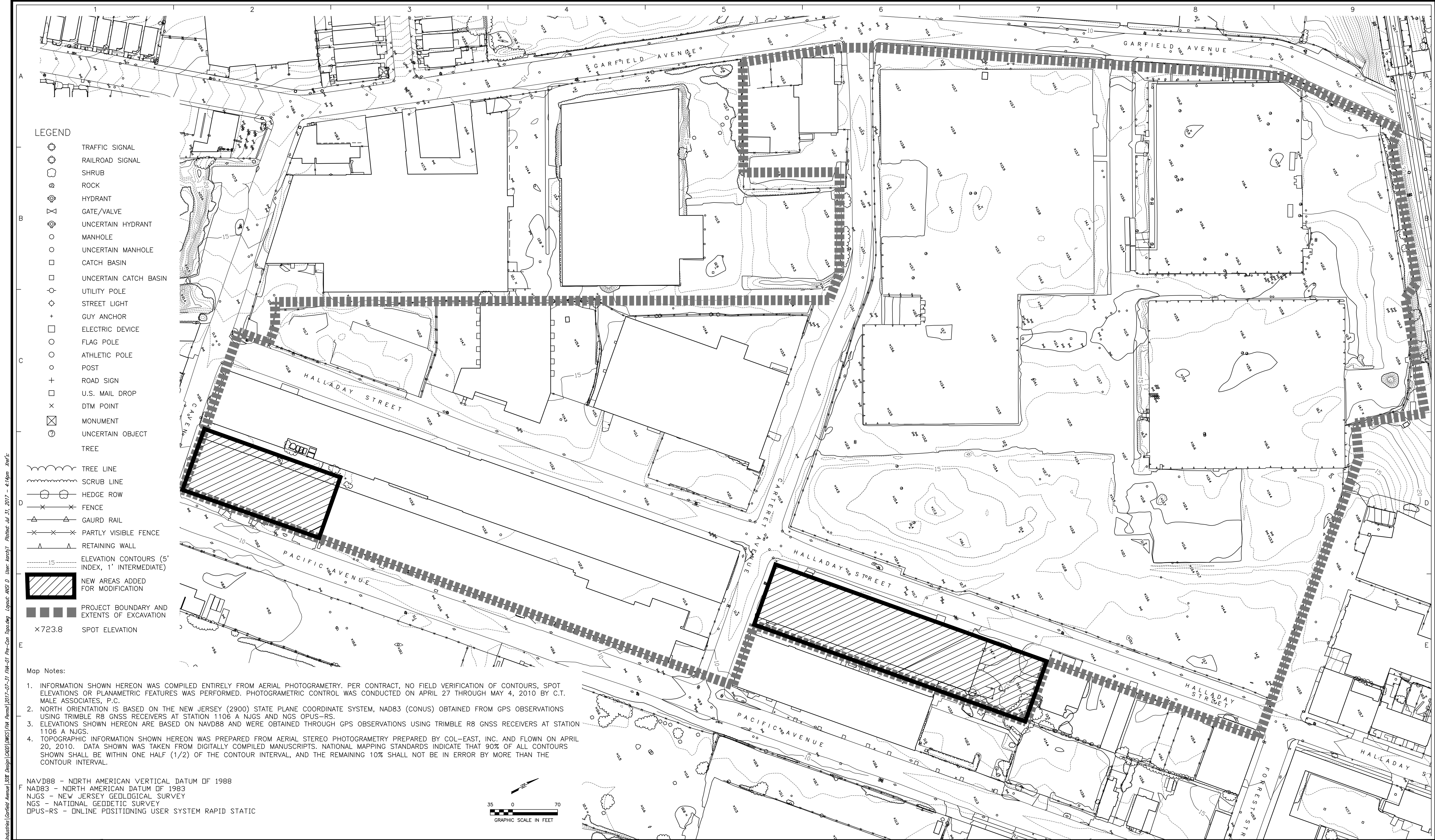


MAP NUMBER
34017C0104D

EFFECTIVE DATE
AUGUST 16, 2006

Federal Emergency Management Agency

PPG GARFIELD AVENUE GROUP OF SITES JERSEY CITY, NEW JERSEY	STOCKPILE PLAN
DATE: 07/31/2017 DRWN: DCB/jk	FIGURE 1

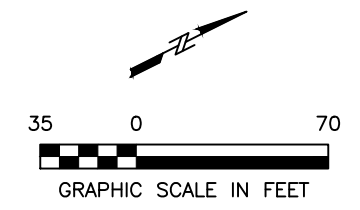


- LEGEND**
- ⊙ TRAFFIC SIGNAL
 - ⊙ RAILROAD SIGNAL
 - ⊙ SHRUB
 - ⊙ ROCK
 - ⊙ HYDRANT
 - ⊙ GATE/VALVE
 - ⊙ UNCERTAIN HYDRANT
 - MANHOLE
 - UNCERTAIN MANHOLE
 - CATCH BASIN
 - UNCERTAIN CATCH BASIN
 - UTILITY POLE
 - ◇ STREET LIGHT
 - ⊕ GUY ANCHOR
 - ELECTRIC DEVICE
 - FLAG POLE
 - ATHLETIC POLE
 - POST
 - ⊕ ROAD SIGN
 - ⊕ U.S. MAIL DROP
 - × DTM POINT
 - ⊗ MONUMENT
 - ⊙ UNCERTAIN OBJECT
 - TREE

- ~ TREE LINE
- ~ SCRUB LINE
- ~ HEDGE ROW
- ⊗ FENCE
- ⊗ GAIRD RAIL
- ⊗ PARTLY VISIBLE FENCE
- ⊗ RETAINING WALL
- ELEVATION CONTOURS (5' INDEX, 1" INTERMEDIATE)
- ▨ NEW AREAS ADDED FOR MODIFICATION
- PROJECT BOUNDARY AND EXTENTS OF EXCAVATION
- ×723.8 SPOT ELEVATION

- Map Notes:**
1. INFORMATION SHOWN HEREON WAS COMPILED ENTIRELY FROM AERIAL PHOTOGRAMMETRY. PER CONTRACT, NO FIELD VERIFICATION OF CONTOURS, SPOT ELEVATIONS OR PLANAMETRIC FEATURES WAS PERFORMED. PHOTOGRAMMETRIC CONTROL WAS CONDUCTED ON APRIL 27 THROUGH MAY 4, 2010 BY C.T. MALE ASSOCIATES, P.C.
 2. NORTH ORIENTATION IS BASED ON THE NEW JERSEY (2900) STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) OBTAINED FROM GPS OBSERVATIONS USING TRIMBLE R8 GNSS RECEIVERS AT STATION 1106 A NJGS AND NGS OPUS-RS.
 3. ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 AND WERE OBTAINED THROUGH GPS OBSERVATIONS USING TRIMBLE R8 GNSS RECEIVERS AT STATION 1106 A NJGS.
 4. TOPOGRAPHIC INFORMATION SHOWN HEREON WAS PREPARED FROM AERIAL STEREO PHOTOGRAMMETRY PREPARED BY COL-EAST, INC. AND FLOWN ON APRIL 20, 2010. DATA SHOWN WAS TAKEN FROM DIGITALLY COMPILED MANUSCRIPTS. NATIONAL MAPPING STANDARDS INDICATE THAT 90% OF ALL CONTOURS SHOWN SHALL BE WITHIN ONE HALF (1/2) OF THE CONTOUR INTERVAL, AND THE REMAINING 10% SHALL NOT BE IN ERROR BY MORE THAN THE CONTOUR INTERVAL.

