

### SEDIMENT CONTROL NOTES

- REVIEW AND OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SEDIMENT AND STORMWATER REGULATIONS. NOR SHALL IT RELIEVE
- THE CONTRACTOR FROM ERRORS OR OMISSIONS IN THE APPROVED PLAN. IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED
- THE SUSSEX CONSERVATION DISTRICT RESERVES THE RIGHT TO ENTER PRIVATE PROPERTY FOR PURPOSES OF PERIODIC SITE INSPECTION.

NECESSARY BY THE SUSSEX CONSERVATION DISTRICT.

- FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, TOPSOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK 1989 OR
- CONTRACTOR SHALL MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT PRACTICES DAMAGED DURING
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES FOR THIS PROJECT DURING CONSTRUCTION. THE OWNERS ASSOCIATION SHALL HAVE PERPETUAL MAINTENANCE RESPONSIBILTY OF THE STORMWATER MANAGEMENT FACILITIES FOR THIS PROJECT AFTER CONSTRUCTION.
- APPROVED PLANS REMAIN VALID FOR 3 YEARS FROM THE DATE OF AN APPROVAL
- AS-BUILT SURVEYS AND DRAWINGS ARE TO SUBMITTED TO THE DISTRICT WITHIN 60 DAYS OF STORMWATER MANAGEMENT FACILITY COMPLETION.
- APPROVAL OF A SEDIMENT AND STORMWATER PLAN DOES NOT GRANT OR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS. EASEMENTS. ETC.. NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE
- ANY DEVIATION FROM THE "SEQUENCE OF OPERATIONS" INDICATED ON THIS DRAWINGS SHALL BE APPROVED BY THE SEDIMENT CONTROL
- MINOR FIELD ADJUSTMENTS MAY BE MADE TO INSURE THE CONTROL OF SEDIMENT, UPON APPROVAL OF SEDIMENT CONTROL REPRESENTATIVE.
- PLACEMENT AND INSTALLATION OF SEDIMENT CONTROL DEVICES SHALL ALLOW FOR FULL PROTECTION OF TRENCH EXCAVATION, STOCKPILES, AND OTHER AREAS DISTURBED DURING CONSTRUCTION PROCEDURES.
- ALL SEDIMENT CONTROL DEVICES ONCE INSTALLED SHALL BE APPROVED BY SEDIMENT CONTROL REPRESENTATIVES BEFORE PROCEEDING WITH
- AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AND LEFT IN FUNCTIONAL CONDITION.
- NO SPOILS, STOCKPILED OR EXCAVATED MATERIAL MAY BE DISCHARGED INTO WETLANDS REGULATED BY THE STATE OF DELAWARE OR THE U.S. ARMY CORPS OF ENGINEERS.
- MATERIAL REMOVED FROM SURFACE TREATED, GRAVEL, OR SAND ROADS AND STOCKPILED FOR RE-USE SHALL BE PROTECTED WITH APPROVED SEDIMENT CONTROL PROCEDURES. THE METHOD PROPOSED SHALL BE REVIEWED WITH SUSSEX CONSERVATION DISTRICT REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- CONTACT SUSSEX CONSERVATION DISTRICT PRIOR TO COMMENCEMENT OF ANY WELL POINT OPERATIONS.
- EROSION CONTROL MATTING IS REQUIRED IN OPEN CHANNELS AND ON 19. SLOPES OF 3H:1V OR STEEPER. MATTING SHALL BE "NORTH AMERICAN GREEN SC150BN" OR AN EQUAL APPROVED BY THE SUSSEX CONSERVATION DISTRICT.
- LOCATE STOCKPILES ON AREAS WITH LITTLE OR NO SLOPE. STOCKPILES MUST BE SURROUNDED WITH SILT FENCE OR A STABILIZED EARTHEN
- STOCKPILING OF EXCAVATED MATERIAL OUTSIDE OF THE CONTRACT AREA SHALL REQUIRE AN ADDITIONAL EROSION AND SEDIMENT CONTROL PLAN FOR THAT LOCATION. PLAN MUST BE SUBMITTED AND APPROVED BY THE SUSSEX CONSERVATION DISTRICT.
- TO PREVENT OR REDUCE MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES, THE CONTRACTOR SHALL SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE IS MOIST AND REPEAT AS NECESSARY.
- ALL GRADED AREAS TO BE SEEDED SHALL HAVE A 4" MINIMUM DEPTH OF
- THE ENTIRE PROPERTY IS OUTSIDE THE 100 YEAR FLOOD ZONE, PER F.E.M.A. FIRM MAP NUMBER 10005C0325 F.
- THE PREDOMINANT SOIL TYPES AT THE CONSTRUCTION SITE ARE SASSAFRAS SANDY LOAM, O TO 2 PERCENT SLOPES (SaA), KENANSVILLE LOAMY SAND, O TO 2 PERCENT SLOPES (KbA), RUMFORD LOAMY SAND, 0 TO 2 PERCENT SLOPES (RuA), AND WOODSTOWN SANDY LOAM (Wo).
- SEDIMENT EXCAVATED FROM THE POND DURING MAINTENANCE OPERATIONS SHALL BE HAULED OFF-SITE WITHIN SEVEN (7) DAYS OF REMOVAL.
- ALL LOT LINES ALONG THE ROAD SHALL HAVE A 15' WIDE DRAINAGE AND UTILITY EASEMENT ALONG THE INTERIOR SIDE.
- SITE DATA (IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE

