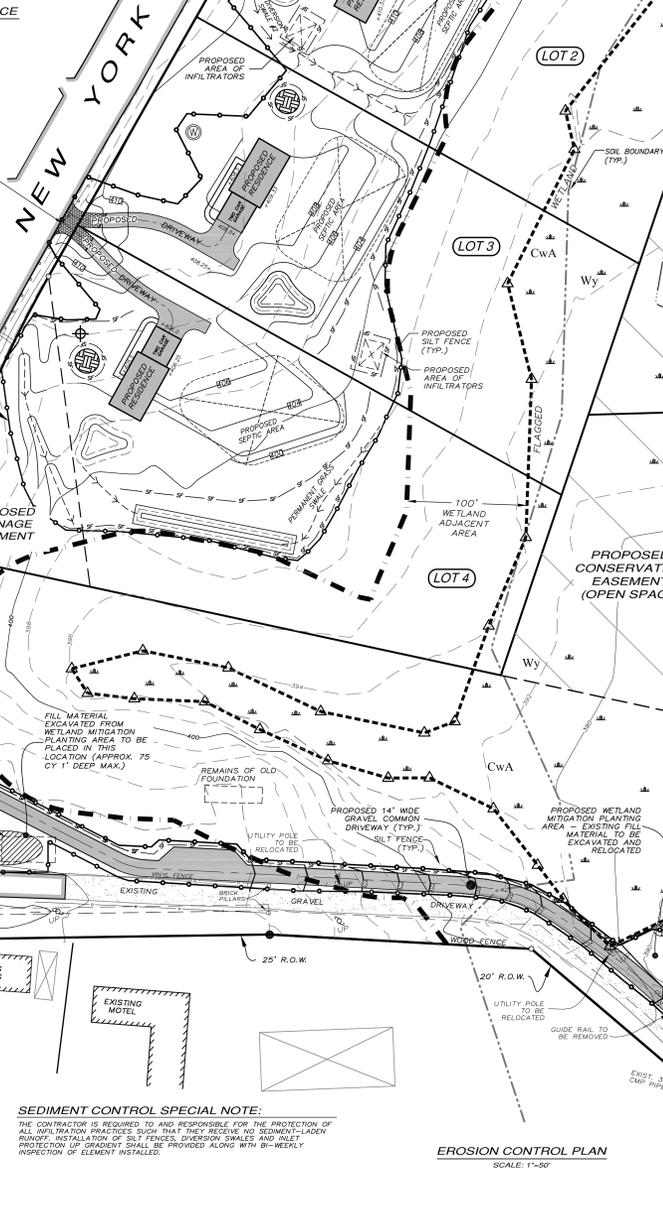
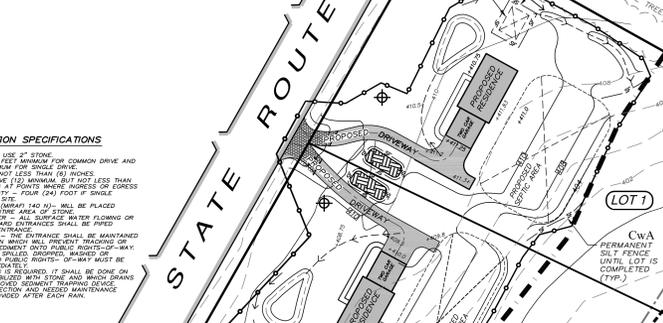
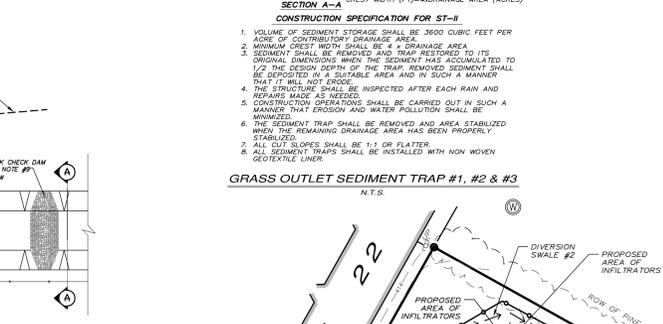
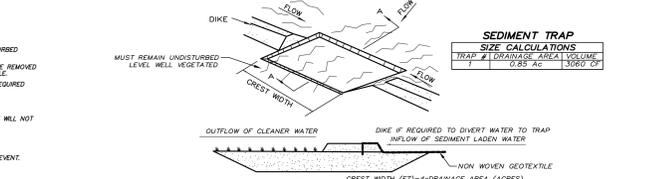
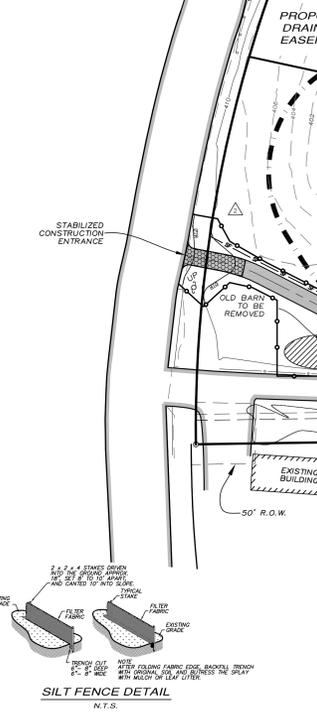
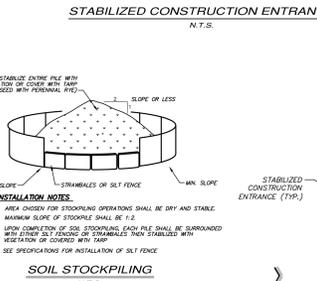
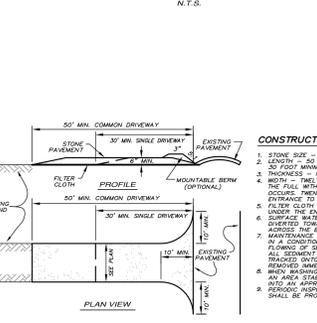
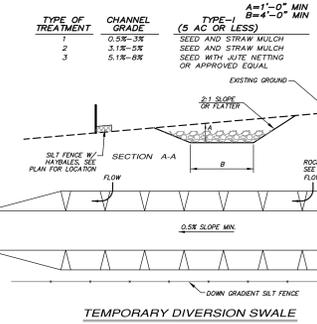