NAVD88 - NORTH AMERICAN VERTICAL DATUM OF 1988
 NAD83 - NORTH AMERICAN DATUM OF 1983
 NJGS - NEW JERSEY GEOLOGICAL SURVEY
 NGS - NATIONAL GEODETIC SURVEY
 DPUS-RS - ONLINE POSITIONING USER SYSTEM RAPID STATIC



File: A:\Jobs\Rem_Loop\Project Files\PPG_Industries\Garfield Avenue\308 Design\2400\DWG\FHA\2017-07-31\FHA-01_Pre-Con_Topography Layout.mxd User: huanq11 Plot Date: Jul 31, 2017 - 4:10pm

HUE N. QUAN, P.E.	7								
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	NO	DRWN	DATE	REVISION	CHKD	DATE	APPVD	DATE	

AECOM

AECOM
 30 Knightsbridge Road, Suite 520
 Piscataway, NJ 08854
 NJ C.O.A. No.: 24GA28002200

PPG
 GARFIELD AVENUE GROUP OF SITES
 JERSEY CITY, NEW JERSEY

PROJ. NUMBER: 60544821 DATE: 07/31/2017

**FLOOD HAZARD AREA
 PRE-CONSTRUCTION
 TOPOGRAPHIC PLAN**

SHEET NUMBER:
 REVISION **0**

DRAWING NUMBER:
FHA-01

**Permit-By-Rule Discharge Approval for Site-wide
FerroBlack-H Backfill Amendment**



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation Program

Mail Code 401-04K

P.O. Box 420

Trenton, NJ 08625-0420

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

October 17, 2012

Brian G. McGuire, P.E., Remediation Project Manager
PPG Industries, Inc.
Post Office Box 2009
4325 Rosanna Drive, Bldg. C
Allison Park, PA 15101-2009

Re: Discharge Approval and Monitoring Requirements Associated with
Permit-By-Rule Discharge Authorization for PPG Industries (COPR)
Garfield Avenue Group and Former Halladay Street Gas Works
NJ Program Interest Numbers: G000008791, G000008749, 025695, 246332, G000008753, and
G000008759
Jersey City, Hudson County

Dear Mr. McGuire:

This New Jersey Pollutant Discharge Elimination System/Discharge to Ground Water (NJPDES/DGW) authorization is hereby issued under the authority of the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. and the implementing regulations, N.J.A.C. 7:14A-1 et seq. N.J.A.C. 7:14A-7.5 authorizes the discharge described below which will allow the permittee to discharge FerroBlack-H (a water based suspension of 7 to 8% ferrous sulfide and 1 to 2% sodium hydrosulfide) to the ground waters of the State within clean backfill for the purpose of remediation of potentially contaminated ground water at the above referenced sites. Pursuant to N.J.A.C. 7:14A-22.4(b)5, a Treatment Works Approval is not required for discharges to ground water authorized pursuant to N.J.A.C. 7:14A-7.5. The discharge approved through this authorization will be added to clean backfill placed in excavations down to a depth of up to 35 feet. The discharge shall be conducted as proposed in the *Permit by Rule Request - Garfield Avenue Group and Former Halladay Street Gas Works* (August 30, 2012), submitted to the Department on your behalf by AECOM. The discharge shall be conducted in conformance with the following requirements.

A public notice describing this discharge was published in The Jersey Journal on September 11, 2012 which initiated a 30 day public comment period. In addition a copy of the public notice was sent to the city clerk of Jersey City, and to the Jersey City and Hudson County health officials. The Department did not receive any comments on the DGW proposal.

I. DISCHARGE DESCRIPTION

The authorized discharge is FerroBlack-H (a water based suspension of 7 to 8% ferrous sulfide and 1 to 2% sodium hydrosulfide). The FerroBlack-H will be added to backfilled soils at the Garfield Avenue Group and Former Halladay Street Gas Works in Jersey City, New Jersey (the Site). The Garfield Avenue Group includes Chromium Sites 114, 132, 133, 135, 137 and 143. PPG is conducting a remediation of the Site whereby chromium-impacted soil would be excavated and removed from the site. Excavations could reach depths of up to 35 feet. Clean backfill would be blended with a low dose of FerroBlack-H (2.8% by weight or less of FerroBlack-H to clean fill) and placed in the excavated area. The FerroBlack-H application is designed to convert hexavalent chromium in groundwater to the less toxic and less mobile trivalent form. The proposed application of FerroBlack-H would be part of the completion of the overall remediation of the sites. Application rates for FerroBlack-H will range from 0% (no use of the amendment) to a maximum of 2.8%. The total amount of the FerroBlack-H solution to be applied is a maximum of 6,520 tons. Excluding water, an estimated 520 tons of ferrous sulfide and 13 tons of sodium hydrosulfide will be applied to the clean fill. The actual dosing and locations of application within each area will be determined as part of the Technical Execution Plan for each area. It is estimated that the excavation and backfill operations will take 36 months to complete.

II. SYSTEM OPERATION AND MONITORING

All sampling shall be performed as proposed and consistent with the methods specified in the most current edition of the Department's Field Sampling Procedures Manual, unless otherwise approved by the Department. All samples shall be analyzed by a New Jersey Certified Laboratory certified for the methods being used to analyze ground water and soil. Parameters determined in the field (pH and Eh) are to be measured by a certified contractor or laboratory. Analytical method MDLs shall be less than or equal to the groundwater quality standards listed in Table 1.

The area in and around the amended backfill shall be monitored for evidence of malfunction. Said evidence shall include, but not be limited to: spilling, dust and/or odor emissions, abnormal settling, ponding and/or chromium blooms at the ground surface.

The discharge shall not have a long term adverse impact on ground water quality, create an unpermitted discharge to any surface water of the State, create a persistent standing, ponded or surface-flowing fluid condition, adversely impact a water supply well or cause adverse vapor intrusion to occur.

Pursuant to N.J.A.C. 7:14A-6.2(a)5 and 11, if free product in ground water, vapors or odors in any building, or any malfunction resulting in a potential impact to a receptor are detected and are a result of the discharge authorized by this approval, the discharger will immediately: (1) cease the discharge or make necessary adjustments to the discharge rate or system operation; and (2) repair or mitigate any negative impacts.

III. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring/sampling must be conducted as specified in the above referenced *Permit by Rule Request - Garfield Avenue Group and Former Halladay Street Gas Works* (August 30, 2012). Following the completion of excavation and placement of the amended backfill (or at the request of the Department), a groundwater monitoring network will be installed within, adjacent to, and underneath the area of amended

fill. Well installation, well development, and ground water sampling will be conducted in accordance with the procedures previously approved as part of the *Quality Assurance Project Plan for the Garfield Avenue Group* (AECOM, 2012).

The monitoring program will utilize existing wells and newly installed wells. The wells will be tested quarterly for a period of one year. Testing will include analysis for hexavalent chromium, Target Analyte List ("TAL") metals, pH and oxidation potential ("Eh"). During each monitoring event the air above the open monitoring wells will be tested for oxygen, hydrogen sulfide, carbon monoxide, and explosive limit. Prior to the application of amended backfill, soil samples from pit bottoms in each of the grids will be analyzed for hexavalent chromium, total chromium, pH and oxidation potential. Additionally, 10% of the soil samples will be analyzed for additional parameters (TAL metals, volatile organic compounds, semi-volatile organic compounds and potentially other parameters as described in the technical execution plan for each area).

IV. REPORTING REQUIREMENTS AND INFORMATION SUBMITTALS

Report ground water sampling results for the individual contaminants listed in Table 1 and any others that exceed standards. All information and ground water and soil sampling results, and the QA/QC package specified at N.J.A.C. 7:26E-2.1(a)15, shall be submitted to the below address entitled "DGW Permit-by-Rule Monitoring Report" at the frequency specified in the DGW Proposal. AECOM will produce quarterly reports on monitoring results and produce a final report at the conclusion of four quarters of monitoring. In addition, all monitoring results obtained under the permit-by-rule shall also be submitted with the Remedial Action Report (RAR), N.J.A.C. 7:26E-5.7, and sent to:

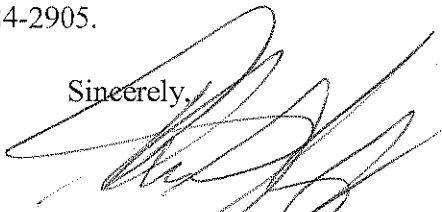
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CASE ASSIGNMENT & INITIAL NOTICE
MAILCODE 401-05H
P.O. BOX 420
TRENTON, NJ 08625-0420
ATTN: COPR

In addition, electronic copies of the tabulated ground water and soil sampling results shall be e-mailed to Thomas Cozzi at Tom.Cozzi@dep.state.nj.us according to the schedule in the DGW proposal.