QUANTITIES): SITE AREA: AREA TO BE DISTURBED: 16.7 ACRES IN PHASE ONE, 5.2 ACRES IN PHASE TWO EARTH CUT VOLUME: ±28,400 CU. YDS. IN PHASE ONE, ±5,000 CU. YDS. IN PHASE TWO EARTH FILL VOLUME: ±28,400 CU. YDS. IN PHASE ONE, ±5,000 CU. YDS. IN PHASE TWO

# CONTRACT OWNER'S CERTIFICATE

I, THE UNDERSIGNED, CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION AND DEVELOPMENT SHALL BE DONE PURSUANT TO THE APPROVED PLAN AND THAT RESPONSIBLE PERSONNEL INVOLVED IN THE LAND DISTURBANCE WILL HAVE A CERTIFICATION OF TRAINING AT A DEPARTMENTAL SPONSORED OR APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT CONTROL BEFORE INITIATION OF THE PROJECT. I CERTIFY THAT THE DEPARTMENT OR DELEGATED INSPECTION AGENCY HAS THE RIGHT TO CONDUCT ON SITE INSPECTIONS.

Francis J. Gonzon SPINNAKER CIRCLE Lèwès, delaware 19958 TEL. (302) 645-5800 FAX (302) 645-7313

OCTOBER 28 7004

STABILIZED CONSTRUCTION ENTRANCE DETAIL MOUNTABLE BERM (OPTIONAL) -EXISTING PAVEMENT TREVIRA SPUNBOND 1135, MIRAFI 600X, OR EQUIVALENT-6" MIN -FILTER CLOTH PROFILE EXISTING GROUND PLAN VIEW CONSTRUCTION SPECIFICATIONS <u>Stone size</u> - Use 2' stone, or reclaimed or recycled concrete equivalent required, but not less than 50 feet (except on a single residence lot where a 30 <u>Filter Cloth</u> - Will be placed over the entire area prior to placing of stone. <u>Surface Vater</u> - 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 Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap All sediment spilled, dropped, washed or tracked onto public rights-of-way must be <u>Vashing</u> - Vehicle wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.

## TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: LOOSEN UPPER 4 INCHES OF SOIL BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

APPLY 1-2 TONS PER ACRE (46-92 LBS/1000 SQ. FT.) OF DOLOMITIC LIMESTONE AND 600 LBS PER ACRE (14 LBS/1000 SQ. FT.) OF 10-10-10 **FERTILIZER** 

Perodic inspection and needed maintenance shall be provided after each rain.