- NOTES:**
1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 2. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT STABILIZED AREA AT NON-EROSIVE VELOCITY.
 3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED AREA OF 50' AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
 4. ALL PRESS BRUSH, STUMP OBSTRUCTION, AND OTHER OBSTRUCTIVE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
 5. THE SWALE SHALL BE EXCAVATED TO SHOWN LINE, GRADE AND CROSS SECTION AS REQUIRED. IRREGULARITIES WHICH WILL IMPAIR NORMAL FLOW.
 6. FILLS SHALL BE COMPACTED BY EACH WORKING EQUIPMENT.
 7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
 8. STABILIZATION SHALL BE AS PER THE CHART BELOW.
 9. INSTALL ROCK CHECK DAMS AT 100' INTERVALS WHERE CHANNEL SLOPE EXCEEDS SIX PERCENT.
 10. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



- EROSION & SEDIMENTATION CONTROL NOTES:**
1. INTRODUCTION: THE EROSION & SEDIMENTATION CONTROLS SHOWN SHALL BE INSTALLED, CONSTRUCTED, AND MAINTAINED IN CONFORMANCE WITH THE TOWN OF DOVER EROSION & SEDIMENT CONTROL REGULATIONS AS STATED IN CHAPTER 65 OF THE TOWN OF DOVER ZONING CODE. THE STORMWATER MANAGEMENT REPORT NARRATIVE DESCRIBES THE EROSION AND SEDIMENT CONTROLS PROPOSED FOR THE PROJECT, DISCUSSES THE CONSTRUCTION SEQUENCE AND STATES THE REQUIREMENTS FOR INSPECTION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROLS. THE SEQUENCE OF CONSTRUCTION IS DIVIDED INTO FOUR (4) WORK AREAS, AS NOTED IN THE SEQUENCE.
 2. GENERAL SPECIFICATIONS: ALL EROSION CONTROL MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A REGULAR BASIS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED LAND HAS BEEN STABILIZED BY VEGETATION OR PAVING. THE MINIMUM REQUIREMENTS IS FOR NEARLY INSPECTION, PLUS INSPECTION IMMEDIATELY AFTER ALL STORMS OF 0.5 INCHES OR GREATER. REFER TO SPECIFIC EROSION CONTROL MEASURES FOR MORE DETAILED INFORMATION.
 3. RESPONSIBILITY FOR THIS EROSION AND SEDIMENT CONTROL PLAN RESTS WITH THE LANDOWNER OF RECORD (A/A/J/A "THE OPERATOR"). THIS RESPONSIBILITY INCLUDES INSTALLATION AND MAINTENANCE OF ALL CONTROL MEASURES, INFORMING ALL PARTIES INVOLVED IN SITE CONSTRUCTION OF THE PLAN'S OBJECTIVES AND REQUIREMENTS, NOTIFYING THE TOWN OF ANY VIOLATIONS, AND OBTAINING NECESSARY PERMITS. THE OPERATOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES ON A MONTHLY BASIS. THE OPERATOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES ON A MONTHLY BASIS. THE OPERATOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES ON A MONTHLY BASIS.
 4. INSPECTION: THE OPERATOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES ON A MONTHLY BASIS. THE OPERATOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES ON A MONTHLY BASIS. THE OPERATOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES ON A MONTHLY BASIS.

- PERMANENT VEGETATIVE COVER:**
1. SITE PREPARATION:
 - a. INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN.
 - b. SCARIFY EXPOSED SOIL AREAS.
 - c. LINE AS REQUIRED TO PH 6.5.
 - d. FERTILIZE WITH 100-4-45/100/50 S.F.
 - e. INCORPORATE AMENDMENTS INTO SOIL WITHIN DISC HOLLOW.
 2. SEED MIXTURES FOR USE ON SWALES & CUT/FILL AREAS:

ALTERNATIVE A	SEEDS	PERCENTAGE
	KENTUCKY BLUE GRASS	20
	CRIMSON CLOVER	20
	RYE GRASS OR REDTOP	20
	SMOOTH BROMUSGRASS	20
 3. SEEDING:
 - a. PREPARE SEED BED BY RAKING TO REMOVE STONES, TWIGS, ROOTS AND OTHER FOREIGN MATERIAL.
 - b. APPLY SOIL AMENDMENTS AND INTEGRATE INTO SOIL.
 - c. APPLY SEED UNIFORMLY BY CYCLOE SEEDER.
 - d. CALIBRATE CYCLOE SEEDER AT 100% EFFICIENCY.
 - e. IRRIGATE TO FULL SATURATION SOIL LAYER, BUT NOT TO SOAK.
 - f. SEEDING BETWEEN 15TH TO MAY 31ST AND SEPTEMBER 1ST TO NOVEMBER 15TH. SEEDING MAY OCCUR MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS PROVIDED.

- MULCHING:**
1. MULCHING MATERIALS:
 - a. THE BEST COMBINATION FOR GRASS/LEGUME ESTABLISHMENT IS STRAW (SMALL GRAIN) MULCH APPLIED AT 10 TON/AC (20 US LBS/1000 SQ FT) AND ANCHORED WITH WOOD PILES (MILN HYDROGRAPHS) AT 500-700 LBS/AC (11-17 US LBS/1000 SQ FT). THE WOOD PILES MUST BE APPLIED THROUGH A HORIZONTAL MOWER IMMEDIATELY AFTER MULCHING.
 2. EXISTING TOPSOIL: EXISTING TOPSOIL WILL BE REMOVED AND STORED IN PILES. SUBSEQUENTLY REMOVED FROM OTHER EXCAVATION TO AVOID MOUNDING. STOCKPILES SHALL BE SURROUNDED BY EROSION CONTROL MEASURES TO PREVENT EROSION. THE FURNISHING OF NEW TOPSOIL SHALL BE OF A BETTER OR EQUAL TO QUALITY OF THE EXISTING ALLEGANY TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA (EST/SLI) TYPICAL:
 - a. THE PH OF THE MATERIAL SHALL BE 5.5 TO 7.0.
 - b. THE ORGANIC CONTENT SHALL NOT BE LESS THAN 2% OR MORE THAN 7%.