The record keeping requirements of N.J.A.C. 7:14A-6.6 are applicable to monitoring information resulting from this discharge authorization. Pursuant to N.J.A.C. 7:14A-6.8(e) the results for any additional sampling done as a result of this discharge, but that is not specified in this authorization, must also be reported with the RAR as specified above. Any malfunctions or non-compliance should be reported by telephone within 24 hours to Tom Cozzi of the Site Remediation Program at (609) 984-2905, and in writing within 7 days to the above address using the subject line "DGW Permit-by-Rule Compliance Report - COPR."

If you have any questions or concerns, please contact Tom Cozzi of the Site Remediation Program at (609) 984-2905.

Sincerely,



Thomas J. Cozzi, Assistant Director
NJDEP Site Remediation Program, Office of Assistant Commissioner

Attachments

c: Craig W. MacPhee, AECOM
Prabal N. Amin, Weston Solutions, Inc.
Carrie Nawrocki, Hudson Regional Health Commission
Harry Melendez, Jersey City Dept. of Health and Human Services
Robert Byrne, RMC, Jersey City Clerk

Table 1: Ground Water Quality Standards of Monitored Parameters

Parameters	Standards in ppb* (a)
Total Chromium (Cr)	70
Hexavalent Chromium (Cr ⁺⁶)	
pH	6.5–8.5
Oxidation Potential (Eh)	
Aluminum (Al)	200
Antimony (Sb)	6
Arsenic (As)	3
Barium (Ba)	6,000
Beryllium (Be)	1
Cadmium (Cd)	4
Calcium (Ca)	
Cobalt (Co)	
Copper (Cu)	1,300
Iron (Fe)	300
Lead (Pb)	5
Magnesium (Mg)	
Manganese (Mn)	50
Mercury (Hg)	2
Nickel (Ni)	100
Potassium (K)	
Total Selenium (Se)	40
Silver (Ag)	40
Sodium (Na)	50,000
Sulphur (S)	
Thallium (Tl)	2
Vanadium (V)	60
Zinc (Zn)	2,000

*except pH

Notes:

- a) Ground Water Quality Criteria were established for Class II-A aquifers pursuant to N.J.A.C. 7:9C-1.7(c) of the GWQS. Practical quantitation levels (PQL) are defined, discussed and specified in N.J.A.C. 7:9C-1.4, 1.9(c) and Appendix Table 1. The applicable standard is the higher of these two values.



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation Program

Mail Code 401-06

P.O. Box 420

Trenton, NJ 0862-0420

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

December 26, 2013

Brian G. McGuire, P.E., Remediation Project Manager
PPG Industries, Inc.
Post Office Box 2009
4325 Rosanna Drive, Bldg. C
Allison Park, PA 15101-2009

Re: Approval of the 12/23/2013 Request to Modify the
Permit-By-Rule Discharge Authorization for PPG Industries (COPR)
Garfield Avenue Group and Former Halladay Street Gas Works
NJ Program Interest Numbers: G000008791, G000008749, 025695, 246332, G000008753, and G000008759
Jersey City, Hudson County

Dear Mr. McGuire:

This letter serves to provide approval of the December 23, 2013 request to modify the New Jersey Pollutant Discharge Elimination System/Discharge to Ground Water (NJPDES/DGW) authorization dated October 17, 2012. The October 17, 2012 Permit-By-Rule allows the discharge of FerroBlack-H (a water based suspension of 7 to 8% ferrous sulfide and 1 to 2% sodium hydrosulfide) to the ground waters of the State within clean backfill for the purpose of remediation of potentially contaminated ground water at the above referenced sites. This letter approves the requested modification to allow the placement of FerroBlack-H amended fill within a sliver of New Jersey Transit ("NJT") property (Block 2044.5, Lot A) adjacent to the north of the Phase 1C Area of Site 114.

If you have any questions or concerns, please contact David Van Eck of the Bureau of Ground Water Pollution Abatement at (609) 633-2427.

Sincerely,

Mary Anne Kuserk, Bureau Chief
Bureau of Ground Water Pollution Abatement

c: S. Mikaelian, AECOM
Tom Cozzi, NJDEP-SRP
Prabal N. Amin, Weston Solutions, Inc.
Carrie Nawrocki, Hudson Regional Health Commission
Vera Smith, Jersey City Dept. of Health and Human Services
Robert Byrne, RMC, Jersey City Clerk

Quan, Hue

From: VanEck, David <David.VanEck@dep.state.nj.us>
Sent: Tuesday, March 25, 2014 9:38 AM
To: Quan, Hue
Cc: Doyle, David; Cozzi, Tom; Feinberg, Richard [C] (feinberg@ppg.com); Fitzpatrick, Aimee; 'McGuire, Brian - Environmental' (bmcguire@ppg.com); Twiss, Randy
Subject: RE: Garfield Avenue Group PBR for FerroBlack-H

Hue,

I checked with my bureau chief and confirmed that since the FerroBlack concentration range will remain the same, and the discharge will still be within the permitted project area, we can approve this modification via email. We will consider your email from 3/24/2014 as the PBR modification request, and this response as the modification approval. I will memorialize this approval in NJEMS by placing a copy of this message in the Attachment List under RPC000051.

Dave

David Van Eck | Supervising Geologist | David.VanEck@dep.state.nj.us

New Jersey Department of Environmental Protection
Site Remediation Program - <http://nj.gov/dep/srp/>
Bureau of Ground Water Pollution Abatement
P.O. Box 420, Mail Code 401-05V
Trenton, New Jersey 08625-0420

Phone: 609.633.2427 Fax: 609.633.1454

From: Quan, Hue [<mailto:Hue.Quan@aecom.com>]
Sent: Monday, March 24, 2014 2:11 PM
To: VanEck, David
Cc: Doyle, David; Cozzi, Tom; Feinberg, Richard [C] (feinberg@ppg.com); Fitzpatrick, Aimee; 'McGuire, Brian - Environmental' (bmcguire@ppg.com); Twiss, Randy
Subject: Garfield Avenue Group PBR for FerroBlack-H

Dave-

Field changes will be implemented in the near future to add FerroBlack-H to backfill where groundwater impacts are observed (green coloration in groundwater) as remediation progresses at the Garfield Avenue Group Remediation Sites. While the 0-2.8% FerroBlack concentration range will still be applied, we estimate the maximum tonnage of 6,520 tons will be exceeded over the duration of the remediation. We would like to change this maximum tonnage to 10,000 tons to account for the additional FerroBlack-H that added to the backfill in these additional areas. There are no changes to the project area.

I have attached a copy of the discharge authorization for your reference. Please let me know if this change will require a PBR modification request.

Thank you,

Hue Quan, P.E.
Project Specialist, Environment, Northeast
D 1.732.564.3631 C 1.908.229.1837
Hue.Quan@aecom.com

AECOM
30 Knightsbridge Road, Suite 520, Piscataway, New Jersey 08854
T 1.732.564.3600 F 1.732.369.0122 Cisco 1003631
www.aecom.com

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Quan, Hue

From: VanEck, David <David.VanEck@dep.nj.gov>
Sent: Tuesday, May 12, 2015 9:49 AM
To: Quan, Hue
Cc: Mikaelian, Scott; Ruitter, Aimee; 'McGuire, Brian - Environmental' (bmcguire@ppg.com); Feinberg, Richard [C] (feinberg@ppg.com); Terril, Mark (terril@ppg.com); Prins, Keith (prins@ppg.com); 'psorge@jmsorge.com' (psorge@jmsorge.com); CDaggett@GRDodge.org; 'rschmitt@hampshireco.com' (rschmitt@hampshireco.com); Benjamin Delisle; Jeremy Farrell - City of Jersey City (jfarrell@jcnj.org); Jason Watson (JWatson@jcnj.org); Ron Adams (radams@erfs.com); David Spader, PG (DSpader@erfs.com); Cozzi, Tom; Doyle, David; Amin, Prabal (Prabal.Amin@WestonSolutions.com); bmcpeak@planningprogress.com; Michael McCabe (jcsiteadministrator@earthlink.net)
Subject: RE: GAG-019: GAG - Site-wide FerroBlack-H PBR Tonnage Modification Request

Hue,

The NJDEP hereby approves the proposal to amend the subject Permit-By-Rule Discharge Authorization with an additional 1,150 tons of FerroBlack-H, as detailed below. This correspondence will be placed into NJEMS in the Attachment List under RPC000051 to memorialize the Department's approval of the proposal.

