Location: 127 Preakness Avenue Paterson, NJ 07522	Site Use: School
	Watershed Name:
	Molly Ann Brook
Ward:	Targeted Pollutants:
2	total nitrogen (TN), total phosphorus (TP), and
	total suspended solids (TSS) in surface runoff
Green Infrastructure Description:	Estimated Stormwater Captured and/or
Bioswale and bioretention system series	Treated Per Year:
	115,600 gallons

Implementation Date: 10/17/2017

Green Infrastructure System: A 480 sq. ft. bioswale connects to two rain garden cells sized at

360 sq. ft. and 460 sq. ft.

Drainage Area: 4,385 sq. ft. (parking lot runoff)

Funding Sources:

New Jersey Department of Environmental Protection 319(h)

Partners/Stakeholders:

Rutgers Cooperative Extension Water Resources Program, New Jersey Department of Environmental Protection, Great Swamp Watershed Association, Paterson Public Schools Board of Education and Facilities, STEM High School Staff and Students, Passaic County

Appendix A: Green Infrastructure Feasibility Study for the City of Paterson, pages 50-51

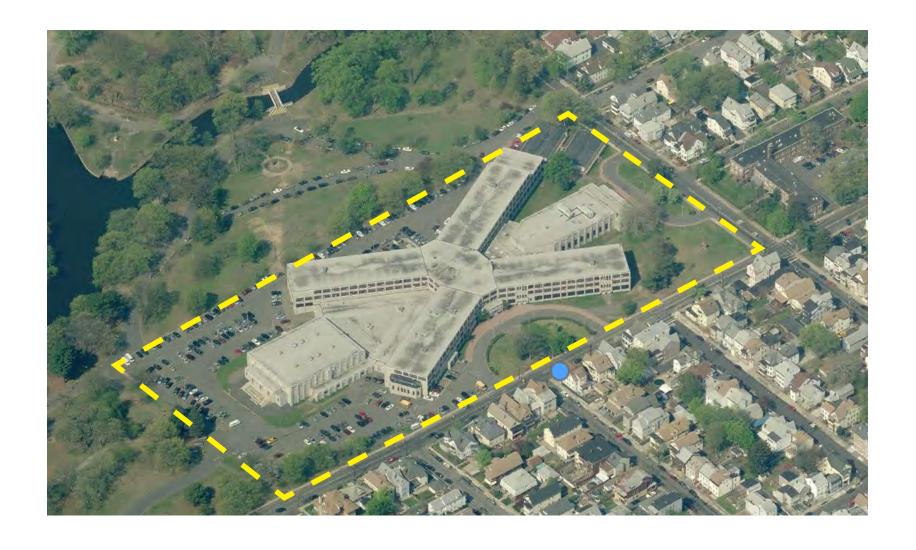
Appendix B: Site Concept Plan

Appendix C: Site Design Plan

Appendix D: Site Photograph – Current Condition

APPENDIX A:

Green Infrastructure Feasibility Study for the City of Paterson
Pages 50-51









The site is JFK High School located at 97 Preakness Avenue. The site slopes towards the south where all the stormwater flows directly into the Passaic River. The school has no external downspouts. There are large areas of parking that could be repaved soon; pervious pavement should be considered. There is a park adjacent to the school with many resident geese; a riparian buffer would help to deter the geese and filter runoff. In the adjacent park a bioswale could be implemented to slow and filter runoff entering the waterway.

SUITABLE GREEN INFRASTRUCTURE STRATEGIES:

▼ rain gardens	curb cuts	stormwater planters
☐ rain barrels	✓ buffers	cisterns
pervious pavement		depaving

APPENDIX B:

Site Concept Plan



APPENDIX C:

Site Design Plan

JOHN F. KENNEDY HIGH SCHOOL

PATERSON GREEN INFRASTRUCTURE 319(h) 127 PREAKNESS AVE, PATERSON PASSAIC COUNTY, NEW JERSEY

PROJECT DESCRIPTION:

STORMWATER RUNOFF FROM THE EAST SIDE OF THE PARKING LOT WILL BE REDIRECTED INTO A BIOSWALE THROUGH A CURB CUT. THE BIOSWALE WILL DISCHARGE INTO A TIERED BIORETENTION SYSTEMS. ANY OVERFLOW FROM THE SYSTEM WILL BE DIRECTED TO A NEARBY CATCH BASIN.

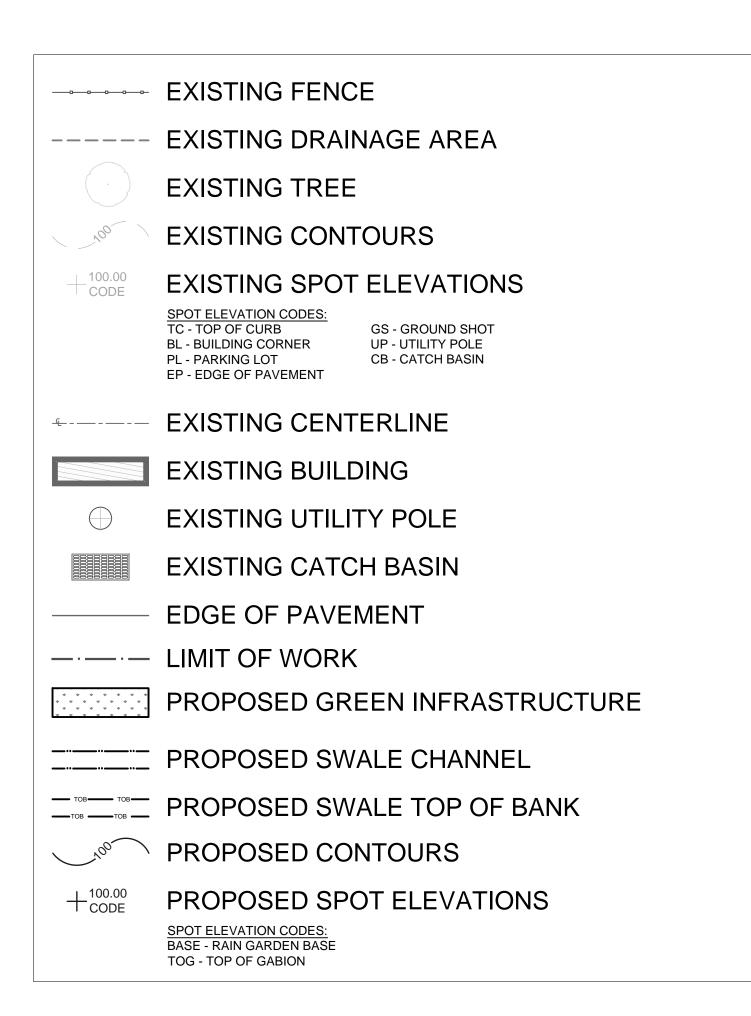
LIST OF DRAWINGS:

