

VOLUME TWO to:

Petition of BNE Energy Inc.

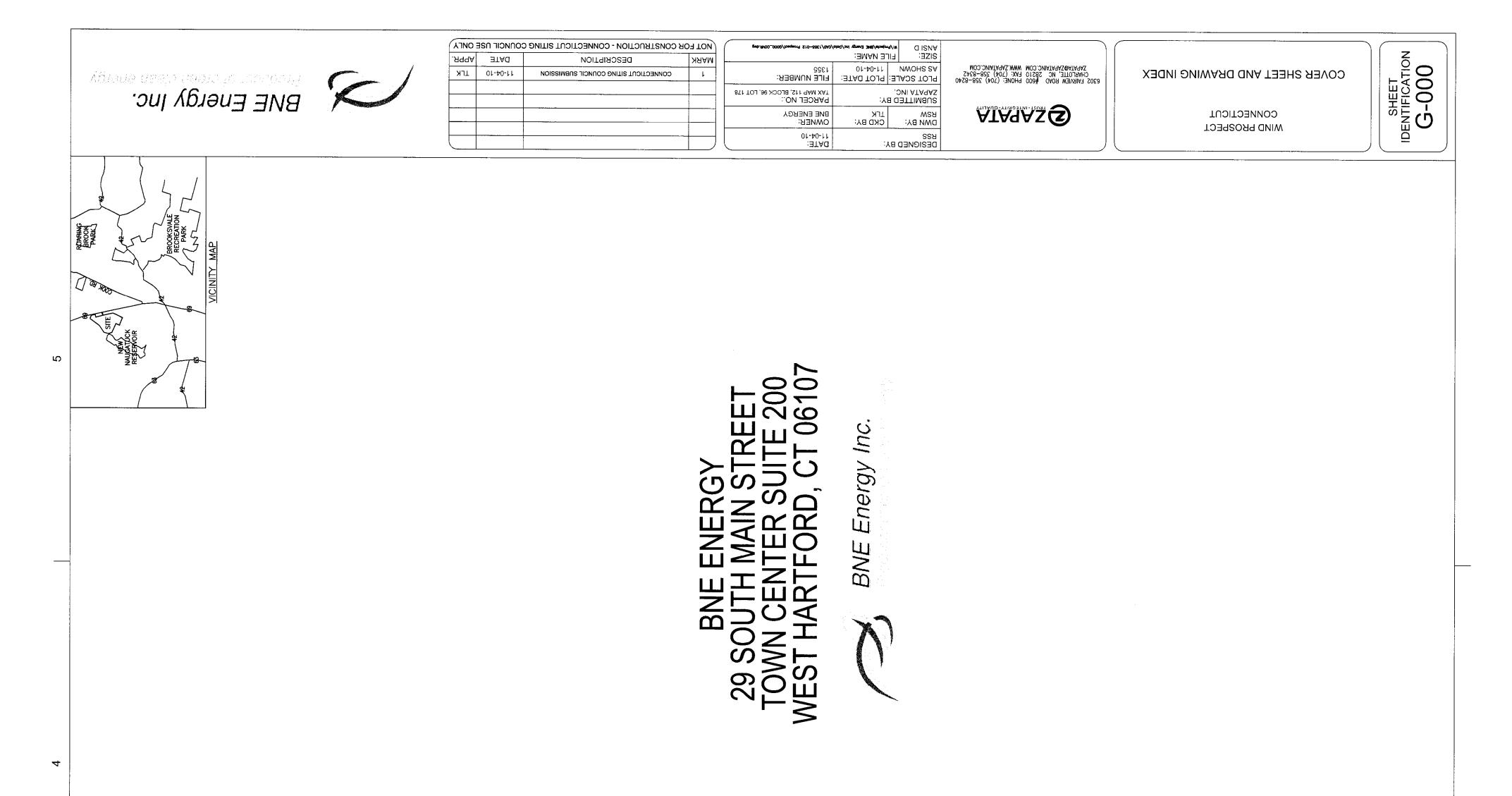
for a Declaratory Ruling for the Location, Construction and Operation of a 3.2 MW Wind Renewable Generating Project in Prospect, Connecticut

November 17, 2010

EXHIBITS

Site Plans	Exhibit F
Storm Water Management Plan	Exhibit G
Soil Erosion and Sedimentation Control Plan	Exhibit H

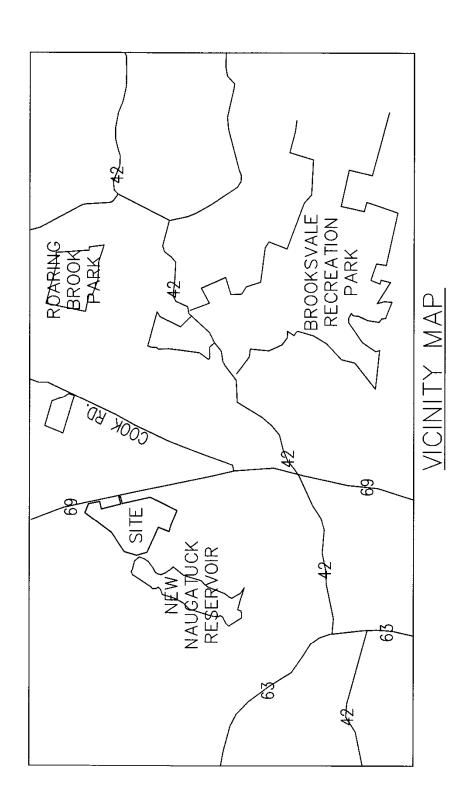
EXHIBIT F



WIND PROSPECT 178 NEW HAVEN ROAD PROSPECT, CONNECTICUT

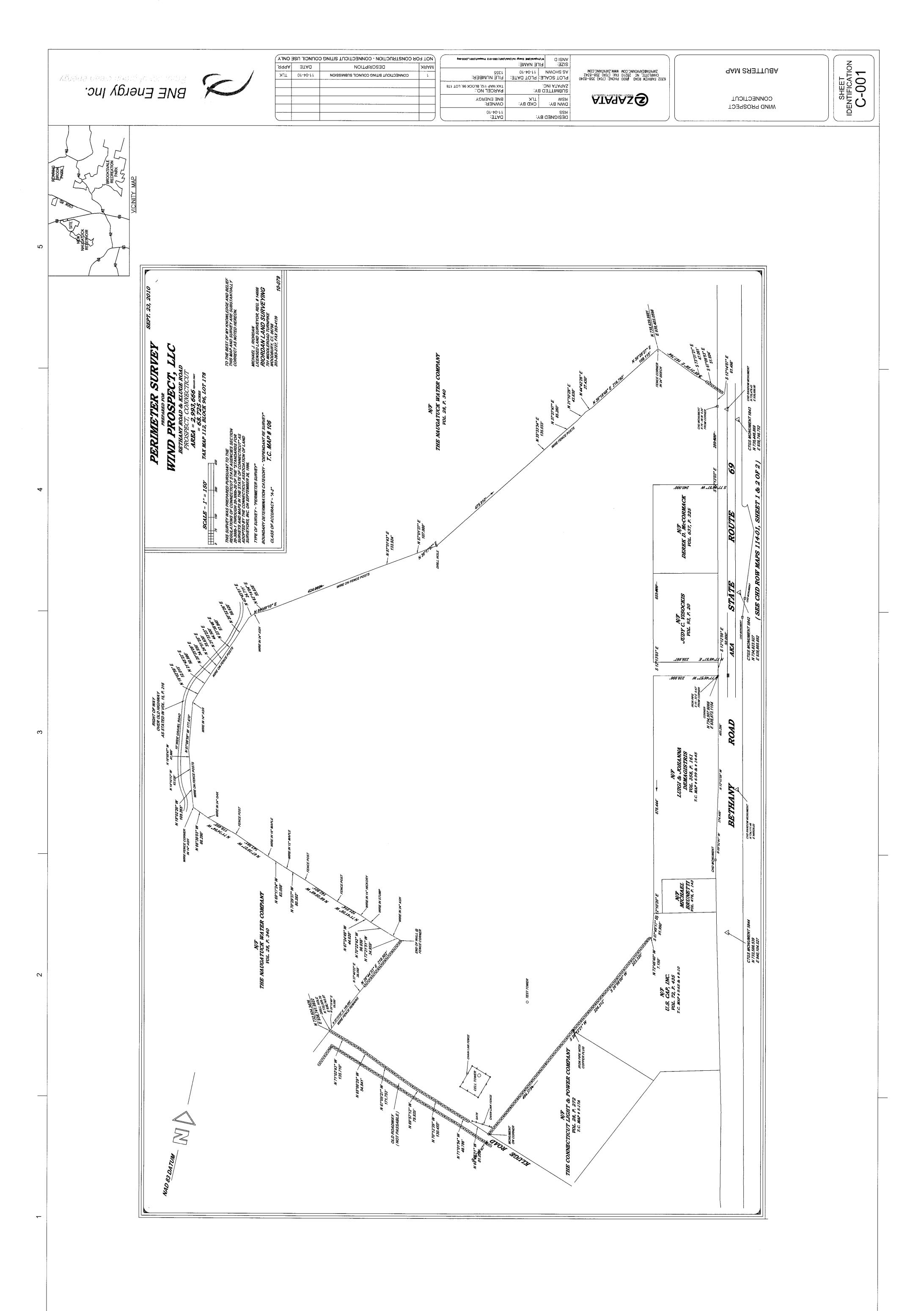
Э

2

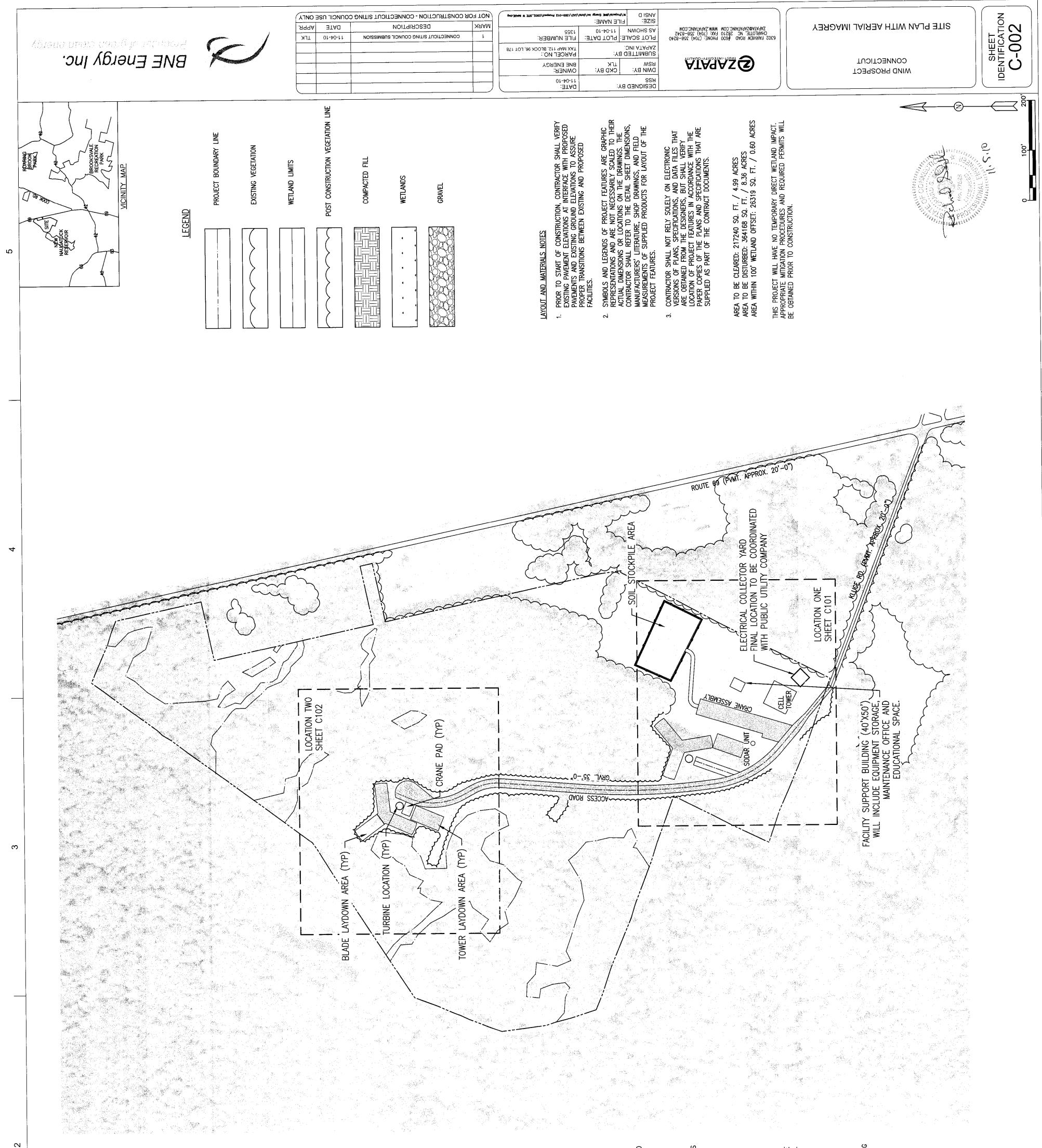


CONNECTICUT SITING COUNCIL SUBMISSION

		OF DRAWINGS WING INDEX IMAGERY IMAGERY AND CRANE ASSEMBLY SITE PLAN AND CRANE ASSEMBLY	C-202ACCESSROADSTA:9+00T0T0T0C-203TURBINELOCATIONTWOEROSIONCONTROLPLANC-300GRADINGPLANC-301TURBINELOCATIONONEANDCRADINGPLANC-301TURBINELOCATIONONEANDCRADINGPLANC-301TURBINELOCATIONPHASEGRADINGPLANC-302ACCESSROADSTA:9+00T04+00C-303TURBINELOCATIONTWOCONSTRUCTIONPHASEGRADINGPLANC-304ACCESSROADPLANANDPROFILESTA:0+00T04+00C-305ACCESSROADPLANANDPROFILESTA:9+00T014+00C-305ACCESSROADPLANANDPROFILESTA:9+00T014+00C-306POST-CONSTRUCTIONONEANDPROFILESTA:9+00T014+00C-308POST-CONSTRUCTIONONEANDPROFILESTA:14+00T019+52C-309TURBINELOCATIONONEANDPROFILESTA:9+00T019+52C-309TURBINELOCATIONONEANDPROFILESTA:14+00T019+52C-309TURBINELOCATIONONEANDCRANEASSEMBLYASSEMBLYASSEMBLYASSEMBLYC-309PLONOONE <td< th=""><th>POSI-CONSTRUCTION GRADING PLAN 22 C-310 ACCESS ROAD STA: 9+00 TO 15+00 POST-CONSTRUCTION GRADING PLAN 23 C-311 TURBINE LOCATION TWO POST-CONSTRUCTION GRADING PLAN 24 C-312 UPLAND MEADOW (CREATION ONE UPLAND MEADOW 25 C-313 TURBINE LOCATION ONE UPLAND MEADOW 26 C-314 ACCESS ROAD STA: 9+00 TO 15+00 UPLAND MEADOW 27 C-315 TURBINE LOCATION PLAN 29 C-314 ACCESS ROAD STA: 9+00 TO 15+00 UPLAND MEADOW 27 C-315 TURBINE LOCATION PLAN 29 C-314 ACCESS ROAD STA: 9+00 TO 15+00 21 C-315 TURBINE LOCATION PLAN 27 C-315 TURBINE LOCATION) PLAN 28 C-500 EROSION CONTROL NOTES 30 C-501 EROSION CONTROL DETAILS 31 C-502 EROSION CONTROL DETAILS 32 C-504 EROSION CONTROL DETAILS 33 A-001 FALILY SUPPORT BUILDING 34 E-101 ELECTRICAL – SITE PLAN 35 E-501 ELECTRICAL – SITE PLAN</th></td<>	POSI-CONSTRUCTION GRADING PLAN 22 C-310 ACCESS ROAD STA: 9+00 TO 15+00 POST-CONSTRUCTION GRADING PLAN 23 C-311 TURBINE LOCATION TWO POST-CONSTRUCTION GRADING PLAN 24 C-312 UPLAND MEADOW (CREATION ONE UPLAND MEADOW 25 C-313 TURBINE LOCATION ONE UPLAND MEADOW 26 C-314 ACCESS ROAD STA: 9+00 TO 15+00 UPLAND MEADOW 27 C-315 TURBINE LOCATION PLAN 29 C-314 ACCESS ROAD STA: 9+00 TO 15+00 UPLAND MEADOW 27 C-315 TURBINE LOCATION PLAN 29 C-314 ACCESS ROAD STA: 9+00 TO 15+00 21 C-315 TURBINE LOCATION PLAN 27 C-315 TURBINE LOCATION) PLAN 28 C-500 EROSION CONTROL NOTES 30 C-501 EROSION CONTROL DETAILS 31 C-502 EROSION CONTROL DETAILS 32 C-504 EROSION CONTROL DETAILS 33 A-001 FALILY SUPPORT BUILDING 34 E-101 ELECTRICAL – SITE PLAN 35 E-501 ELECTRICAL – SITE PLAN
۵	U		m	



D D m √



NATION AND THESE I IS TO OBTAIN ITROL DURING 21. CONTRACTOR SHALL ESTABLISH AND VERIFY POINT OF BEGI (P.O.B) AND STAKE SITE AS INDICATED ON CONSTRUCTION DOCUMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES

C

~___

Δ

GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, LOCAL REQUIREMENTS AND GOVERNMENT REQUIREMENTS.
 - AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE SIX INCHES OF TOPSOIL AND SHALL BE SEEDED, UNLESS OTHERWISE NOTED. 5
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. m
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE INDICATED. 4.
 - Areas outside the limits of proposed work disturbed by the contractor's operations shall be restored by the contractor to their original condition at the contractor's expense as soon as practicable. ч.
- 6. IN THE EVENT THAT SUSPECTED CONTAMINATED SOILS ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. б.

മ

- Contractor shall prevent dust, sediment, and debris From exiting the site and shall be responsible for cleanup, repars and corrective action if such occurs. Contractor shall dispose of debris in accordance with Applicable federal, state, and local regulations, ordinances, and statutes. 7.
 - DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR. ω
- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY. ALL PAVEMENT, DITCHES, CURB AND GUTTER, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, FENCES, ETC. DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND/OR RESTORED. б.
- ALL ON SITE VEHICLE TRANSPORTATION ROUTES SHALL BE TEMPORARILY STABILIZED WITH STONE IMMEDIATELY AFTER GRADING TO PROVIDE READY ACCESS FOR EMERGENCY VEHICLES TO TRAVEL THROUGH AND AROUND THE CONSTRUCTION SITE DURING BOTH DRY AND WET WEATHER. <u>6</u>

OF BUILDING,

22. ALL DIMENSIONS ARE TO BACK OF CURB, FACE OR CENTERLINE UNLESS OTHERWISE NOTED.

IT COMPL JMENTS.

