Location:	Site Use:
55 Clinton Street	School
Paterson, NJ 07522	
	Watershed Name:
	Lower Passaic River
Ward:	Targeted Pollutants:
1	total nitrogen (TN), total phosphorus (TP), and
	total suspended solids (TSS) in surface runoff
Green Infrastructure Description:	Estimated Stormwater Captured and/or
Bioretention system and enhanced tree pits	127 200 college
	137,200 ganons
Implementation Date: 10/10/2017	
Green Infrastructure System: 1,540 sq. ft. rain	n garden and three 16 sq. ft. enhanced tree pits
Drainage Area: 6,130 sq. ft. (blacktop playgro	und runoff)
	,
Funding Sources:	
New Jersey Department of Environmental Prote	ction 319(h)
Partners/Stakeholders:	
Rutgers Cooperative Extension Water Reso	burces Program, New Jersey Department of
Environmental Protection, Great Swamp Water	shed Association, Paterson Public Schools Board
of Education and Facilities, School 4 Staff and S	students, and Passaic County
Appendix A · Site Photograph – Previous Cond	ition
repender 11. One i notogruph - i tevious cond.	
Appendix B: Site Concept Plan	
Appendix C: Site Design Plan	
Appendix D: Site Photograph – Current Condit	ion

APPENDIX A:

Site Photograph – Previous Condition

August 24, 2015



APPENDIX B:

Site Concept Plan



APPENDIX C:

Site Design Plan

DR. FRANK NAPIER JR. SCHOOL OF TECHNOLOGY PUBLIC SCHOOL 4 PATERSON GREEN INFRASTRUCTURE 55 CLINTON STREET, PATERSON PASSAIC COUNTY, NEW JERSEY

PROJECT DESCRIPTION:

AN UNUSED AND ERODED ASPHALT AREA WILL BE DEPAVED AND REPLACED WITH A RAIN GARDEN THAT WILL CAPTURE STORMWATER RUNOFF FROM 6,130 SF OF IMPERVIOUS SURFACES FROM THE PLAYGROUND. THREE ENHANCED TREE PITS WILL BE CONSTRUCTED TO CAPTURE ADDITIONAL RUNOFF AND TO PROVIDE SHADE TO THE AREA.

LIST OF DRAWINGS:

SHEET NAME	TITLE
COVER	COVER SHEET
P-1	EXISTING CONDITIONS AND DEMOLITION PLAN
P-2	PROPOSED SITE PLAN
P-3	PLANT ING PLAN
DT-1	RAIN GARDEN DET AILS
DT-2	TREE PIT DET AILS
DT-3	PLANTING AND LANDSCAPE DETAILS
DT-4	SOIL EROSION AND SEDIMENT CONTROL



LOCATION MAP:



LEGEND:

	EXISTING FENC	E
	EXISTING DRAIN	IAGE AREA
	EXISTING TREE	
	LIMIT OF WORK	
	PROPOSED GRE	EEN INFRASTRUCTURE
	EXISTING CENT	ERLINE
	EXISTING BUILD	DING
\bigcirc	EXISTING UTILIT	TY POLE
	EXISTING CATC	H BASIN
	EDGE OF PAVE	MENT
	AREA TO BE DE	PAVED
100-1	EXISTING CONT	OURS
+100.00 CODE	EXISTING SPOT	ELEVATIONS
	AC - AREA CORNER BL - BUILDING CORNER	EP - EDGE OF PAVEMENT CB - CATCH BASIN

CHRISTOPHER C ORROPTA Ph D F	PROFESSIONAL ENGINEER - N.I.I.CENSE # 37532		11/1/11	(and a log alight	DATE OUZIER	DRAWN CHECKED APPROVED DATE CCO MAI CCO 0215.17	04.17.17, 06.21.17	
	DESCRIPTION							
REVISIONS	No. DATE							
DR FRANK NAPIFR JR SCHOOL OF TECHN	DR. FRANK NAPIER JR. SCHOOL OF TECH PUBLIC SCHOOL 4 PUBLIC SCHOOL 4 55 CLINTON STREET, PATERSON PASSAIC COUNTY, NJ COVER SHEET							
						/		
	s			Nam Jarcan Agricultural				