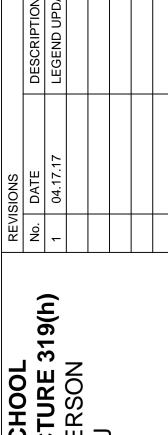
SHEET NAME	TITLE
COVER	COVER SHEET
P-1	EXISTING CONDITIONS AND DEMOLITION PLAN
P-2	PROPOSED SITE PLAN
P-3	PLANTING PLAN
DT-1	RAIN GARDEN DETAILS
DT-2	BIOSWALE AND CURB CUT DETAILS
DT-3	PLANTING AND LANDSCAPE DETAILS
DT-4	SOIL EROSION AND SEIDMENT CONTROL

LOCATION MAP:



LEGEND:



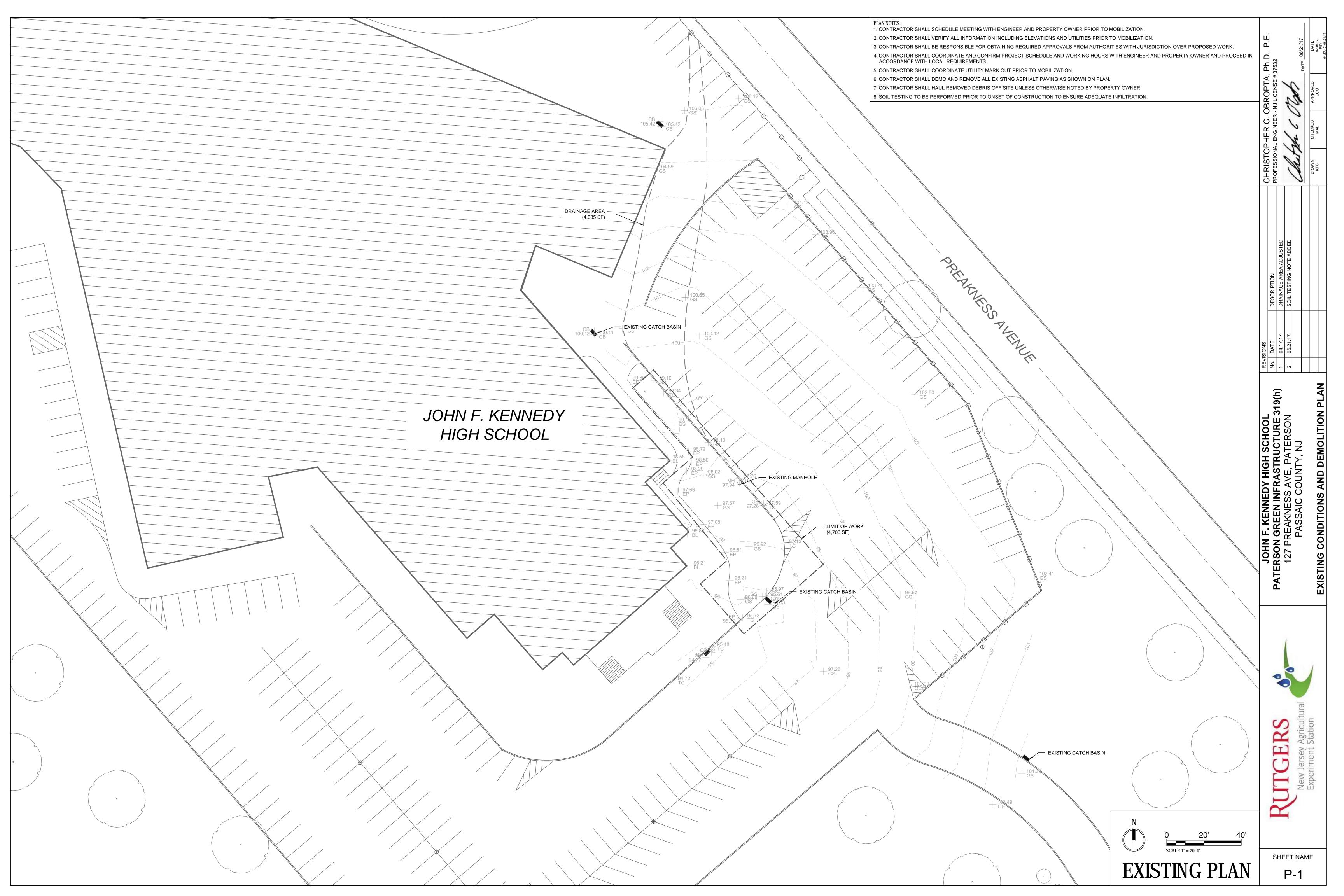


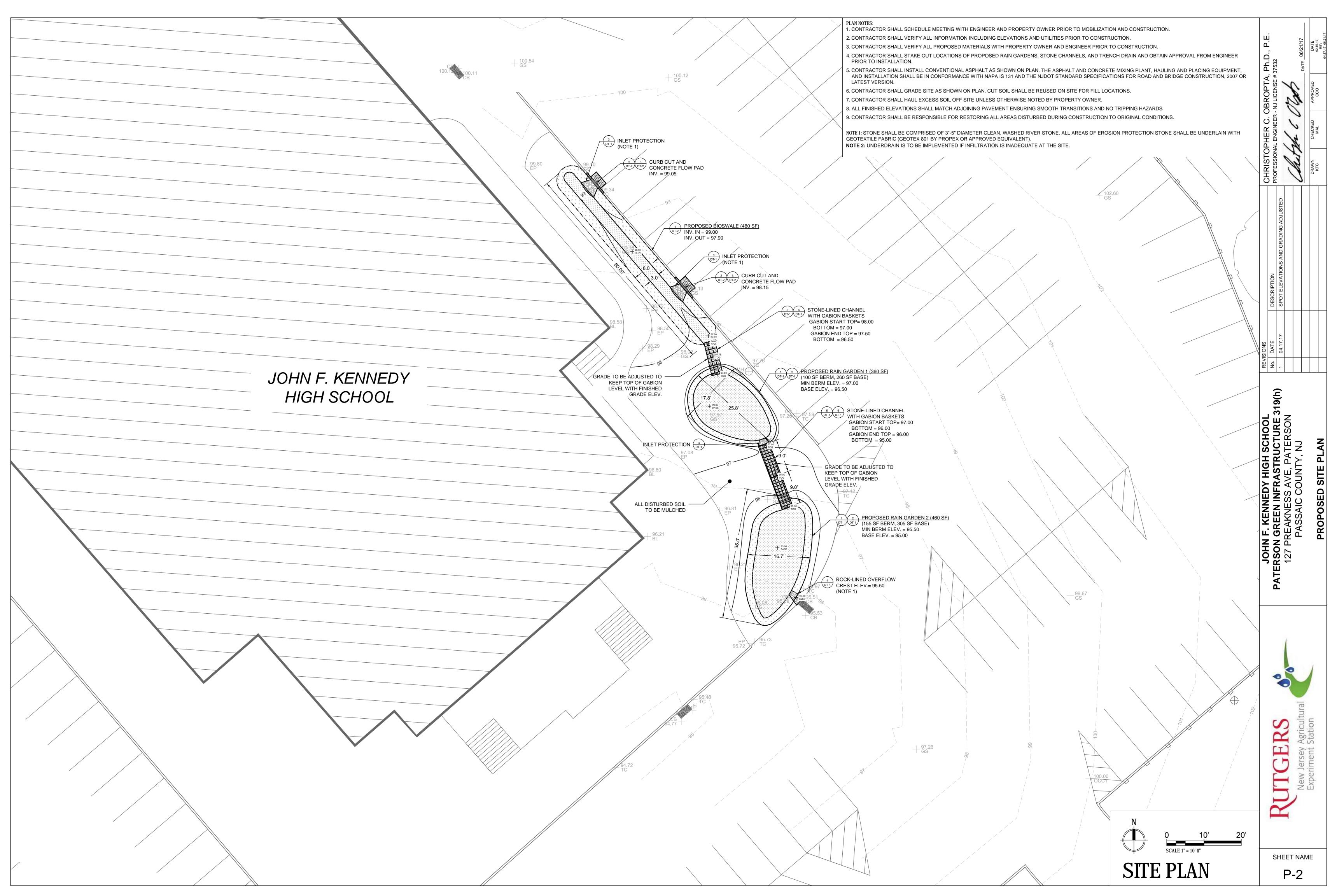
PATERSON GREEN INFRAS
127 PREAKNESS AVE,
PASSAIC COUN