- TEMPORARY VEGETATIVE COVER:**
1. SITE PREPARATION:
 - a. INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN.
 - b. SCARIFY AREAS OF COMPACTED SOIL.
 - c. FERTILIZE WITH 10-10-10/100/40/50/50 S.F.
 - d. LINE AS REQUIRED TO PH 6.5.
 2. SEED SPECIES:

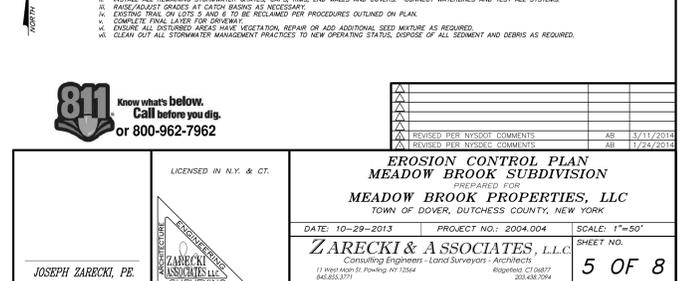
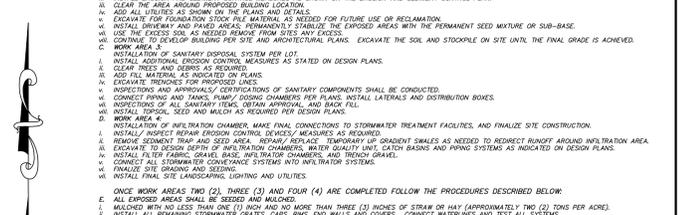
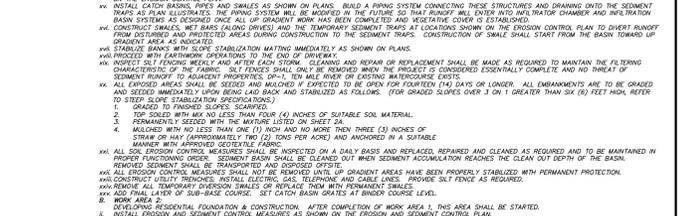
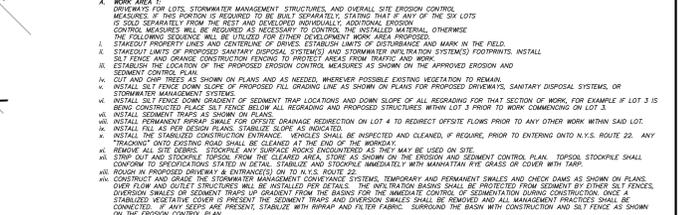
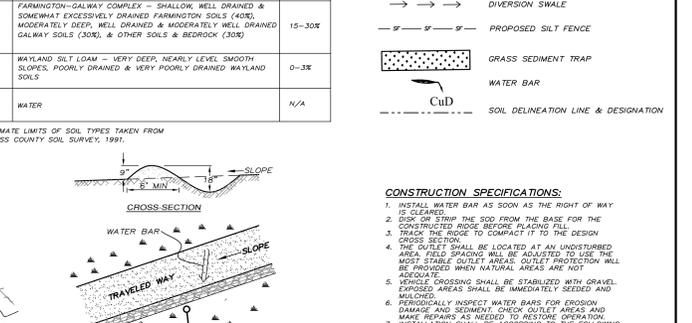