23. ALL DETAILS SHALL BE CONSTRUCTED IN STRIC WITH SPECIFICATIONS AND CONSTRUCTION DOCU

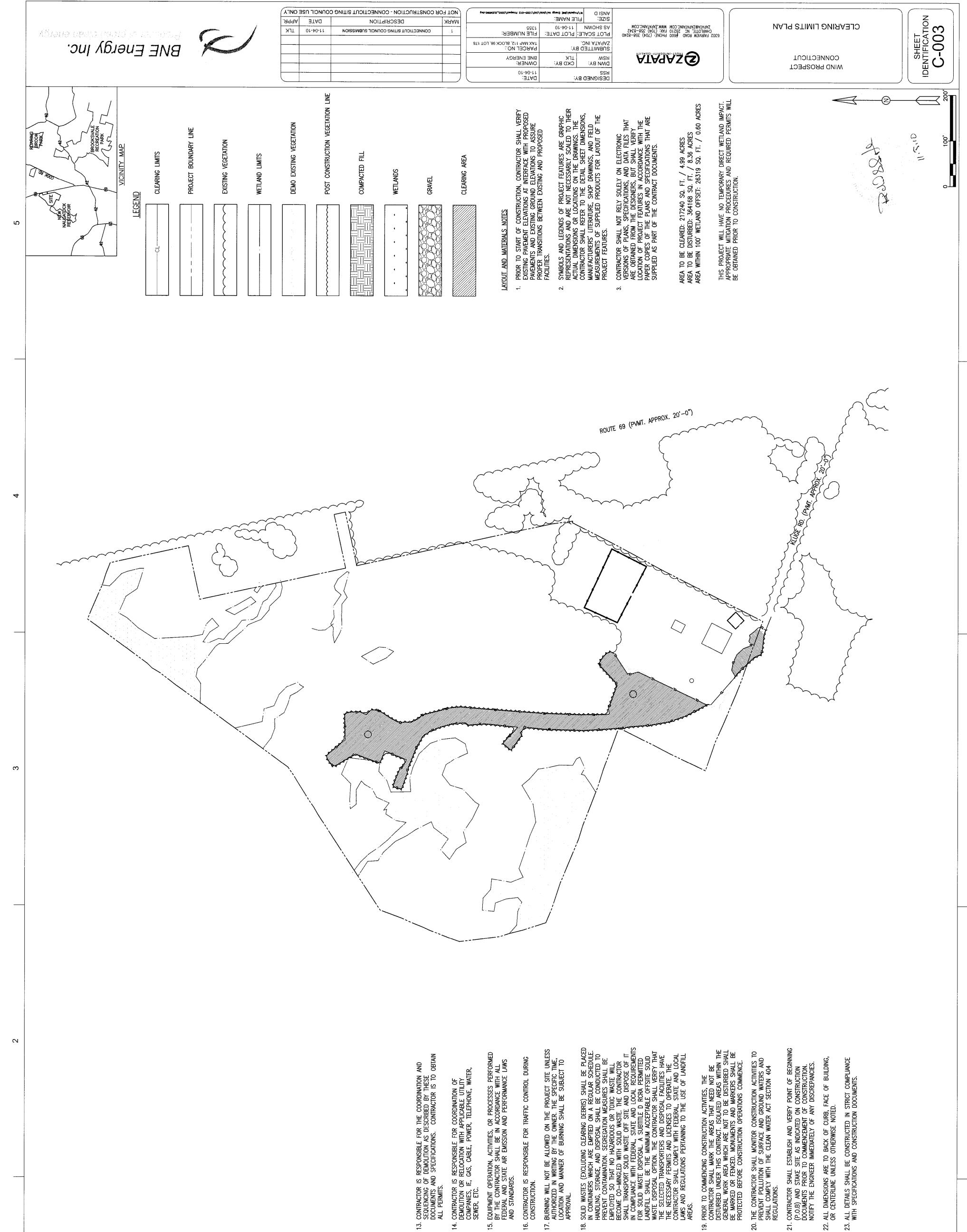
11. EXCESS EXCAVATION MATERIAL SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR OR IN ON SITE AREAS APPROVED BY THE OWNER. NO SPOILS SHALL BE STORED ON SITE BEYOND SUBSTANTIAL COMPLETION.

 \triangleleft

DEWATERING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. 12.

- 13. CONTRACTOR IS RESPONSIBLE FOR THE COORDIN SEQUENCING OF DEMOLITION AS DESCRIBED BY DOCUMENTS AND SPECIFICATIONS. CONTRACTOR ALL PERMITS.
- 14. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DEMOLITION OR RELOCATION WITH APPLICABLE UTILITY COMPANIES, IE, GAS, CABLE, POWER, TELEPHONE, WATER, SEWER, ETC.

- 15. EQUIPMENT OPERATION, ACTIVITIES, OR PROCESSES PERFORMED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL FEDERAL AND STATE AIR EMISSION AND PERFORMANCE LAWS AND STANDARDS.
- 16. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CON CONSTRUCTION.
- 17. BURNING WILL NOT BE ALLOWED ON THE PROJECT SITE UNLESS AUTHORIZED IN WRITING BY THE OWNER. THE SPECIFIC TIME, LOCATION AND MANNER OF BURNING SHALL BE SUBJECT TO APPROVAL.
 - 18. SOLID WASTES (EXCLUDING CLEARING DEBRIS) SHAL IN CONTAINERS WHICH ARE EMPTIED ON A REGULAR HANDLING, STORAGE, AND DISPOSAL SHALL BE CON PREVENT CONTAMINATION. SEGREGATION MEASURES ? EMPLOYED SO THAT NO HAZARDOUS OR TOXIC WAS BECOME CO-MINGLED WITH SOLID WASTE. THE CON SHALL TRANSPORT SOLID WASTE OFF SITE AND DISF IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL R FOR SOLID WASTE DISPOSAL. A SUBTITLE D RCRA F IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL R FOR SOLID WASTE DISPOSAL. A SUBTITLE D RCRA F IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL R FOR SOLID WASTE DISPOSAL. A SUBTITLE D RCRA F IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL R FOR SOLID WASTE DISPOSAL OFFICE I AND FILL SHALL BE THE MINIMUM ACCEPTABLE OFFIC WASTE DISPOSAL OPTION. THE CONTRACTOR SHALL THE SELECTED TRANSPORTERS AND DISPOSAL FACIL THE SELECTED TRANSPORTERS AND DISPOSAL STATE LAWS AND REGULATIONS PERTAINING TO THE USE OF AREAS.
 - 19.
- 20. THE CONTRACTOR SHALL MONITOR CONSTRUCTION ACTIVITIES PREVENT POLLUTION OF SURFACE AND GROUND WATERS AND SHALL COMPLY WITH THE CLEAN WATER ACT SECTION 404 REGULATIONS.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL MARK THE AREAS THAT NEED NOT BE DISTURBED UNDER THIS CONTRACT. ISOLATED AREAS WITHIN GENERAL WORK AREA WHICH ARE NOT TO BE DISTURBED S BE MARKED OR FENCED. MONUMENTS AND MARKERS SHALL PROTECTED BEFORE CONSTRUCTION OPERATIONS COMMENCI



GENERAL NOTES ..

C

~

Δ

- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, LOCAL REQUIREMENTS AND GOVERNMENT REQUIREMENTS.
 - AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE SIX INCHES OF TOPSOIL AND SHALL BE SEEDED, UNLESS OTHERWISE NOTED. 2
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. ы.
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE INDICATED. 4.
- Areas outside the limits of proposed work disturbed by the contractor's operations shall be restored by the contractor to their original condition at the contractor's expense as soon as practicable. 5.

ш

- 6. IN THE EVENT THAT SUSPECTED CONTAMINATED SOILS ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. Ô.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS. CONTRACTOR SHALL DISPOSE OF DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES, AND STATUTES. 7.

19.

- DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR. ю
- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY. ALL PAVEMENT, DITCHES, CURB AND GUTTER, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, FENCES, ETC. DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND/OR RESTORED. റ്

20.

21.

- 10. All on site vehicle transportation routes shall be temporarily stabilized with stone immediately after grading to provide ready access for emergency vehicles to travel through and around the construction site during both dry and wet weather.
 - 11. EXCESS EXCAVATION MATERIAL SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR OR IN ON SITE AREAS APPROVED BY THE OWNER. NO SPOILS SHALL BE STORED ON SITE BEYOND SUBSTANTIAL COMPLETION.

∢

23. ALL DETAILS SHALL BE CONSTRUCTED IN STRICT CO WITH SPECIFICATIONS AND CONSTRUCTION DOCUMEN

12. DEWATERING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

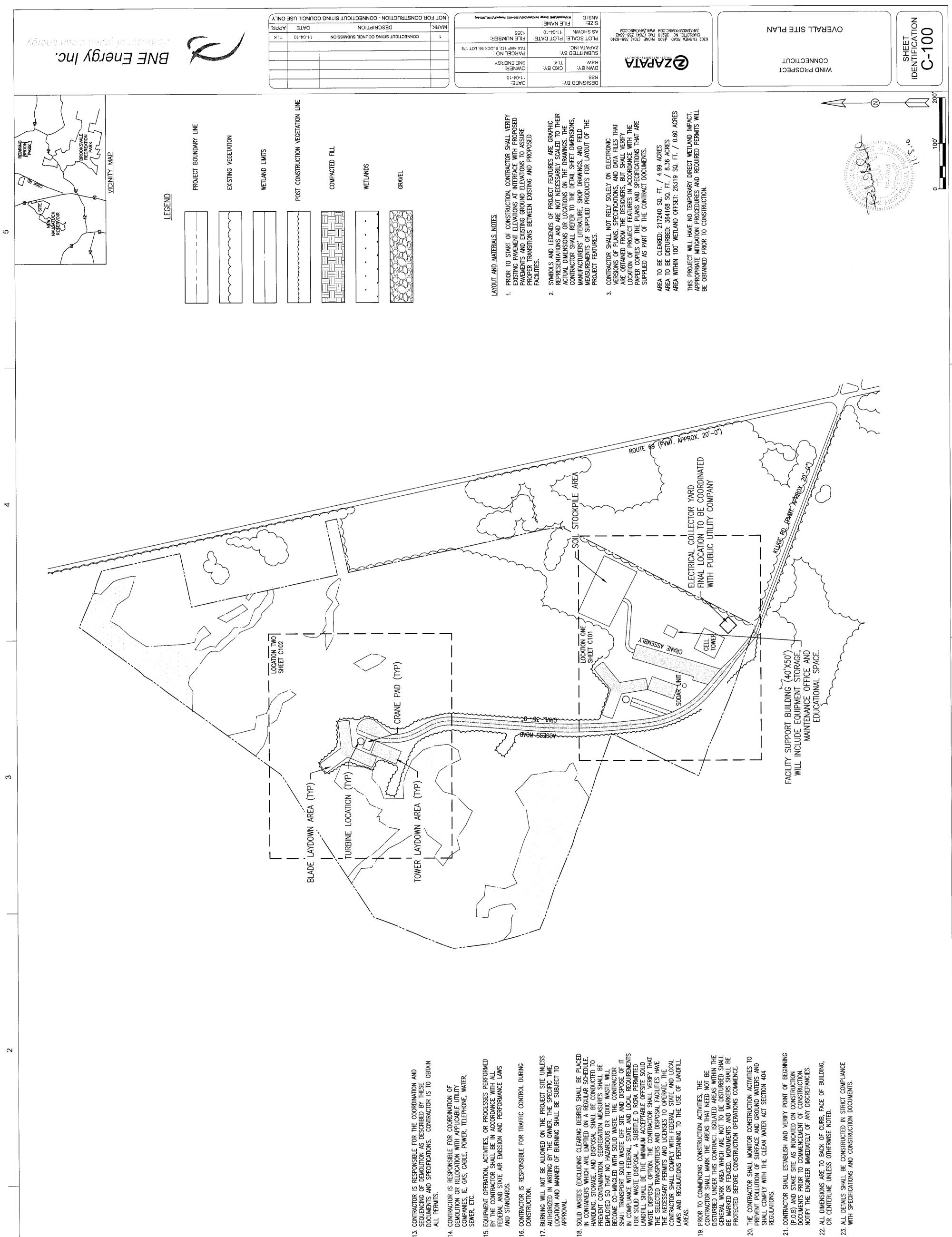
- 13. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND SEQUENCING OF DEMOLITION AS DESCRIBED BY THESE DOCUMENTS AND SPECIFICATIONS. CONTRACTOR IS TO OBTAI ALL PERMITS. 14. CONTRACTOR IS RESPONSIBLE FOR COORDINATION DEMOLITION OR RELOCATION WITH APPLICABLE UTIL COMPANIES, IE, GAS, CABLE, POWER, TELEPHONE, SEWER, ETC.

15. EQUIPMENT OPERATION, ACTIVITIES, OR PROCESSES BY THE CONTRACTOR SHALL BE IN ACCORDANCE W FEDERAL AND STATE AIR EMISSION AND PERFORMAI AND STANDARDS.

16. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTR CONSTRUCTION.

- 17. BURNING WILL NOT BE ALLOWED ON THE PROJECT AUTHORIZED IN WRITING BY THE OWNER. THE SPEC LOCATION AND MANNER OF BURNING SHALL BE SU APPROVAL.

- - 18.
- 18. SOLID WASTES (EXCLUDING CLEARING DEBRIS) SHALL IN CONTAINERS WHICH ARE EMPTIED ON A REGULAR S HANDLING, STORAGE, AND DISPOSAL SHALL BE CONDU PREVENT CONTAMINATION. SEGREGATION MEASURES SH EMPLOYED SO THAT NO HAZARDOUS OR TOXIC WASTE BECOME CO-MINGLED WITH SOLID WASTE. THE CONTRY SHALL TRANSPORT SOLID WASTE OFF SITE AND LOCAL REG FOR SOLID WASTE DISPOSAL. A SUBTITLE D RCRA PEF LANDFILL SHALL BE THE MINIMUM ACCEPTABLE OFFSIT WASTE DISPOSAL. A SUBTITLE D RCRA PEF LANDFILL SHALL BE THE MINIMUM ACCEPTABLE OFFSIT WASTE DISPOSAL OPTION. THE CONTRACTOR SHALL VE THE SELECTED TRANSPORTERS AND DISPOSAL FACILITII THE NECESSARY PERMITS AND LICENSES TO OPERATE. CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE AN LAWS AND REGULATIONS PERTAINING TO THE USE OF AREAS.



6. IN THE EVENT THAT SUSPECTED CONTAMINATED SOILS ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, LOCAL REQUIREMENTS AND GOVERNMENT REQUIREMENTS. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE INDICATED. Areas outside the limits of proposed work disturbed by the contractor's operations shall be restored by the contractor to their original condition at the contractor's expense as soon as practicable. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE SIX INCHES OF TOPSOIL AND SHALL BE SEEDED, UNLESS OTHERWISE NOTED. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR. **GENERAL NOTES** ē. യ് <u>.</u>. r. 4. 7 ъ, 2 ഹ ю. \triangleleft ш Δ S

- 13. CONTRACTOR IS RESPONSIBLE FOR THE COORDIN. SEQUENCING OF DEMOLITION AS DESCRIBED BY T DOCUMENTS AND SPECIFICATIONS. CONTRACTOR ALL PERMITS.
- 14. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DEMOLITION OR RELOCATION WITH APPLICABLE UTILITY COMPANIES, IE, GAS, CABLE, POWER, TELEPHONE, WATER, SEWER, ETC.
- 15. EQUIPMENT OPERATION, ACTIVITIES, OR PROCESSES PERFORMED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL FEDERAL AND STATE AIR EMISSION AND PERFORMANCE LAWS AND STANDARDS.
- 16. Contractor is responsible for traffic control during construction.
- 17. BURNING WILL NOT BE ALLOWED ON THE PROJECT SITE UNLESS AUTHORIZED IN WRITING BY THE OWNER. THE SPECIFIC TIME, LOCATION AND MANNER OF BURNING SHALL BE SUBJECT TO APPROVAL.
- 18. SOLID WASTES (EXCLUDING CLEARING DEBRIS) SHALL BE PLACED IN CONTAINERS WHICH ARE EMPTIED ON A REGULAR SCHEDULE. HANDLING, STORAGE, AND DISPOSAL SHALL BE CONDUCTED TO PREVENT CONTAMINATION. SECRECATION MEASURES SHALL BE EMPLOYED SO THAT NO HAZARDOUS OR TOXIC WASTE WILL BECOME CO-MINGLED WITH SOLID WASTE. THE CONTRACTOR SHALL TRANSPORT SOLID WASTE OFF SITE AND DISPOSE OF IT IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS FOR SOLID WASTE DISPOSAL. A SUBTILE D RCRA PERMITTED LANDFILL SHALL BE THE MINIMUM ACCEPTABLE OFFSITE SOLID WASTE DISPOSAL OPTION. THE CONTRACTOR SHALL VERIFY THAT THE SELECTED TRANSPORTERS AND DISPOSAL FACILITIES HAVE THE NECESSARY PERMITS AND LICENSES TO OPERATE. THE CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS PERTAINING TO THE USE OF LANDFILL AREA.
 - CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS. CONTRACTOR SHALL DISPOSE OF DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES, AND STATUTES.

19.

- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY. ALL PAVEMENT, DITCHES, CURB AND GUTTER, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, FENCES, ETC. DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND/OR RESTORED.