David

David Van Eck, Supervising Geologist
NJ Dept. of Environmental Protection, Site Remediation Program
Bureau of Ground Water Pollution Abatement
P.O. Box 420, Mail Code 401-05V, Trenton, New Jersey 08625-0420
Phone: 609-633-2427 Fax: 609-633-1454
David.VanEck@dep.nj.gov

From: Quan, Hue [<mailto:Hue.Quan@aecom.com>]
Sent: Monday, May 11, 2015 1:04 PM
To: VanEck, David
Cc: Mikaelian, Scott; Ruitter, Aimee; 'McGuire, Brian - Environmental' (bmcguire@ppg.com); Feinberg, Richard [C] (feinberg@ppg.com); Terril, Mark (terril@ppg.com); Prins, Keith (prins@ppg.com); 'psorge@jmsorge.com' (psorge@jmsorge.com); CDaggett@GRDodge.org; 'rschmitt@hampshireco.com' (rschmitt@hampshireco.com); Benjamin Delisle; Jeremy Farrell - City of Jersey City (jfarrell@jcnj.org); Jason Watson (JWatson@jcnj.org); Ron Adams (radams@erfs.com); David Spader, PG (DSpader@erfs.com); Cozzi, Tom; Doyle, David; Amin, Prabal (Prabal.Amin@WestonSolutions.com); bmcpeak@planningprogress.com; Michael McCabe (jcsiteadministrator@earthlink.net)
Subject: GAG-019: GAG - Site-wide FerroBlack-H PBR Tonnage Modification Request

Mr. David Van Eck
Supervising Geologist
Bureau of Ground Water Pollution Abatement
P.O. Box 420, Mail Code 401-05V
Trenton, New Jersey 08625-0420

**Subject: Site-wide FerroBlack-H Permit-by-Rule (“PBR”) Modification Request
Garfield Avenue Group and Former Halladay Street Gas Works
Jersey City, Hudson County, New Jersey**

Dear Mr. Van Eck,

Upon review of the maximum tonnage of 10,000 tons requested in March 2014 (see Attachment) and the current rate of use of FerroBlack-H, an additional increase of 1,150 tons is requested. This increase is due to deeper-than-anticipated excavation in many grids, notably in Phase 2B, and a pending NJDEP request to install a two-foot thick amended soil cap in certain areas that do not otherwise require amended backfill. The FerroBlack-H concentration in the amended soil cap will be 0.7% by weight, which is within the 0-2.8% range specified in the approved PBR.

As of April 30, 2015, a total of 9,224 tons of FerroBlack-H has been used to amend backfill. An estimate of 11,150 tons of FerroBlack-H is needed to complete the remediation for Garfield Avenue Group Phases 1 through 3 and Halladay Street South, as outlined in the December 2014 Remedial Action Work Plan (Soil) Revision 3.

A copy of the March 2014 modification approval is attached for your reference. We anticipate reaching our maximum tonnage of 10,000 within in the next 1-2 months.

Yours sincerely,

Hue Quan, P.E.
Project Specialist, Environment, North
D 1.732.564.3631 C 1.908.229.1837
Hue.Quan@aecom.com

AECOM
30 Knightsbridge Road, Suite 520, Piscataway, New Jersey 08854
T 1.732.564.3600 F 1.732.369.0122 Cisco 1003631
www.aecom.com

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**Permit-By-Rule Discharge Approval for
FerroBlack-H Backfill Amendment within Former Morris
Canal**



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation Program

P.O. Box 028

Trenton, NJ 08625

CHRIS CHRISTIE

Governor

KIM GUADAGNO

Lt. Governor

BOB MARTIN

Commissioner

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Brian G. McGuire, P.E., Remediation Project Manager
PPG Industries, Inc.
Post Office Box 2009
4325 Rosanna Drive, Bldg C
Allison Park, PA 15101-2009

Re: Discharge Approval and Monitoring Requirements Associated with a
Permit-By-Rule Discharge Authorization for PPG Industries
NJ Program Interest Number: G000005480
Garfield Avenue Site 114 and Former Halladay Street Gas Works
Jersey City, Hudson County

Dear Mr. McGuire:

This New Jersey Pollutant Discharge Elimination System/Discharge to Ground Water (NJPDES/DGW) authorization is hereby issued under the authority of the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. and the implementing regulations, N.J.A.C. 7:14A-1 et seq. N.J.A.C. 7:14A-7.5 authorizes this discharge of FerroBlack-H (a blend of water and approximately 8% ferrous sulfide (FeS) and 2% sodium hydrosulfide) to the ground waters of the State within the former Morris Canal for the purpose of remediation of potentially contaminated ground water at the above referenced site. Pursuant to N.J.A.C. 7:14A-22.4(b)5, a Treatment Works Approval is not required for discharges to ground water authorized pursuant to N.J.A.C. 7:14A-7.5 or 8.5. The discharge conditionally approved through this authorization will be limited to the area depicted on Figure 1 provided within the 24 February 2012 Permit By Rule (PBR) Request. The discharge is to be conducted as proposed in the 24 February 2012 PBR Request submitted on your behalf by Randall Twiss and Craig W. MacPhee of AECOM. The discharge is approved under the following conditions:

- The dosing rate cannot exceed 2.8% (by weight) FerroBlack-H to clean fill;
- All other applicable permits and approvals required to complete the work must be obtained prior to initiating the work;
- The Air Monitoring Plan is updated to include additional H₂S monitoring to the satisfaction of the Department;
- All other relevant plans (e.g., Health and Safety Plan, Dust Control Plan) are updated to include the work conducted under this Permit By Rule;

- Monitoring well MW-6C is to be sampled in accordance with the proposed monitoring plan (Table 1). In addition, any wells included in Table 1 that are required to be decommissioned during excavation activities will be re-installed as soon as practicable and sampled in accordance with Table 1;
- The Department does not support the statement “*Groundwater in the site area is saline and has the primary characteristics of sea water*” provided in Section 7.1.1 of the PBR Request.;
- The Department does not support the statement “*Use of the amended backfill will also recreate the meadow mat in this area where meadow mat is absent*” provided in Section 8.6 of the PBR Request; and,
- The duration of this discharge is limited to a maximum of 170 days.

In addition, the discharge must be conducted in conformance with the following requirements.

I. DISCHARGE DESCRIPTION

The authorized discharge is FerroBlack-H to the former Morris Canal as depicted on Figure 1 provided within the 24 February 2012 PBR Request. Source material is to be removed to a maximum depth of 35 feet below grade and replaced with clean fill. The excavation depth is below the water table and over time groundwater impacted with chromium may infiltrate into the clean fill. To address this concern, the addition of a low dose of FerroBlack-H to the backfill before it is placed into the excavation to treat the groundwater is proposed. Clean backfill will be blended with FerroBlack-H as described in the PBR Request. Amended backfill will then be placed in the excavated area and compacted. Testing of the groundwater will be conducted to determine if the amendment addition was successful. AECOM anticipates using a maximum of 850 tons of FerroBlack-H to amend 30,000 tons of clean backfill during this mixing process.

