



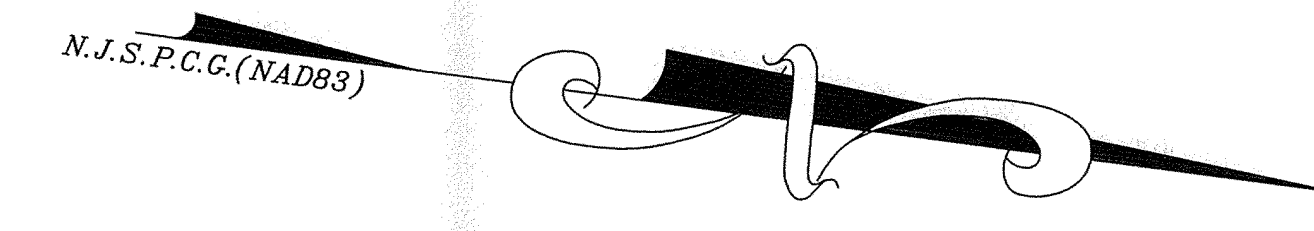
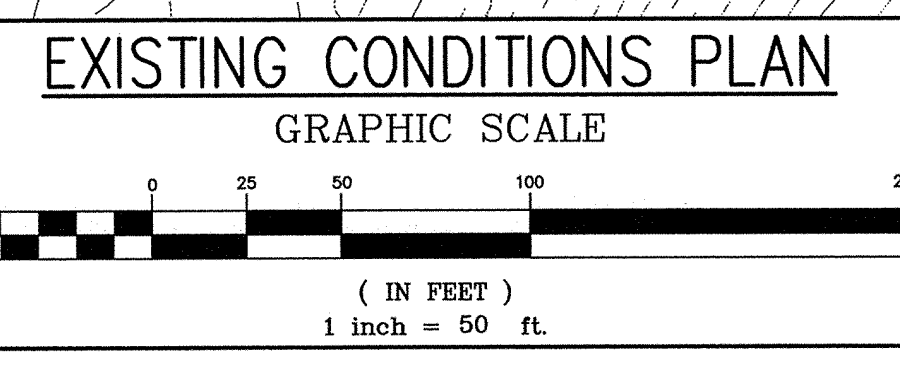
LEGEND

- SIGN
- UTILITY POLE
- LIGHT POLE
- TRAFFIC SIGNAL
- MONUMENT
- IRON PIPE/PIN
- DRILL HOLE/PK. NAIL/SPIKE
- STONE HEAD/PILE
- SET STONE
- TRAFFIC MANHOLE
- DRAINAGE/STORM MANHOLE
- TELEPHONE MANHOLE
- SANITARY/SEPTIC MANHOLE
- FIRE HYDRANT
- WATER WELL
- WATER SUPPLY VALVE
- GAS SUPPLY VALVE
- GAS METER
- SANITARY/SEPTIC CLEANOUT
- MONITORING WELL
- DRAINAGE/STORM INLET (TYPE B)
- DRAINAGE/STORM INLET (TYPE E)
- DRAINAGE/STORM INLET (TYPE A)
- TAX BLOCK NUMBER
- TAX MAP LOT NUMBER (EXISTING)
- TAX MAP LOT NUMBER (PROPOSED)
- OVERHEAD WIRE
- CHAIN LINK FENCE
- EASEMENT LINE
- WETLANDS LINE
- WETLANDS BUFFER
- NATURAL GAS LINE
- SILT FENCE
- SANITARY SEWER LINE
- DRAINAGE/STORM LINE
- WATER SUPPLY LINE
- UNDERGROUND ELECTRIC LINE
- LIMIT OF DISTURBANCE
- GUIDE RAIL
- RIVER/STREAM SHORELINE
- DRAINAGE DITCH
- FILE MAP LOT LINE
- P.O. LOT LINE (EXISTING)
- P.O. LOT LINE (PROPOSED)
- ADJACENT TAX LOT LINE
- EDGE OF PAVEMENT
- EDGE OF DIRT ROAD
- ▨ CONCRETE WALL/HEADWALL
- CONCRETE

4.	REVISED PER SCSOD COMMENTS	PR	05-01-19
3.	REVISED PER SCSOD COMMENTS	PR	12-18-18
2.	REVISED PER SCSOD 9/7/18 REVIEW LETTER	PR	10-8-18
1.	REVISED PER SCSOD 7/30/18 REVIEW LETTER	PR	8-20-18
REV.	DESCRIPTION	BY	DATE

SOIL EROSION & SEDIMENT CONTROL PLAN
FOR
WANTAGE UNITED METHODIST CHURCH
BLOCK 136, LOT 3
IN THE
TOWNSHIP OF WANTAGE, SUSSEX COUNTY, N.J.

DRAWN BY: PR	CHECKED BY: K.A.W.	DATE: 06-27-2018
KENNETH A. WENTINK & ASSOC.		
30 OLD CLOVE ROAD		
WANTAGE, N.J. 07461 (973) 875-4112		
KENNETH A. WENTINK PROFESSIONAL ENGINEER & LAND SURVEYOR, N.J. LIC. No. 15991		
SCALE AS SHOWN	SHEET	
1/4	4	



SEQUENCE OF CONSTRUCTION

1. Notify appropriate County Soil Conservation District. 3 DAYS PRIOR TO CONSTRUCTION
2. Install Hay bales, Fabric Filter Fences, and vehicle wheel cleaning blanket. 2 DAY(S)
3. Strip and Stockpile Topsoil, Seed with Temporary Seeding 4 DAY(S)
4. Rough Grading and Drainage 7 DAY(S)
5. Construct Building (if applicable) 120 DAY(S)
6. Construct Curbs (if applicable) NA DAY(S)
7. Install Utilities 7 DAY(S)
8. Fine Grade and Base Course for Roads and/or Driveways. 4 DAY(S)
9. Slope Stabilization - Permanent Seeding 3 DAY(S)
10. Complete Project Landscaping 4 DAY(S)