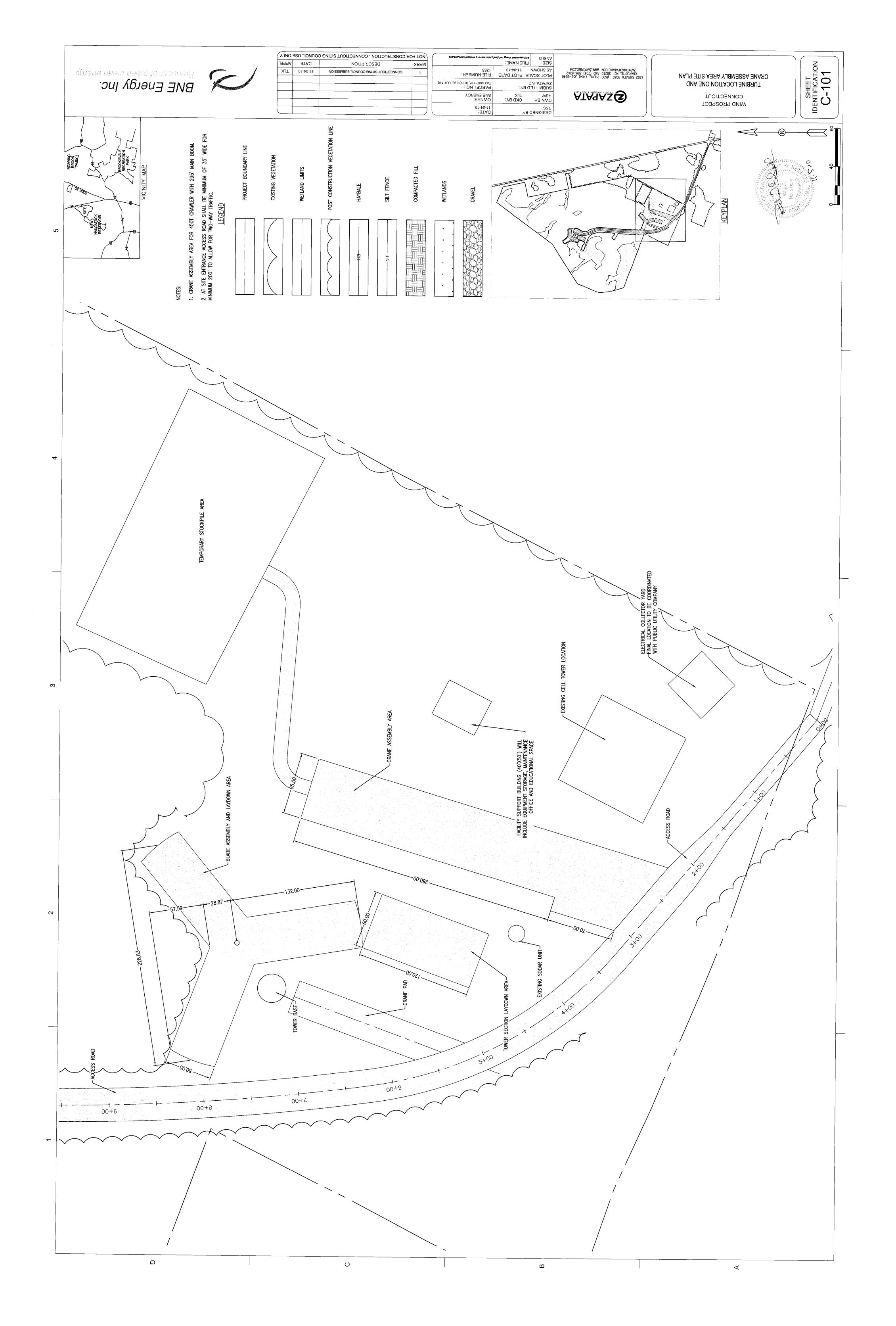
20.

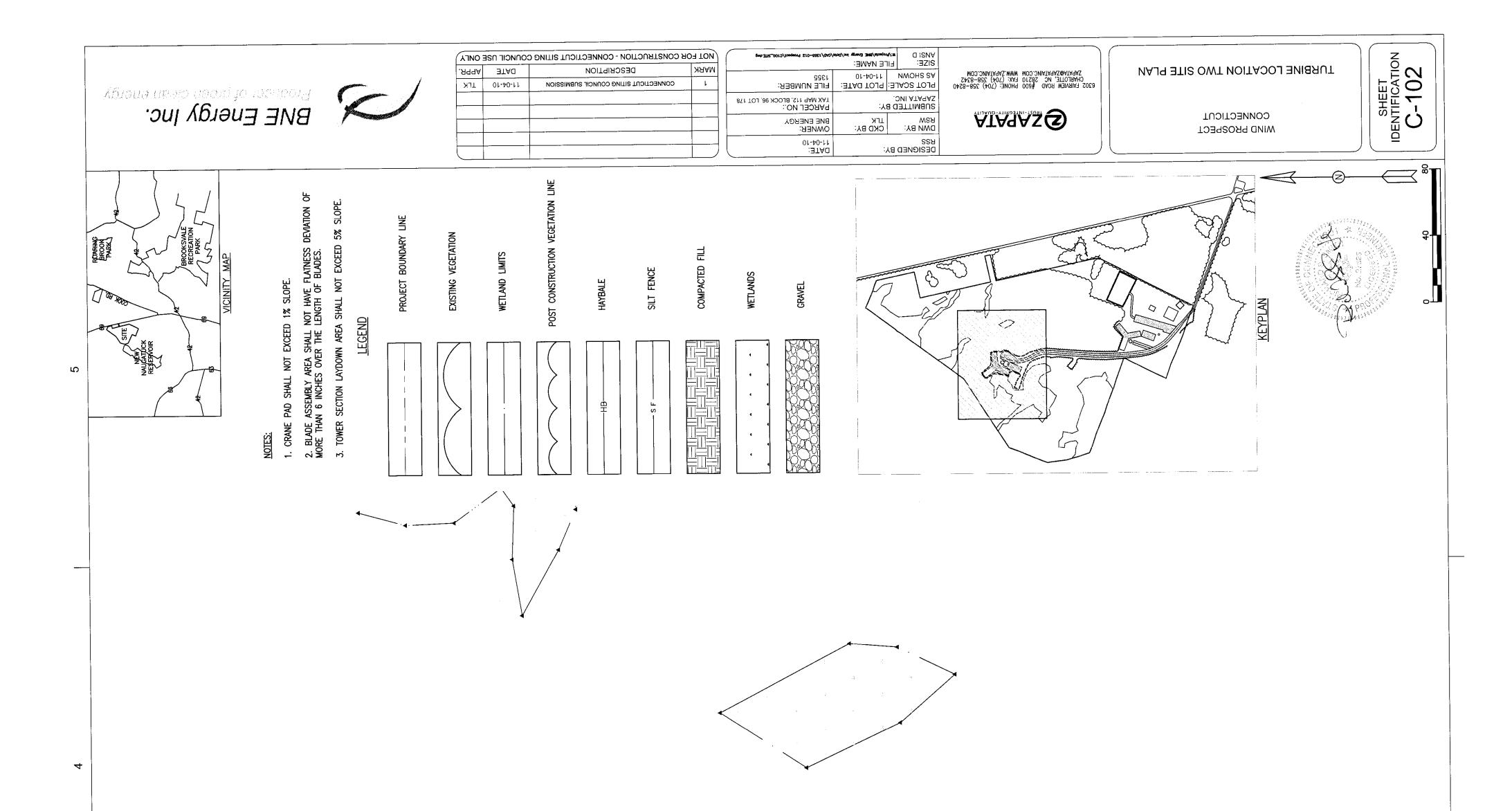
- ALL ON SITE VEHICLE TRANSPORTATION ROUTES SHALL BE TEMPORARILY STABILIZED WITH STONE IMMEDIATELY AFTER GRADING TO PROVIDE READY ACCESS FOR EMERGENCY VEHICLES TO TRAVEL THROUGH AND AROUND THE CONSTRUCTION SITE DURING BOTH DRY AND WET WEATHER.

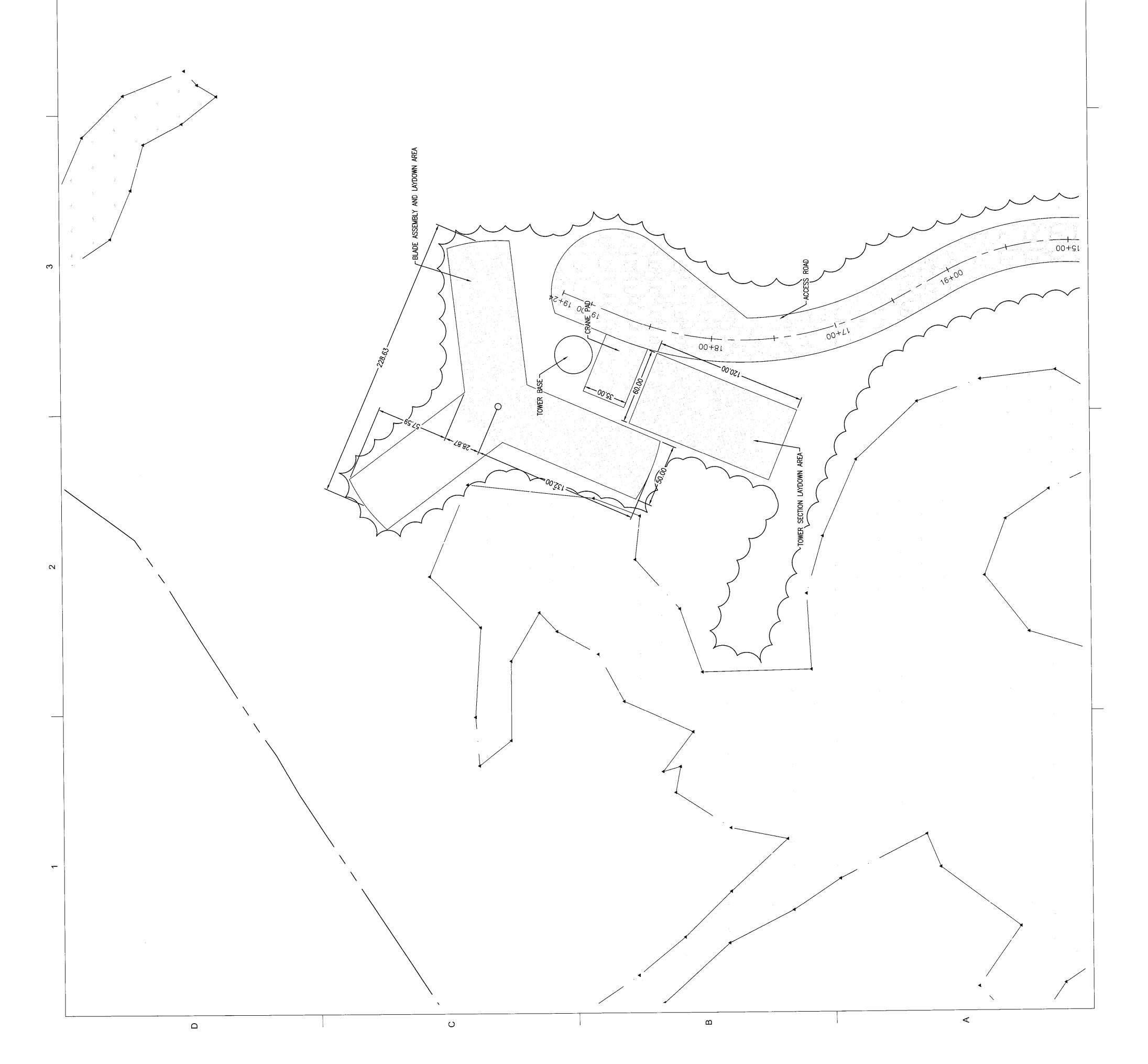
22. ALL DIMENSIONS ARE TO BACK OF CURB, FACE OR CENTERLINE UNLESS OTHERWISE NOTED.

23. ALL DETAILS SHALL BE CONSTRUCTED IN STRICT WITH SPECIFICATIONS AND CONSTRUCTION DOCUM

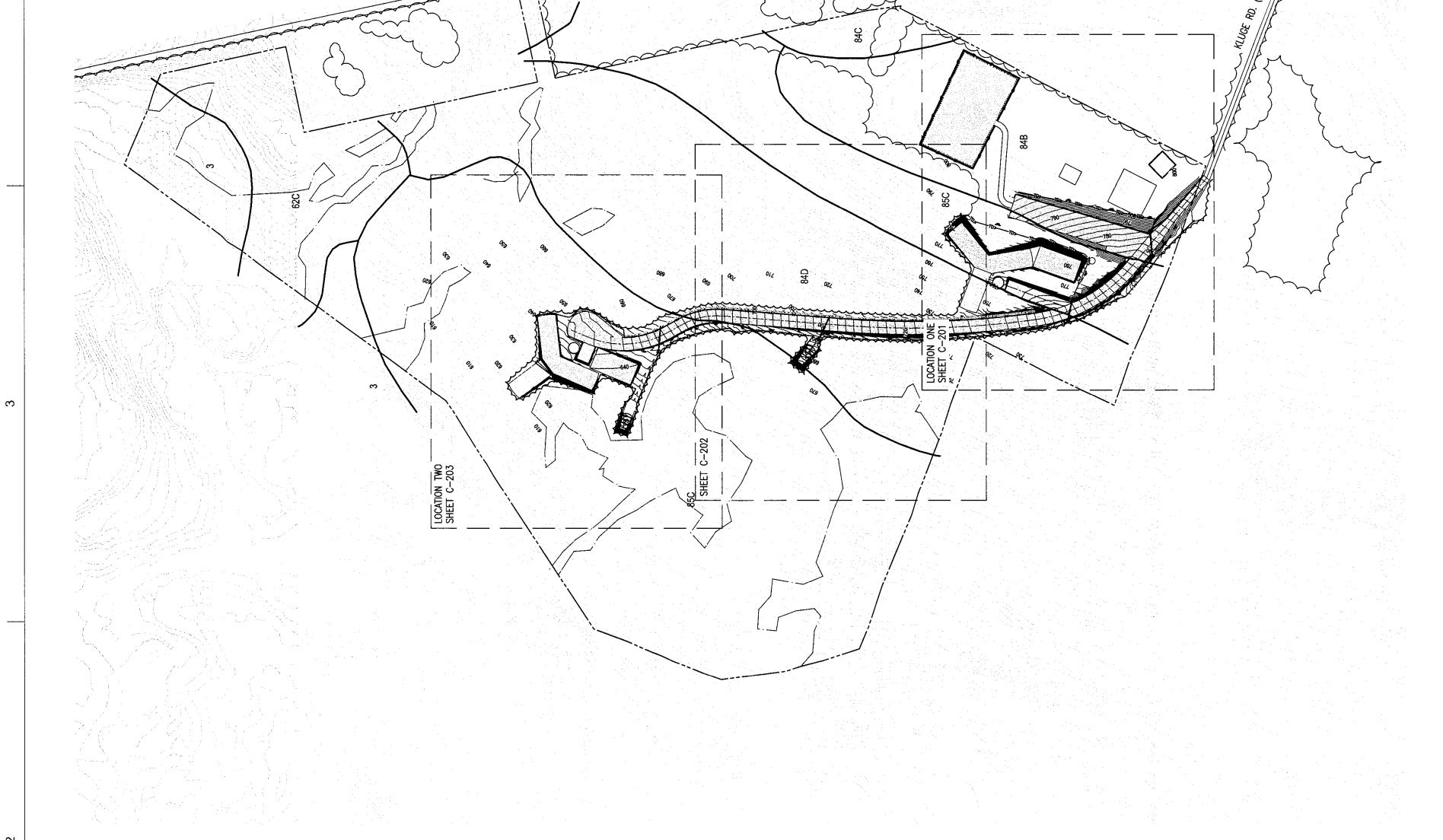
- 11. EXCESS EXCAVATION MATERIAL SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR OR IN ON SITE AREAS APPROVED BY THE OWNER. NO SPOILS SHALL BE STORED ON SITE BEYOND SUBSTANTIAL COMPLETION.
 - 12. DEWATERING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.