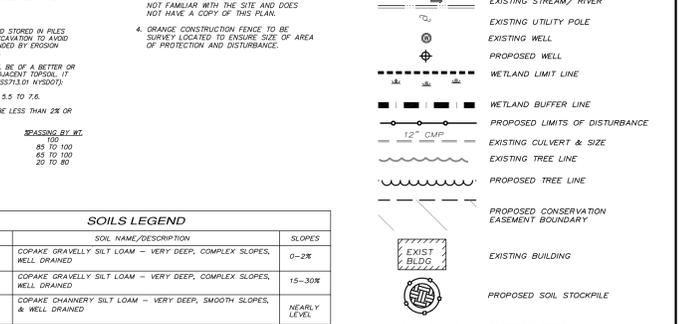
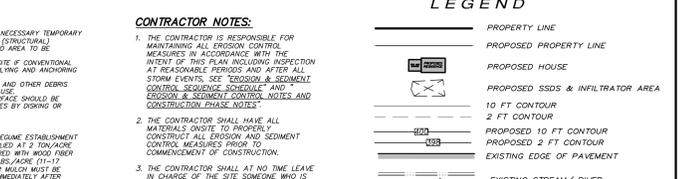
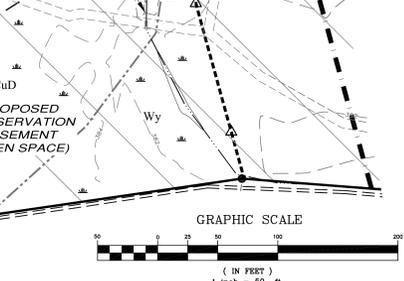
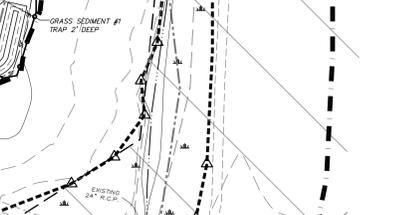
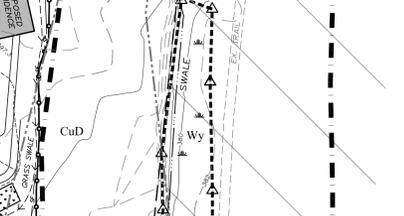
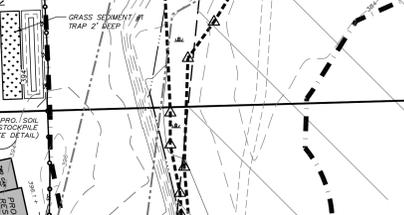
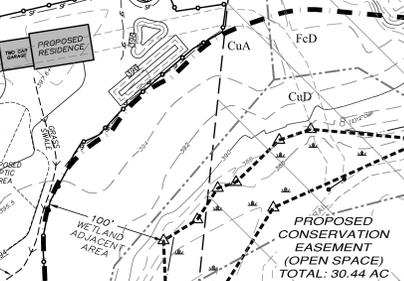
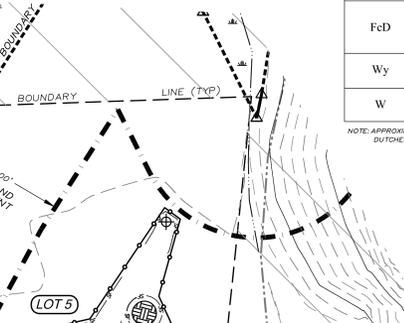
MIXTURE	PERCENTAGE
RYE GRASS	20
CRIMSON CLOVER	20
SMOOTH BROMUSGRASS	20
RYE GRASS	20
 3. SEEDING: SAME AS PERMANENT VEGETATIVE COVER.