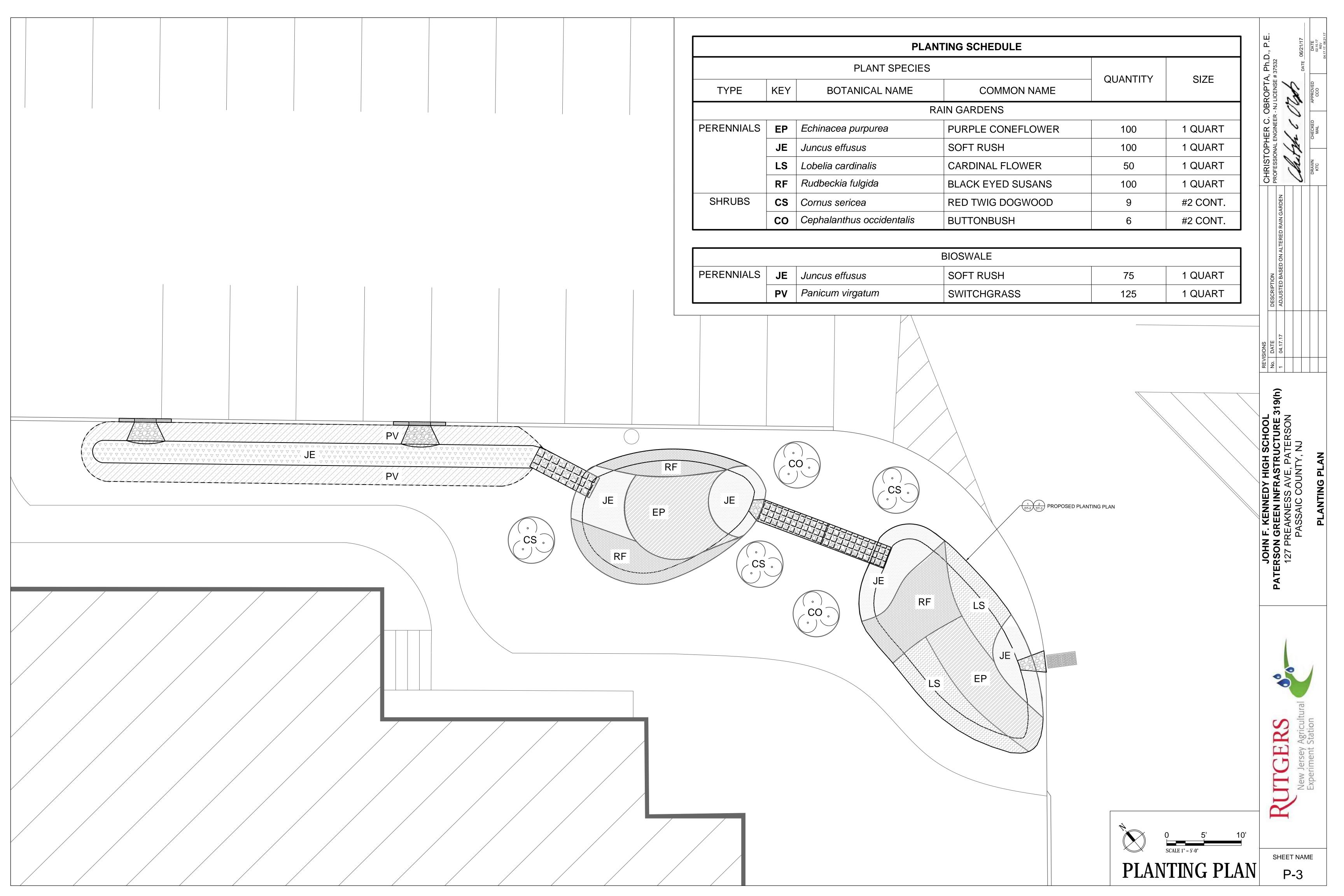


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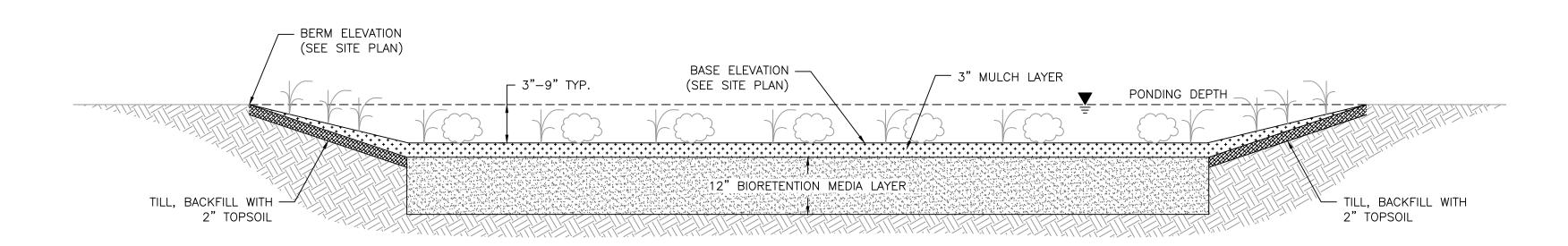
COVER