FOR PERIODS OF SEPTEMBER 1 THROUGH NOVEMBER 15 AND MARCH 1 THROUGH MAY SEED WITH 40 LBS/ACRE OF PERENNIAL RYE (1.0 LBS/1000 SQ. FT.).
PERIODS OF NOVEMBER 15 THROUGH FEBRUARY 28 PROTECT SITE BY APPLYING 2 TONS PR ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS

APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LB/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATIONS USING A SYNTHETIC BINDER SUCH AS ACRYLIC DLR (AGRI-TAC) DCA-70, PETROSET OR TERRA TACK AT RATES RECOMMENDED BY THE MANUFACTURER.

## PERMANENT SEEDING NOTES

LOOSEN UPPER 4 INCHES OF SOIL BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

APPLY 1-2 TONS PER ACRE (46-92 LBS/1000 SQ. FT.) OF DOLOMITIC LIMESTONE AND 600 LBS PER ACRE (14 LBS/1000 SQ. FT.) OF 10-10-10

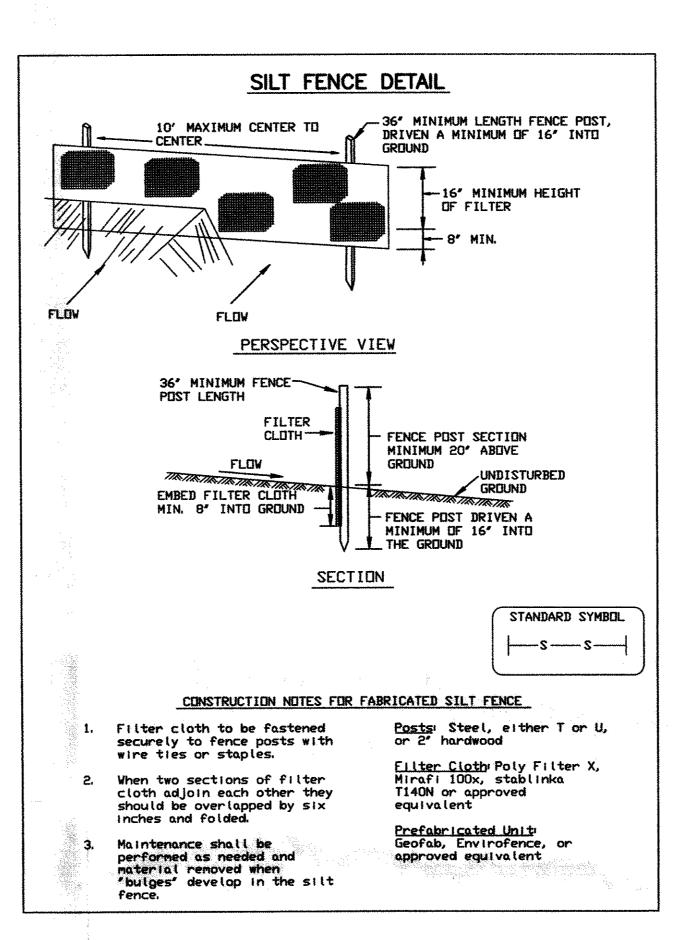
FOR PERIODS OF SEPTEMBER 1 THROUGH NOVEMBER 15 AND MARCH 1 THROUGH MAY, SEED WITH 210-230 LBS PER ACRE (5 LBS/1000 SQ. FT.) OF KENTUCKY
31 TALL FESCUE. FOR PERIODS OF NOVEMBER 15 THROUGH FEBRUARY 28, PROTECT
SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING.

APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LB/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATIONS USING A SYNTHETIC BINDER SUCH AS ACRYLIC DLR (AGRI-TAC) DCA-70, PETROSET OR TERRA TACK AT RATES RECOMMENDED BY THE MANUFACTURER.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS, AND

## WETLANDS STATEMENT

THE SITE WAS INSPECTED BY ENVIRONMENTAL RESOURCES, INC. FOR THE EXISTENCE OF WETLANDS IN ACCORDANCE WITH FEDERAL 404 WETLAND JURISDICTIONAL DETERMINATION REQUIREMENTS. THE WETLANDS THAT WERE LOCATED ON-SITE ARE ISOLATED, NON-NAVIGABLE AND INTRASTATE AND ARE THERFORE OUTSIDE THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS.