General Notes for Soil Erosion & Sediment Control

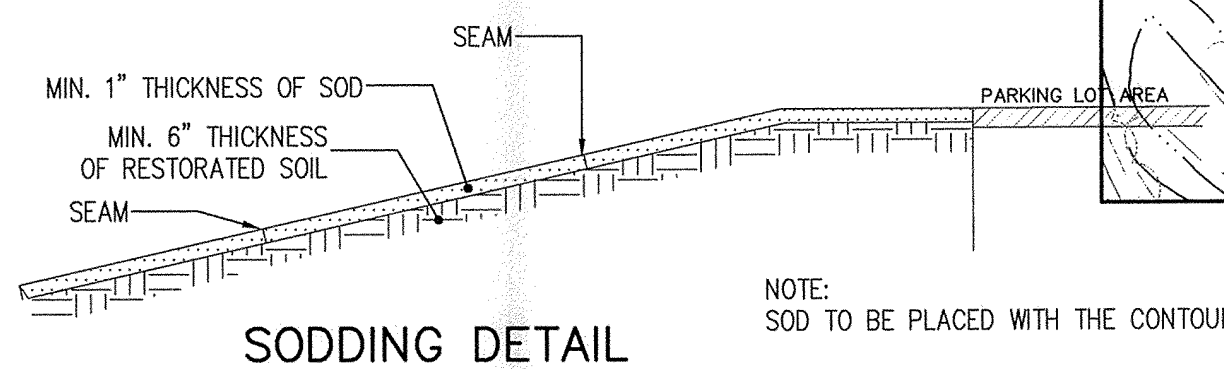
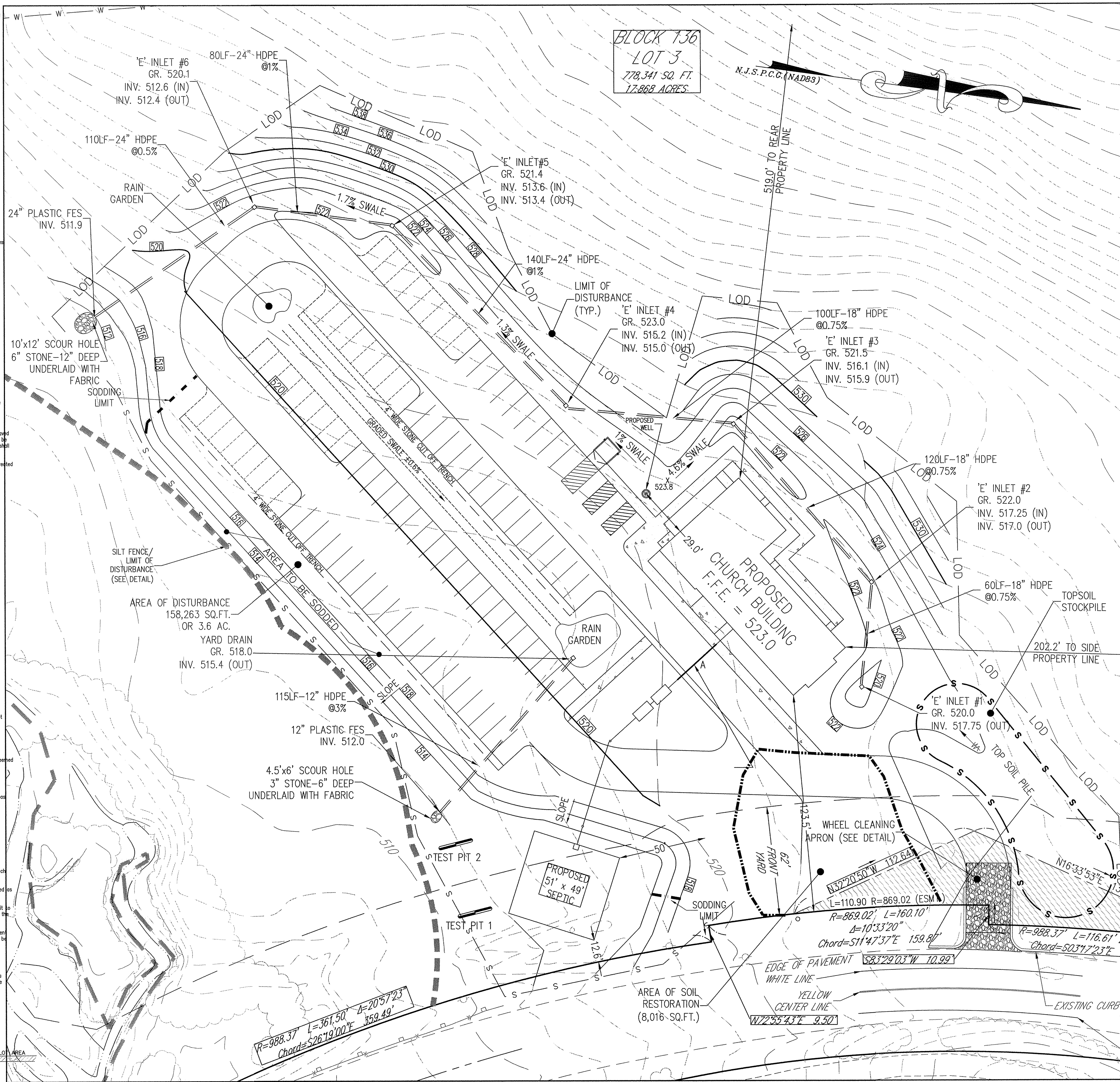
1. The Sussex County Soil Conservation District must be notified at least 48 hours in advance of any land disturbing activities.
2. All sediment and erosion control practices are to be installed prior to any major soil disturbances, or in their proper sequence, and maintained until permanent protection is established. (See Construction Sequence)
3. All disturbed areas not scheduled for construction activities within thirty (30) days of disturbance shall be stabilized by applying the following:
 - a. Ground limestone at the rate of 135 lbs. per 1,000 square feet.
 - b. Fertilizer at the rate of 14 lbs. per 1,000 square feet using a 10-20-10 analysis or an equivalent.
 - c. Perennial rye grass applied at the rate of not less than 1 lb. per 1,000 square feet.
 - d. Mulch of newly seeded areas with 80 lbs. of salt hay or small grain straw per 1,000 square feet.
 - e. All seeding must be mulched and all mulch must be anchored in accordance to the standards (noted).
 - f. Between the months of October 15 and March 1, mulch at a rate of 800 lbs. of salt hay or small grain straw per 1,000 square feet is allowed instead of for mentioned.
4. Permanent vegetation to be seeded or sodded on all exposed areas within ten (10) days after final grading. Mulch to be used at a rate of 80 lbs. per 1,000 square feet for protection until seeding is established. (See Seeding Mixture below)
5. All work to be done in accordance with the "Standards for Soil Erosion and Sediment Control in New Jersey".
6. A crushed stone, vehicle wheel-cleaning blanket, will be installed wherever a construction site access drive intersects a paved roadway. The blanket will be of sufficient size to reduce offsite tracking of sediment by construction vehicle traffic and will be maintained in good order until all driveway areas are stabilized. Minimum dimensions shall be 50' x 12' x 3". The blanket shall be composed of 2 1/2" crushed stone and shall be underlain with Miraf, Typor, or equal, filter fabric.
7. All disturbed areas shall be limed and fertilized prior to either temporary or permanent seeding. Exposed areas will be treated with 6" of topsoil prior to final stabilization. Disk topsoil to a depth of 4", remove stone and roll firm.
8. Stabilization Materials:

Temporary Seeding:

 - a. Lime: 135 lbs. per 1,000 square feet ground limestone
 - b. Fertilizer: 14 lbs. per 1,000 square feet 10-20-10.
 - c. Seed: Date and rate of application according to "Standards for Soil Erosion and Sediment Control in New Jersey", perennial Rye Grass 1.0 lbs. per 1,000 square feet. Mulch should be applied after seeding for added protection.