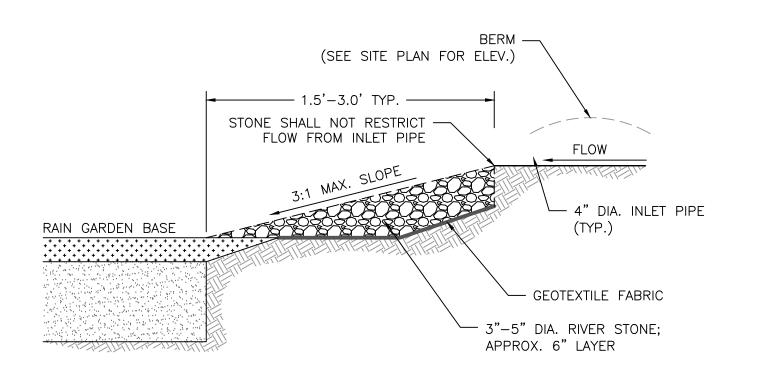




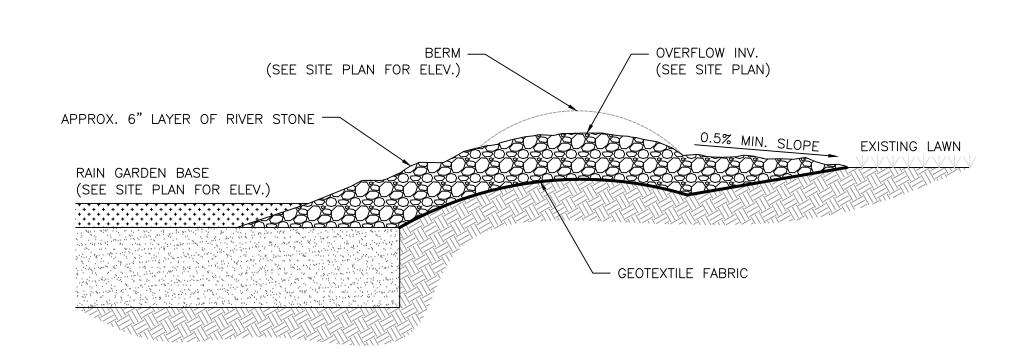


RAIN GARDEN EXCAVATION SECTION

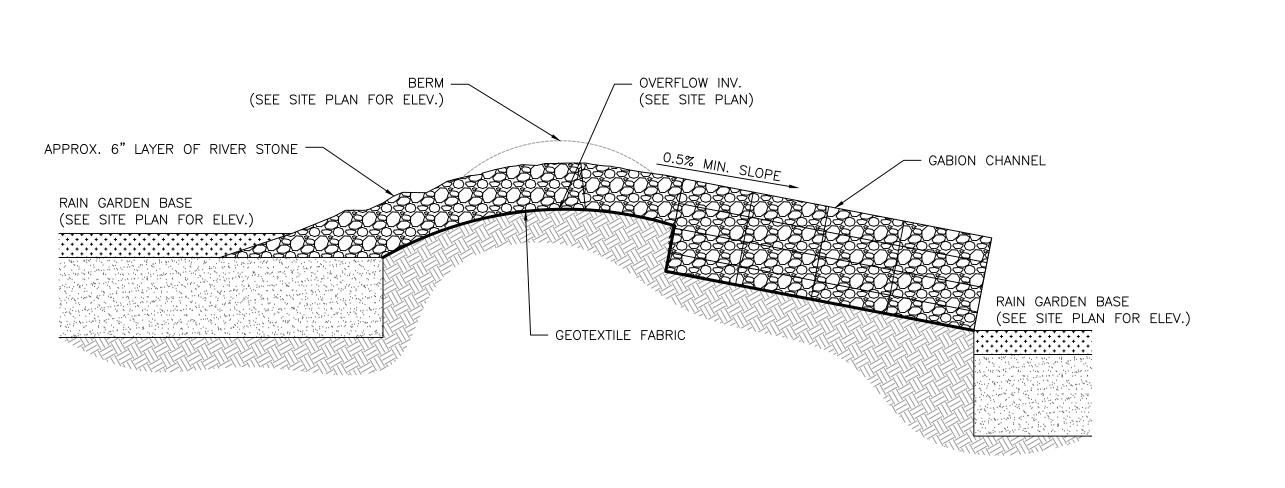


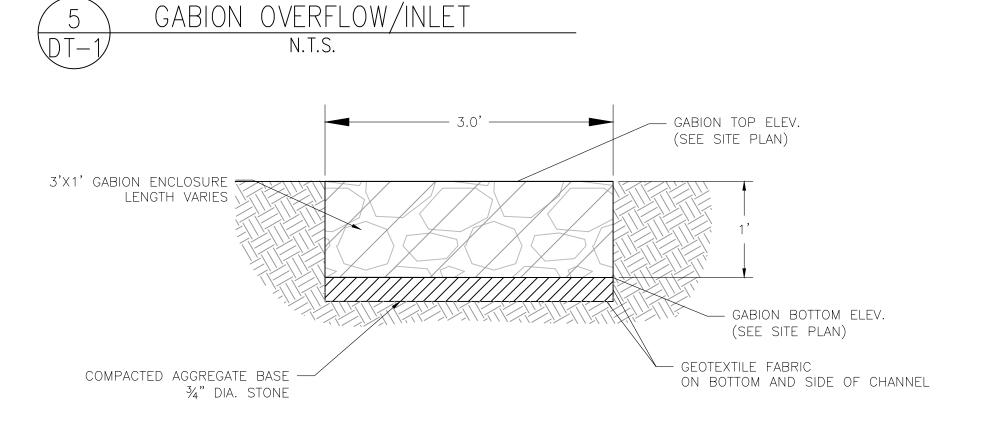


INLET PROTECTION CROSS-SECTION N.T.S.











CONSTRUCTION NOTES:

- 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 HEREON. 3. THE ENGINEER SHALL INSPECT ALL PLANTING BED AREAS BEFORE MULCHING TO INSURE THAT ADEQUATE DRAINAGE EXISTS. IF ANY AREAS TO BE MULCHED SHOW
- EVIDENCE OF POOR DRAINAGE, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION.
- 4. SOIL TESTING IS TO BE PERFORMED PRIOR TO CONSTRUCTION TO ENSURE ADEQUATE DRAINAGE. THE CONTRACTOR SHALL AVOID DISTURBING ALL EXISTING TREES. ANY DISTURBANCE TO TREES OR TREE ROOTS MUST BE COORDINATED WITH THE PROPERTY OWNER.
- DIMENSIONS AND SHAPE WILL VARY, REFER TO SITE PLAN. RIVER STONE PROTECTION DIMENSIONS ARE TYPICAL AND MAY VARY PER SITE. CONSULT THE ENGINEER AND SITE PLAN FOR DIMENSIONS ON A PER SITE BASIS.
- . RIVER STONE PROTECTION SHALL SLOPE TO RAIN GARDEN BASE.
- 9. REFER TO SITE PLAN TO DETERMINE OUTLET TYPE (ROCK-LINED OVERFLOW OR DRAINTECH RISER). 10. REFER TO SITE PLAN FOR ALL ELEVATIONS AND INVERTS.