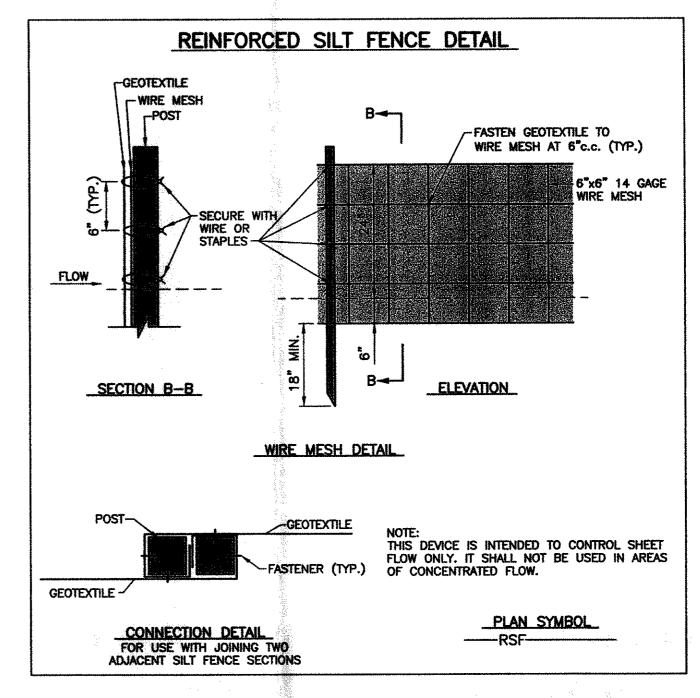


#### SEQUENCE OF OPERATIONS

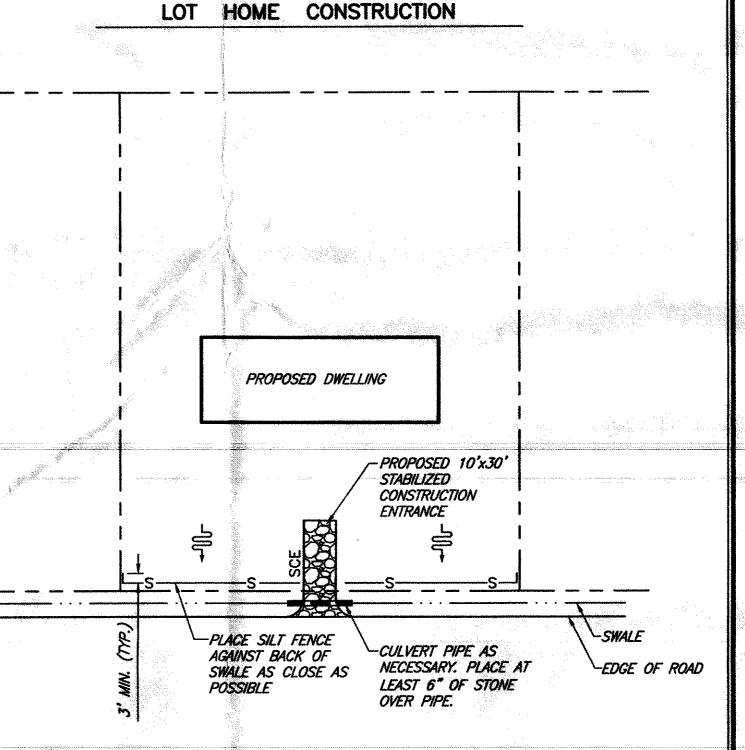
- SUSSEX CONSERVATION DISTRICT MUST BE NOTIFIED IN WRITING FIVE (5) DAYS PRIOR TO COMMENCING WITH CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
- GRADING WITHIN PHASE TWO SHALL START UNTIL ALL GRADING AND STABILIZATION WITHIN PHASE ONE HAS BEEN COMPLETED, AND APPROVAL HAS BEEN GRANTED FROM THE SEDIMENT CONTROL INSPECTOR. DISTURBANCE OF GREATER THAN 20 ACRES WITHOUT PERMISSION FROM SUSSEX CONSERVATION DISTRICT CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER PLAN.
- CLEAR AND GRUB THOSE AREAS NECESSARY FOR INSTALLATION OF SEDIMENT CONTROL MEASURES.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE. INSTALL PERIMETER CONTROLS.
- CLEAR AND GRUB REMAINING AREA (WITHIN LIMIT OF DISTURBANCE).
- STRIP TOPSOIL AND STOCKPILE AT DESIGNATED LOCATIONS. ROUGH GRADE POND. STOCKPILE AND TRANSPORT EXCAVATED MATERIAL TO REQUIRED ON-SITE LOCATIONS. POND SHALL BE USED AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION SEDIMENT POND NEEDS TO BE CLEANED OUT AFTER THE SITE IS STABILIZED. AND EXCAVATED TO FINAL GRADE. STABILIZE POND PER SEEDING NOTES ON THIS SHEET AND COVER ENTIRE SLOPE WITH EROSION CONTROL MATTING PLACED PER TYPICAL MATTING INSTALLATION DETAIL" ON SHEET C3.