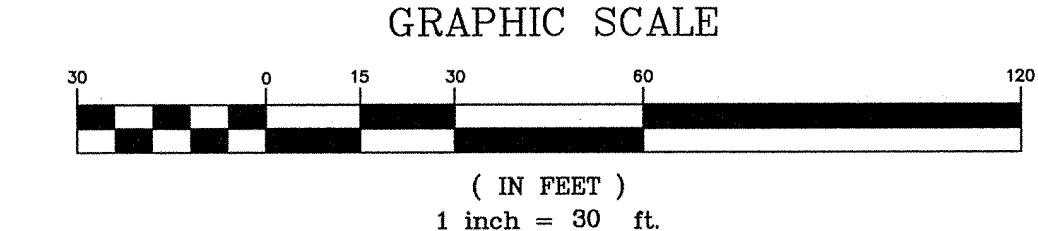
Permanent Seeding:

 - a. Lime: 300 lbs. of 3800 slow release nitrogen-fertilizer; 3 tons per Acre Ground Limestone incorporated 4 inches into soil.
 - b. Fertilizer: 500 lbs. per Acre 10-20-10 incorporated 4 inches into soil.
 - c. Seed: Dates 3/01-5/15 and 8/15-9/30, 60 lbs. of a Kentucky Bluegrass, 20 lbs. of Red Fescue, and 40 lbs. of a perennial Rye Grass per Acre.
 - d. Shade Areas: Increase Red Fescue 20 lbs. and decrease Kentucky Bluegrass 20 lbs., other mixtures acceptable provided they meet the "Standards for Approved Lawn Seed Mixtures", New Jersey Agricultural Extension Service. Mulch should be applied after seeding for added protection.
9. Mulching shall be done at the rate of 80 lbs. per 1,000 square feet with untreated salt hay.
10. Fill material shall be free from debris, putrescible or combustible material, frozen or wet earth, or stones larger than specified by the Engineer.
11. All revisions, after District certification has been granted, shall be forwarded to the appropriate County Soil Conservation District for review. A Letter of Explanation shall accompany all revisions.
12. The owner/applicant will obtain the District issued Report of Compliance prior to any occupancy. The District requires at least one week's notice before issuance.
13. All topsoil stripped and stockpiled for use in final grading shall receive temporary seeding.
14. Total disturbed area 3.5 acres.
15. During land disturbing activities or construction, any control measures beyond those shown on the approved plans, as deemed necessary to prevent erosion and control of sediment shall be installed as directed by the municipal engineer or appropriate County Soil Conservation District.
16. The applicant is required to have a copy of the certified plan at the construction site.
17. To the maximum extent practical, all vegetated areas not needed for construction shall be left undisturbed for as long as possible.
18. Final stabilization of all land disturbances associated with underground utilities, irrespective of phasing, is the ultimate responsibility of the owner.
19. Dust is to be controlled with water, calcium chloride or other method approved by the Soil Conservation District.
20. Anchor mulch immediately after placement.
21. All disturbed areas not scheduled for construction activities within thirty (30) days of disturbance shall be stabilized.
22. Residential development control measures shall apply to dwelling construction on individual lots and notation that such control measures shall apply to subsequent owners if 1899 is conveyed.
23. Control measures for non-growing season stabilization of exposed areas where the establishment of vegetation is planned for the final control measure shall be as per note 9 above.
24. Excavated soil material shall not be placed adjacent to rivers, streams or bodies of water in a manner that will cause it to be washed away by high water or runoff. Excess borrow material removed from the construction site shall be stabilized at the site of placement.
25. All disturbed areas that are not covered by permanent structures or pavement must be landscaped for permanent soil erosion and sediment control. Maintenance of permanent soil erosion and sediment control measures and facilities shall be the ultimate responsibility of the owner and successors.
26. The District shall be notified of and provided the opportunity to participate in any pre-construction meeting with the township engineer, contractors and utility representatives.
27. The property owner/applicant shall be responsible for the maintenance of all soil erosion and sediment control measures during construction and after final project approval. The property owner/applicant will be responsible for the upkeep of the drainage structures (if any), vegetative cover, and/or other measures deemed appropriate by the Sussex County Soil Conservation District.