QUANTITY SIZE PLANT SPECIES LIST 35 QUART AT 40 QUART EP 20 QUART EP 20 QUART HM 30 QUART SSCHIZACHYRUM SCOPARIUM 56 3.4 FT SPREAD CA 2 3.4 FT SPREAD CA 2 3.4 FT SPREAD CA 3 2-3° CAL. B&B PV PRUNUS VIRGINIANA Immediate Strukt 4T F#BARBELE RUD PLAYINE DETAIL	PLANT LIST				, P.E. 21/17 DATE DATE 2.15.17 REV 17,06.21.17
35 QUART AT ASCLEPIAS TUBEROSA 40 QUART EP ECHINACEA PURPUREA 80 QUART EP JUNCUS EFFUSUS 20 QUART HM HIBISCUS MOSCHEUTOS 30 QUART RUDBSCHAINFOLIA 30 QUART SHRUBS 6 3-4 FT SPREAD CA 2 3-4 FT SPREAD EUP 3 2-3' CAL B&B P FUNUS VIRGINIANA	QUANTITY	<u>SIZE</u>		PLANT SPECIES LIST	A, Ph.D # 37532
60 OUART JE JUNCUS EFFUSUS 20 QUART HM 35 QUART HM 30 QUART SHRUBS 6 3-4 FT SPREAD CA 2 3-4 FT SPREAD CA 3 2-3° CAL. B&B PV PRIMODULATION ADDITION NORMAN	35 40	QUART QUART	AT EP	ASCLEPIAS TUBEROSA ECHINACEA PURPUREA	ULICENSE
30 UUART SS SCHIZACHYRIUM SCOPARIUM 30 QUART SS SCHIZACHYRIUM SCOPARIUM 5 HRUBS 6 3-4 FT SPREAD CA CLETHRA ALNIFOLIA 2 3-4 FT SPREAD EUP EUPATORIUM PURPUREUM 3 2-3° CAL. B&B PV PRUNUS VIRGINIANA 4 T UUS HERMEEDE RUG RAMING DETAL 4 T UUS CAL DE RUG RAMING DETAL	80 20	QUART QUART	JE HM	JUNCUS EFFUSUS HIBISCUS MOSCHEUTOS	ER C. OI IGINEER - N IGINEER - N Hecked
SHRUBS 6 3-4 FT SPREAD 2 3-4 FT SPREAD 3 2-3" CAL B&B PV PRUNUS VIRGINIANA 4 7 P RH HM CA 4 7 CA 4 7 CA CA CA CA CA CA CA CA CA CA	35 30	QUART	RH SS	SCHIZACHYRIUM SCOPARIUM	
3 2-3" CAL. B&B PV PRUNUS VIRGINIANA	6 2	3-4 FT SPREAD 3-4 FT SPREAD	CA EUP	SHRUBS CLETHRA ALNIFOLIA EUPATORIUM PURPUREUM	CHRI PROFEG
EMAIK MAPIER JR. SCHOOL OF TECHNOLOGY RANK POLICING STREET PARENCE STREAM RANK POLICING STREET PARENCE STREAM RANK POLICING STREET PARENCE STREAM RANK POLICING STREET PARENCE STREAM RANK POLICING STRAM RANK POLICING STRAM RANK POLICING STRAM RANK POLICING STRAM RANK POLICING STR	3	2-3" CAL. B&B	PV	PRUNUS VIRGINIANA	
$\overline{\mathbf{L}}$		HERBACEOUS PLUG PLANTI	NG DETAIL		RANK NAPIER JR. SCHOOL OF TECHNOLOGYREVISIONSPUBLIC SCHOOL 4REVISIONSPUBLIC SCHOOL 4No. DateDBLIC SCHOOL 4No. DateTERSON GREEN INFRASTRUCTURE 319(h)PLANTON STREET, PATERSON55 CLINTON STREET, PATERSON04.17.17TREES ADDED55 CLINTON STREET, PATERSONPLANTING PLANPLANTING PLAN
					20
					Rundersey Agricultural Experiment Station
				PLANTING PLAN	SHEET NAME P-3



CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PRIC 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIA
- SPECIFICATIONS OR IF, IN THE CONTRACTOR'S OPINION,
- 3. THE ENGINEER SHALL INSPECT ALL PLANTING BED ARE EVIDENCE OF POOR DRAINAGE, THE CONTRACTOR SHAL
- 4. THE CONTRACTOR SHALL AVOID DISTURBING ALL EXISTIN . DIMENSIONS AND SHAPE WILL VARY, REFER TO SITE PL
- RIVER STONE PROTECTION DIMENSIONS ARE TYPICAL AN
- 7. RIVER STONE PROTECTION SHALL SLOPE TO RAIN GARD 8. REFER TO SITE PLAN TO DETERMINE OUTLET TYPE (RO
- 9. REFER TO SITE PLAN FOR ALL ELEVATIONS AND INVERT 10. THE CONTRACTOR SHALL EXCAVATE 12" LOWER THAN
- MAXIMUM. 11. THE SUBGRADE OF THE RAIN GARDEN SHALL BE LEVEL
- 12" OF BIORETENTION MEDIA. 12. THE CONTRACTOR SHALL INSTALL OVERFLOW IF SPECIFI 13. THE BIORETENTION LAYER SHALL BE LEVEL TO ENSURE
- PLANTING. 14. INLET AND OUTLET PROTECTION SHALL BE UNDERLAIN
- 15. INLETS AND OUTLETS SHALL NOT INHIBIT THE FLOW OF
- 16. THE CONTRACTOR SHALL TILL THE BERM SECTION AND
- 17. ALL DISTURBED AREAS EXCLUSIVE OF RAIN GARDEN ANI 18. THE CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION 19. CONTRACTOR SHALL PERFORM REQUIRED TESTING TO E DONE PRIOR TO EXCAVATION AND INSTALLATION OF POR

SPECIFICATIONS:

1. THE APPROVAL OF MATERIALS AND MIXING OF SAND, C BIORETENTION MEDIA SHALL CONSIST OF 70% SAND ANI

SHALL BE INFORMED OF THE RESULTS.

- 2. SAND SHALL AT THE MINIMUM CONFORM TO THE SIEVE PREFERABLE WHERE AVAILABLE.
- 3. UNDERLYING SOILS SHALL BE TILLED/SCARIFIED PRIOR 4. ALL BIORETENTION MEDIA SHALL BE PLACED FROM THE
- CROSS THE RAIN GARDEN. 5. RAIN GARDEN SHALL BE CONSTRUCTED TO DIMENSIONS
- 6. 3-5 INCH DELAWARE RIVER STONE SHALL BE USED FO
- 7. NON-DYED, TRIPLE-SHREDDED HARDWOOD MULCH SHAL 8. PLANTING OF RAIN GARDEN AND SLOPED BERM SHALL
- 9. THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFO
- VERSION.

R. FRANK NAPIER JR. SCHOOL O PUBLIC SCHOOL 4 PUBLIC SCHOOL 4 PATERSON GREEN INFRASTRU 55 CLINTON STREET, PAT 55 CLINTON STREET, PAT PASSAIC COUNTY, N RAIN GARDEN DETAI



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CONSTRUCTION NOTES:

- HEREON.
- CONTRACTOR SHALL NOTIFY THE ENGINEER.
- MATERIALS. PAVEMENT.
- CONSTRUCTION BEGINS.

- PERIMETER SHALL BE LINED WITH GEOTEXTILE FABRIC.
- 11. THE BIORETENTION MEDIA LAYER SHALL BE INSTALLED EVENLY OVER THE STORAGE LAYER AND FABRIC.
- BEDS. LATEST VERSION. REFER TO SHEET DT-3 FOR PERVIOUS CONCRETE.

SPECIFICATIONS:

- DIMENSIONS FOR ENHANCED TREE PITS.
- 2. THE BIORETENTION LAYER SHALL BE COMPRISED OF 70% SAND AND 30% COMPOST MIXTURE.
- 4. REFER TO DT-3 FOR PERVIOUS CONCRETE DETAILS.

PERMEABLE SOIL SEPARATION FABRIC

4' TO 6' TYP.