15. INLET AND OUTLET PROTECTION SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC.

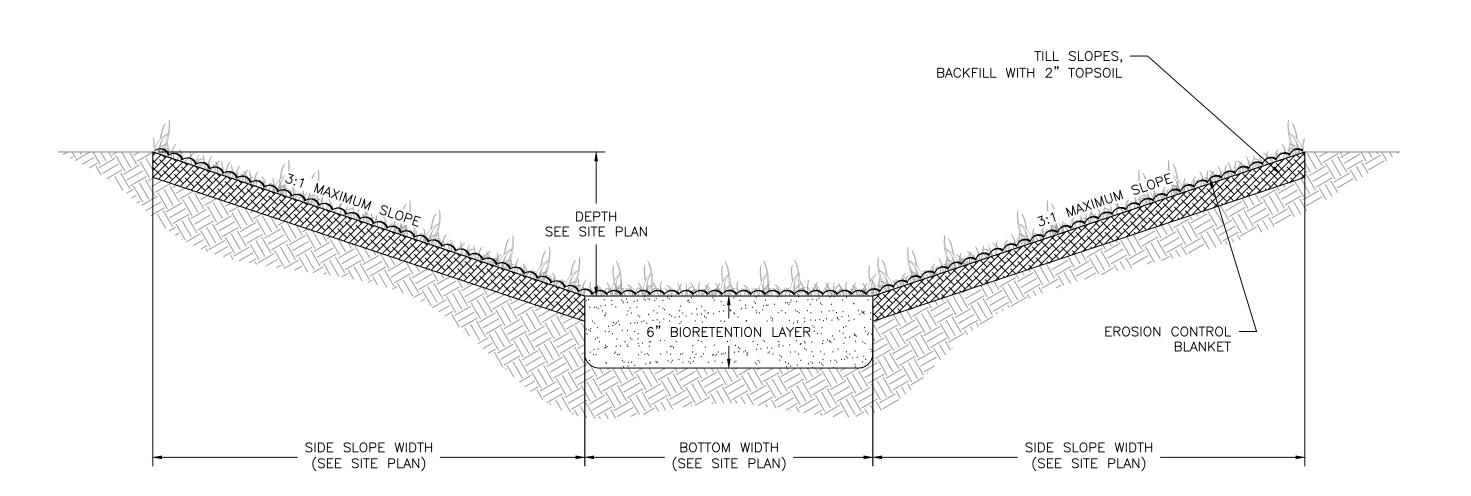
- 11. THE CONTRACTOR SHALL EXCAVATE 12" LOWER THAN THE BASE ELEVATION SHOWN ON THE SITE PLANS. THE SLOPES OF THE RAIN GARDEN SHALL BE AT A 3:1
- 12. THE SUBGRADE OF THE RAIN GARDEN SHALL BE LEVEL TO ENSURE PROPER DRAINAGE. CONTRACTOR SHALL OBTAIN ENGINEER APPROVAL PRIOR TO BACKFILLING WITH 12" OF BIORETENTION MEDIA.
- 13. THE CONTRACTOR SHALL INSTALL OVERFLOW IF SPECIFIED IN SITE PLANS PRIOR TO BACKFILLING WITH BIORETENTION MEDIA. 14. THE BIORETENTION LAYER SHALL BE LEVEL TO ENSURE PROPER DRAINAGE. CONTRACTOR SHALL OBTAIN ENGINEER APPROVAL PRIOR TO SPREADING MULCH AND
- 16. INLETS AND OUTLETS SHALL NOT INHIBIT THE FLOW OF WATER FROM THE STREET. THE RIVER STONE SHALL BE PLACED BELOW THE BOTTOM OF THE PIPE. 17. THE CONTRACTOR SHALL TILL THE BERM SECTION AND BACKFILL WITH TOPSOIL.
- 18. ALL DISTURBED AREAS EXCLUSIVE OF RAIN GARDEN AND SLOPED BERM SHALL BE RESTORED TO ORIGINAL CONDITIONS BY CONTRACTOR. 19. THE CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION MEETING WITH THE PROJECT ENGINEER PRIOR TO ANY WORK ON SITE.

SPECIFICATIONS:

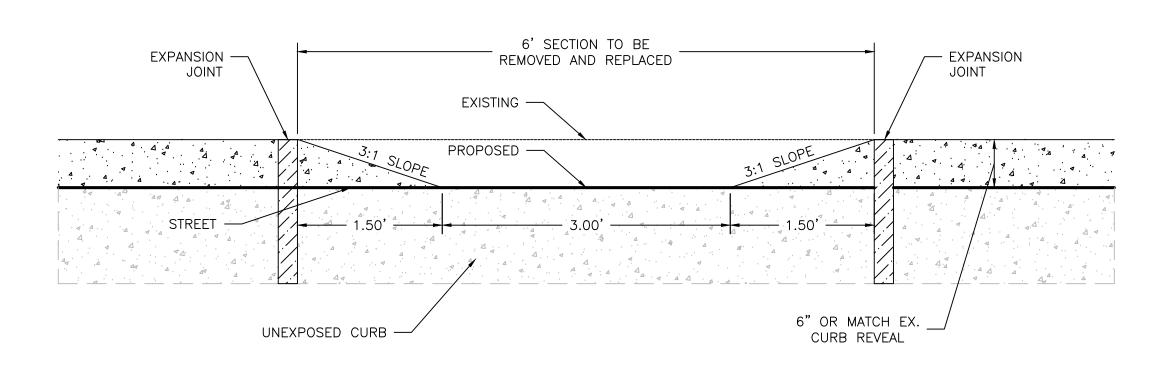
- 1. MAX COVER OVER TOP OF PIPE IS 4 FT. CONTACT ADS IF OTHERWISE GREATER. 2. THE APPROVAL OF MATERIALS AND MIXING OF SAND, COMPOST, AND SOIL SHALL BE DONE UNDER THE SUPERVISION OF THE PROJECT ENGINEER/LANDSCAPE ARCHITECT.
- BIORETENTION MEDIA SHALL CONSIST OF 70% SAND AND 30% COMPOST MIXTURE. 3. SAND SHALL AT THE MINIMUM CONFORM TO THE SIEVE ANALYSIS FOR CONCRETE AGGREGATE SAND (ASTM C-33). USGA TEE/GREEN SIEVE GRADATION MIX IS PREFERABLE WHERE AVAILABLE.
- 4. UNDERLYING SOILS SHALL BE TILLED/SCARIFIED PRIOR TO SPREADING/MIXING OF BIORETENTION MEDIA. 5. ALL BIORETENTION MEDIA SHALL BE PLACED FROM THE SIDES OF THE FACILITIES, AND IN NO EVENT SHALL ANY TRACKED OR WHEELED EQUIPMENT BE PERMITTED TO
- CROSS THE RAIN GARDEN. 6. RAIN GARDEN SHALL BE CONSTRUCTED TO DIMENSIONS INDICATED ON THE SITE PLAN.
- 7. 3-5 INCH DELAWARE RIVER STONE SHALL BE USED FOR STONE CHANNEL AND INLET/OUTLET PROTECTION.
- 8. NON-DYED, TRIPLE-SHREDDED HARDWOOD MULCH SHALL BE USED.
- 9. PLANTING OF RAIN GARDEN AND SLOPED BERM SHALL BE COMPLETED AS INDICATED ON THE SITE PLAN. 10. THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH THE NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2007 OR LATEST VERSION.