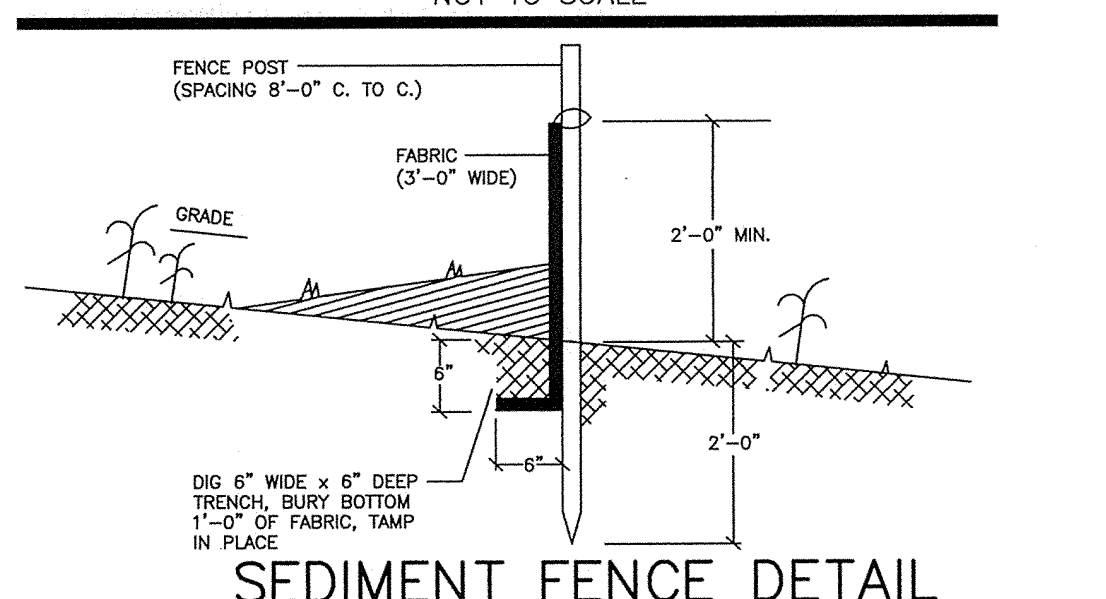
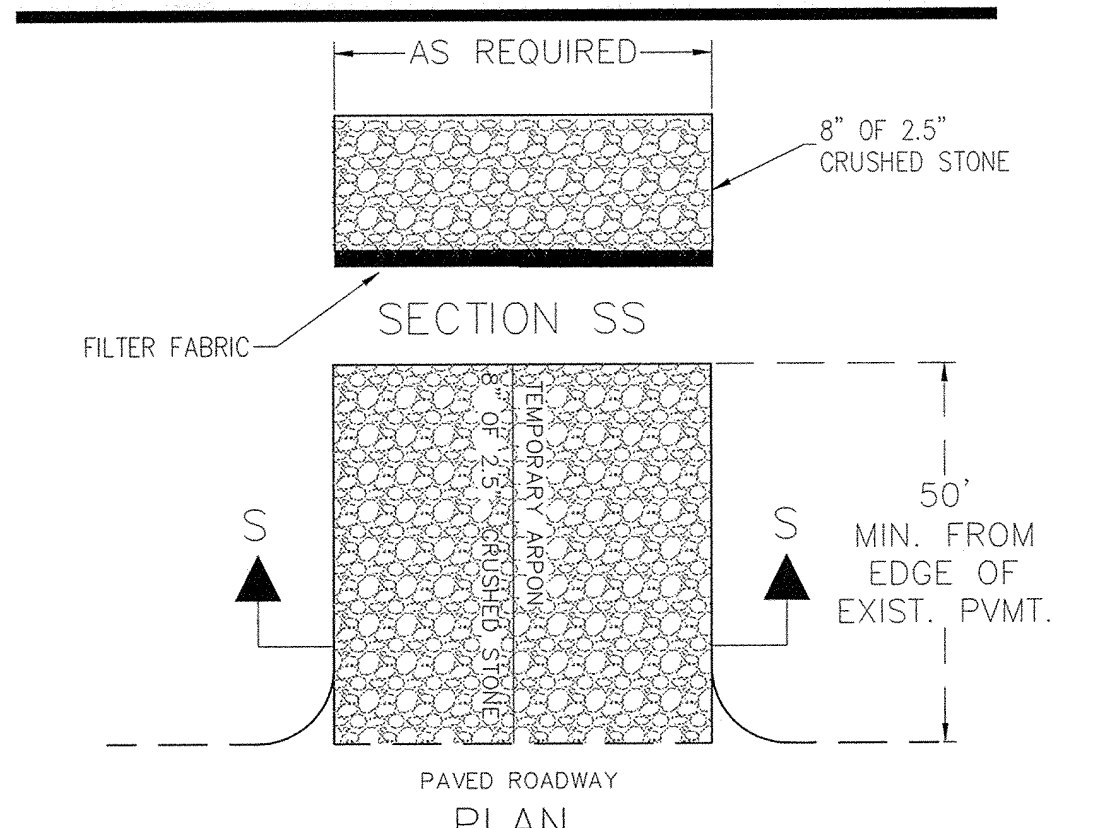
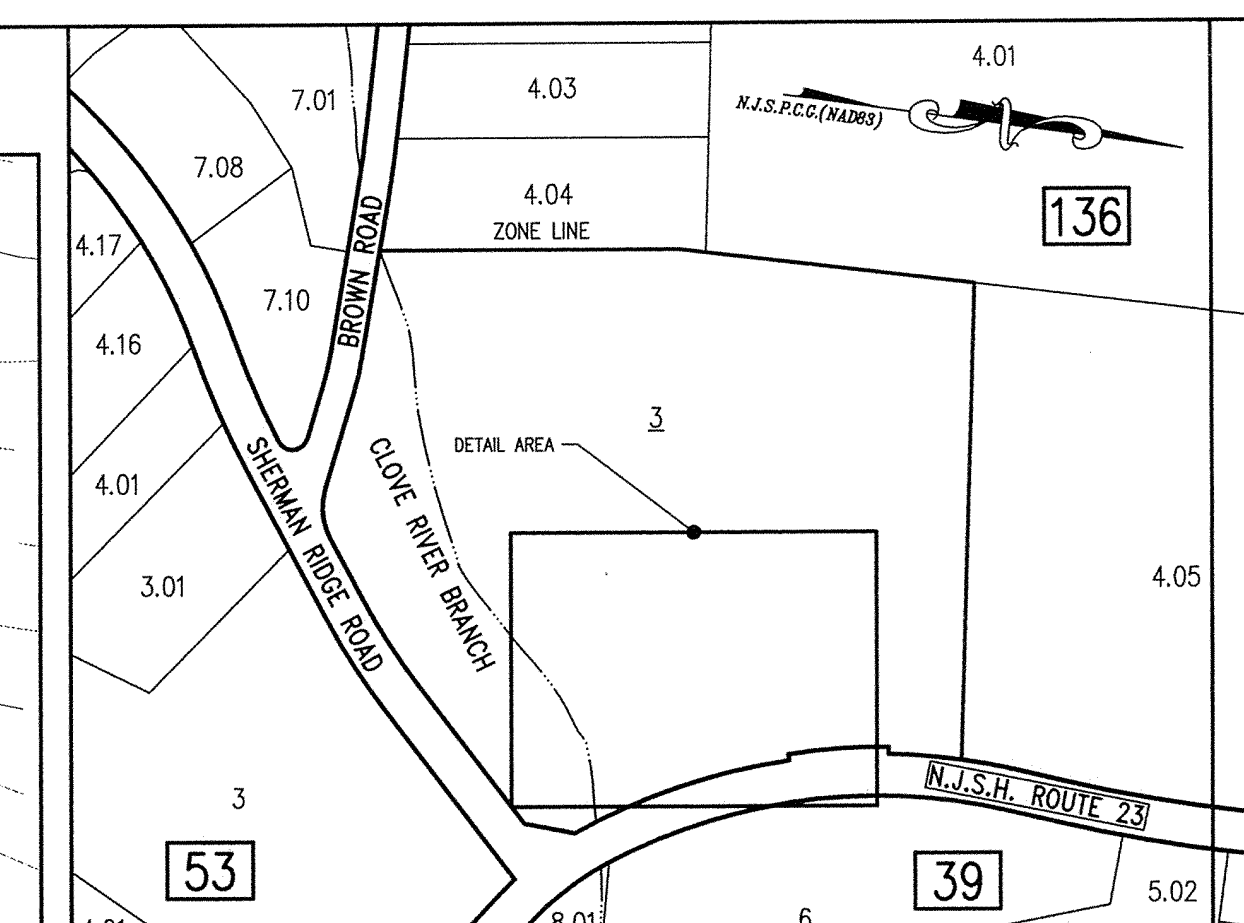


REFERENCE:
1. MAP ENTITLED "SITE PLAN FOR WANTAGE UNITED METHODIST CHURCH, OF LOT 3, BLOCK 136, WANTAGE TWP., SUSSEX CO., NJ" PREPARED BY KENNETH A. WENTINK AND ASSOCIATES, DATED DECEMBER 30, 1993, REVISED THROUGH APRIL 8, 1994.