- SOILS LEGEND**
- | SYMBOL | SOIL NAME/DESCRIPTION | SLOPES |
|--------|---|--------------|
| CuA | COYAKE GRAVELLY SILT LOAM - VERY DEEP, COMPLEX SLOPES, WELL DRAINED | 0-2% |
| CuD | COYAKE GRAVELLY SILT LOAM - VERY DEEP, COMPLEX SLOPES, WELL DRAINED | 15-30% |
| CwA | COYAKE CHANNERY SILT LOAM - VERY DEEP, SMOOTH SLOPES, & WELL DRAINED | NEARLY LEVEL |
| FcD | FARMINGTON-GALWAY COMPLEX - SHALLOW, WELL DRAINED & SOMEWHAT EXCESSIVELY DRAINED FARMINGTON SOILS (40%) MODERATELY DRAINAGE & MODERATELY WELL DRAINED GALWAY SOILS (30%), & OTHER SOILS & BEDROCK (30%) | 15-30% |
| Wy | WAYLAND SILT LOAM - VERY DEEP, NEARLY LEVEL SMOOTH SLOPES, POORLY DRAINED & VERY POORLY DRAINED WAYLAND SOILS | 0-3% |
| W | WATER | N/A |

- CONTRACTOR NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
 2. THE CONTRACTOR SHALL HAVE ALL MATERIALS ON SITE TO PROTECT PROPERTIES FROM EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO CONSTRUCTION.
 3. THE CONTRACTOR SHALL AT NO TIME LEAVE IN CHARGE OF THE SITE SOMEONE WHO IS NOT FAMILIAR WITH THE SITE AND DOES NOT HAVE A COPY OF THIS PLAN.
 4. GRADE CONSTRUCTION FENCE TO BE INSTALLED AT THE PERIMETER OF ALL EXPOSED AREAS OF PROTECTION AND DISTURBANCE.