II. SYSTEM OPERATION AND MONITORING

Pre-excavation soil sampling is being conducted as proposed in the December 2011 Technical Execution Plan (TEP). Following the placement of the amended backfill, groundwater sampling will be completed in accordance with Table 1 of the PBR Request. All sampling will be performed consistent with the methods specified in the most current edition of the Department's Field Sampling Procedures Manual, unless otherwise approved by the Department. All samples shall be analyzed by a New Jersey Certified Laboratory certified for the methods.

The area around the work will be monitored for evidence of malfunction, in accordance with the previously approved plans. Said evidence shall include, but not be limited to: breakout, wet areas, ponding, odors, and elevated dust readings in the nearby area.

The discharge shall not adversely impact the behavior of the plume, create an unpermitted discharge to any surface water of the State, create a persistent standing, ponded or surface-flowing fluid condition, adversely impact a water supply well or cause adverse vapor intrusion to occur.

Pursuant to N.J.A.C. 7:14A-6.2(a)5 and 11, if free product in ground water, vapors or odors in any building, or any malfunction resulting in a potential impact to a receptor are detected and are a result of the discharge authorized by this approval, the discharger will immediately: (1) cease the discharge or make necessary adjustments to the injection rate; and (2) repair or mitigate any negative impacts.

III. MONITORING REQUIREMENTS

Post treatment monitoring will be completed in accordance with Table 1 of the PBR Request. Two monitoring wells will be installed as depicted on Figure 4 of the PBR Request, to a depth of 20 feet, with approximately 15-feet of screen. During each quarterly sampling event following treatment, the well will be sampled (if water is present) with analysis for TAL metals, hexavalent chromium, Eh and pH.

IV. REPORTING REQUIREMENTS AND INFORMATION SUBMITTALS

The data will be presented to the Department on a quarterly basis. At the conclusion of the work, a standalone report on results and recommendations will be prepared. All information, sampling results, and the QA/QC package specified at N.J.A.C. 7:26E-2.1(a)16iii, shall be submitted with the completion report and sent to:

Thomas J. Cozzi
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, P.O. Box 028
Trenton, NJ 08625-0028

The record keeping requirements of N.J.A.C. 7:14A-6.6 are applicable to monitoring information resulting from this discharge authorization. Pursuant to N.J.A.C. 7:14A-6.8(e) the results for any additional sampling done as a result of this discharge, but that is not specified in this authorization, must also be reported with the report as specified above. If you have any questions, please contact Thomas J. Cozzi of the Site Remediation Program at (609) 984-2905.

Sincerely,



Thomas J. Cozzi, Assistant Director
NJDEP Site Remediation

c: W. Michael McCabe (Site Administrator)
Brian McPeak (Project Manager)
David Doyle, NJDEP
David VanEck, NJDEP
Craig W. MacPhee, AECOM

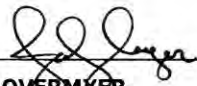
Community Right-to-Know Survey for 2017

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
COMMUNITY RIGHT TO KNOW SURVEY FOR 2017
For State and Federal Community Right to Know Reporting**

Facility ID: **00000054365** CoMu: **0906** NAICS: **423120**

PPG INDUSTRIES INC
440 COLLEGE PARK DRIVE
MONROEVILLE, PA 15146-

(A) Facility Location:
70 CARTERET AVE
JERSEY CITY, NJ 07304

<p>(B) Does this facility Produce, Store or Use NJ CRTK Environmental Hazardous Substances:</p> <p>1. In any quantity? Yes (✓) No ()</p> <p>2. Above thresholds? Yes (✓) No ()</p> <p>Note: This Section will be populated only if the facility is covered under the New Jersey Worker and Community Right to Know Act, N.J.S.A. 34:5A</p>	<p>(D) Number of employees at facility: 54</p> <hr/> <p>(E) Number of facilities in New Jersey: 1</p> <hr/> <p>(F) Federal EIN: 250730780</p>
<p>(C) Facility Status: Active Business Activity: SITE IS CURRENTLY VACANT, SUPPORTING REMEDIATION</p>	<p>(G) R&D exemption approval number for this facility: No R&D Exemption</p>
<p>(I) FACILITY EMERGENCY CONTACT:</p> <p>Name: RICH FEINBERG Title: PROJECT MANAGER Facility Phone Number: (732) 233-4552 Emergency Contact Phone: (732) 233-4552</p>	
<p>(J) CERTIFICATION OF OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE -- I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.</p> <p>Signature:  Date: 2-8-18</p> <p>Name: JODY OVERMYER Title: REMEDIATION PROJ ENG. Email Address: OVERMYER@PPG.COM Phone Number: (724) 325-5070</p> <p><i>(Please sign and date. Mail copies to your local Police, Fire departments, county lead agency and local emergency planning committee.)</i></p>	
<p>(K) UNION REPRESENTATIVE</p> <p>Union Name/Local Number: Email Address: Representative Name: Phone #:</p>	
<p>EPCRA SECTION INFORMATION</p> <p>TRI Facility ID: RMP Facility ID: Location is: Manned (X) Unmanned () Latitude: 40.7090120 Longitude: -074.0702180 Maximum Number of Occupants: 45</p> <p>Is this facility subject to Chemical Accident Prevention under Section 112R of CAA (40 CFR, Part 68, Risk Management Program)? No</p> <p>Is this facility subject to Emergency Planning under Section 302 of EPCRA (40 CFR Part 355)? Yes</p> <p><u>Facility EPCRA Section 302 Emergency Coordinator (if applicable)</u></p> <p>Name: RICH FEINBERG Title: PROJECT MANAGER Email Address: FEINBERG@PPG.COM 24-Hour Phone: (732) 233-4552</p> <p><u>Parent Company Information (Optional)</u></p> <p>Company Name: Dun & Bradstreet No.: Company Address: Phone Number: Email Address:</p>	

Facility ID: 0000054365

Page 2 of 9

PPG INDUSTRIES INC
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: ALUMINUM CHLOROHYDRATE		CAS #: 12042-91-0	
Location(s): 6,000-GAL TANK INSIDE GWTS BUILDING		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	300	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Substance Name: ALUMINUM CHLOROHYDRATE		CAS #: 12042-91-0	
Location(s): SIX 275-GAL TOTES INSIDE GWTS BUILDING		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	65	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

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Substance Name: CALCIMENT		CAS #: N/A	
Location(s): SUPPORT ZONE STORAGE AREA		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Bag	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	100,000 to 499,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: DIESEL FUEL OR #2 HEATING OIL		CAS #: 68476-34-6	
Location(s): 750-GAL STEEL TANK, EQUIPMENT REFUELING AREA		Sub #: 2444 DOT #: 1993	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	5,000 to 9,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	5,000 to 9,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input checked="" type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input type="checkbox"/> Corrosive to metal	<input checked="" type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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Substance Name: FERROBLACK (HYBRID)		CAS #: 1317-37-9	
Location(s): 300-GALLON TOTES		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: GASOLINE		CAS #: 8006-61-9	
Location(s): 750-GAL AST-REFUEL AREA, FOUR 500-GAL SADDLE		Sub #: 0957 DOT #: 1203	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input checked="" type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input checked="" type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input checked="" type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input type="checkbox"/> Corrosive to metal	<input checked="" type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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Substance Name: PROPYLENE GLYCOL		CAS #: 57-55-6	
Location(s): 55-GAL DRUMS IN SUPPORT ZONE STORAGE AREA		Sub #: N/A DOT #: N/A	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Steel drum	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	120	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Substance Name: SODIUM BISULFITE		CAS #: 7631-90-5	
Location(s): FIVE 275-GALLON TOTES DURING GWTS RELOCATION		Sub #: 1685 DOT #: 2693	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	1,000 to 2,499 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	1,000 to 2,499 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	60	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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Substance Name: SODIUM BISULFITE		CAS #: 7631-90-5	
Location(s): GWTS EXTERIOR HEATED 4,000-GALLON POLY TANK		Sub #: 1685 DOT #: 2693	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: SODIUM HYDROXIDE		CAS #: 1310-73-2	
Location(s): 50% SOL 2,000-GAL POLY TANK DURING GWTS RELOC		Sub #: 1706 DOT #: 1824	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	30	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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Substance Name: SODIUM HYDROXIDE		CAS #: 1310-73-2	
Location(s): 50% SOLUTION FOR GWTS IN 2,650-GAL POLY TANK		Sub #: 1706 DOT #: 1824	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: SULFURIC ACID		CAS #: 7664-93-9	
Location(s): 93% SOLN IN 2K-GAL POLY TANK FOR GWTS RELOCAT		Sub #: 1761 DOT #: 1830	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	30	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input type="checkbox"/> No physical hazards per SDS	