3

SHEET NAME







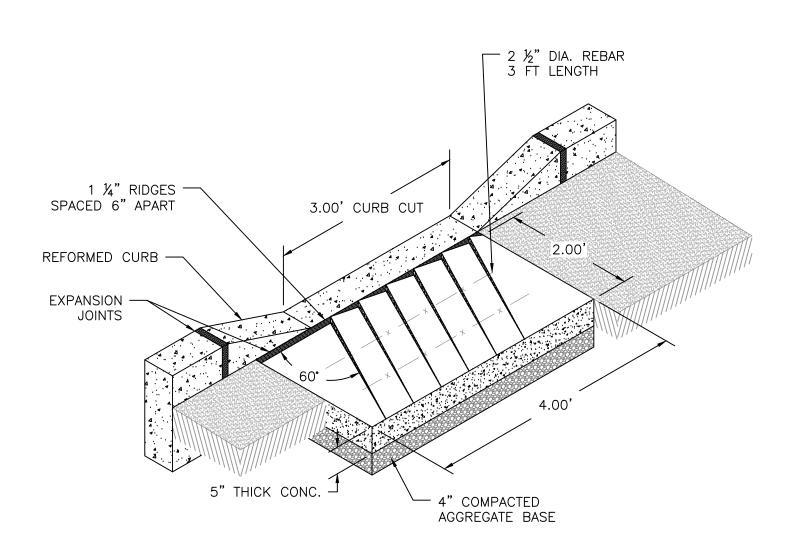


CONSTRUCTION NOTES:

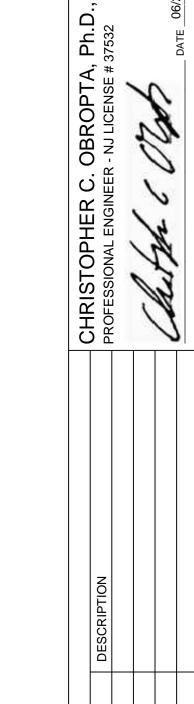
- 1. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PRIOR TO EXCAVATION INCLUDING ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES.
- 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS DIFFER MATERIALLY FROM THOSE REPRESENTED ON THESE DRAWINGS AND THE SPECIFICATIONS OR IF, IN THE CONTRACTOR'S OPINION, SAID CONDITIONS CONFLICT WITH THE DESIGNS SHOWN HEREON.
- 4. SOIL TESTING IS TO BE PERFORMED PRIOR TO CONSTRUCTION TO ENSURE ADEQUATE DRAINAGE.
- 5. THE ENGINEER SHALL INSPECT ALL PLANTING BED/SEEDING AREAS BEFORE PLANTING/SEEDING TO INSURE THAT ADEQUATE DRAINAGE EXISTS FOR BIOSWALES. IF ANY AREAS TO BE PLANTED/SEEDED SHOW EVIDENCE OF POOR DRAINAGE, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES MARKED BEFORE ANY EXCAVATION. IF ANY UTILITIES INTERFERE WITH THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL AVOID OVER COMPACTING THE EXISTING MATERIALS TO AVOID POOR INFILTRATION.
- 8. THE CONTRACTOR SHALL VERIFY THAT SWALE WILL CAPTURE STORMWATER RUNOFF FROM DESIRED DRAINAGE AREA. 9. THE CONTRACTOR SHALL ESTABLISH ALL ELEVATIONS AND LINES AS SHOWN ON THE SITE PLAN FOR REVIEW BY THE ENGINEER BEFORE ANY CONSTRUCTION BEGINS.
- 10. THE CONTRACTOR SHALL VERIFY THAT THE SUBGRADE IS CONSISTENT WITH LINE, GRADE, AND ELEVATIONS AS INDICATED ON THE SITE PLAN. ANY AREAS SHOWING EROSION OR POTENTIAL PONDING SHALL BE REGRADED BEFORE SUBBASE INSTALLATION.
- 11. IMMEDIATELY AFTER THE SUBGRADE IS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL BEGIN SUBBASE CONSTRUCTION WHICH INCLUDES ALL MATERIALS BELOW THE SWALE BASE AND ABOVE THE NATIVE SUBGRADE.
- 12. PRIOR TO BACKFILLING BOISWALE WITH BIORETENTION MEDIA, THE CONTRACTOR SHALL SCARIFY NATIVE SOIL TO PROMOTE INFILTRATION INTO UNDERLYING SUBGRADE.
- 13. THE BIORETENTION MEDIA LAYER SHALL BE INSTALLED EVENLY OVER THE NATIVE SUBGRADE. 14. THE BIOSWALE SHALL HAVE AN INFILTRATION RATE SHALL BE AT LEAST 5-30 FT/DAY OR 50 % OF THE HYDRAULIC CONDUCTIVITY (D2434).
- 15. THE CONTRACTOR SHALL INSTALL GABION BASKET CHECK DAM (IF SPECIFIED) AS SHOWN ON SITE PLANS. A MINIMUM OF SIX INCHES OF BASKET SHALL BE BURIED BENEATH SWALE.
- 16. THE CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKET ALONG BASE AND SIDE SLOPES OF NEWLY CONSTRUCTED SWALE FOR STABILIZATION.

SPECIFICATIONS:

- 1. THE BIORETENTION LAYER SHALL BE COMPRISED OF 70% SAND AND 30% COMPOST MIXTURE.
- 2. INLET PROTECTION FOR SWALE SHALL BE COMPRISED OF 3"-5" DIAMETER RIVER STONE. STONE SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC.
- 3. GABION BASKET CHECK DAM SHALL BE DURA-WELD GALVANIZED & PVC COATED BASKETS. BASKETS ARE TYPICALLY 6'X3'X1', REFER TO SITE PLAN FOR BASKET SIZE. 4. GABION STONE SHALL BE 4" - 10" DIAMETER, CLEAN.
- 5. SWALE SHALL BE SEEDED WITH CONTRACTOR TURF MIX UNLESS SPECIFIED OTHERWISE ON PLANS.