- LEGEND**
- PROPERTY LINE
 - PROPOSED PROPERTY LINE
 - PROPOSED HOUSE
 - PROPOSED SDDS & INFILTRATOR AREA
 - 10 FT CONTOUR
 - 20 FT CONTOUR
 - PROPOSED 10 FT CONTOUR
 - PROPOSED 2 FT CONTOUR
 - EXISTING EDGE OF PAVEMENT
 - EXISTING STREAM / RIVER
 - EXISTING UTILITY POLE
 - EXISTING WELL
 - PROPOSED WELL
 - WETLAND LIMIT LINE
 - WETLAND BUFFER LINE
 - PROPOSED LIMITS OF DISTURBANCE
 - EXISTING CULVERT & SIZE
 - EXISTING TREE LINE
 - PROPOSED TREE LINE
 - PROPOSED CONSERVATION EASEMENT BOUNDARY
 - EXISTING BUILDING
 - PROPOSED SOIL STOCKPILE
 - DIVERSION SWALE
 - PROPOSED SILT FENCE
 - GRASS SEDIMENT TRAP
 - WATER BAR
 - SOIL DELINEATION LINE & DESIGNATION

- GENERAL NOTES:**
1. DURING CONSTRUCTION SWALES TOWARD GRASS OUTLET SEDIMENT TRAP, ONCE BARRIERS ARE CONSTRUCTED, THEN DIRECT RUNOFF INTO BARRIERS AND BEHIND BARRIERS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLAN.
 2. INSTALL SILT FENCE FIVE FEET FROM FLAGGED WETLANDS. LOCATIONS TO BE STABILIZED BY A SILT FENCE ARE SHOWN ON THE PLAN.
 3. STAKE OUT LIMITS OF DISTURBANCE, PROPOSED RESIDUES, SDDS COMPONENTS, ROAD/DRIVEWAY LOCATION, STORMWATER CONTROL, AND SET BENCHMARK (3) INSTALLED AT THE CORNER OF THE DISTURBED AREA.
 4. INSTALL SILT FENCE IN LOCATIONS AND ACCORDING TO DETAIL SHOWN ON PLAN.
 5. DURING MAINTENANCE OF SWALES, TAKE CARE TO PROTECT COMPACT ALL FILLS. STOCKPILE ALL EXCESS SOIL IN LOCATIONS SHOWN AND ACCORDING TO DETAIL SHOWN ON PLAN.
 6. CORPARE CHANNERY SILT LOAM - VERY DEEP, SMOOTH SLOPES, & WELL DRAINED.
 7. REMOVE AND RELOCATE ALL ITEMS SCHEDULED FOR REMOVAL OR RELOCATION.
 8. REMOVE AND RELOCATE ALL ITEMS SCHEDULED FOR REMOVAL OR RELOCATION.
 9. REMOVE AND RELOCATE ALL ITEMS SCHEDULED FOR REMOVAL OR RELOCATION.
 10. REMOVE AND RELOCATE ALL ITEMS SCHEDULED FOR REMOVAL OR RELOCATION.



EROSION CONTROL PLAN
MEADOW BROOK SUBDIVISION
TOWN OF DOVER, DUTCHESS COUNTY, NEW YORK

DATE: 10-29-2013 PROJECT NO: 2004.004 SCALE: 1"=50'
SHEET NO. 5 OF 8

ZARECKI & ASSOCIATES, L.L.C.
Consulting Engineers - Land Surveyors - Architects
11 HUNTERS HILL ROAD, SUITE 100, HUNTERS HILL, NY 12520
845.833.3711 FAX: 845.833.3710

JOSEPH ZARCKI, P.E.
L.C. N.Y. No. 81468