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Substance Name: SULFURIC ACID		CAS #: 7664-93-9	
Location(s): 93% SOLUTION FOR GWTS IN 2,650-GAL POLY TANK		Sub #: 1761 DOT #: 1830	
Purity	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input checked="" type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Above ground tank	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input checked="" type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Greater than ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	No	<input checked="" type="checkbox"/> Corrosive to metal	<input type="checkbox"/> (single or repeated exposure)
		<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Physical hazard not otherwise classified	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> No physical hazards per SDS	

Substance Name: VEGETABLE OIL EMULSION		CAS #: 8001-22-7	
Location(s): FIVE 325-GAL TOTES IN GW IRM TREATMENT AREA		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Tote bin	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input checked="" type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	10,000 to 24,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	30	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> (single or repeated exposure)
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Aspiration hazard
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Physical hazard not otherwise classified	<input type="checkbox"/> No health hazards per SDS
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Facility ID: **0000054365**

Page 9 of 9

PPG INDUSTRIES INC
70 CARTERET AVE
JERSEY CITY, NJ 07304

PART 2
2017 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2017

Substance Name: ZAPZORB		CAS #: 9003-04-7	
Location(s): SUPER SACS IN SUPPORT ZONE STORAGE AREA		Sub #: N/A DOT #: N/A	
Purity	<input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture	Physical Hazards	Health Hazards
Physical state	<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Acute toxicity (any route of exposure)
Container type	Bag	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Skin corrosion or irritation
Max. daily inventory	50,000 to 99,999 pounds	<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Serious eye damage or eye irritation
Avg. daily inventory	25,000 to 49,999 pounds	<input type="checkbox"/> Self-reactive	<input type="checkbox"/> Respiratory or skin sensitization
Days on site	365	<input type="checkbox"/> Pyrophoric (liquid or solid)	<input type="checkbox"/> Germ cell mutagenicity
Storage pressure	Ambient pressure	<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Carcinogenicity
Storage temperature	Ambient temperature	<input type="checkbox"/> Self-heating	<input type="checkbox"/> Reproductive toxicity
Trade Secret	No	<input type="checkbox"/> Organic peroxide	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)
EPCRA-Only	Yes	<input type="checkbox"/> Corrosive to metal	<input type="checkbox"/> Aspiration hazard
This EPCRA-Only Mixture Contains EPCRA Section 302 Extremely Hazardous Substances	No	<input type="checkbox"/> Gas under pressure (compressed gas)	<input type="checkbox"/> Simple asphyxiant
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Health hazard not otherwise classified
		<input type="checkbox"/> Combustible dust	<input type="checkbox"/> No health hazards per SDS
		<input type="checkbox"/> Physical hazard not otherwise classified	
		<input checked="" type="checkbox"/> No physical hazards per SDS	

Registration of XRF, Radiation Survey, and Renewal



State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Environmental Safety and Health
Bureau of X-ray Compliance, Machine Source Section
PO Box 420, Mail Code 25-01, Trenton, NJ 08625-0420
Ph: (609) 984-5370 Fax: (609) 984-5811
www.xray.nj.gov

BOB MARTIN
Commissioner

REGISTRATION LETTER, RADIATION SURVEY NEEDED

January 12, 2011

Facility ID: 120786
AECOM
70 CARTERET AVE
JERSEY CITY, NJ 07304

Dear MS. FARRELL,

Thank you for your recent registration of x-ray equipment with the State of New Jersey. Enclosed is a validated copy of the registration(s) that you are required to keep on file at the facility.

All x-ray equipment is required to have a radiation safety survey of the environs performed by a qualified individual. **A list of qualified individuals is available at www.xray.nj.gov** This survey must be completed and a copy submitted to the Bureau of X-ray Compliance within 60 days of acquiring the x-ray equipment, except as noted below.

NOTE: Equipment subject to the following regulations are required to perform, a "Structural Shielding and Radiation Safety Survey" PRIOR TO FIRST USE.

- radiation therapy equipment—7:28-14.1 et seq.
- cabinet, industrial radiography and shielded room x-ray units—7:28-17. 1 et seq.
- electron microscopes—7:28-20.13(a),
- analytical units—7:28-21.6(a)4.

A list of qualified individuals is available at www.xray.nj.gov

Additionally, all persons operating x-ray equipment on humans must be either a licensed practitioner (MD, DDS, DMD, DC, hygienists, etc) or licensed by the Department of Environmental Protection pursuant to N.J.S.A. 26:2D-24 et seq.

If you have further questions, please call Ramona Chambus at (609) 984-5370.

Sincerely,

Ramona V. Chambus, Supervisor
Machine Source Section, BXC

Enclosure
Reglet01.doc(modified 10/09)



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Environmental Safety and Health
Bureau of X-ray Compliance
Formerly: Bureau of Radiological Health
PO Box 415, Trenton, NJ 08625-0415
Ph: (609) 984-5370 Fax: (609) 984-5811
www.xray.nj.gov

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Dear Hand Held Analytical X-Ray Unit Owner:

The Bureau of X-ray Compliance (Bureau) regulates the use of these units and would like to provide some guidance for users. The requirements listed below will assist you in complying with New Jersey Administrative Code 7:28.

- Prior to using the hand held analytical x-ray unit, you must have a radiation safety survey performed by a qualified individual that defines the controlled (ie. radiation area) and uncontrolled areas for each unit. Additionally, if the facility modifies how it uses the hand held analytical unit (i.e. mounts the hand held analytical to a portable sample holder or uses the hand held analytical in a way not indicated in the radiation safety) a new radiation safety survey must be performed (N.J.A.C. 7:28-21.6(a)4).
- Operators must be trained in the principles and practices of radiation protection (7:28-2.2).
- Operation of the hand held analytical x-ray unit is used in accordance with written operating and alignment procedures provided by the manufacturer. Written operating procedures shall be such that a qualified operator following instructions will not receive in any one hour a dose equivalent in excess of 37.5 mrem to the hands and forearms or 2.5 mrem to the whole body, gonads, blood-forming organs or lens of the eye. (7:28- 21.3(b)1,2,3).
- You must provide each operator of the hand held analytical x-ray unit with appropriate personnel monitoring devices such as finger or wrist badges and keep records of dose (N.J.A.C. 7:28-7.4, 8.1 & 21.6(a)3).
- You must secure the hand held analytical x-ray unit in a safe location that prevents unauthorized use (N.J.A.C. 7:28-2.4).
- You must ensure that the hand held analytical has been properly labeled with the following (N.J.A.C. 7:28-21.3(a)1, 2, & 3):
 - “CAUTION: THIS EQUIPMENT PRODUCES X-RAYS WHEN ENERGIZED – TO BE OPERATED ONLY BY AUTHORIZED PERSONNEL” label attached near any switch which energizes the x-ray tube.
 - “CAUTION: HIGH INTENSITY X-RAY BEAM” label located in a conspicuous location near the x-ray tube housing.
 - Warning light with fail safe characteristics labeled with words “X-RAY ON” that shall be illuminated only when the tube is energized.
- You must test all of the hand held analytical x-ray unit’s safety interlocks, warning lights and warning indicators every six months and maintain written records of the testing (N.J.A.C. 7:28-21.6(a)1).
- You must identify any area where the dose is 2 millirem or greater in any one hour and ensure that members of the public are not within this area. (N.J.A.C. 7:28-21.4(a)2 & 3).