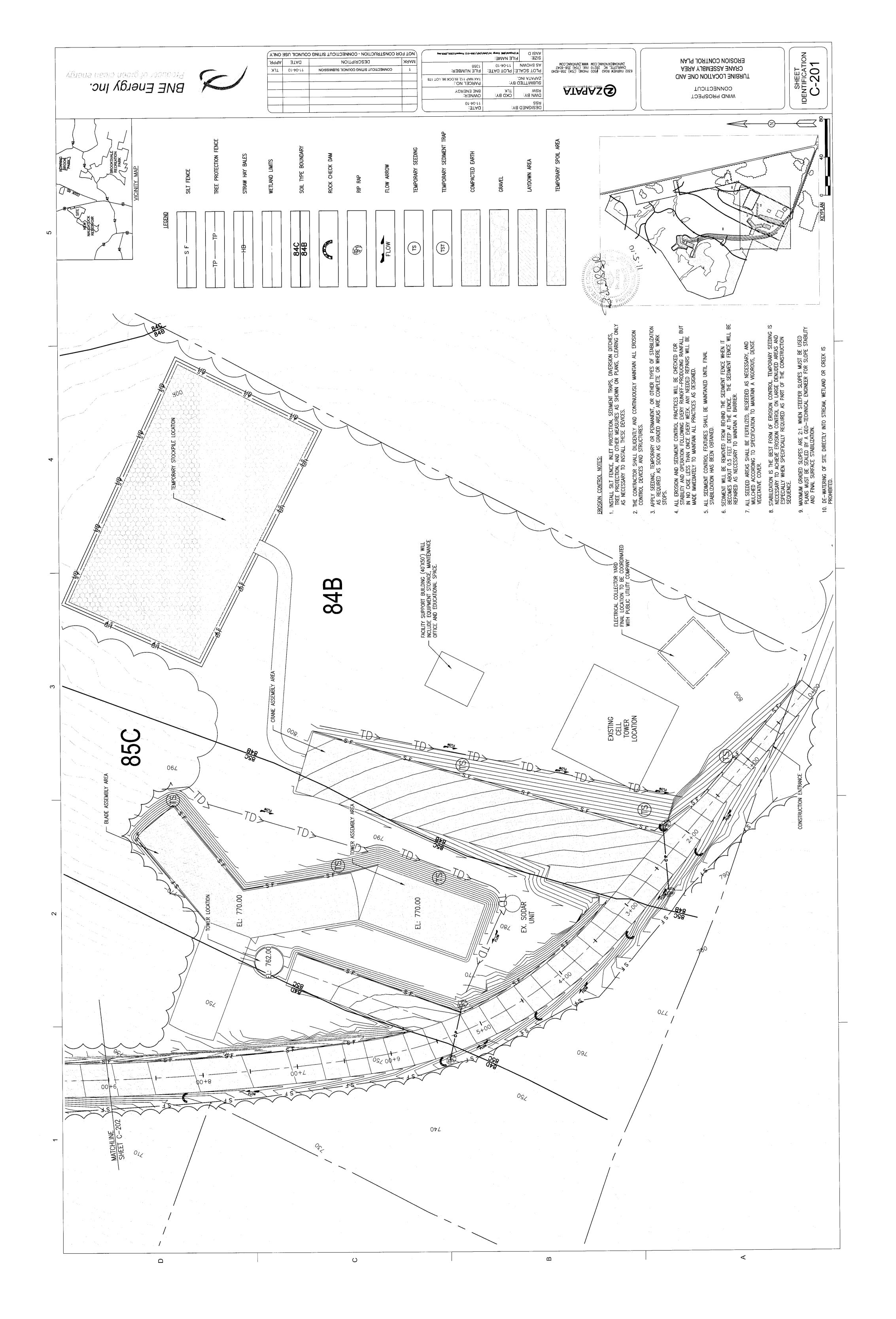


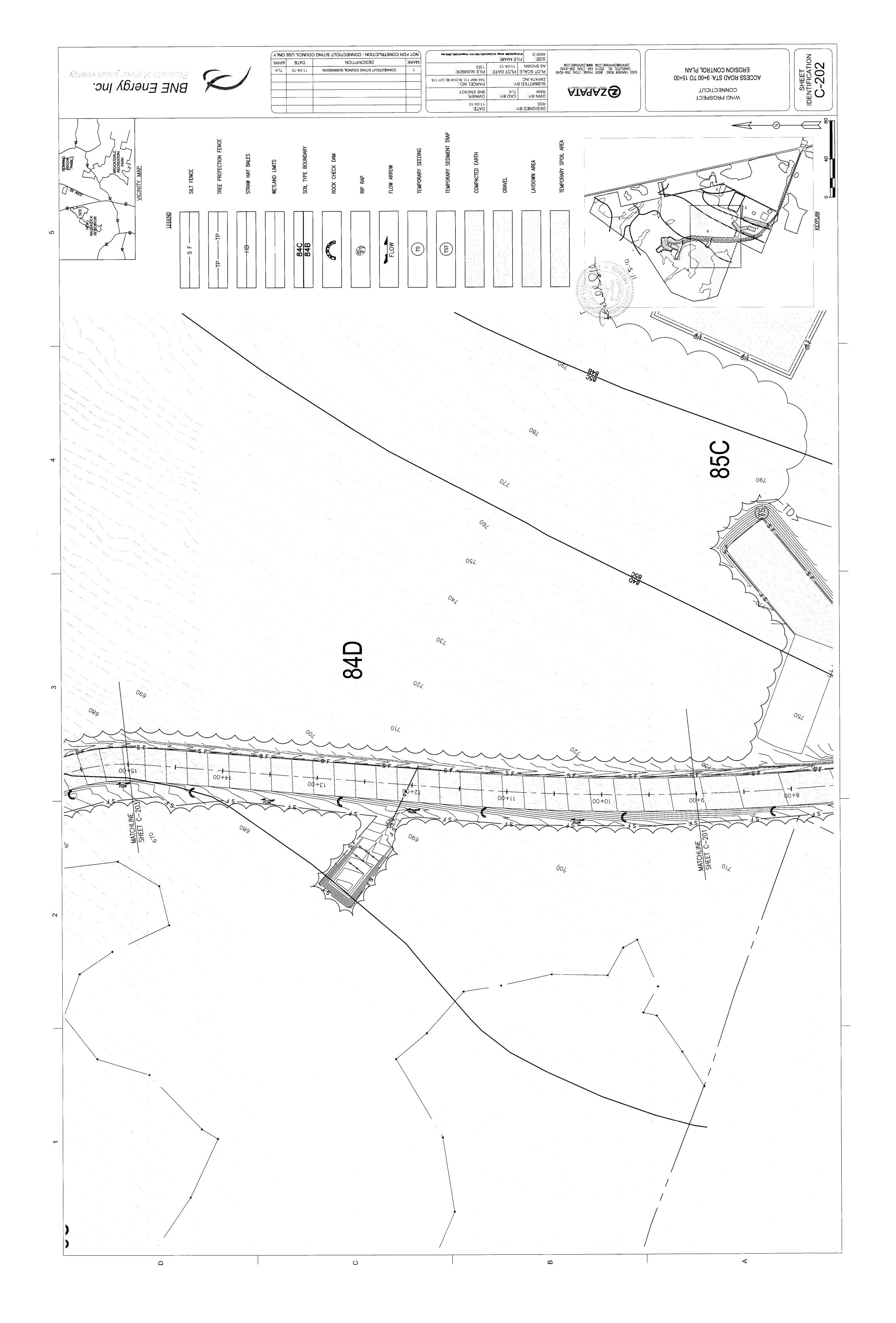
<i>ໄດ້ເອນອ ບຮອ_ເວ ບອຣະຣີ ເດັ</i> ງ	ianing Carl				SIZE: FILE NAME: AS SHOWN 11-04-10	6502 FAIRVIEW ROAD #600 PHONE: (704) 358~8240 CHARLOTTE, NC 28210 FAX: (704) 358-8342 MOD.ONIATAAS.WWW MOD.ONIATAAS®ATAAAZ	Е Е ВОЗІОИ СОИТВОГ Р ГАИ	CATION 00
ευθιάλ μυς.	BNB BNE			DATE: TX MAP 112, BLOCK 96, LOT 1 PARCEL NO.: TX MAP 112, BLOCK 96, LOT 1 TX MAP 112, BLOCK 96, LOT 1 DATE: TX MAP 112, BLOCK 96, LOT 1 DATE:	SAPATA INC. SUBMITTED BY: RSW DWN BY: CKD BY: DESIGNED BY:	ATAAAAS SAMAAA	СОИИЕСТІСИТ МІИД РROSPECT	IDENTIFICATION C-200
MICRATICK	Index Index <t< th=""><th>METLAND LIMITS</th><th>RP RP FLOW RDN RDN RDN RDN RDN RDN RDN RDN RDN RDN</th><th>TEMPORARY SEDIMENT TRAP</th><th>GRAFE</th><th>TEMPORARY SPOL ARA Map Unit Symbol State of Connecticut (TG0) Map Unit Symbol Arres in AOI Bab Ridgebury, Leisester, and Whilman solis, 3 to 15 percent A 29 Bab Paxton and Montauk fine sandy learns, 1 to 1 A 29 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Dercent slopes, very story Bolto <</th><th>AREA TO BE CLEARED: 217240 SQ. FT. / 4.99 ACRES AREA TO BE DISTURBED: 364168 SQ. FT. / 8.36 ACRES AREA WITHIN 100' WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES AREA WITHIN 100' WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES THIS PROJECT WILL HAVE NO TEMPORARY DIRECT WETLAND IMPACT APPROPRIATE MITGATION PROCEDURES AND REQUIRED PERMITS WILL BE OBTAINED PRIOR TO CONSTRUCTION.</th><th></th></t<>	METLAND LIMITS	RP RP FLOW RDN RDN RDN RDN RDN RDN RDN RDN RDN RDN	TEMPORARY SEDIMENT TRAP	GRAFE	TEMPORARY SPOL ARA Map Unit Symbol State of Connecticut (TG0) Map Unit Symbol Arres in AOI Bab Ridgebury, Leisester, and Whilman solis, 3 to 15 percent A 29 Bab Paxton and Montauk fine sandy learns, 1 to 1 A 29 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Bab Paxton and Montauk fine sandy learns, 8 to 15 A 20 Dercent slopes, very story Bolto <	AREA TO BE CLEARED: 217240 SQ. FT. / 4.99 ACRES AREA TO BE DISTURBED: 364168 SQ. FT. / 8.36 ACRES AREA WITHIN 100' WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES AREA WITHIN 100' WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES THIS PROJECT WILL HAVE NO TEMPORARY DIRECT WETLAND IMPACT APPROPRIATE MITGATION PROCEDURES AND REQUIRED PERMITS WILL BE OBTAINED PRIOR TO CONSTRUCTION.	
							Man and Ma Man and Man	

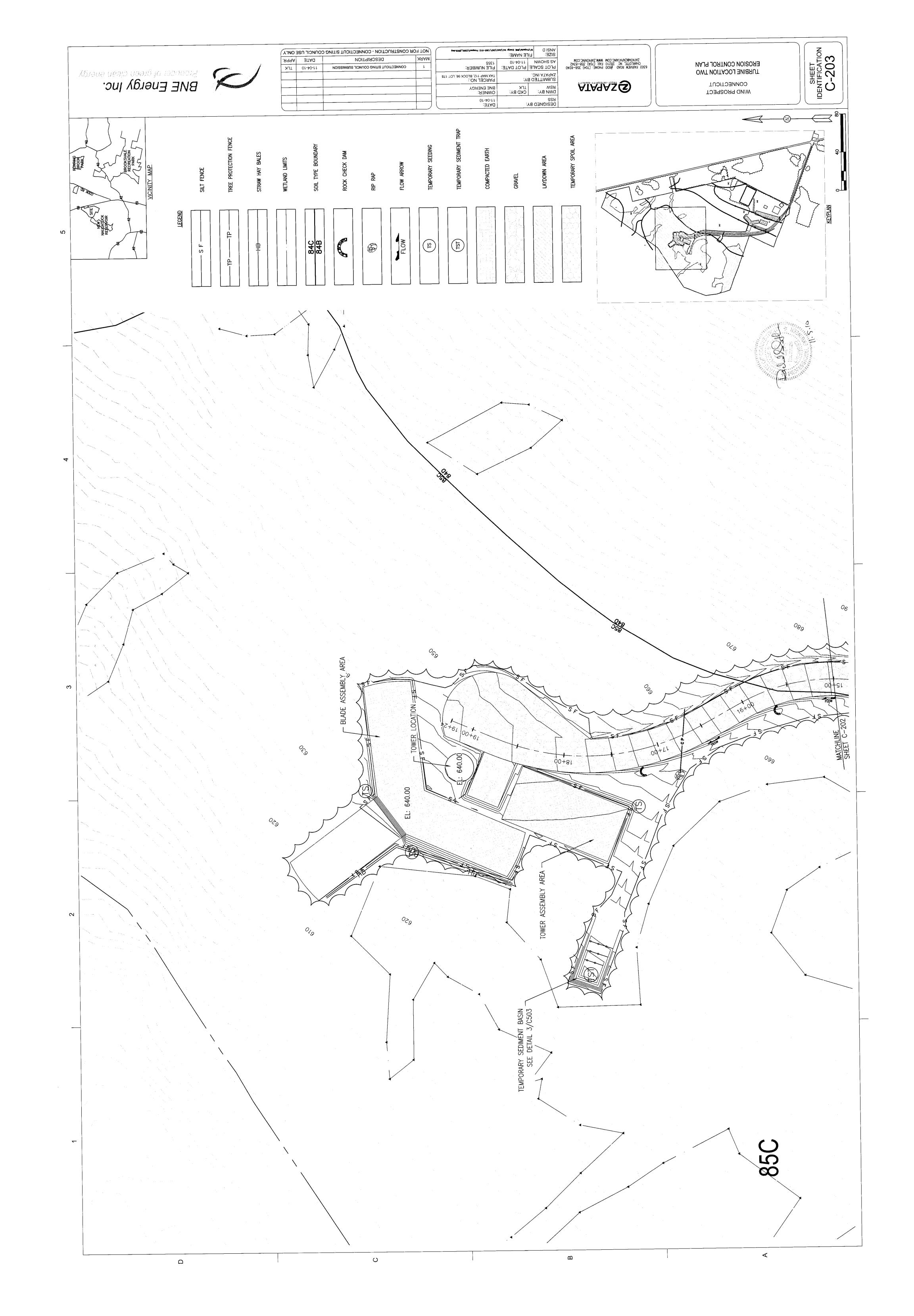


-

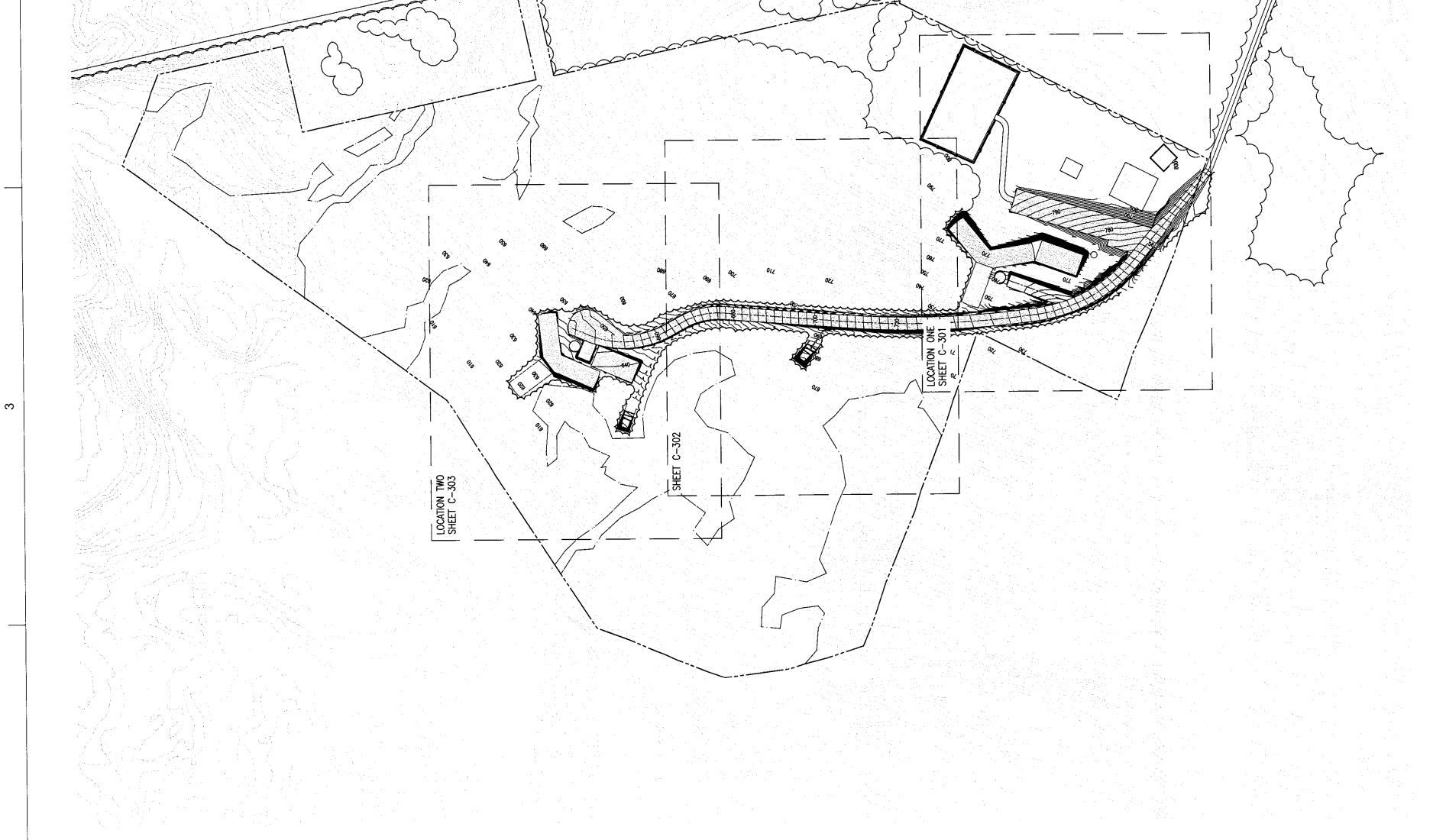
Construction Schedule: 1. Install silt fence, inlet protection, sediment traps, diversion ditches, tree protection, and other measures as shown on plans, clearing only as necessary to install these devices. 2. The contractor shall diligently and continuously maintain all erosion control devices and structures.	 3. APPLY SEEDING, TEMPORARY OR PERMANENT, OR OTHER TYPES OF STABILIZATION AS REQUIRED AS SOON AS GRADED AREAS ARE COMPLETE OR WHERE WORK STOPS. 4. COMPLETE FINE GRADING. 5. PREPARE ALL DISTURBED AREAS FOR SEEDING AND GROUND COVER. 6. APPLY PERMANENT SEEDING AND GROUND COVER. 7. AFTER SITE IS STABILIZED AND APPROVALS RECEIVED, ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AND THOSE DISTURBED AREAS SHALL BE SEEDED. 8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE. 	 all Erosion control Measures shall be constructed in accordance with the 2002 connecticut guidelines for Erosion and Sediment control. approval of this plan is not an Authorization to grade advacent properties. When Field conditions Warrant off-site grading, permission must be obtained. Maintenance plan: 	 ALL EKOSION AND SEDIMENI CONIRCU PRACILCES MILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS. ALL SEEDED AREAS SHALL BE FERTILIZED, RESERVENT IN THAT PORTION OF THE SITE WILL RESUME WITHIN A VIGOROUS, DENSE VEGETATIVE COVER. 	 TREE FROTECTION WOLES. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, CLEARING, GRADING, OR CONSTRUCTION, AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY URBAN FORESTRY STAFF. NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN TREE PROTECTION AREAS, EXCEPT AS SHOWN ON APPROVED PLANS. VIOLATIONS OF TREE PROTECTION REQUIREMENTS ARE SUBJECT TO FINES, AND/OR IMMEDIATE CORRECTIVE ACTION/MITIGATION. NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SPOIL AND LEAF LITTER UNDISTURBED. NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SPOIL AND LEAF LITTER UNDISTURBED. 	 BRUSH VINES, AND SMALL TREES (8" DIAMETER, OR AS SMALL AS 2" CALIPER) MAY BE HAND CLEARED ONLY AND CUT FLUSH WITH GROUND SURFACE. EXISTING TREES MAY BE LIMBED UP 6 FEET (LEAVING AT LEAST 2/3 OF THE BRANCHES TO IMPROVE VISIBILITY). EXPOSED TREE ROOTS MUST BE CLEANLY CUT WITH A SHARP PRUNING TOOL; BACKFILL AS SOON AS POSSIBLE TO MINIMIZE EXPOSURE TO THE AIR. TREE PROTECTION FENCE IS TO BE LOCATED 1 FOOT PER TREE DIAMETER INCH AWAY FROM THE TREE IN THE SETBACK. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARCE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE. 	 Maximum Graded Slopes are 2:1. When steeper slopes must be used plans must be sealed by a geo-technical engineer for slope stability and final surface stabilization. Je-Watering of Site Directly into stream, wetland or creek is prohibited. 	 GENERAL CONSTRUCTION NOTES. 1. ALL CONTOURS AND SPOT ELEVATIONS REFLECT FINISH GRADES. 2. CONTRACTOR SHALL BLEND SMOOTHLY NEW GRADING TO EXISTING GRADE. 3. CONTRACTOR SHALL BLEND SMOOTHLY NEW GRADING TO EXISTING GRADE. 3. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER OR ENGINEER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTIONS BEFORE PROCEEDING. 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES REPORTING THE APPROPRIATE AGENCY FOR FIELD LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE STARTING CONSTRUCTION.
	۵		U		۵		<