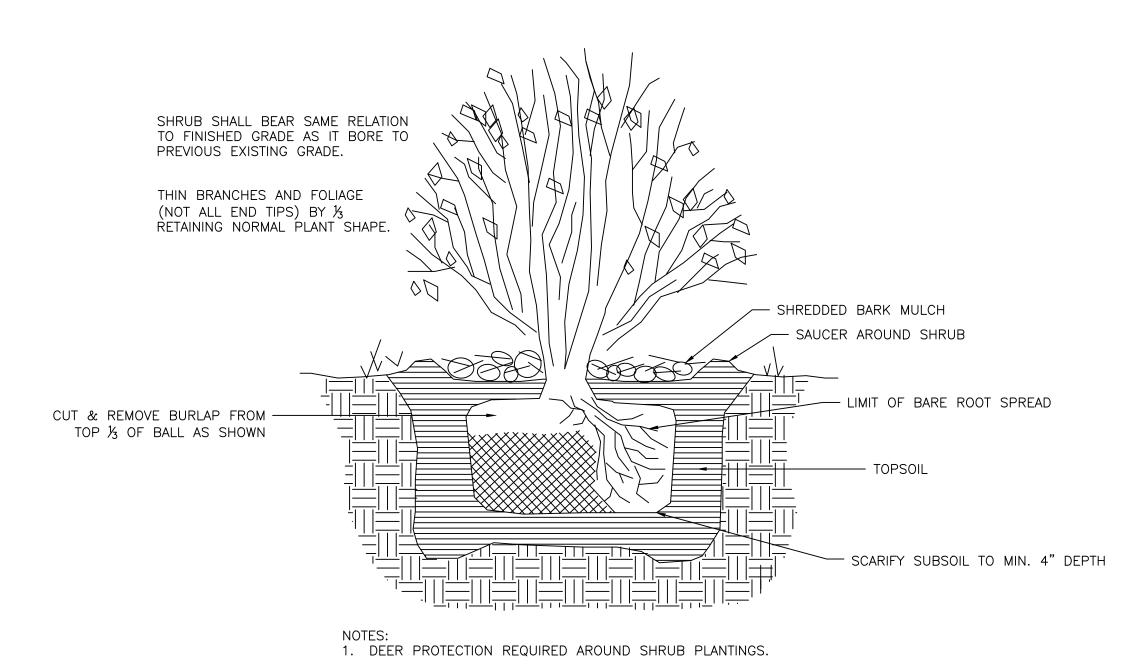




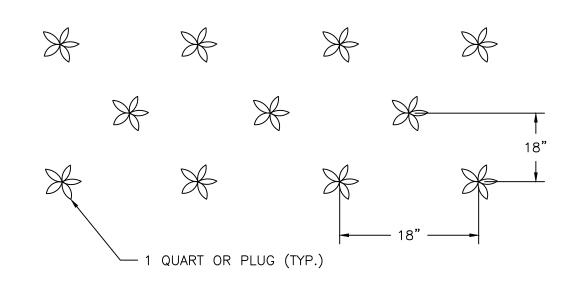


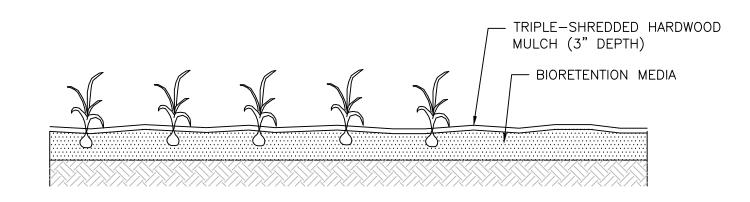
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DT-2











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.

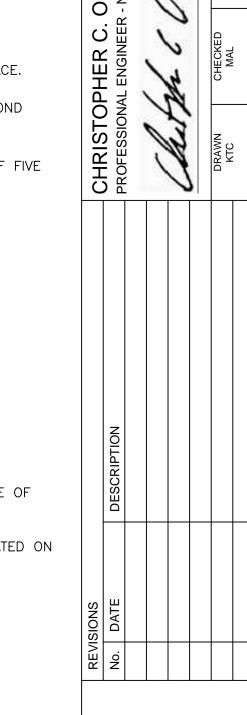
10. NATIVE SHRUBS AND HERBACEOUS PLUGS ARE AVAILABLE AT PINELANDS NURSERY AND SUPPLY, COLUMBUS NJ. WEBSITE: WWW.PINELANDSNURSERY.COM OR

PHONE 1-800-667-2729

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 PLAN
- 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: 1/3 COMPOST, 1/3 TOPSOIL
- 8. ALL HERBACEOUS PLUG PLANTINGS SHALL BE MINIMUM 3 INCH DEPTH. PLUGS SHALL BE PLANTED 1 FOOT O.C. AS INDICATED ON PLAN.

PLANTING SCHEDULE						
PLANT SPECIES		TOTAL OLIANITITY	CIZE			
TYPE	KEY	BOTANICAL NAME	COMMON NAME	TOTAL QUANTITY	SIZE	
PERENIALS	LS	Lobelia cardinalis	CARDINAL FLOWER	50	1 QUART	
	EP	Echinacea purpurea	PURPLE CONEFLOWER	100	1 QUART	
	RF	Rudbeckia fulgida	BLACK EYED SUSAN	100	1 QUART	
	JE	Juncus effusus	SOFT RUSH	175	1 QUART	
	PV	Panicum virgatum	SWITCHGRASS	125	1 QUART	
SHRUBS	со	Cephalanthus occidentalis	BUTTONBUSH	6	#2 CONT.	
	cs	Cornus sericea	RED TWIG DOGWOOD	9	#2 CONT.	



PASSAIC COUNTY, NJ

PLANTING AND LANDSCAPE DETAILS





SHEET NAME

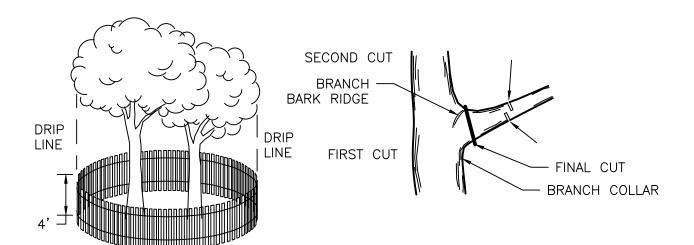
DT-3

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.

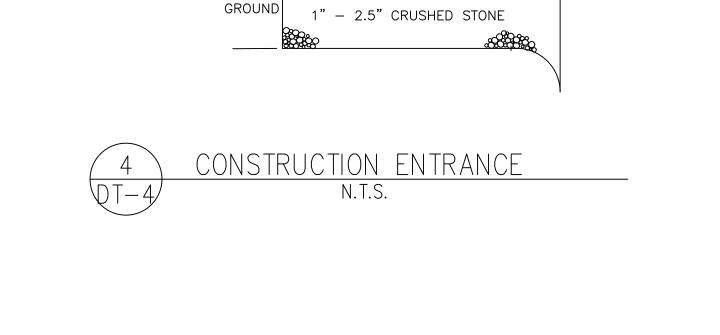
http://hepsoilnj.org HEPSCD251SESCNOTESrev2014



1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PROTECTED DURING AND AFTER CONSTRUCTION.

- 2. 4 FOOT HIGH SNOW FENCE SHALL BE PLACED AT THE DRIP LINE OF THE TREE AND
- ROOTS SHALL NOT BE CUT IN ANY AREA INSIDE THE DRIP LINE OF THE BRANCHES TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH WITH TRUNK OR MAIN LIMB, GOOD GRADE OF TREE PAINT AND BE PERFORMED UNDER THE SUPERVISION OF A





100 LF, INSTALL OVER

STABILIZATION FABRIC

MIN. PUBLIC R.O.W. -

| PROVIDE APPROPRIATE TRANSITION

BETWEEN STABILIZED CONST.

ENTRANCE AND PUBLIC R.O.W.