(SEE SITE PLAN)

1. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PRIOR TO EXCAVATION INCLUDING ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES. 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS DIFFER MATERIALLY FROM THOSE REPRESENTED ON THESE DRAWINGS AND THE SPECIFICATIONS OR IF, IN THE CONTRACTOR'S OPINION, SAID CONDITIONS CONFLICT WITH THE DESIGNS SHOWN

3. THE ENGINEER SHALL INSPECT ALL PLANTING BED AREAS BEFORE PLANTING TO INSURE THAT ADEQUATE DRAINAGE EXISTS. IF ANY AREAS TO BE PLANTED SHOW EVIDENCE OF POOR DRAINAGE, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION. 4. THE CONTRACTOR SHALL HAVE ALL UTILITIES MARKED BEFORE ANY EXCAVATION. IF ANY UTILITIES INTERFERE WITH THE PROJECT, THE

5. THE ENTIRE CONTINUOUS TREE PIT AND/OR ENHANCED TREE PIT SHALL BE EXCAVATED, THE CONTRACTOR SHALL DISPOSE OF ANY EXCESS 4. THE CONTRACTOR SHALL AVOID OVER COMPACTING THE EXISTING MATERIALS IN ORDER TO AVOID POOR INFILTRATION OR SHORT LIFETIME OF

5. THE CONTRACTOR SHALL ESTABLISH ALL ELEVATIONS AND LINES AS SHOWN IN THE SITE PLAN FOR REVIEW BY THE ENGINEER BEFORE ANY

6. THE CONTRACTOR SHALL VERIFY THAT THE SUBGRADE IS CONSISTENT WITH LINE, GRADE, AND ELEVATIONS AS INDICATED IN THE SITE PLAN. ANY AREAS SHOWING EROSION OR POTENTIAL PONDING SHALL BE REGRADED BEFORE SUBBASE INSTALLATION. 7. IMMEDIATELY AFTER THE SUBGRADE IS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL BEGIN SUBBASE CONSTRUCTION WHICH INCLUDES ALL MATERIALS BELOW THE PAVEMENT AND ABOVE THE EXISTING SUBGRADE. 8. THE CONTRACTOR SHALL PLACE GEOTEXTILE FABRIC IN CONFORMANCE WITH MANUFACTURER'S STANDARDS. ALL ADJACENT FABRIC SHALL BE OVERLAPPED BY AT LEAST 16 INCHES. THE FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF THE EXCAVATED BASE. THE ENTIRE PIT

10. THE STORAGE LAYER (NJDOT #2) SHALL BE INSTALLED EVENLY OVER THE EXISTING SUBBGRADE AND PERMEABLE FABRIC. STORAGE LAYER AGGREGATE SHALL BE INSTALLED TO A MAXIMUM OF 95% STANDARD PROCTOR COMPACTION. PERMEABLE SOIL SEPARATION FABRIC SHALL BE INSTALLED ON TOP OF STORAGE LAYER PRIOR TO INSTALLING BIORETENTION MEDIA.

12. THE INFILTRATION RATE SHALL BE AT LEAST 5-30 FT/DAY OR 50 % OF THE HYDRAULIC CONDUCTIVITY (D2434).

14. AFTER SUBBASE AGGREGATE INSTALLATION THE GEOTEXTILE FABRIC SHALL BE FOLDED BACK ALONG ALL BED EDGES. THE FABRIC SHALL REMAIN SECURE UNTIL ADJACENT SOILS ESTABLISH VEGETATION. ANY NECESSARY MEASURES SHALL BE TAKEN TO PREVENT SEDIMENT FROM WASHING INTO 15. CONCRETE SHALL BE INSTALLED IN CONFORMANCE WITH NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2007 OR

1. THE TREE GATES SHALL BE THE RETROFIT COLLECTION GRATES (R-9002) FROM NEENAH FOUNDRY. GRATES SHALL BE 48" ON EACH SIDE WITH A 16" DIAMETER EXPANDABLE TREE OPENING OR APPROVED ALTERNATIVE FOR CONTINUOUS TREE PIT. FOR ENHANCED TREE PIT THE GRATE SHALL BE 48" – 72" ON EACH SIDE WITH A 16" DIAMETER EXPANDABLE TREE OPENING OR APPROVED ALTERNATIVE. SEE SITE PLAN FOR GRATE

3. THE COURSE STORAGE LAYER IN DETAIL 1 SHALL BE COMPRISED OF NJDOT #2 WASHED STONE. THE LAYER SHALL BE COMPACTED MULTIPLE TIMES. ALL OTHER STORAGE LAYERS SHALL BE COMPRISED OF NJDOT #57 WASHED STONE.