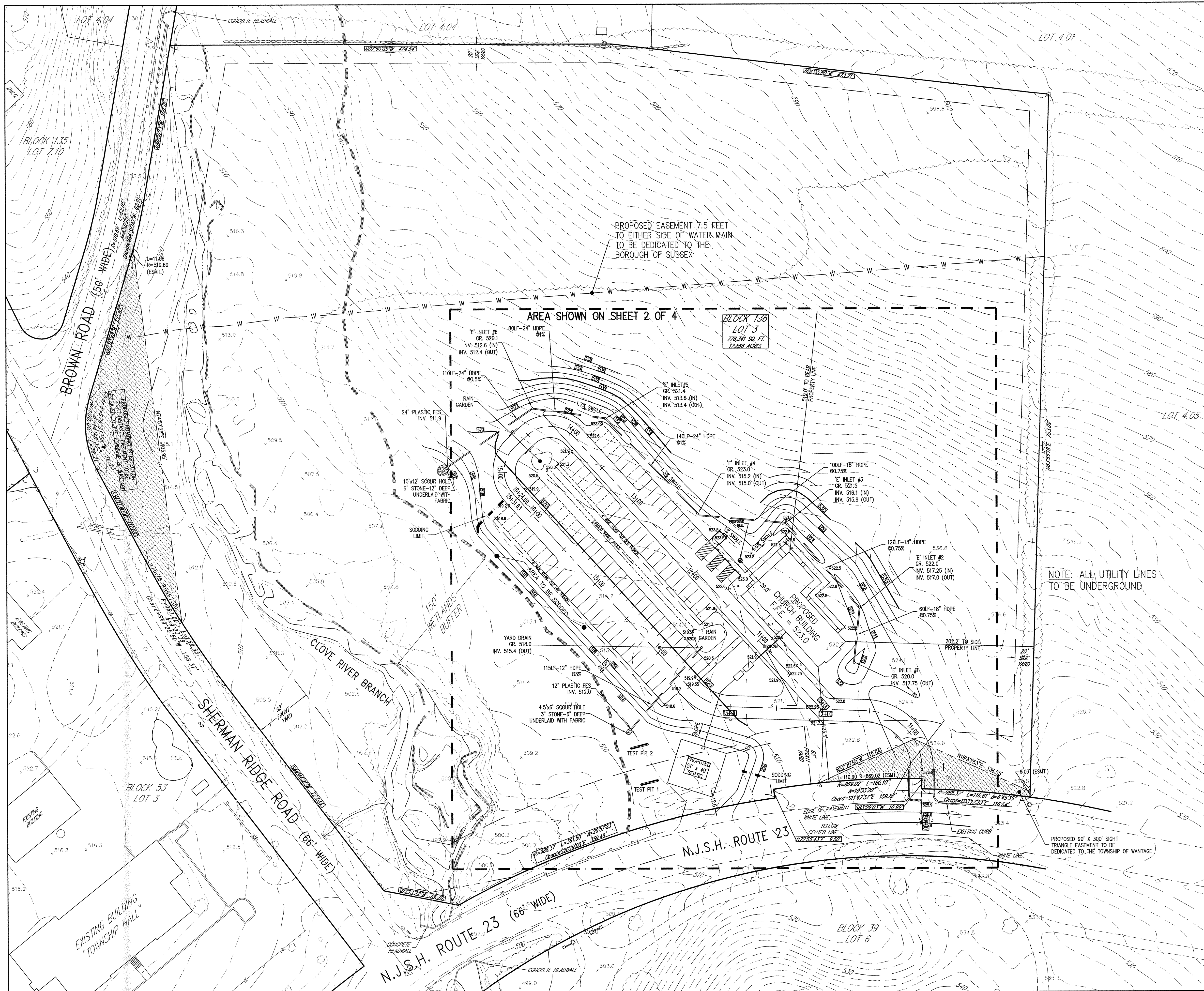
SOIL EROSION & SEDIMENT CONTROL PLAN



NOTE:
-ALL AREAS DISTURBED AND PLANNED FOR PERMANENT VEGETATION SHALL BE ADHERE TO THE STANDARDS SET FORTH IN THE PROVISIONS OF MITIGATING THE NEGATIVE IMPACTS OF COMPACTION ON CONSTRUCTION SITES, AS REFERRED IN THE NEW JERSEY SOIL EROSION AND SEDIMENT CONTROL ACT, N.J.S.A. 4:24-39, et seq., CHAPTERS 8 AND 19.
-ALL AREAS COMPACTED BY EQUIPMENT MOVEMENT MUST BE TESTED IN ACCORDANCE WITH N.J.S.A. 4:24-39, et seq.,



4. REVISED PER SCSCD COMMENTS	PR 05-01-19
3. REVISED PER SCSCD COMMENTS	PR 12-18-18
2. REVISED PER SCSCD 9/7/18 REVIEW LETTER	PR 10-8-18
1. REVISED PER SCSCD 7/30/18 REVIEW LETTER	PR 8-20-18
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SCALE AS SHOWN	SHEET
	2 / 4



GRADING & DRAINAGE PLAN

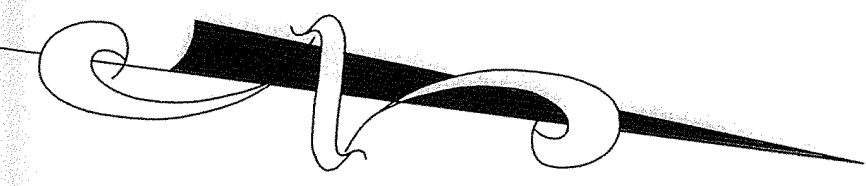
GRAPHIC SCALE



(IN FEET)

1 inch = 50 ft.

N.J.S.P.C.G. (NAD83)



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KENNETH A. WENTINK & ASSOC.