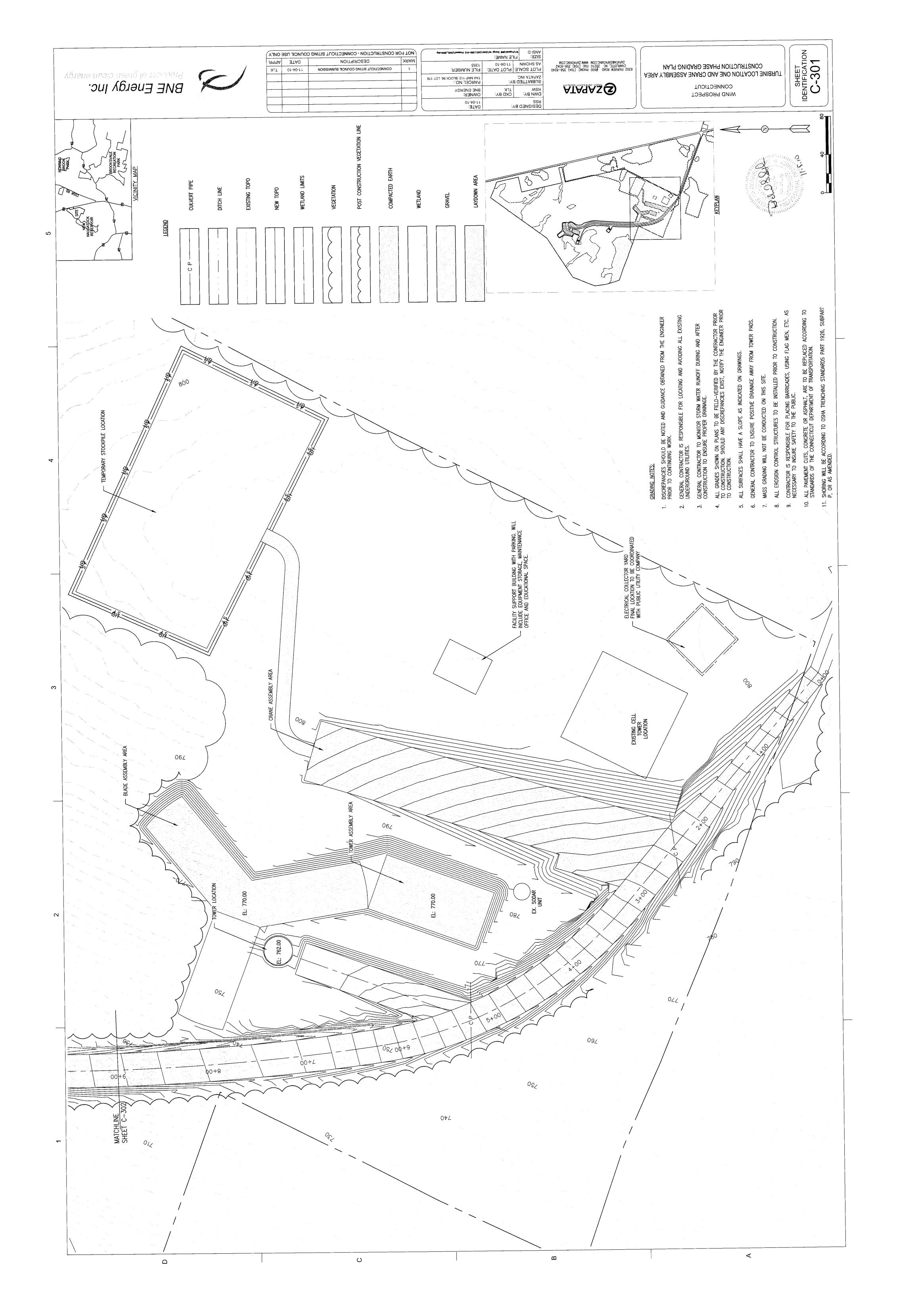


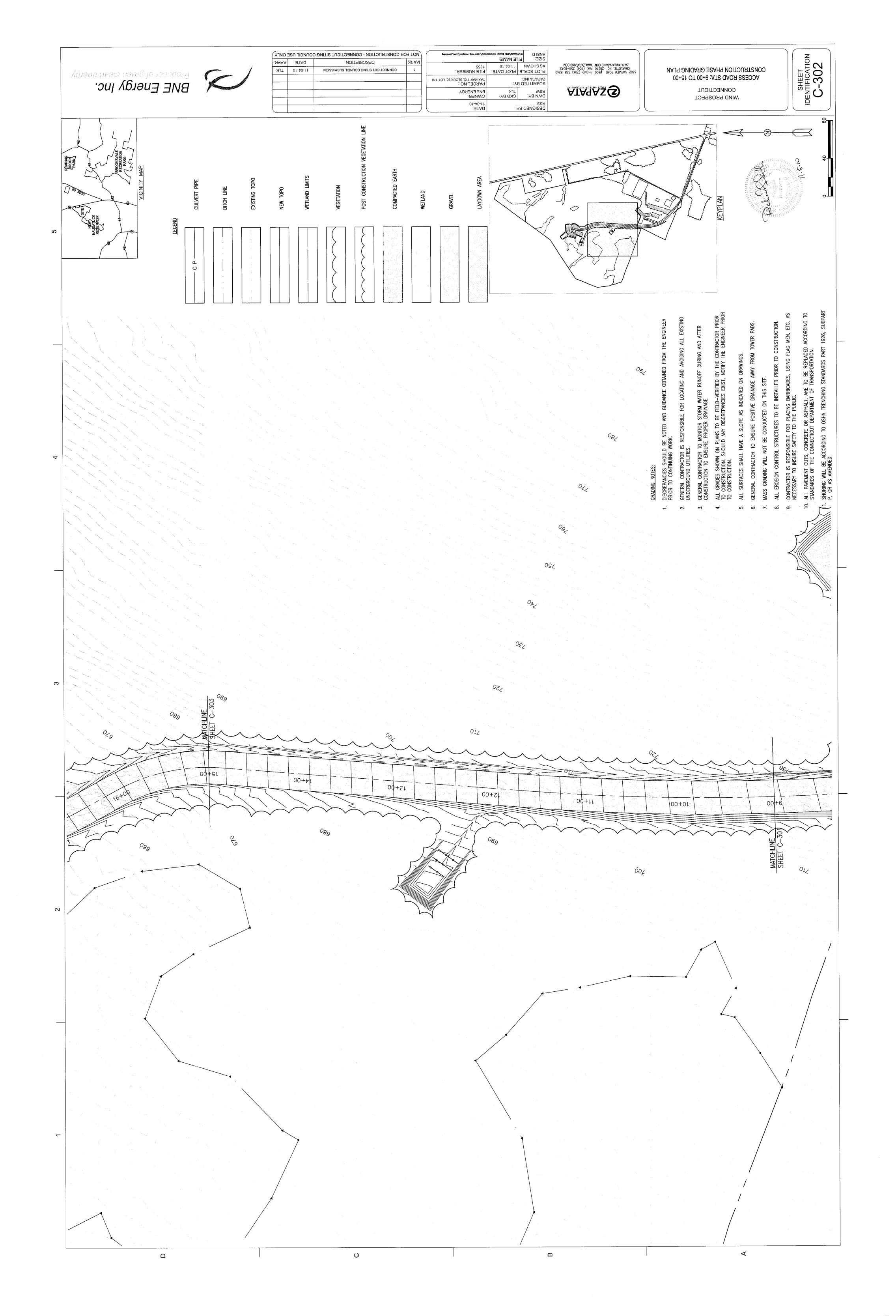


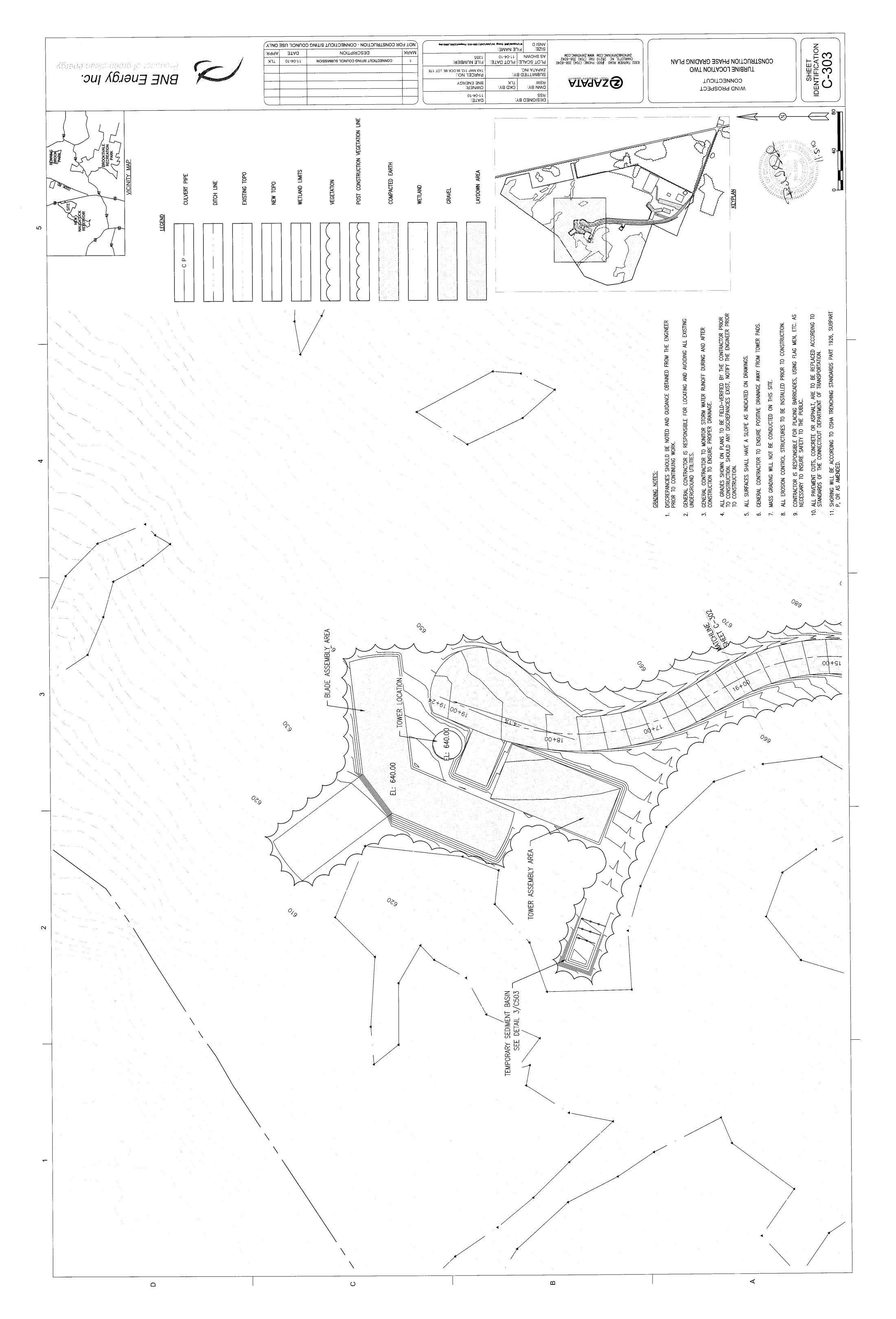
Propose of green clean energy Propose of green clean energy		DATE APPR.	NOT FOR CONSTRUCTION - CONNECT	DATE: 11-04-10 BNE ENERGY PARCEL NO.: 1355 1355 1355	SIZE: FILE NAME: RSW TLK SUBMITTED BY: SUBMITTED BY: AS SHOWN 11-04-10 TLK 2ZPPATA INC. AS SHOWN 11-04-10	EATAPASA Contraction of the second structure of the second structure of the second structure of the second structure (204) 358-8240 Second Sec	товяест соилестісит ИАЈЯ ЭИІДАЯЭ	SHEET IDENTIFICATION C-300
LEGEND CULVERT PIPE	DITCH LINE	NEW TOPO		METLAND GRAVEL	THIS PROJECT WILL HAVE NO TEMPORARY DIRECT WETLAND IMPACT. APPROPRIATE MITIGATION PROCEDURES AND REQUIRED PERMITS WILL BE OBTAINED PRIOR TO CONSTRUCTION.			

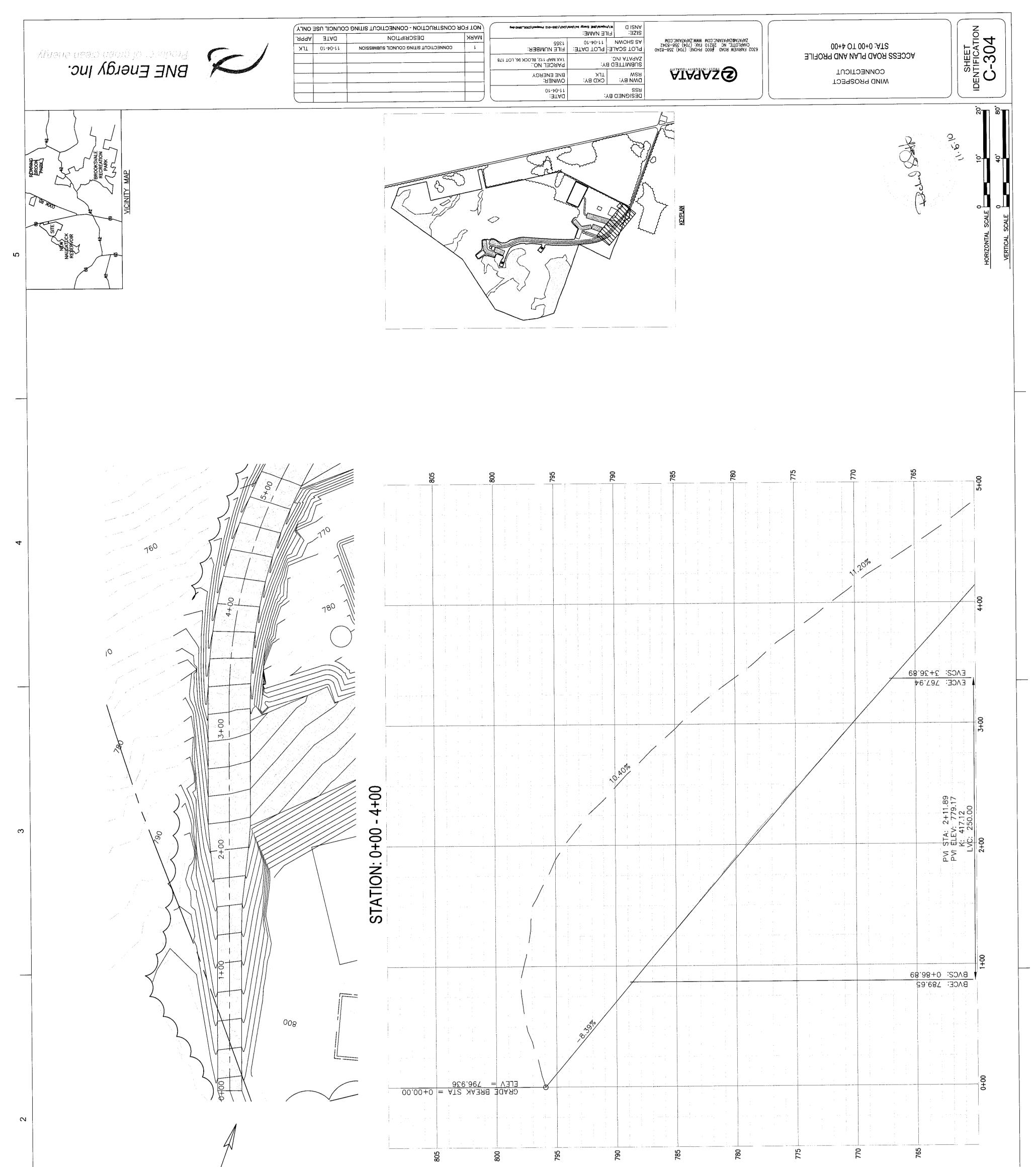


	 BARING NOTES. DISCREPANCIES SHOULD BE NOTED AND GUIDANCE OBTAINED FROM THE ENGINEER PRIOR TO CONTINUMS OWRK. BEGNERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVODING ALL EXISTING UNDERROUND UTLITIES. GENERAL CONTRACTOR TO MONITOR STORM WATER RUNOFF DURING AND AFTER CONSTRUCTION TO ENSURE PROPER DRAINAGE. ALL GRADES SHOWIND NILLID ANY DISCREPANCIES EXIST, NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION. SHOULD ANY DISCREPANCIES EXIST, NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION. SHOULD ANY DISCREPANCIES EXIST, NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION. SHOULD ANY DISCREPANCIES EXIST, NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION. ALL SURFACES SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS. ALL SURFACES SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS. ALL SURFACE SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS. ALL SURFACE SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS. ALL EROSION WILL NOT BE CONDUCTED ON THIS SITE. ALL EROSION CONTROL DRAWING BRARRADES, USING TO CONSTRUCTION. ALL EROSION CONTROL STRUCTURES TO BE INSTALLED PRIOR TO CONSTRUCTION. ALL EROSION CONTROL STRUCTURE ON ASPHALT, ARE TO BE REFLACED ACCORDING TO CONTRACTOR TO DISCREPARIATION. ALL PANEMBER CUTS, CONRETE ON DARRIRCADES, USING THAN DECESSARY TO INSURE SKEETY TO THE PUBLIC. ALL PANEMBER CUTS, CONRETE ON SCHPALIT, ARE TO BE REFLACED ACCORDING TO STANDARS S OF THE CONDUCIET OF OSAIL TRENCHING STANDARDIS PART 1926, SUBPART P, OR SAMENDED. 		
Δ	U	۵	