ROUGH GRADE ROADS AND INSTALL CULVERTS. SWALES WITH TEMPORARY STONE CHECK DAMS SHALL CONVEY STORMWATER TO THE SEDIMENT TRAP.

- INSTALL UNDERGROUND UTILITIES.
- INSTALL GRAVEL BASE COURSE AND PAVE ROADS.
- TOPSOIL, FINE GRADE, SEED AND MULCH DISTURBED AREAS.
- REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE AREA AFTER OBTAINING PERMISSION FROM SEDIMENT CONTROL INSPECTOR.
- REMOVE ACCUMULATED SEDIMENT FROM PONDS. GRADE PONDS TO FINAL GRADE AND STABILIZE.
- AS-BUILT DRAWINGS FOR EACH POND SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS OF POND COMPLETION. THESE DRAWINGS AND ASSOCIATED COMPUTATIONS SHOULD VERIFY THAT THE CUMULATIVE AS-BUILT STORAGE IN THE PONDS AND THAT THE OUTLET STRUCTURE WILL ALLOW THE POND TO FUNCTION AS DESIGNED.
- CONSTRUCT BUILDINGS AND CONNECT TO UTILITIES. NO HOUSE CONSTRUCTION CAN BEGIN UNTIL THE SUSSEX CONSERVATION DISTRICT HAS APPROVED THE CONSTRUCTION AND STABILIZATION OF THE STORMWATER FACILITIES.



TYPICAL PLAN FOR SINGLE FAMILY



1. FOR EACH LOT, STABILIZED CONSTRUCTION ENTRANCE, NECESSARY SILT FENCING, AND OTHER EROSION CONTROL DEVICES TO BE INSTALLED AFTER ROAD CONSTRUCTION AND STORMWATER MANAGEMENT FACILITIES HAVE BEEN ESSENTIALLY COMPLETE, AND THE SITE DETERMINED TO BE "STABILIZED" BY THE DISTRICT.

- 2. SILT FENCE IS TO BE PLACED DOWNSLOPE OF GROUND THAT COULD BE DISTURBED.
- 3. SILT FENCE REINFORCED WITH WELDED WIRE FABRIC IS TO BE PLACED ADJACENT TO WETLAND AREAS.

CURRENT OWNER:

GEORGE. MILES & BUHR. LLC 101 ARCH STREET SEAFORD, DELAWARE 19973 JUDY A. SCHWARTZ, P.E.