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SHEET NAME

DT-2



OPEN LAWN AND TURF AREAS

1. SEED ALL REMAINING PARK AREAS WITH TURF TYPE FALL FESCUE AND PERENNIAL RYEGRASS BLEND (LOFTS - SUMMER STRESS MIX II OR APPROVED EQUIVALENT). INSTALL AT A RATE OF 350 LBS. PER ACRE PER MANUFACTURERS SPECIFICATIONS.

TOPSOILING, SEEDING AND MULCHING NOTES

1. ANY UNDISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED FOR MORE THAN 10 DAYS MUST BE SEEDED AND MULCHED IMMEDIATELY. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE REQUIRED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR SHALL BE SEEDED AND MULCHED WITH A QUICK GROWING TEMPORARY SEEDING MIXTURE AND MULCH. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE SEEDED AND MULCHED WITH A PERMANENT SEED MIXTURE AND MULCH.

2. DIVERSIONS, CHANNELS, SEDIMENTATION BASINS, SEDIMENT TRAPS, AND STOCKPILES MUST BE SEEDED AND MULCHED IMMEDIATELY.

3. GRADED AREAS SHALL BE TEMPORARILY SEEDED AND MULCHED IMMEDIATELY FOLLOWING EARTH MOVING PROCEDURES. TEMPORARY SEED SHALL BE ANNUAL RYE GRASS APPLIED AT A RATE OF 3 LBS. PER 1000 SQ. FT.

4. AFTER SEEDING, HAY OR STRAW MULCH MUST BE APPLIED AT A RATE OF AT LEAST 3.0 TONS PER ACRE. MULCH SHALL BE ANCHORED BY EITHER CRIMPING WITH A COULTER IMPLEMENT, OR BY STAPLING BIODEGRADABLE NETTING TO THE SURFACE.

5. SITE PREPARATION TO UPLAND AREAS: APPLY 1 TON OF AGRICULTURAL-GRADE LIMESTONE PER ACRE PLUS 10-20-10 FERTILIZER AT THE RATE OF 500 LB. PER ACRE. WORK IN WHERE POSSIBLE. SEEDING OF DISTURBED UPLAND AREAS (BEYOND LIMITS OF RIPARIAN ENHANCEMENT AREA) TO BE DONE USING MIX OF FINE FESCUE AT 35 LBS/ACRE (PURE LIVE SEED) PLUS PERENNIAL RYEGRASS AT 15 LBS/ACRE (PURE LIVE SEED).

6. TOPSOIL SHALL BE A CLEAN FRIABLE LOAM WITH SUFFICIENT ORGANIC CONTENT (2.75%) TO PROMOTE PLANT VIGOR. AMENDMENTS SHALL BE ADDED AS NEEDED TO IMPROVE DEFICIENT SOILS. TOPSOIL SHALL BE RETURNED AT A LOOSE DEPTH OF FIVE INCHES TO ALLOW FOR SETTLEMENT.

7. ESTABLISH PERMANENT SEEDING AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETE. UNLESS OTHERWISE INDICATED, PERMANENT SEEDING SHALL BE SEED MIXTURE SPECIFIED IN TABLE.

8. SEE TABLES FOR SEED SPECIES MIXTURE AND APPLICATION RATES.

9. SEED MIXES ARE AVAILABLE AT ERNST CONSERVATION SEEDS IN MEADVILLE, PA. WEBSITE: WWW.ERNSTSEED.COM OR PHONE: 1-800-873-3321.

10. NATIVE SHRUBS AND HERBACEOUS PLUGS ARE AVAILABLE AT PINELANDS NURSERY AND SUPPLY, COLUMBUS NJ. WEBSITE: WWW.PINELANDSNURSERY.COM OR

GENERAL LANDSCAPING NOTES

1. ALL PLANT MATERIALS SHALL CONFIRM TO THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD FOR NURSERY STOCK (LATEST EDITION)

2. INSPECTION OF PLANTING BEDS - THE LANDSCAPE ARCHITECT SHALL INSPECT ALL PLANTING AREAS BEFORE ANY TOPSOILING OR PLANTING IS BEGUN TO INSURE THAT ADEQUATE DRAINAGE EXISTS. IF ANY AREAS TO BE LANDSCAPED SHOW EVIDENCE OF POOR DRAINAGE, THE LANDSCAPE ARCHITECT SHALL NOTIFY THE OWNER IMMEDIATELY FOR CORRECTIVE ACTION

3. THE LANDSCAPE ARCHITECT SHALL APPROVE ALL PLANT MATERIAL AND STAKED PLANT LOCATIONS PRIOR TO INSTALLATION. ALL HERBACEOUS PLUG PLANTINGS SHALL BE A MINIMUM 3 INCH DEPTH. PLUGS SHALL BE PLANTED 1 FOOT O.C. AS INDICATED ON

4. ALL TREES, SHRUBS, AND GROUNDCOVER SHALL BE PLACED IN CONTINUOUS MULCHED BEDS 4" IN DEPTH. MUCH SHALL BE TRIPLE SHREDDED HARDWOOD.