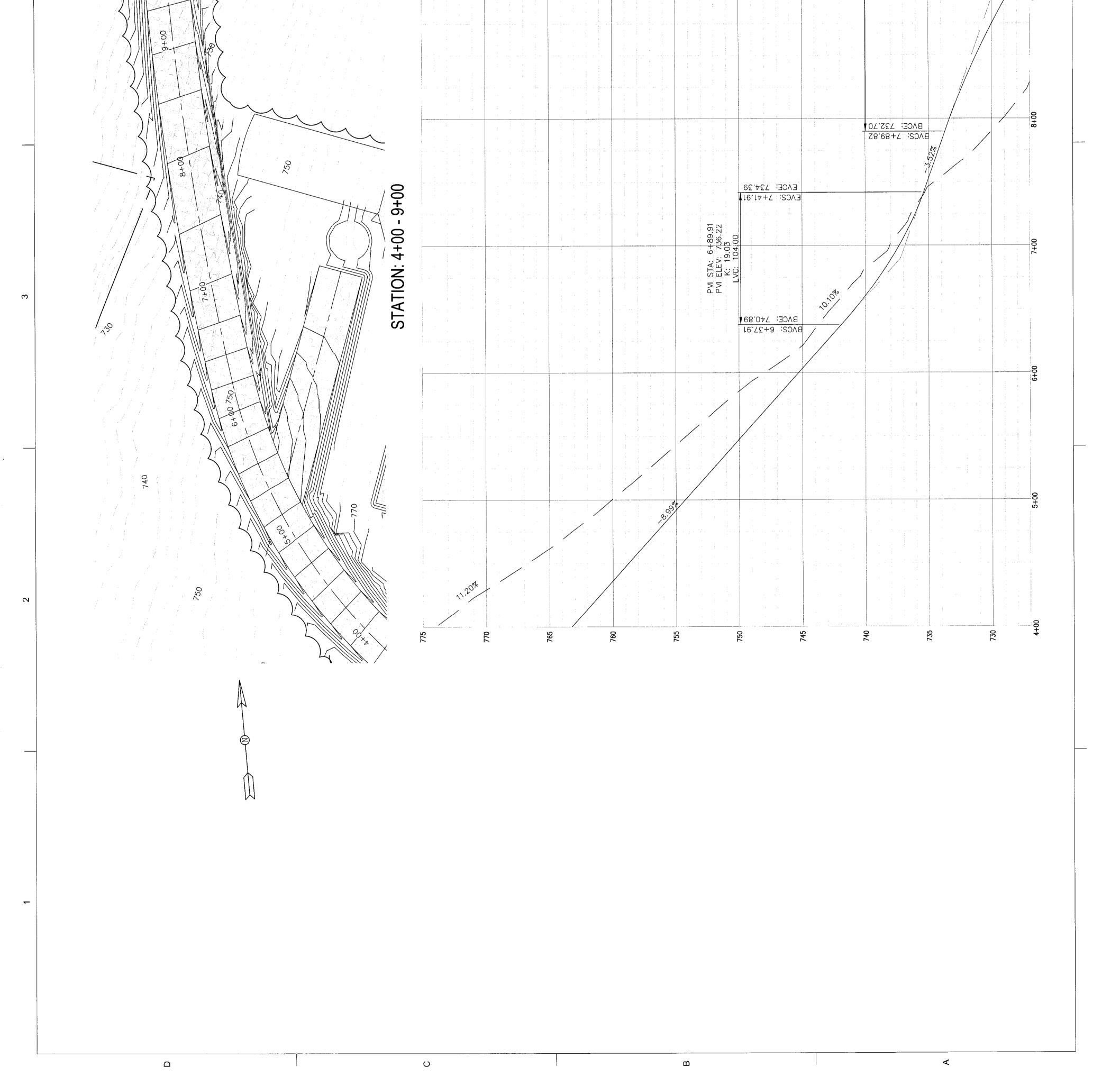


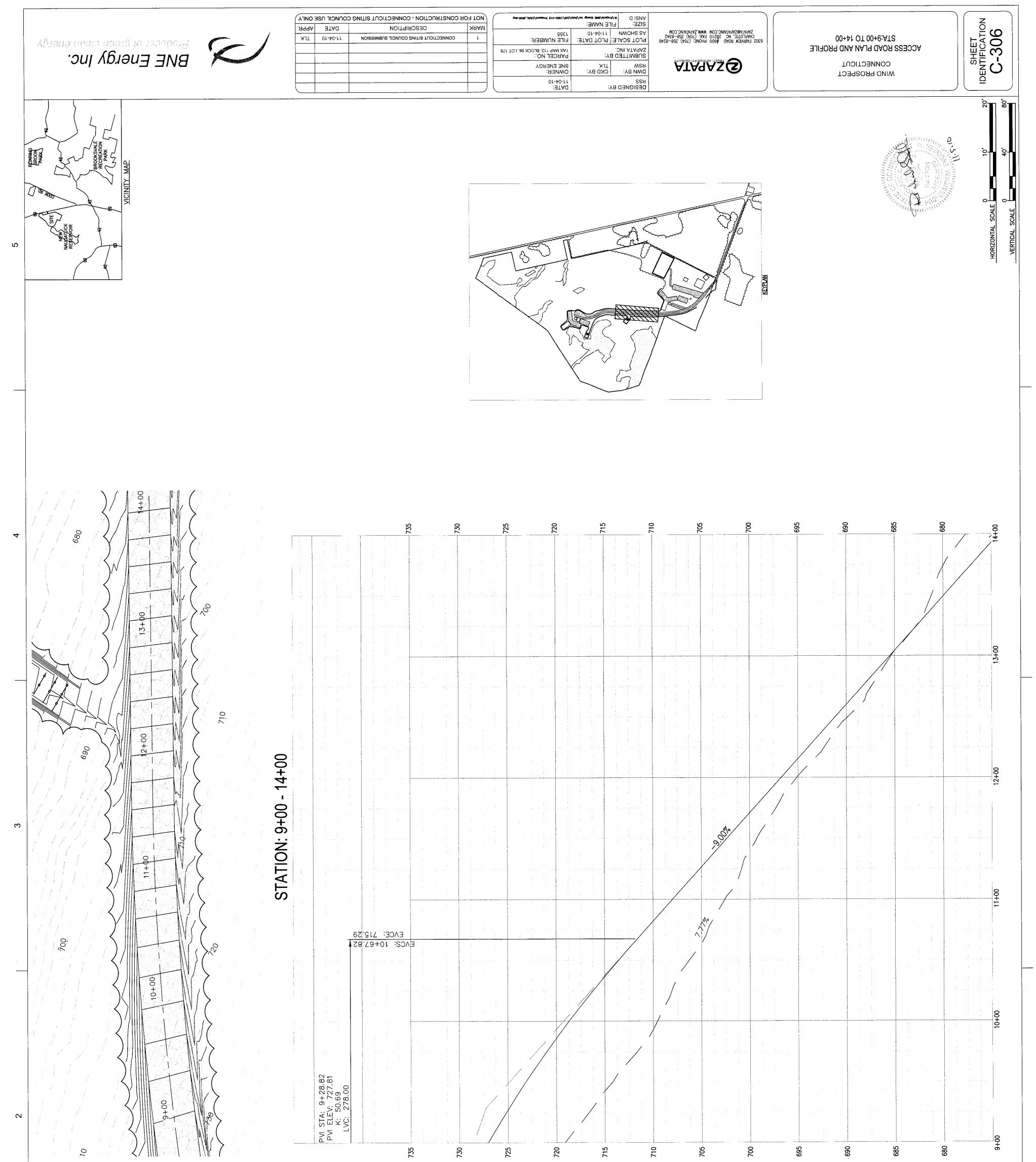




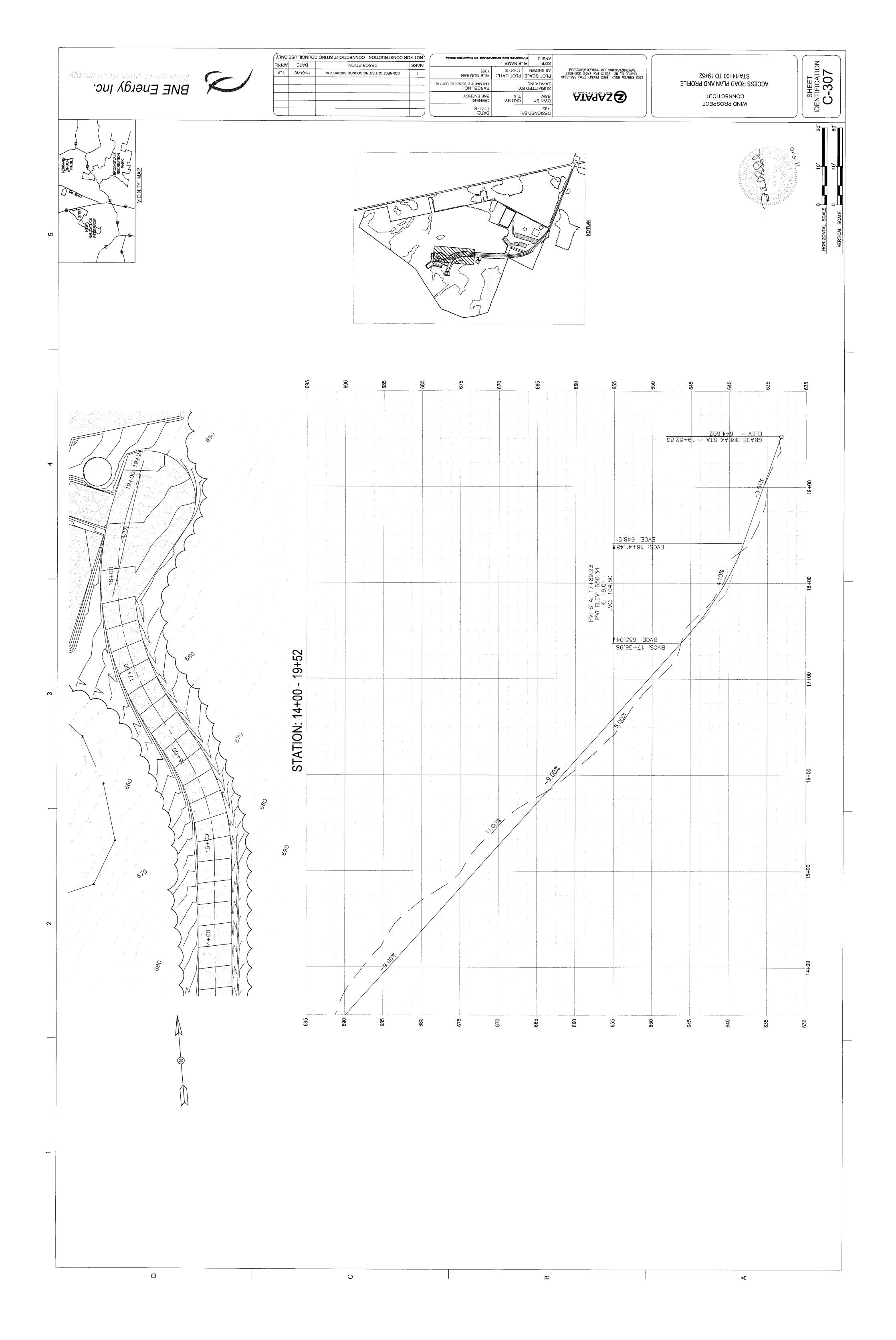
L	Ω		U	Δ	\triangleleft	
~						
		D				

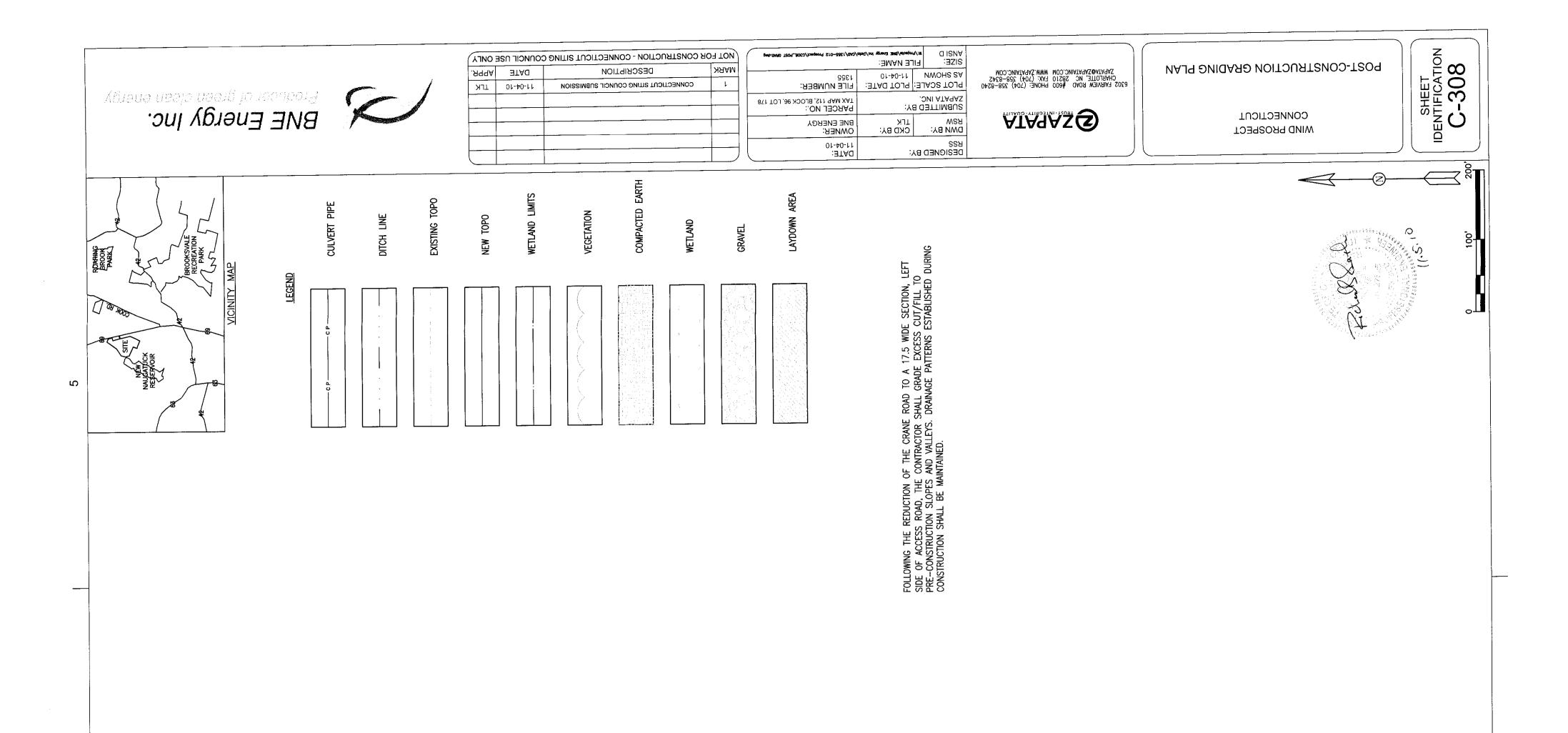
ABLE ENERGY CLEAN CLEAN AND AND AND AND AND AND AND AND AND A	CGCI UL-40-LL NWOHS SAI NOT MIATAAK WWW NOT MIATAAKA	DENTIFICATION BENTIFICATION C-305 G-
COLUMITY MAD		
7	755	PVI STA: 9+28. PVI STA: 9+28. PVI ELEV: 727. K: 50.69 LVC: 278.00 740 735 9+00