TEL. (302) 628-1421 FAX (302) 628-8350

WILLIAM EDWARD PETTYJOHN 601 FEDERAL STREET MILTON, DELAWARE 19968 TEL. (302) 684-4585 FAX: N/A

APPLICANT / CONTRACT OWNER / DEVELOPER:

FRANCIS J. GONZON 8 SPINNAKER CIRCLE LEWES, DELAWARE 19958 TEL. (302) 645-5800 FAX (302) 645-7313

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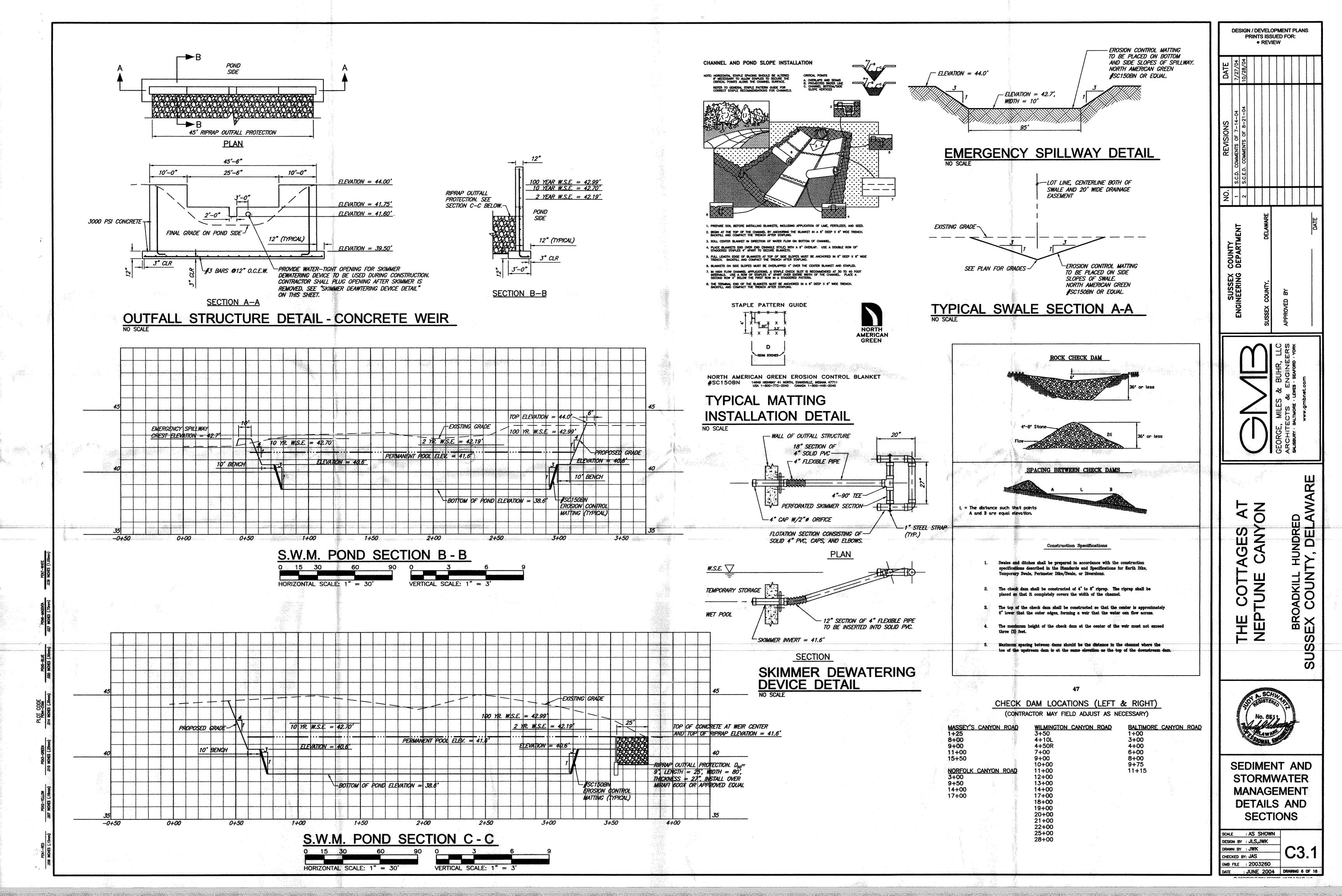
**DESIGN / DEVELOPMENT PLANS** PRINTS ISSUED FOR: REVIEW