5. ALL TREES, SHRUBS, AND GROUNDCOVER SHALL BE AS SPECIFIED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS AND COMMENTS NOTED ON THE DRAWINGS.

6. TOPSOIL SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR FOR PLANTING ACCORDING TO THE PLANS AND DETAILS.

7. PREPARED TOPSOIL FOR BACKFILLING AROUND TREE BALLS SHALL BE A MIXTURE OF VOLUME OF THE FOLLOWING MATERIALS IN QUANTITIES SPECIFIED: ½ COMPOST, ½ TOPSOIL

8. ALL HERBACEOUS PLUG PLANTINGS SHALL BE MINIMUM 3 INCH DEPTH. PLUGS SHALL BE PLANTED 1 FOOT O.C. AS INDICATED ON PLAN.

- CROWN OF ROOT BALL TO BE SET EVEN WITH FINISH GRADE 3" MAX. MULCH OVER ENTIRE PLANTING HOLE

- KEEP AWAY FROM TRUNK

- CREATE RAISED SAUCER AROUND EDGE OF ROOT BALL, REMOVE AFTER FIRST

BACKFILL WITH TOPSOIL MIXED WITH

- FINISHED GRADE

・CUT & REMOVE TOP ½ OF BURLAP, TWINE AND WIRE BASKET FROM ROOT

- EXISTING SUB GRADE, TO AVOID SETTLING DO NOT EXCAVATE BENEATH ROOT BALL

TREE PLANTING DETAIL

N.T.S.

PERENNIALS &	GRASSES PLA	NT LIST		
QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
35	AT	Aschlepias Tuberosa	BUTTERFLY MILKWEED	QUART
40	EP	Echinacea Purpurea	PURPLE CONEFLOWER	QUART
80	JE	Juncus effusus	SOFT RUSH	QUART
20	НМ	Hibiscus Moscheutos	ROSE MALLOW	QUART
35	RH	Rudbeckia Hirta	BLACK-EYED SUSAN	QUART
30	SS	Schizachyrium Scoparium	LITTLE BLUESTEM	QUART

SHRUB PLANT LIST

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
6	CA	Clethra alnifolia	SWEET PEPPERBUSH	3–4 FT SPREAD
2	EUP	Eupatorium Pupureum	JOE PYE WEED	3–4 FT SPREAD

TREE PLANT LIST

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
3	PV	Prunus Virginiana	CHOKEBERRY	2-3" CAL. B&B

PLANTING SCHEDULE

CHRISTOPHER C OBROPTA Ph D F	PROFESSIONAL ENGINEER - NULLICENSE # 37532		11/1/11/	(and a contract	DATE 00/2 1/11	DRAWN CHECKED APPROVED DATE	04.17.17, 06.21.17
	DESCRIPTION	TREES DETAILS ADDED					
REVISIONS	No. DATE	1 04.17.17					
DR. FRANK NAPIER JR. SCHOOL OF TECH			PATERSON GREEN INFRASTRUCTURE	55 CLINTON STREET. PATERSON			PLANTING AND LANDSCAPE DETAI
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SOIL EROSION AND SEDIMENT CONTROL NOTES

Hudson Essex Passaic Soil Conservation District

- 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 DESTABILIZATION 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 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@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 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 LAWNS 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 $2\frac{1}{2}$ -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 OWNER'S INFORMATION SHALL BE PROVIDED. ADDITIONAL MEASURES DEEMED NECESSARY BY DISTRICT OFFICIALS SHALL BE IMPLEMENTED AS CONDITIONS WARRANT.

http://hepsoilnj.org HEPSCD251SESCNOTESrev2014













APPENDIX D:

Site Photograph – Current Condition

October 10, 2017