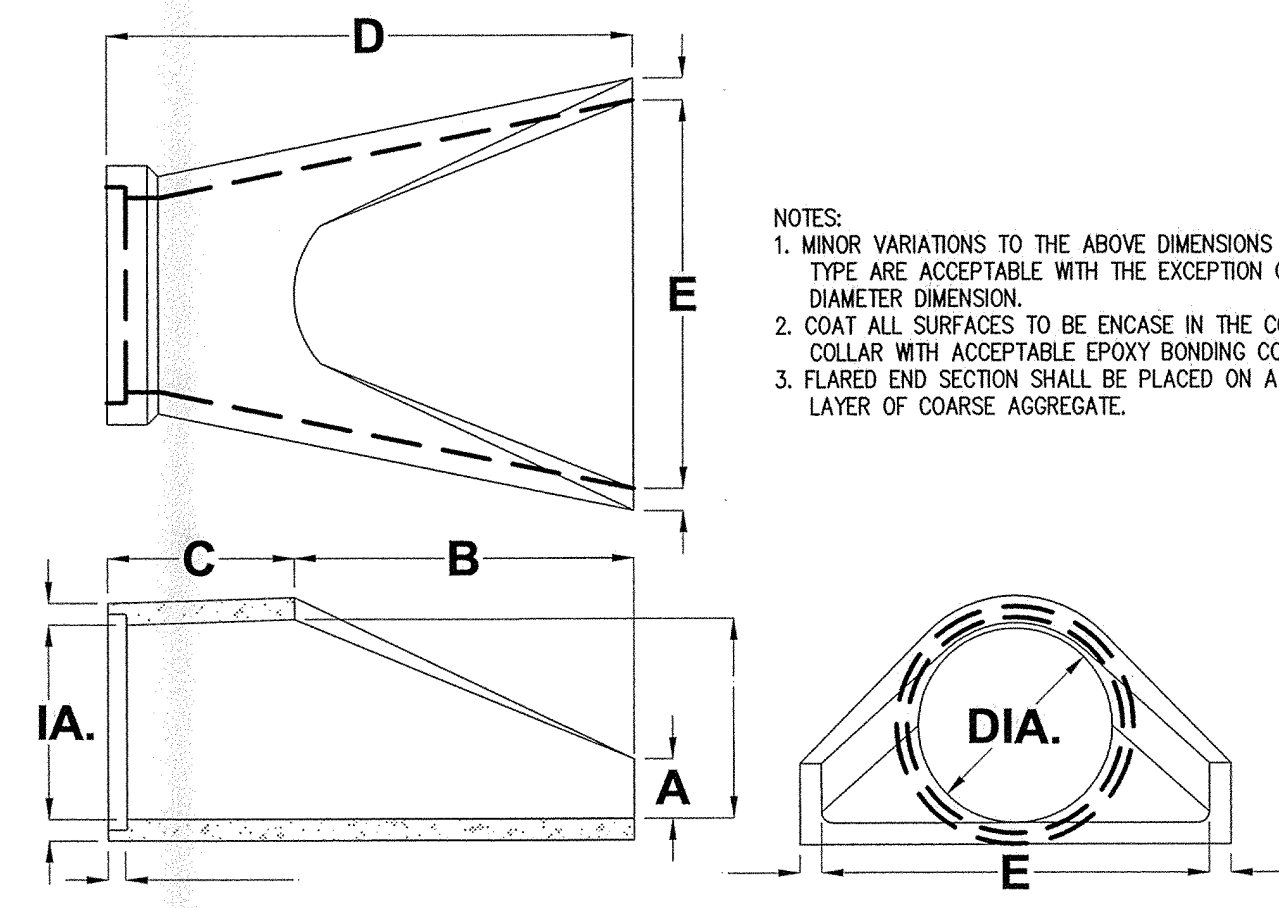
30 OLD CLOVE ROAD
WANTAGE, N.J. 07461 (973) 875-4112

Kenneth A. Wentink 7/2/19

KENNETH A. WENTINK PROFESSIONAL ENGINEER &
LAND SURVEYOR, N.J. LIC. No. 24GB01599100

SCALE
AS SHOWN

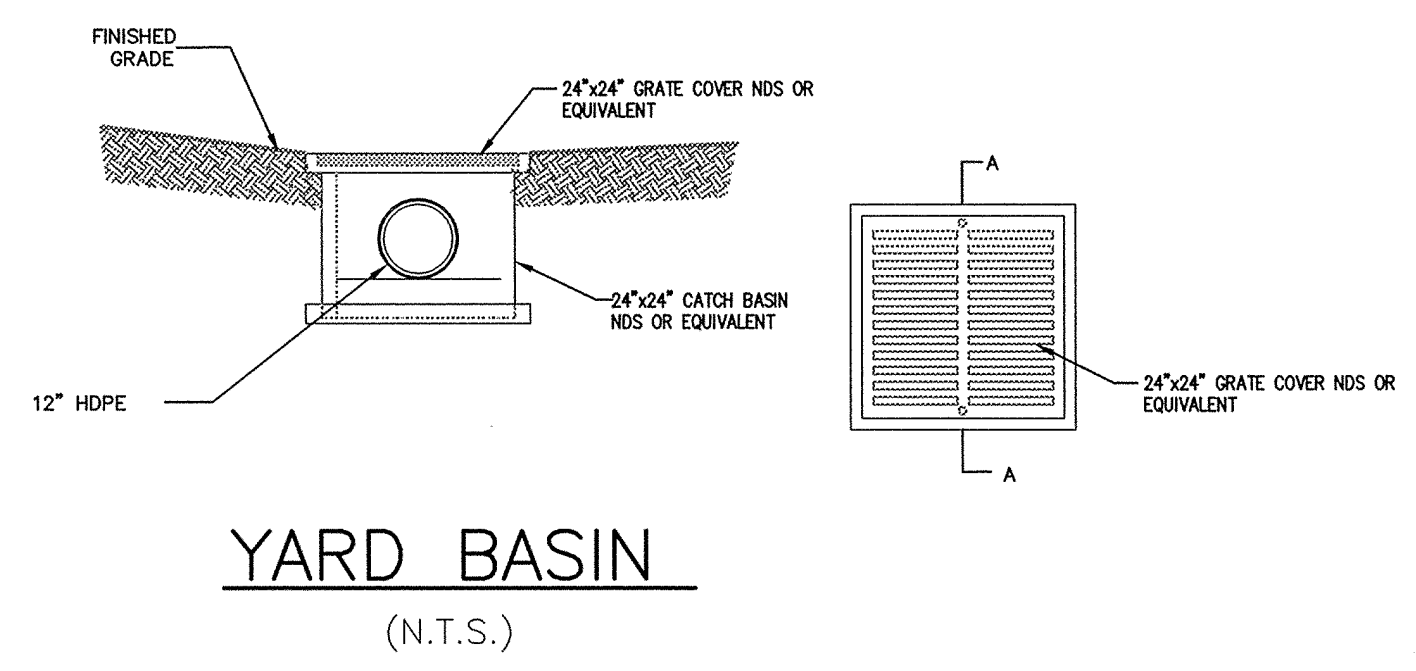
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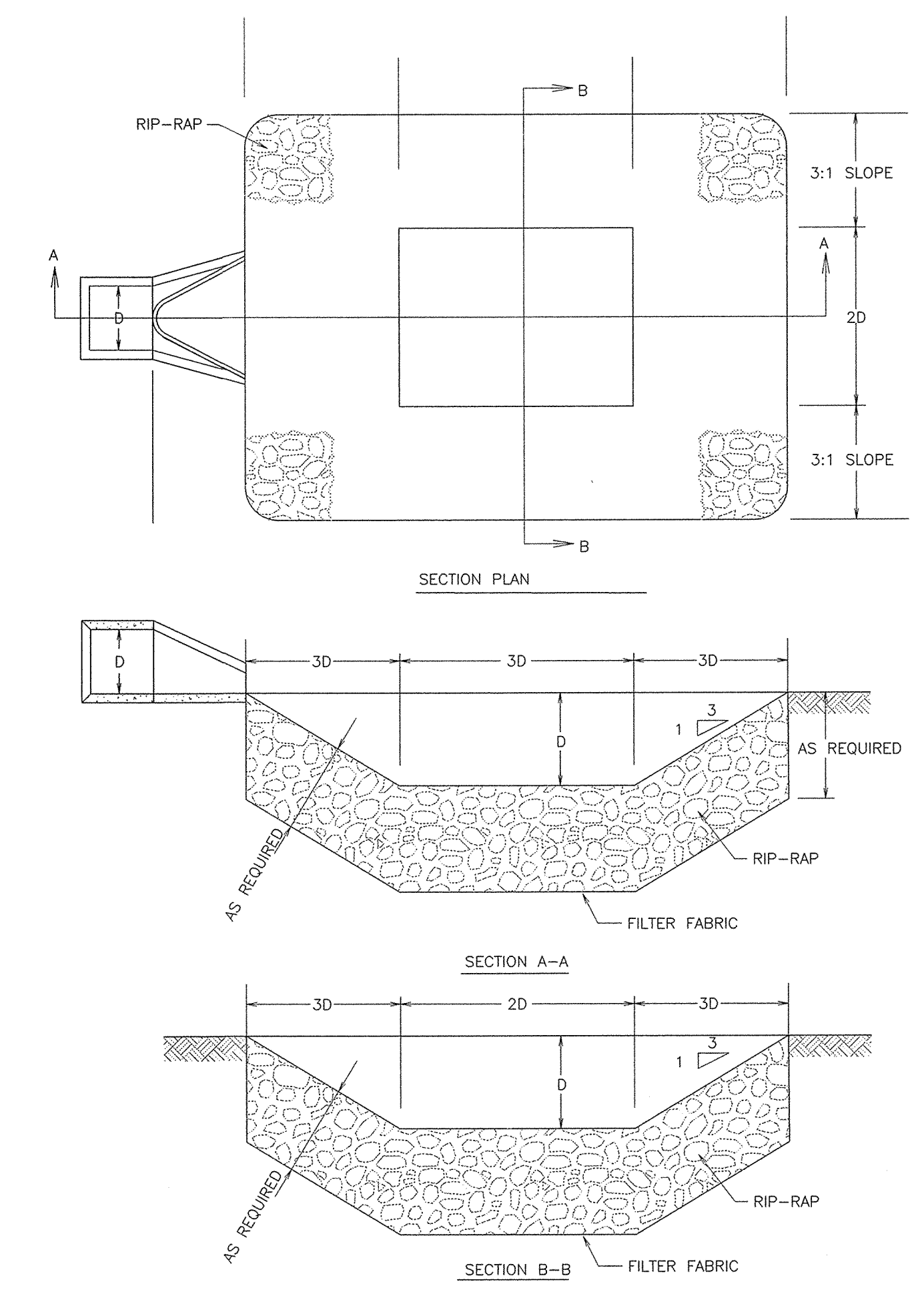
NOTES:
 1. MINOR VARIATIONS TO THE ABOVE DIMENSIONS AND MATERIAL TYPE ARE ACCEPTABLE WITH THE EXCEPTION OF THE INSIDE DIAMETER DIMENSION.
 2. COAT ALL SURFACES TO BE ENCASE IN THE CONCRETE COLLAR WITH ACCEPTABLE EPOXY BONDING COMPOUND
 3. FLARED END SECTION SHALL BE PLACED ON A 6 INCH DEEP LAYER OF COARSE AGGREGATE.