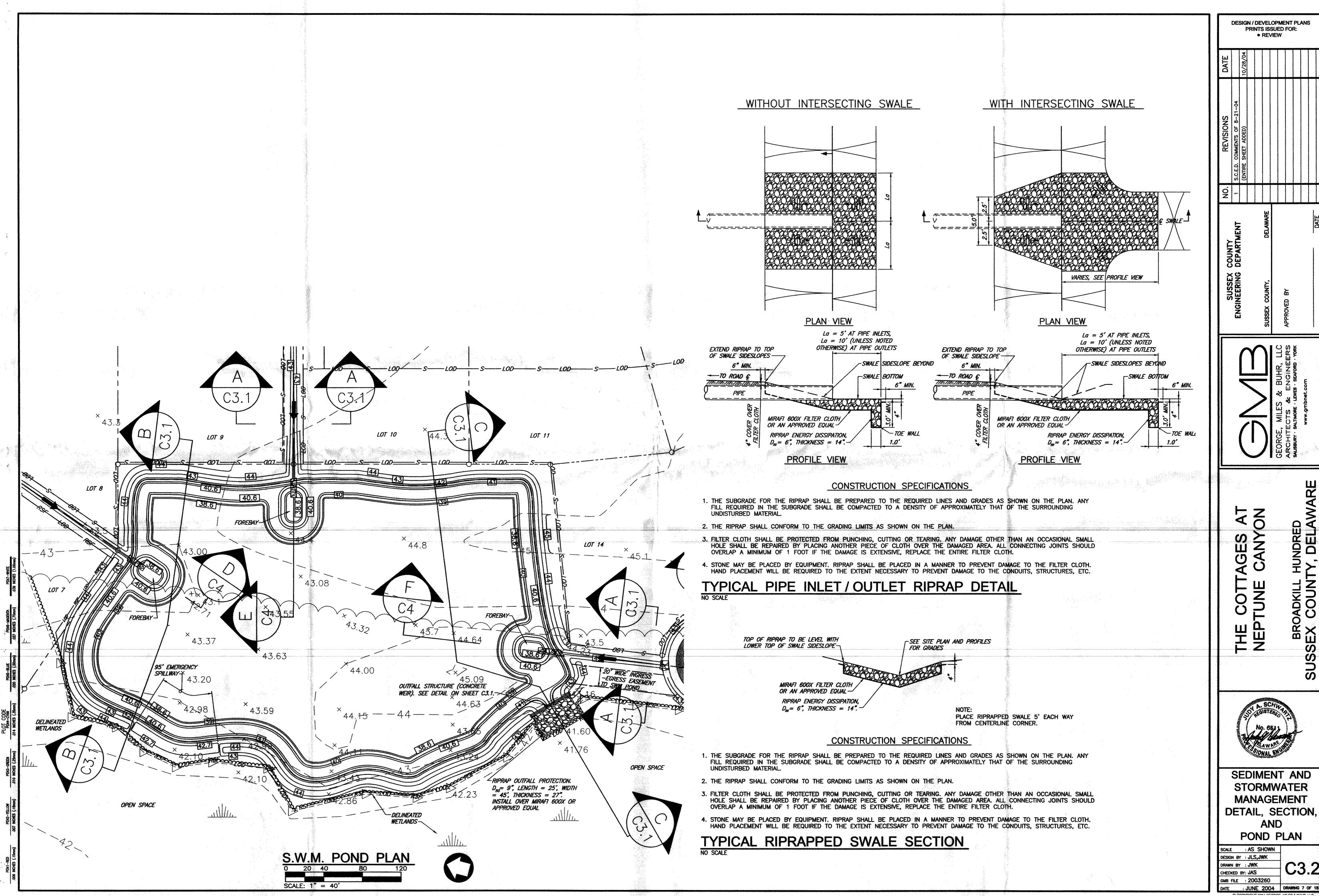
SEDIMENT AND **STORMWATER MANAGEMENT** NOTES & DETAILS

SCALE : NONE DESIGN BY : JWK DRAWN BY : JWK CHECKED BY: JAS GMB FILE : 2003260

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SEDIMENT AND STORMWATER **MANAGEMENT** DETAIL, SECTION, AND POND PLAN

SCALE : AS SHOWN DESIGN BY : JLS,JWK CHECKED BY: JAS GMB FILE : 2003260