To obtain a complete list of regulatory requirements pertaining to the use of this unit, please visit our website at www.xray.nj.gov . If you have further questions, please call the Bureau at (609) 984-5370.



New Jersey Department of Environmental Protection
Bureau of X-ray Compliance, PO Box 420, Mail Code 25-01,
Trenton, NJ 08625-0420
Phone: (609) 984-5463 Fax: (609) 984-5811
www.xray.nj.gov

Check One:

- Register 1st x-ray machine in facility
- Register 2nd x-ray machine, 3rd x-ray machine, etc
- Change information on current registration.

548362
120786
Facility Number
105328
Registration Number

RADIATION PRODUCING MACHINE REGISTRATION APPLICATION

NOTE: Replacing an x-ray machine requires a new registration form. Replacement of existing unit with new unit is NOT an update.

FACILITY NAME & ADDRESS (Print or type only)

Full Business Name AECOM

Business Type (e.g. PA, LLC, Corp, Private, etc) Corporation This is mandatory information.

Owner's Name Erin Farrell
 First M. Init. Last Title (MD, DDS, DVM, etc)

Physical Address of x-ray unit AECOM Construction Trailer - 70 Carteret Avenue/900 Garfield Avenue
Jersey City NJ 07304 Hudson
 City State Zip Code + 4 digit County

Telephone + - Fax + -
 Area Code Area Code

Bill To Address--if different from above: 30 Knightsbridge Road, Suite 520, Piscataway, NJ 08854 tel: 732-564-3600

MACHINE INFORMATION- MUST BE COMPLETED IN FULL

(A separate registration is required for each x-ray tube)

ENTER Machine Category (see machine source fee schedule for descriptions) 80 N

Manufacturer Thermo Scientific Niton Model Name Thermo Scientific Niton

Console Model No. 31094 Console Serial No. 31094 Tube Serial No. Unknown

Date Acquired: June 13, 2010 Max kVp: 50 Max mA Max uA - 40 Max MeV
 (if needed)

Location (Room ID, Building, Color, etc) if applicable: Handheld, stored in Trailer Date Manufactured: 4/7/2008

RETAIN THIS:
FOR YOUR PERMANENT
RADIATION RECORDS
N.J. STATE DEPT. OF ENVIRONMENTAL PROTECTION

MUST CIRCLE ONE: Type of X-ray Processing:

- A = Automatic-film
- M = Manual- film
- CR = Computed Radiography
- DR = Digital Radiography
- P = Polaroid
- N = No film (Industrial x-ray units)**

REGULATORY REQUIREMENTS

- The New Jersey Administrative Code 7:28-3.12 requires owners of all x-ray equipment to register within 30 days of acquisition.
 - NJAC 7:28 requires such owners have a radiation safety surveys performed on the equipment within 60 days of acquisition.
- See NJAC 7: 28 for specifics. Owners are responsible for ensuring compliance with all regulations of NJAC 7:28 et seq.

DO NOT SEND CHECK WITH REGISTRATION APPLICATION.
You will receive an invoice once the registration is complete.

Erin Farrell Print Name (Owner/Representative) Project Administrator Title
Erin Farrell Signature (Owner/Representative) 12/30/10 Date

Date Received JAN 11 2011 For Bureau Use Only Date Returned JAN 12 2011
 CHRISTINE S. GARES

February 23, 2011

Mr. Michael Grasso
AECOM
70 Carteret Avenue
Jersey City, NJ 07305

Dear Mr. Grasso:

Enclosed please find the Radiation Protection Survey performed at your facility.

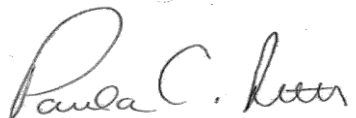
The unit was found to be in compliance with all State and Federal regulations. Exposure levels in all areas were within allowable limits.

Bio-Med has submitted a copy of the report to the State on your behalf. Please retain the original report in your files.

If I can be of further assistance, please do not hesitate to contact me.

Very truly yours,

BIO-MED ASSOCIATES, INC.



Paula C. Jeter
Medical Physicist

Enclosure

GENERAL RADIATION PROTECTION SURVEY - ANALYTICAL

Date: 2/23/2011 Facility No: 120786
State Reg No: 105238

FACILITY INFO

Facility: AECOM Phone: 732-259-9401
Address: 70 Carteret Ave State: NJ
City: Jersey City Zip: 07305
County: Hudson email: michael.grasso@aecom.com

TYPE OF INSTALLATION

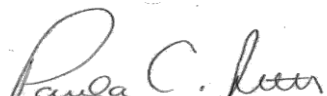
Analytical X-Ray -X-ray Fluorescence

EQUIPMENT GENERAL

Manufacturer: Thermo-Electron (Niton) Tube Mfg.: Thermo-Electron
Model: XL3T Tube S/N: Not Visible
Model No.: 31094
Control Panel S/N: 31094

NOTES AND COMMENTS

- Posting:** It was noted that when used in the field, the unit will be used mostly in the downward position with the sample on the ground. Based on workload and radiation measurements, a barrier is not required when the unit is used properly. Recommend warning others in area when unit is engaged.
- Interlocks & Safety:** Check interlocks and safety devices such as the proximity button and warning lights every six(6) months to ensure it is working properly and document it.



Paula C. Jeter

GENERAL EQUIPMENT REQUIREMENTS (NJAC 7:28-21.3)

	Yes/No
Clearly visible label bearing the conventional radiation symbol and "CAUTION THIS EQUIPMENT PRODUCES X-RAYS WHEN ENERGIZED - TO BE OPERATED ONLY BY AUTHORIZED PERSONNEL"?	<u>Yes</u>
Clearly visible label bearing the conventional radiation symbol and Clearly visible label bearing the words "CAUTION: HIGH INTENSITY X-RAY BEAM"?	<u>NA</u>
Clearly visible warning light with fail-safe characteristics labeled with the words: "X-RAY ON"?	<u>Yes</u>
Clearly visible warning light or indicator with fail-safe characteristics which shall indicate when the x-ray tube is producing x-rays or the port of the radioactive source is open?	<u>Yes</u>
Warning light located in a conspicuous position near the X-ray tube and clearly visible to person aligning or adjusting the x-ray accessory equipment?	<u>Yes</u>
Clearly visible label bearing the conventional radiation symbol and "CAUTION THIS EQUIPMENT CONTAINS RADIOACTIVE MATERIAL - TO BE OPERATED ONLY BY QUALIFIED PERSONNEL" or equivalent attached to any switch which energizes the equipment?	<u>NA</u>
Clearly visible label attached to each radiation source housing: radiation symbol, type of radioactive material, activity in Ci or mCi and source calibration date.	<u>NA</u>
Written operating procedures to ensure personnel doses are maintained within regulatory limits?	<u>Yes</u>
If dose limits are likely to be exceeded during alignment procedures do operating instructions include a warning?	<u>NA</u>

ADDITIONAL REQUIREMENTS FOR OPEN BEAM X-RAY SYSTEMS (NJAC 7:28- 21.4)

	Yes/No
Clearly visible and operational open shutter warning lights?	<u>Yes</u>
Clearly delineated boundary between radiation area and controlled areas	<u>No</u>
Beam shutter for each port of the radiation source housing that is interlocked with the x-ray accessory apparatus coupling, or collimator, in such a way that the port will be open only when the collimator or coupling is in place. Shutters at unused ports secured to prevent casual opening?	<u>NA</u>
A guard or interlock which prevents entry of any part of the body into the primary beam path?	<u>No</u>

OPERATING PROCEDURES (NJAC 7:28-21.6)