DIA.	WALL	TONGUE OR GROOVE	WEIGHT	A	B	C	D	E
15"	2-1/4"	1-3/4"	970	6"	27"	46"	73"	30"
18"	2-1/2"	1-3/4"	1340	9"	27"	46"	73"	36"
24"	3"	1-3/4"	1820	9-1/2"	43-1/2"	30"	73-1/2"	48"
30"	4-1/4"	3-7/8"	2400	12"	54"	19-3/4"	73-3/4"	60"
36"	4-3/4"	3-7/8"	5500	15"	63"	34-3/4"	97-3/4"	72"

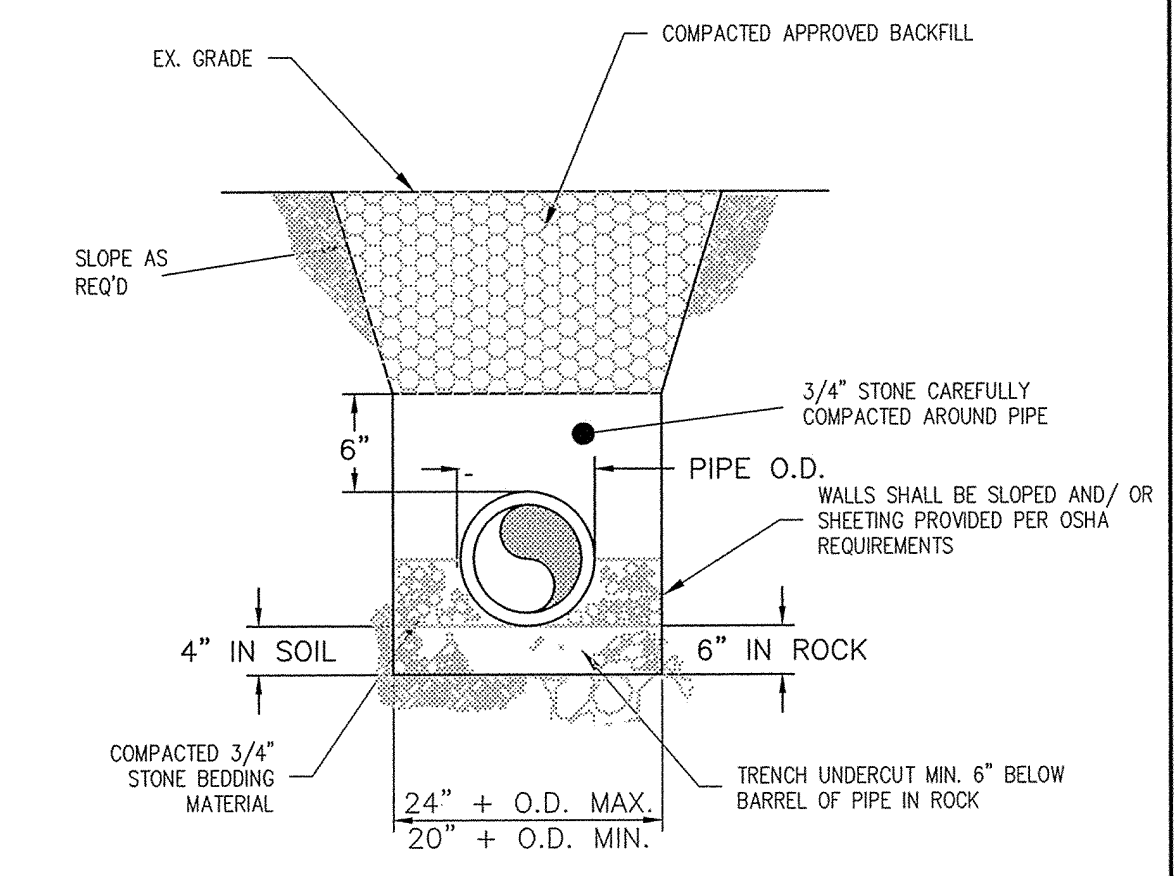
TYPICAL CONCRETE FLARED END SECTION
 N.T.S.