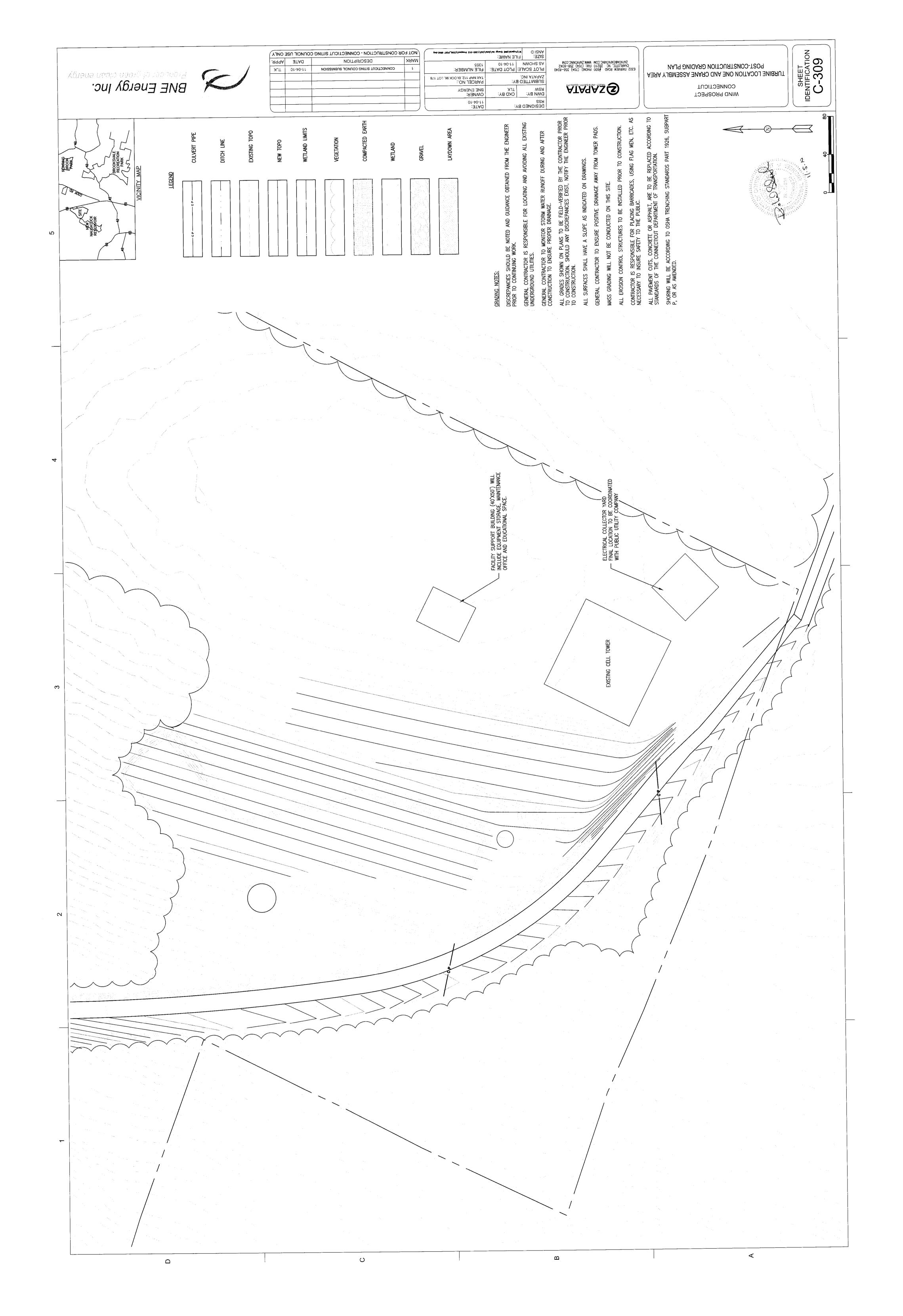
 ۲	

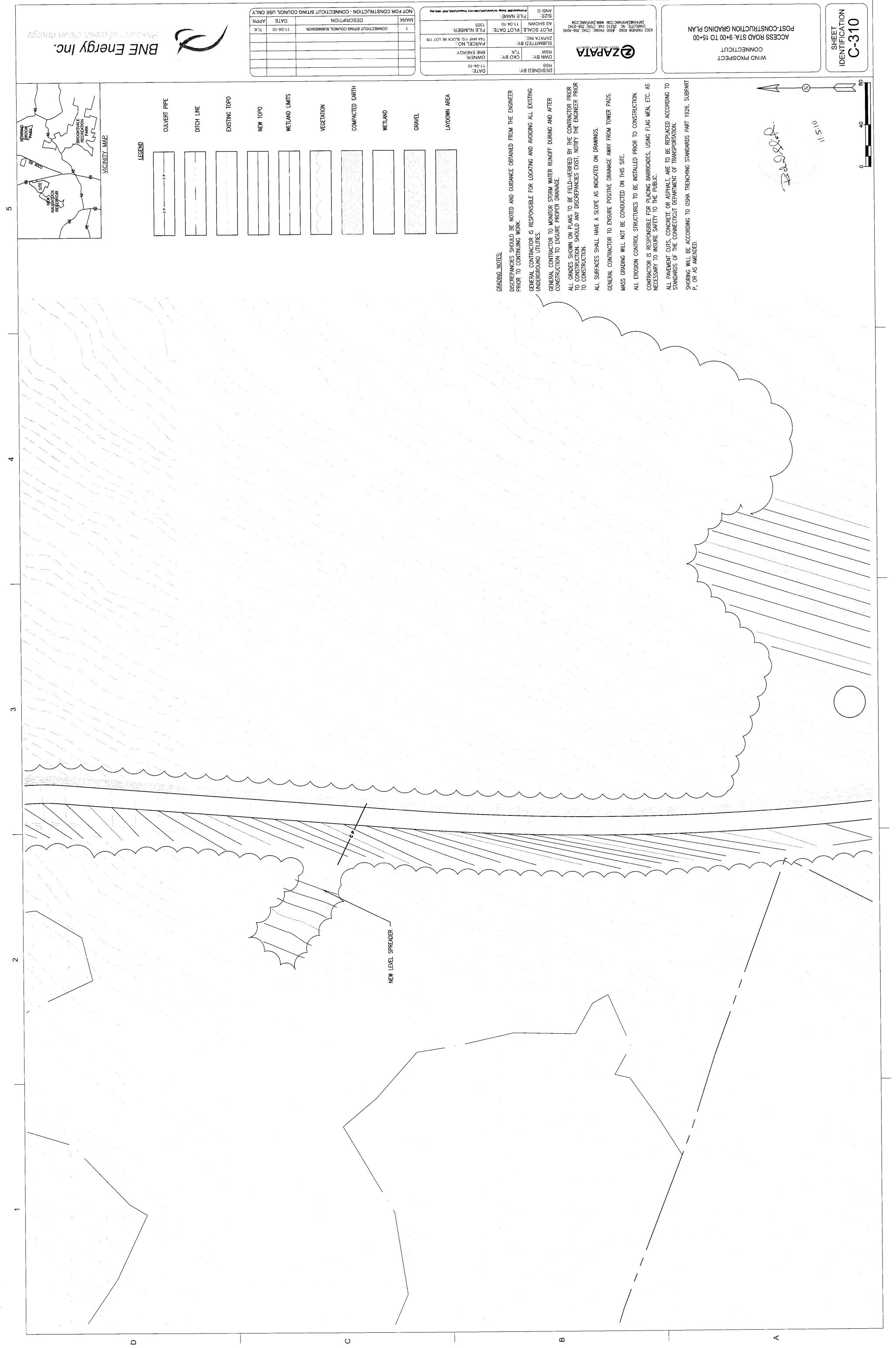




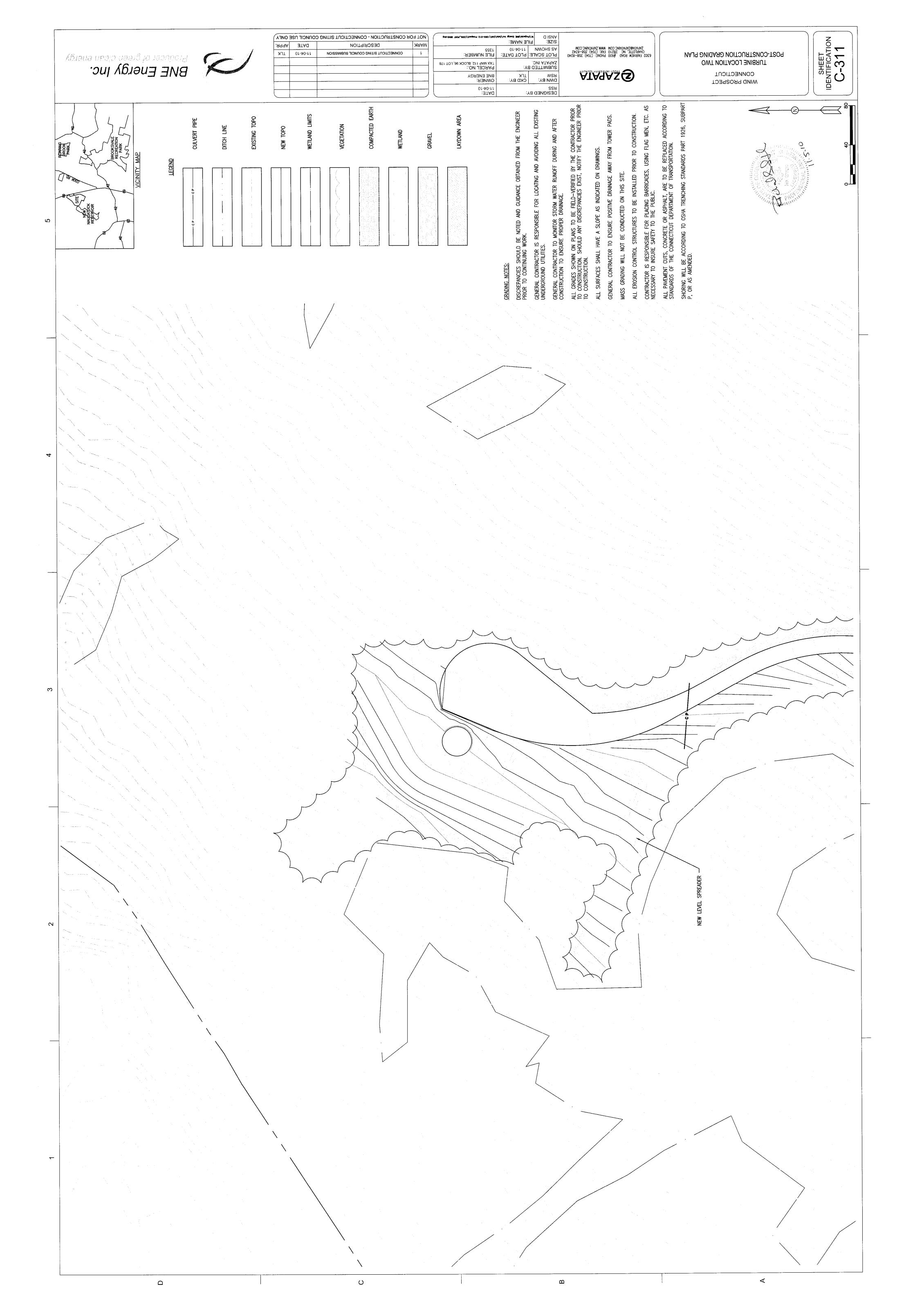
4



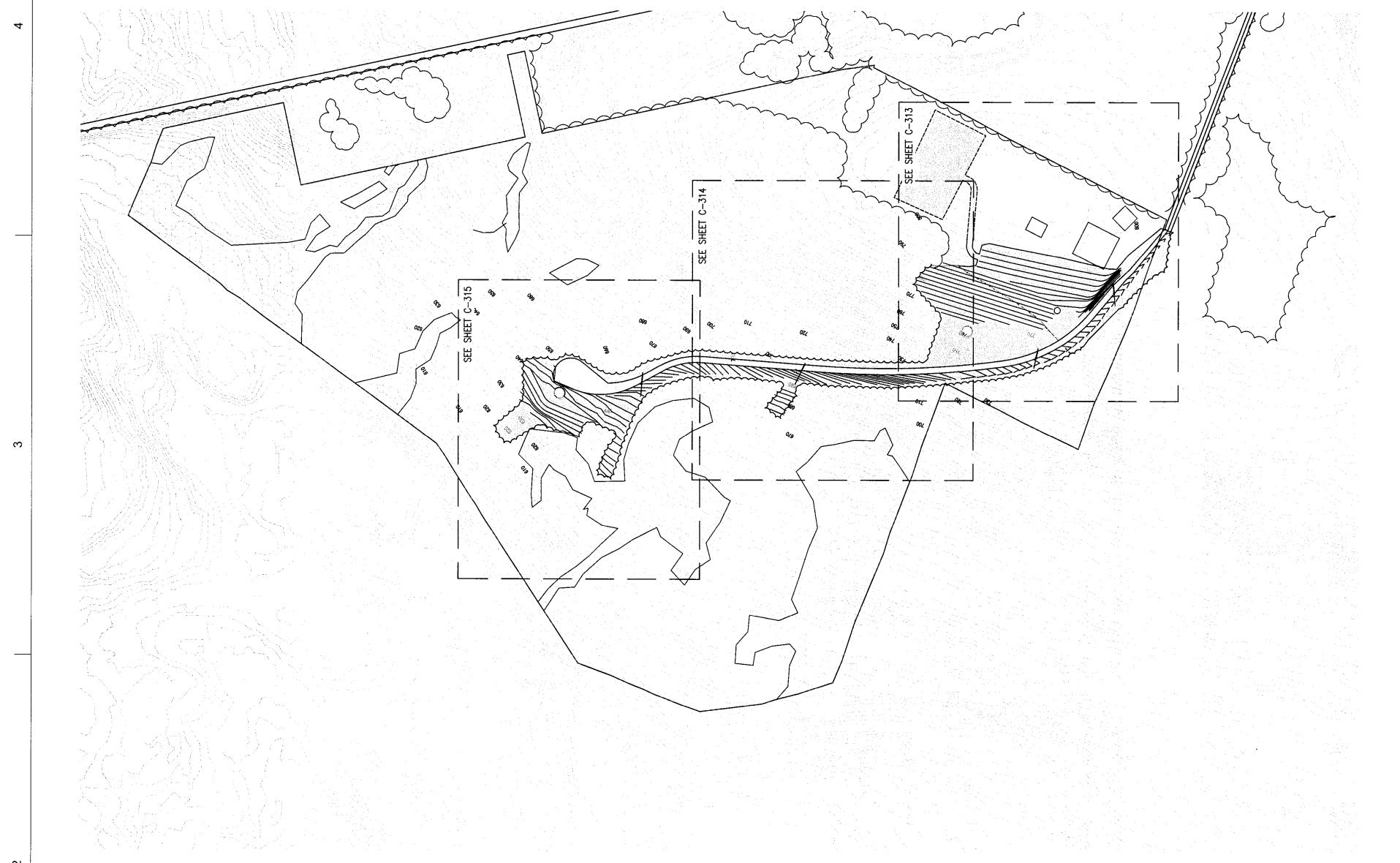




•



BNE Energy line.	DATE APPR.	DATE: 1-04-10 OWNER: PARCEL NO.: PARCEL	SIZE:FILE NAME:BSSSCALE:PLOT DATE:SUBMITTED BY:SUBMITTED BY:SUBMITTED BY:SUBMITTED BY:DWN BY:TLK	ATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	тоагояя омімо тиоітоанисо Wodaam onajou NAJ9 (NOITAAOTSAR ONA NOITAARO)	SHEET IDENTIFICATION C-312
Image: December of the second seco	Botanical Name Spacing Trees Size (minimum) Quantity Trees Acer rubrum Red Maple 4-6 feet 10 feet 3 Acer rubrum Red Maple 4-5 feet 10 feet 3 Aronia m elanocarpa Black Chokeberry 3-4 feet 5 feet 10 Lindera benzoin Common Spicebush 3-4 feet 5 feet 10 Viburuum dentatum Northern Arrowwood 3-4 feet 5 feet 10	TO BE ST, THE GRADED GRADED GRADED GRADED COMBINI COMBINI COMBINI COMBINI COMBINI	5. THE EROSION CONTROL BARRIERS SHALL BE DISASSEMBLED FOLLOWING SUCCESSFUL STABILIZATION OF THIS AREA. SEDIMENT COLLECTED BY THESE DEVICES WILL BE REMOVED AND DISPOSED OF IN A MANNER THAT PREVENTS EROSION AND TRANSPORT TO A WATERWAY OR WETLAND. UPLAND MEADOW CREATION AREA PLANTING SCHEDULE UPLAND MEADOW CREATION AREA WILL BE PLANTED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX (OR EQUIVALENT) AT 1750 SQ.FT./LB. OR AS RECOMMENDED BY MANUFACTURER. SEED MIX TO BE PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC. (413–548–8000), OR APPROVED SUPPLIER.	upland meadow restoration area planting schedule Upland meadow restoration area will be planted with new england conservation/wildlife Mix (or equivalent) at 1750 Sq.Ft./lb. or as recommended by manufacturer. Seed Mix to be provided by new england wetland plants, inc. (413–548–8000), or approved supplier.		O'S Williams



۵	U	۵	<

<u> Añigu</u> e	ο υφοίο υσουό μου : Ομ (βλουΞ	ысолосы ВИЕ I	R			DN - CONNECTICUT SITING (ESCRIPTION SITING COUNCIL SUBMISSION	יצא סו		PARCEL NO.: TAX MAP 112, BLOCK 1355 1355	RSS RSS RSS RSS RSW RSW RSW SUBMITTED BY: SUBMITTED BY: SUBMITTED BY: SUBMITTED BY: SUBMITTED BY: ALACT SCALE: PLOT SCALE: PLOT DA SIZE: SUZE: SUZE: PLOT SCALE: PLOT DA SUBMITTED BY: SUZE: SUZ	ATAGASTINI TERMINATION OF THE STATE OF THE S	TOBRESTICUT TUDITOBNA ONE AND CRANE ASSEMBLY AREA UPLAND MEADOW WODABM ONE AND CRANE ASSEMBLY AREA WODABM ONE AND RESTORATION) PLAN (CREATION AND RESTORATION) PLAN	DENTIR
22	RESERVOIR BROOKSWIE PARK	LEGEND UPLAND MEADOW CREATION AREA	UPLAND MEADOW RESTORATION AREA	Botanical Name Common Name Size (minimum) Quantity	Trees Acer rubrum Red Maple 4-6 feet 10 feet 3 Shrubs Aronia m elanocarpa Black Chokeberry 3-4 feet 5 feet 10 Lindera benzoin Common Spicebush 3-4 feet 5 feet 10 Viburnum dentatum Northern Arrowwood 3-4 feet 5 feet 10	UPLAND MEADOW (CREATION & RESTORATION) AREA CONSTRUCTION SEQUENCE AND PLANTING SCHEDULES	 PRIOR TO ALL WORK, EROSION CONTROL BARRIERS ARE TO BE INSTALLED AS DETAILED ON THE EROSION CONTROL PLAN. WHERE ADEQUATE TOPSOIL (±6 INCHES) DOES NOT EXIST, THE UPLAND MEADOW CREATION AND RESTORATION AREAS SHALL THEN BE BACKFILLED TO A MINIMUM DEPTH OF 6 INCHES WITH CLEAN TOPSOIL. ONCE FINAL TOPSOIL IS IN PLACE, IT SHALL BE GRADED TO ACHIEVE A RELATIVELY SMOOTH CLIDEACE 	3. Once the above listed tasks have been completed, these areas will be planted with New England Conservation/Wildlife Grass seed Mix After the Grading is completed. The Seed Mix Will be Applied to the Enhancement Area at a rate of 1 LB/1,750 square feet. Soil conditioning activities, including raking, will be combined with the seed Application	4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CAREFUL INSTALLATION, MAINTENANCE 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CAREFUL INSTALLATION, MAINTENANCE (INCLUDING WATERING), AND ESTABLISHMENT OF NATIVE PLANT MATERIAL IN THESE AREAS. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR TO REMAIN ALIVE AND HEALTHY FOR A FULL TWENTY FOUR (24) MONTH PERIOD. 5. THE EROSION CONTROL BARRIERS SHALL BE DISASSEMBLED FOLLOWING SUCCESSFUL STABILIZATION 5. THE EROSION CONTROL BARRIERS SHALL BE DISASSEMBLED FOLLOWING SUCCESSFUL STABILIZATION 5. THE EROSION CONTROL BARRIERS SHALL BE DISASSEMBLED FOLLOWING SUCCESSFUL STABILIZATION	. BE REMOVEL RWAY OR WET ENGLAND COI BY MANUFACTU -8000), OR /	UPLAND MEADOW RESTORATION AREA PLANTING SCHEDULE UPLAND MEADOW RESTORATION AREA WILL BE PLANTED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX (OR EQUIVALENT) AT 1750 SQ.FT./LB. OR AS RECOMMENDED BY MANUFACTURER. SEED MIX TO BE PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC. (413–548–8000), OR APPROVED SUPPLIER.		



BNE Energy Inc.	K			РЕЗІGИЕD ВҮ: DATE: RSS 11-04-10 DWN BY: CKD BY: RSW TLK BNE ENERGY SUBMITTED BY: RSW RSW RSW RSW RSW RSW RUB BY: PLOT SCALE:	Соиместісит Соиместісит В И Соиместісит Соиместісит В И Соиместісит С С С С С С С С С С С С С
Provide the second seco	UPLAND MEADOW RESTORATION AREA	Botanical Name Spacing Trees Common Name Size Trees (minimum) Quantity Tees Acer rubrum Red Maple 4-6 feet 10 feet 3 Acer rubrum Red Maple 4-6 feet 10 feet 3 Aronia m elanocarpa Black Chokeberry 3-4 feet 5 feet 10 Lindera benzoin Common Spicebush 3-4 feet 5 feet 10 Viburuum dentatum Northern Arrowwood 3-4 feet 5 feet 10	UPLAND. MEADOW (CREATION & RESTORATION) AREA CONSTRUCTION SEQUENCE AND PLANTING SCHEDULES. 1. PRIOR TO ALL WORK, EROSION CONTROL BARRIERS ARE TO BE INSTALLED AS DETAILED ON THE EROSION CONTROL PLAN. 2. WHERE ADEQUATE TOPSOIL (4.6 INCHES) DOES NOT EXIST, THE UPLAND MEADOW CREATION AND RESTORATION AREAS SHALL THEN BE BACKFILLED TO A MINIMUM DEPTH OF 6 INCHES WITH CLEAN TOPSOIL. ONCE FINAL TOPSOIL IS IN PLACE, IT SHALL BE GRADED TO ACHIEVE A RELATIVELY SMOOTH SURFACE. 3. ONCE THE ABOVE LISTED TASKS HAVE BEEN COMPLETED, THESE AREAS WILL BE PLANTED WITH NEW ENGLAND CONSERVATION/MILDLIFE GRASS SEED MIX AFTER THE GRADING IS COMPLETED. THE SEED MIX WILL BE APPLIED TO THE ENHANCEMENT AREA AT A RATE OF 1 LIB/1,750 SQUARE FEET. SOIL CONDITIONING ACTIVITIES, INCLUDING RAKING, WILL BE COMBINED WITH THE SEED APPLICATION RECESS.	 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CAREFUL INSTALLATION, MANTENANCE (INCLUDING WATERING), AND ESTABLISHMENT OF NATIVE PLANT MATERIAL IN THESE AREAS. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR TO REMAIN ALIVE AND HEALTHY FOR A FULL TWENTY FOUR (24) MONTH PERIOD. THE EROSION CONTROL BARRIERS SHALL BE DISASSEMBLED FOLLOWING SUCCESSFUL STABILIZATION OF THIS AREA. SEDIMENT COLLECTED BY THESE DEVICES WILL BE REMOVED AND DISPOSED OF IN A MANNER THAT PREVENTS EROSION AND TRANSPORT TO A WATERWAY OR WETLAND. UPLAND MEADOW CREATION AREA PLANTING SCHEDULE UPLAND MEADOW CREATION AREA PLANTING SCHEDULE UPLAND MEADOW CREATION AREA PLANTING SCHEDULE UPLAND MEADOW CREATION AREA WILL BE PLANTED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX (OR EQUIVALENT) AT 1750 SQ:FT./LB. OR AS RECOMMENDED BY MANUFACTURER. SEED MIX TO BE PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC. (413–548–8000), OR APPROVED SUPPLIER. 	