	Yes/No
All safety devices, including but not limited to, warning lights, warning indicators, and safety interlocks as required by this subchapter maintained in a fully functional operating condition?	Yes
All safety devices, including but not limited to, warning lights, warning indicators, and safety interlocks as required by this subchapter shall be maintained in a fully functional operating condition.	Yes
These safety devices shall be tested for proper functioning as recommended by the manufacturer or once every six months and records kept of all such testing.	Yes
All personnel operating, repairing and aligning analytical x-ray equipment shall be provided with appropriate finger or wrist personnel monitoring equipment	Yes
A radiation survey shall be made before a new installation is placed in routine operation and whenever changes are made that could adversely affect radiation protection.	Yes

EXPOSURE RATE SURVEY

SURVEY INSTRUMENT:

Manufacturer	<u>Victoreen</u>
Model No.	<u>451P-RYR</u>
Serial No.	<u>2072</u>
Calibration Date	<u>10/12/2010</u>
Correction Factor	<u> </u>

Max Operating Parameters

kVp	50
mA	0.04
Analysis Time (hr)	0.00833
Analysis per week	7
On time per week (hrs)	0.05833

Analytical X-Ray -Metallurgical Analysis.	Exposure Rate (mR/hr)	Dose Limit (mrem/hr)
Background	0.008	
Operator whole body & control panel	0.288	2.5
Operator extremities & control panel	0.12	37.5
X-Ray generator (5cm)	0.24	0.25
Beam stop	NA	0.25
Tube housing (5cm)	0.24	2.5
Accessory apparatus (5cm)	NA	0.25

Location	Dose Rate (mR/hr)	Dose (mR/wk)
1. Hand	0.12	7.00E-03
2. Back of unit	0.12	7.00E-03
3. Top unit on contact	0.12	7.00E-03
4. Side of unit on contact	0.24	1.40E-02
5. Below clay sample	1.32	7.70E-02
6. 2.5 feet below table (floor)	0.12	7.00E-03





BUREAU OF RADIOLOGICAL HEALTH MACHINE SOURCE INVOICE

Table with 2 columns: FACILITY #, 120786

Table with 2 columns: Type of Notice, INITIAL

Table with 2 columns: Billing Date, 01/12/11

Table with 2 columns: Due Date, 02/11/11

Table with 2 columns: Amount Due, \$ 108.00

KEEP THIS PORTION FOR YOUR RECORDS

PLEASE NOTE: Failure to pay this fee is a violation of N.J.S.A. 26:2D-9 and N.J.A.C. 7:28-3. Violators may be subject to a late fee and monetary penalties.

Main invoice form containing billing cycle, tubes, descriptions, amounts, and messages.

Send Billing Inquiries to: NJDEP, Division of Environmental Safety, Health and Analytical Programs, Bureau of Radiological Health, PO BOX 415, Trenton, NJ 08625-0415

INVOICE NO. 110053220

D0207F (R 06/28/04)



BUREAU OF RADIOLOGICAL HEALTH MACHINE SOURCE INVOICE

Table with 2 columns: FACILITY #, 120786

Table with 2 columns: Type of Notice, INITIAL

Table with 2 columns: Billing Date, 01/12/11

Table with 2 columns: Due Date, 02/11/11

Table with 2 columns: Amount Due, \$ 108.00

For name and/or address change, check box and write corrections on the back of this invoice.

DO NOT FOLD, BEND OR MARK

Enter the Amount of your Payment

Amount Due field with \$ symbol

RETURN THIS PORTION with your check made payable to:

TREASURER - STATE OF NEW JERSEY and mail to: NJDEP, DIVISION OF REVENUE, PO BOX 417, TRENTON, NJ 08646-0417

02

AECOM ATTN: ERIN FARRELL 30 KNIGHTSBRIDGE RD STE 520 PISCATAWAY NJ 08854-3963

EP1010101010101010100102000708061111110000108000000321100532207027

TECHNOLOGY CORPORATION

NO. 014086521

NEW JERSEY STATE
DESCRIPTION

INVOICE DATE
12-JAN-11

VOUCHER NO.
851959679

VENDOR NO 3882
DISCOUNT 0.00
NET AMOUNT 108.00

THIS STATEMENT AS YOUR RECORD OF PAYMENT

0.00

108.00

OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER; THERMOCHROMIC INK ON BACK

WELLS FARGO BANK
115 Hospital Drive
Van Wert, OH 45891

56-382
412

NO. 014086521

CHECK DATE	CHECK NUMBER
31-JAN-2011	014086521

CHECK AMOUNT

\$108.00

at Dollars And 00 Cents*****

NEW JERSEY STATE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF REVENUE
PO BOX 7
TRENTON, NJ 08646

M. Burke
AUTHORIZED SIGNATURES

04 2038 24 9600047953

Security features include: Checks on Back

Documents and Forms

Non-Registered Services

Registered Services

Version: 5.3

[Help](#) | [Login](#)**PAYMENT CONFIRMATION**[Printer Friendly Version](#)Your transaction was a **SUCCESS**. Please print this page for your records.**Payment Details**

Confirmation Number: 060558
Payment Type: VISA
Transaction Date: 10/01/2015
User Name: N/A

Payment Items**Charges:**

ID	Facility ID	Facility Name	Program	Service	Type	Creation Date	Amount
151539500	548362	AECOM	Radiation	Machine Source	Machine Source Renewal Reg Fee	09/16/2015	\$118.00
Total:							\$118.00

Clicking a column title will sort the table by that column.

[Make Another Payment](#)[Return](#)
[contact dep](#) | [privacy notice](#) | [legal statement](#) | [accessibility statement](#) 

 department: [njdep home](#) | [about dep](#) | [index by topic](#) | [programs/units](#) | [dep online](#)
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Department of Environmental Protection

P. O. Box 402

Trenton, NJ 08625-0402

Last Updated: June 24, 2004



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MACHINE SOURCE

INVOICE NO.
151539500

Program Interest
AECOM
70 CARTERET AVE
Jersey City, NJ. 07304
548362

Type of Notice
SECOND NOTICE

Amount Due
\$ 118.00

Billing Date
09/16/15

Due Date
10/16/15

NJEMS Bill ID
000000142724300

Summary table with rows: Total Amount Assessed (118.00), Amount Received Before Creating Installment Plan (0.00), Amount Transferred To Installment Plan (0.00), Installment Amount (0.00), Total Amount Credited (0.00), Total Amount Debited (Other Than Amounts Assessed) (0.00), Total Amount Due (118.00). Includes REMINDER section with instructions on how to pay and dispute.

See Back Of Page for Billing Inquiries

INVOICE NO.
151539500

D9901F (R 3/14/02)



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MACHINE SOURCE

INVOICE NO.
151539500

NJEMS Bill ID
000000142724300

Program Interest ID
548362

Type of Notice
SECOND NOTICE

Billing Date
09/16/15

Due Date
10/16/15

Amount Due
\$ 118.00

For name and/or address change, check box and write corrections on the back of this invoice.

Input box for corrections

DO NOT FOLD, BEND OR MARK

Enter the Amount of your payment ->

Amount of payment input field

RETURN THIS PORTION

with your check made payable to:

TREASURER - STATE OF NEW JERSEY and mail to:

NJ DEPARTMENT OF TREASURY
DIVISION OF REVENUE
PO BOX 417
TRENTON, NJ 08646-0417



AECOM

19

30 KNIGHTSBRIDGE RD STE 520
Piscataway NJ 08854-3963

EP1010101010101010050408030602111110000118000004461515395005197



MACHINE SOURCE

Program Interest

AECOM
70 CARTERET AVE
Jersey City, NJ. 07304
548362

Type of Notice

SECOND NOTICE

Amount Due

\$ 118.00

Billing Date

09/16/15

Due Date

10/16/15

NJEMS Bill ID

000000142724300

Machine Source Renewal Reg Fee
Machine Source
This bill was created by the Assessments Trigger.

ASSESSMENTS

Start-End Date: 09/01/2015-08/31/2016 Activity: RMS150001 Status: Open (Pending Payment)
Assessment Type: Fee(Renewal) Amount: \$ 118.00
Regulatory Basis: Total Amount Assessed: \$ 118.00