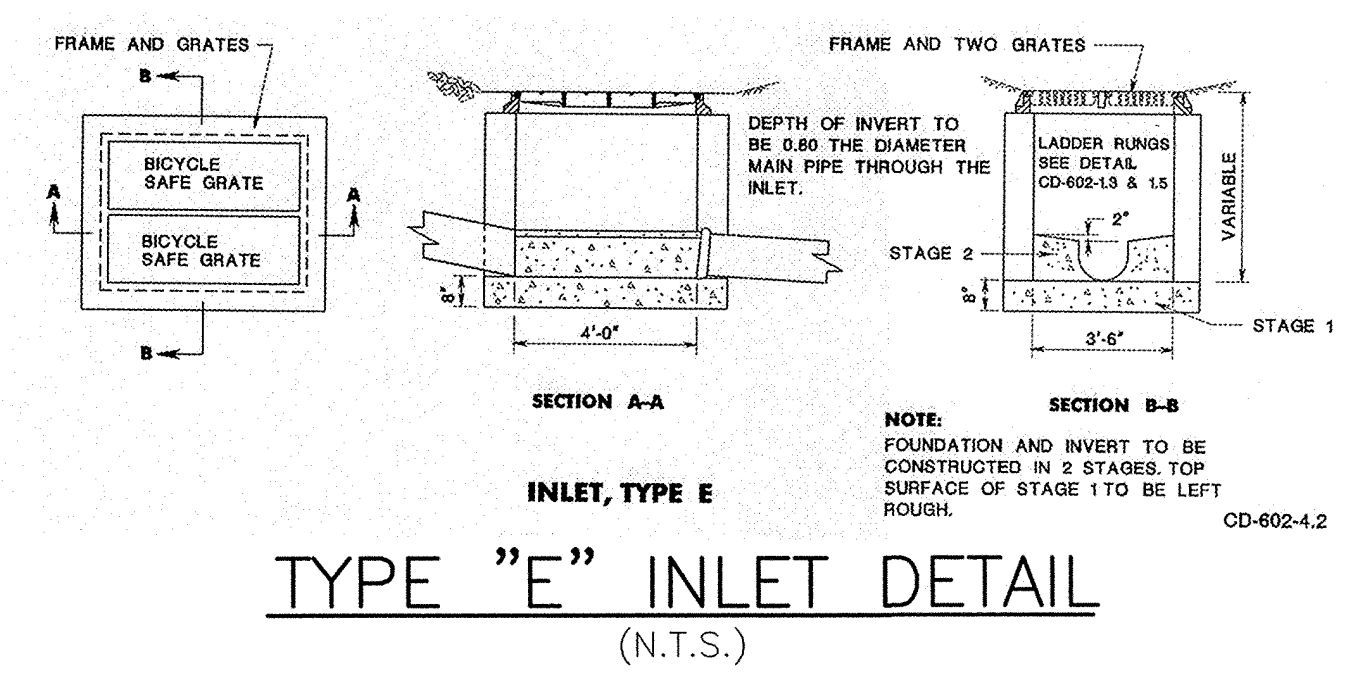
YARD BASIN
 (N.T.S.)



SCOUR HOLE DETAIL
 N.T.S.



PIPE LAYING CONDITION - HDPE
 N.T.S.



TYPE "E" INLET DETAIL
 (N.T.S.)

RAIN GARDEN

THE RAIN GARDENS ARE IN ACCORDANCE WITH "THE RAIN GARDEN MANUAL FOR NEW JERSEY" BY THE NATIVE PLANT SOCIETY OF NEW JERSEY, DATED APRIL 2005.

MAINTENANCE PLAN

- AFTER THE PLANTING:**
 -WATER DAILY FOR 14 DAYS UNLESS THERE IS SIGNIFICANT RAINFALL
 -INSPECT ALL RAIN GARDENS FOR SIGNS OF EROSION
 -RE-MULCH ANY AREAS AS NECESSARY
- THE FOLLOWING MONTH:**
 -INSPECT PLANTS TO ENSURE THAT THEY ARE FREE OF PESTS AND DISEASES
 (USE A LESS TOXIC APPROACH IF TREATMENT IS WARRANTED)
 -REPAIR ANY AREAS THAT MAY APPEAR TO BE WEATHER-BEATEN
 -ADD MULCH TO AREAS THAT LACK SUFFICIENT COVERAGE
 -REMOVE ANY WEEDS THAT MAY BE GROWING
 -INSPECT RIP RAP CHANNELS AND SCOUR HOLES FOR EROSION OR STONE ACCUMULATION AND REDISTRIBUTE AS NECESSARY
- THE FOLLOWING SEASONS:**
 -EVERY 6 MONTHS, IN SPRING AND FALL, ADD 1" OF MULCH
 -ONCE EVERY 2-3 YEARS, IN THE SPRING APPLY A 3" LAYER OF MULCH
 -IF PLANTS SHOW SIGNS OF PESTS OR DISEASE, CONSULT A LOCAL HORTICULTURIST OR REMOVE INFECTED PLANT(S) AND REPLACE BEFORE INFECTING OTHER PLANTS
 -CHECK THE RAIN GARDEN AFTER LARGE RAINSTORMS. MAKE SURE POOLING WATER DISSIPATES WITHIN 6 DAYS. GARDENS THAT DO NOT DRAIN PROPERLY MAY NEED ADDITIONAL SOIL AMENDMENTS.
 -DURING TIMES OF EXTENDED DROUGHT, LOOK FOR PHYSICAL FEATURES OF STRESS (WILTING, YELLOW, SPOTTED OR BROWN LEAVES, LOSS OF LEAVES, ETC.)
 -WATER IN THE EARLY MORNING AS NEEDED
 -PRUNE EXCESS GROWTH ANNUALLY OR MORE OFTEN, IF DESIRED. TRIMMED MATERIALS MAY BE RECYCLED BACK IN WITH REPLENISHED MULCH
 -WEED REGULARLY, IF NEEDED, BUT AVOID MOWING

EXAMPLE OF RECOMMENDED PLANTS

SCIENTIFIC NAME	COMMON NAME
ASOLEPIAS INCARNATA	SWAMP MILKWEED
CAREX GRINITA	FRINGED SEDGE
CAREX BULPINOIDEA	FOX SEDGE
EUPATORIUM MACULATUM	SPOTTED JOEPEYWEED
HELENIUM AUTUMNALE	COMMON SNEEZEWEEED
IRIS VERSICOLOR	BLUE FLAG
LOBELIA CARDINALIS	CARDINAL FLOWER
PONTEDERIA CORDATA	PICKEREL WEED
RUBRIBECKIA HIRTA	BLACKEYED SUSAN
SAGITTARIA LATIFOLIA	ARROWHEAD
SCIRPUS PALIDUS	CLOAKED BULRUSH
SCIRPUS VALIDUS	SOFT-STEMMED BULRUSH
SPARGANUM EURYCARPUM	BUR-REED
ZIZIA AUREA	GOLDEN ALEXANDER

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 SHEET 4/4