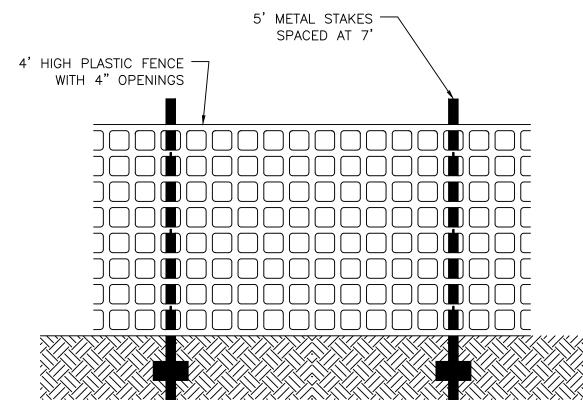
1"-2.5" DIA.

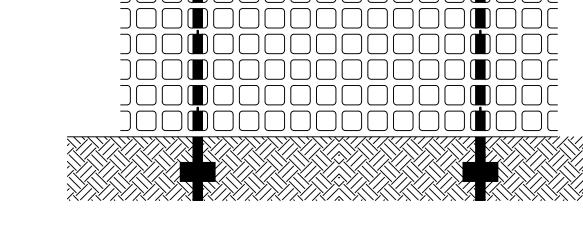
EXIST.

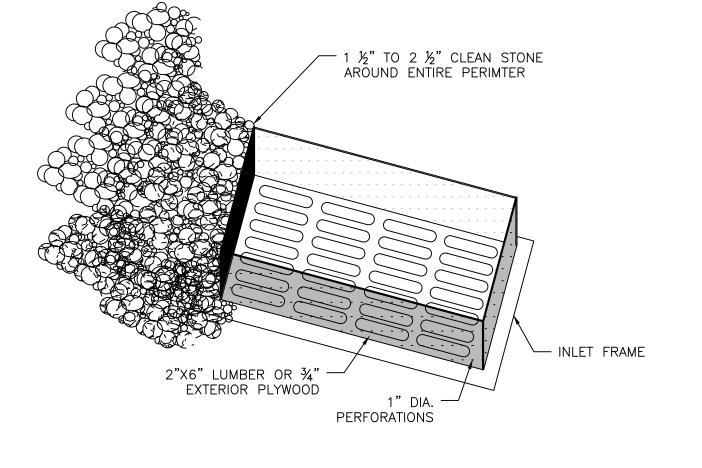
CRUSHED STONE

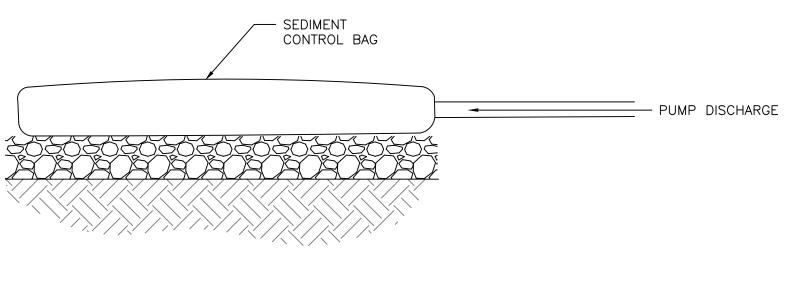
EXIST. —

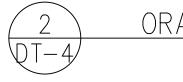
GROUND







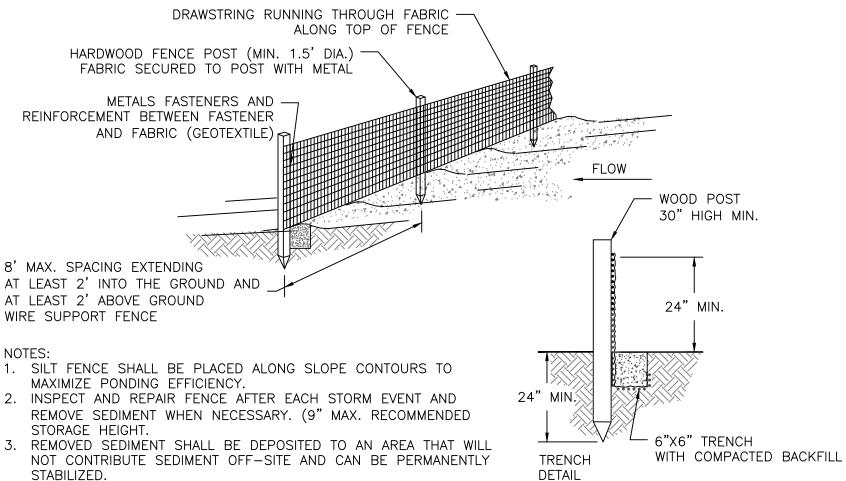




ORANGE BARRIER FENCE





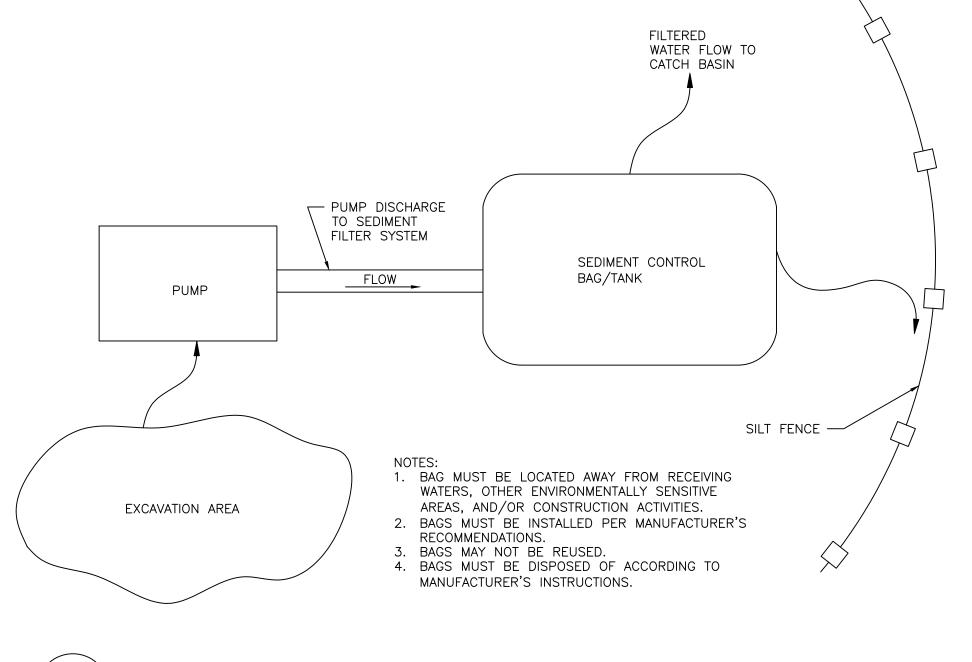




- 2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND
- 3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY
- 4. PLACE SILTE FENCE AT LOCATIONS SHOWN ON THE SOIL EROSION
- 5. THE SLOPE OF THE LAND FOR AT LEAST 30 FEET ADJACENT TO ANY SILT FENCE SHALL NOT EXCEED 5%.

N.T.S.

6. SILT FENCE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED BY ENGINEER.





DEWATERING PLAN DETAIL

SHEET NAME

SO 27



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DT-4

APPENDIX D:

Site Photograph – Current Condition October 17, 2017