ποος οι διασυ σίσαο στοιάλ Ε Ευθιάλ Ιυς.	INA S	DATE APPR.	NOT FOR CONSTRUCTION - CONNECTICUT SIT	TTED BY: PARCEL NO.: XINC. TAX MAP 112, BLOCK 96, LOT 1 XINC. TAX MAP 112, BLOCK 96, LOT 1		TOB980A9 UNIW TUDITOENTOD WORAND THAN TO UPLAND MEADOW WAJA (NOITAAOTSEA UNA NOITAEAD)	SHEET IDENTIFICATION C-315
TEEND	UPLAND MEADOW CREATION AREA UPLAND MEADOW RESTORATION AREA	Botanicol Name Common Name Size (minimum) Quantity Trees (minimum) Quantity Trees Acer rubrum Red Maple 4-6 feet 10 feet 3 Shrubs Aronia m elanocarpa Black Chokeberry 3-4 feet 5 feet 10 Lindera benzoin Common Spicebush 3-4 feet 5 feet 10 Viburnum dentatum Northern Arrowwood 3-4 feet 5 feet 10	UPLAND MEADOW (CREATION & RESTORATION) AREA CONSTRUCTION SEQUENCE AND PLANTING SCHEDULES 1. PRIOR TO ALL WORK, EROSION CONTROL BARRIERS ARE TO BE INSTALLED AS DETALED ON THE EROSION CONTROL PLAN. 2. WHERE ADEQUATE TOPSOIL (4.6 INCHES) DOES NOT EXIST, THE UPLAND MEADOW CREATION AND RESTORATION AREAS SHALL THEN BE BACKFILLED TO A MINIMUM DEPTH OF 6 INCHES WITH CLEAN TOPSOIL. ONCE FINAL TOPSOIL IS IN PLACE, IT SHALL BE GRADED TO ACHIEVE A RELATIVELY SMOOTH SURFACE. 3. ONCE THE ABOVE LISTED TASKS HAVE BEEN COMPLETED, THESE AREAS WILL BE PLANTED WITH DEPOLATION CONSERVATION/MILDLIFE GRASS SEED MIX AFTER THE GRADING IS COMPLETED. THE	MITH THE SEED APPLICATION LATION, MAINTENANCE - IN THESE AREAS. ALL AND HEALTHY FOR A FUL AND SUCCESSFUL STABILIZA AOVED AND DISPOSED OF WETLAND.	UPLAND MEADOW CKEATION AREA WILL BE PLANTED WITH NEW ENGLAND CONSERVATION MILLIDE MIX (OR EQUIVALENT) AT 1750 SQ.FT./LB. OR AS RECOMMENDED BY MANUFACTURER. SEED MIX TO BE PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC. (413–548–8000), OR APPROVED SUPPLIER. UPLAND MEADOW RESTORATION AREA PLANTING SCHEDULE UPLAND MEADOW RESTORATION AREA WILL BE PLANTED WITH NEW ENGLAND CONSERVATION/MILDLIFE MIX (OR EQUIVALENT) AT 1750 SQ.FT./LB. OR AS RECOMMENDED BY MANUFACTURER. SEED MIX TO BE PROVIDED BY NEW ENCLAND WETLAND PLANTS, INC. (413–548–8000), OR APPROVED SUPPLIER.		



οτσεια ομέσια από τα ου Ο μαίος	BNE EN	DATE APPR.		SIGNED BY: DATE: SS MA BY: COT SCALE: PRITTED BY: DATE: PRIE ENERGY MA BY: DATE: PRIE ENERGY PRIE	RS DV RS RS RS RS	6302 FAIRVIEW ROAD #600 CHARIOTTE, NC 28210 CHARIOTTE, NC 28210 SPETABACATARCOM	EROSION CONTROL NOTES CONNECTICUT WIND PROSPECT	SHEET IDENTIFICATION C-500
2	THIS TIME PERIOD AS WELL. 11. NO PERMANENT CUT OR FILL SLOPE WITH A GRADIENT GREATER THAN 3:1 WILL BE PERMITTED IN LAWIN MAINTENANCE AREAS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON-MAINTENANCE AREAS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON-MAINTENANCE AREAS. A SLOPE GRADIENT FLAT THOSE ARE MIDLER ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENTS GREATER THAT 2:1 WILL NOT BE PERMITTED WITH A LOW MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. 12. FOR FINISHED GRADING THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS 12. FOR FINISHED GRADING FOR MORE THAN 24 HOURS AFTER THE END OF A RAINFALL EVONT DRAINGE COURSES AND SWLES MAY TAKE UP TO 48 HOURS A RAINFALL EVONT DRAINAGE COURSES AND SWLES MAY TAKE UP TO 48 HOURS AFTER THE LENO F A RAINFALL EVENT TO DRAIN. AREAS DESIGNED TO HAVE STADIONG WATER SHALL NOT BE REQUIRED TO MEET THE END OF ATTER THE LENO F A RAINFALL FOURT TO DRAIN. AREAS DESIGNED TO HAVE STADIONG WATER SHALL NOT BE REQUIRED TO MEET THE RON OF ATTER THAT LENO F REQUIRED TO MEET THIS REQUIREMENT. 13. SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20 FEET OF A FOUNDATION THAT FXISTS OR IS UNDER CONSTRUCTION. NO STRUCTURES SHALL BE	 THE SEDIMENT AND EROSION CONTROL INSPECTOR HAS THE OPTION OF THE SEDIMENT AND EROSION CONTROL INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES IF DEEMED ALL TRAP DEPTHS DIMENSIONS ARE RELATIVE TO THE OUTLET ELEVATION. ALL TRAPS MUST HAVE A STABLE OUTFALL. ALL TRAPS AND BASINS MUST HAVE STABLE ALL TRAP DOINTS. UNFLOW POINTS. VEGETATIVE STABILE OUTFALL. ALL TRAPS AND BASINS MUST HAVE STABLE VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL. REFER TO STANDARDS AND SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, 	 17. SEDIMENT SHALL BE REMOVED AND THE TRAP OR BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE QUARTER OF THE TOTAL DEPTH OF THE TRAP OF BASIN. TOTAL DEPTH SHALL BE MEASURED FROM THE BOITTOM TO THE CREST OF THE OUTLET. 18. SEDIMENT REMOVED FROM THE TRAPS SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND, OR TREE SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE MUST BE DIRECTED TO A SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FORM THE SITE. A SUMP PIT MAY BE UTILIZED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT. ALL WATER REMOVED FROM EXCAVATED AREAS SHALL BE PASSED THROUGH AN APPROVED DEWATERING PRACTICE OR PUMPED TO A SUMP PIT MAY BE DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO 	 WHERE DEEMED NECESSARY BY THE ENGINEER OR INSPECTOR, SEDIMENT TRAPS AND BASINS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. ALL WASTE AND BORROW AREAS OFF-SITE MUST BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED. SITES WHERE INFLITRATION DEVICES ARE USED FOR THE CONTROL OF STORM WATER, EXTREME CARE MUST BE TAKEN TO PREVENT RUNOFF FROM UN-STABILIZED BATER, EXTREME CARE MUST BE TAKEN TO PREVENT RUNOFF FROM UN-STABILIZED REAS FROM ENTERNIG THE STRUCTURE DURING CONSTRUCTION. SEDIMENT CONTROL REAS FROM ENTERNIG THE STRUCTURE DURING CONSTRUCTION. SEDIMENT DEVICES PLACED IN INFLITRATION DEVICE, ALL RECHIBILER THAN THE FINSHED READONM ELEVATION OF THE INFILIRATION PRECISCE MHEN CONVERTING A SEDIMENT TRAP TO AN INFILIRATION DEVICE, ALL ACCMULATED SEDIMENT TRAP TO AN INFILIRATION SITE INFORMATION. 	TOTAL AREA: 67.50 ACRES TOTAL AREA OF PROJECT SITE: 67.50 ACRES AREA TO BE DISTURBED: 364168 SQ. FT. / 8.36 ACRES AREA TO BE CLEARED: 217240 SQ. FT. / 4.99 ACRES AREA WITHIN 100' WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES CONSTRUCTION PHASE:	Total Cut: 37996 Cubic Yards Total Fill: 9098 Cubic Yards Post construction Phase: Total cut: 3518 Cubic Yards Total Fill: 18935 Cubic Yards OFF-Site Waste / Borrow Area Location: Not Applicable	SEDIMENT AND EROSION CONTROL SHALL BE STRICTLY ENFORCED.	

SEDIMENT TO SETTLE OUT.

 \Box

MAINTENANCE: INSPECT THE TEMPORARY SEDIMENT TRAP AND ASSOCIATED CONTROLS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER TO DETERMINE MAINTENANCE NEEDS. CHECK THE OUTLET TO VERIFY THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE MAINTAINED AT LEAST 1 FOOT BELOW THE CREST OF THE OUTLET SHOULD BE MAINTAINED AT LEAST 1 FOOT BELOW THE CREST OF THE EMBANKMENT. WHEN SEDIMENT HAS ACCUMULATED MORE THAN ONE QUARTER OF THE MINIMUM WET STORAGE VOLUME, DEWATER AND REMOVE SEDIMENT AS NECESSARY TO RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.

SEDIMENT <u>CONSTRUCTION ENTRANCE (CE):</u> WILL BE USED TO REDUCE TRACKING OF OFF SITE TO PAVED AREAS.

<u>Maintenance:</u> Maintain the Entrance in a condition which will prevent tracking and washing of sediment onto paved surfaces. Provide Periodic top dressing with additional stone or additional length as required. Immediately remove all sediment spilled, dropped, washed or tracked onto paved surfaces.

<u>TREE PROTECTION (TP</u>): WILL BE USED TO ENSURE THE SURVIVAL OF EXISTING DESIRABLE TREES FOR THEIR EFFECTIVENESS IN SOIL EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION.

MAINTENANCE: INSPECT TREE PROTECTION ZONES WEEKLY DURING SITE CONSTRUCTION FOR DAMAGE TO THE TREE CROWN, TRUNK AND ROOT SYSTEM. WHEN TREES HAVE BEEN DAMAGED OR THE PROTECTION ZONE HAS BEEN COMPROMISED, CONSULT AN ARBORIST LICENSED IN CT TO DETERMINE HOW DAMAGE SHOULD BE ADDRESSED.

TEMPORARY EROSION CONTROL BLANKETS (ECB): WILL BE USED TO PROVIDE TEMPORARY SURFACE PROTECTION TO DISTURBED SOILS TO ABSORB RAINDROP IMPACT AND TO REDUCE SHEET AND RILL EROSION.

Maintenance: Inspect temporary erosion control blankets at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair any dislodged or failed blankets immediately.

CONSTRUCTION SEQUENCE

1. FLAG THE LIMITS OF CONSTRUCTION, ROADWAY BASE-LINE, AND TREE PROTECTION ZONES. ACCESS ROAD A WEEK AND WITHIN OF 0.5 INCHES OR DEWATERING PUMPING OWS, INSTALL A OWS, INSTALL A HEN DEPOSITS REACH E OR REPAIR WITHIN SUIDELINES FOR SOIL HOOTING FAILURES.

CONCENTRATED

5. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS AND TREE PROTECTION DEVICES IN ACCORDANCE WITH THE E&S PLAN.

4. INSTALL THE CONSTRUCTION ENTRANCE.

2. CONDUCT PRECONSTRUCTION MEETING.

3. CONDUCT TREE CUTTING MEETING.

6. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. BRUSH AND SLASH, STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE

7. CONSTRUCT SEDIMENT TRAPS.

8. EXCAVATE ALL STUMPS LOCATED IN THE STRUCTURAL AREA AND REMOVE TO A DISPOSAL SITE OR STOCKPILE AREA TO BE CHIPPED. STUMPS IN NON-STRUCTURAL AREAS MAY BE GROUND IN PLACE OR CUT FLUSH WITH THE GROUND LEVEL AND LEFT IN PLACE IN ACCORDANCE WITH THE PLANS.

ш

ITHIN CLOSE IE DIVERSION AT THE USED BY RY DIVERSION AND A HOURS OF THE END FATER TO DETERMINE FED FAILURE.

EQUIPMENT LAY-DOWN AREAS

FROM UNPROTECTED SEDIMENT

IATED CONTROLS AT INSTALLING THE ATION IS NEEDED. THIS E COVERED THE NEXT THE CONTRACTOR CONSTRUCTION

DIMENT LADEN W THE MAJORITY OF

7. STRIP AND STOCKPILE ALL TOPSOIL THAT IS WITHIN THE FOOTPRINT OF THE 6. CONSTRUCT SEDIMENT TRAPS.

CONSTRUCTION SITE AND REFERENCE STOCKPILE MANAGEMENT FOR EROSION AND SEDIMENT CONTROLS. EITHER REMOVE TREE STUMPS TO AN APPROVED DISPOSAL SITE OR CHIP IN PLACE AS INDICATED ON THE PLANS.

AREA 8. MAKE ALL CUTS AND FILLS REQUIRED. ESTABLISH THE SUB GRADE FOR THE EQUIPMENT LAY DOWN AREAS AS REQUIRED. ALLOW A REASONABLE AMOUNT OF AROUND THE FOOTPRINT OF THE BUILDING FOR THE CONSTRUCTION ACTIVITIES.

9. BEGIN CONSTRUCTION OF THE TOWER.

10. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY DIVERSIONS AND STONE DIKES, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZATION MEASURES PRIOR TO INSTALLING WATER SURFACE CONTROLS.

11. UPON SUBSTANTIAL COMPLETION TOWERS, COMPLETE THE BALANCE OF SITE WORK AND STABILIZATION OF ALL OTHER DISTURBED AREAS.

12. AFTER SITE IS STABILIZED REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS.

STANDARD EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND LOCAL AGENCIES AS REQUIRED PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITY. UNLESS SPECIFICALLY WAIVED BY THE AGENCY A PRECONSTRUCTION CONFERENCE IS REQUIRED.

2. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLANS AND CONSTRUCTION SEQUENCE AND SHALL HAVE THEM INSPECTED AND APPROVED BY THE AGENCY INSPECTOR AT THE BEGINNING OF ANY OTHER LAND DISTURBING ACTIVITY. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH APPROVAL OF ENGINEER AND/OR INSPECTOR. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF ENGINEER AND/OR INSPECTOR. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREA IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR APPROVAL. THE CONTRACTOR MUST OBTAIN PRIOR AGENCY APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN AND / OR SEQUENCE OF CONSTRUCTION.

3. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIAL DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.

4. THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATION CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIME AS THEY ARE REMOVED. ALL SEDIMENT BASINS, TRAP UNTIL SUCH TIME AS THEY ARE REMOVED. ALL SEDIMENT BASINS, TRAP EMBANKMENTS AND SLOPES, PERIMETER DIKES, SWALES, AND ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH APPROVED STABILIZATION MEASURES AS SOON AS POSSIBLE BUT NO LATER THAN 7 DAYS AFTER MUST ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT ESTABLISHMENT ALL RECESSARY TO ENSURE CONTROL SYSTEM MUST BE MINIMIZED. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

THE CONTRACTOR SHALL APPLY SOD OR SEED AND ANCHORED STRAW MULCH OR OTHER STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN 14. CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

CHIP

6. PRIOR TO REMOVAL OF THE SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL CONTRIBUTORY DISTURBED AREAS USING APPROVED PERMANENT SEED MIXTURE WITH CONTRIBUTORY DISTURBED AREAS USING APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHERE THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN PERFORMED TO PROMOTE SHEET FLOW DRAINAGE. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS AFTER ESTABLISHMENT. WHEN PROPERTY IS BROUGHT TO FINISH GRADE DURING THE MONTHS OF NOVEMBER TO FEBRUARY AND PERMANENT STABILIZATION IS IMPRACTICAL, MONTHS OF NOVEMBER TO FEBRUARY AND PERMANENT STABILIZATION IS IMPRACTICAL, AREAS.

AND

9. STRIP ALL TOPSOIL WITHIN THE ROADWAY BASE-LINE AND SLOPE LIMITS. STOCKPILE ALL TOPSOIL IN AN APPROVED AREA AND SECURE WITH EROSION SEDIMENT CONTROLS.

10. CUT OR FILL THE PROPOSED ROADWAY TO ESTABLISH THE SUB-GRADE.

11. PLACE, GRADE AND COMPACT THE AGGREGATE IN THE ROADWAY BASE.

12. APPLY STABILIZATION MEASURES TO REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN.

7. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE APPLIED BY MARCH 15 OR EARLIER IF GROUND AND WEATHER CONDITIONS ALLOW.

8. THE SITES APPROVAL LETTER, APPROVED EROSION CONTROL PLANS, DAILY LOG BOOKS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS.

9. SURFACE DRAINAGE FLOWS OVER UN-STABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOWS FROM TRAVERSING THE SLOPES OR BY INSTALLING PROTECTIVE DEVICES TO LOWER THE WATER DOWN THE SLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF A CUT OR FILL SLOPE UNTIL THE SLOPE AND DRAINAGE AREA TO IT THE TOP OF A CUT OR FILL SLOPE UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING COMPLETED TO PROMOTE SHEET FLOW. PROTECTIVE MEASURES MUST BE EMPLOYED IN AREAS WHERE CONCENTRATE FLOW IS LIKELY TO OCCUR.

10. PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED FLOW SHALL BE STABILIZED WITH SOD OR SEED WITH AN APPROVED EROSION CONTROL MATTING, RIP-RAP, OR BY OTHER APPROVED STABILIZATION MEASURES. TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED UPON APPROVAL OF INSPECTOR, WITHIN 30 DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTING DRAINAGE AREAS. STORM WATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO PERMANENT CONFIGURATION DURING

CHIP

4. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS AND TREE PROTECTION DEVICES IN ACCORDANCE WITH THE E&S PLAN.

FLAG REMAINDER OF THE LIMITS OF CONSTRUCTION AND TREE PROTECTION ZONES.

2. HOLD PRECONSTRUCTION MEETING.

1. FLAG THE LIMITS OF CONSTRUCTION NECESSARY TO FACILITATE THE PRECONSTRUCTION MEETING.

5. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. BRUSH AND LASH, STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE.

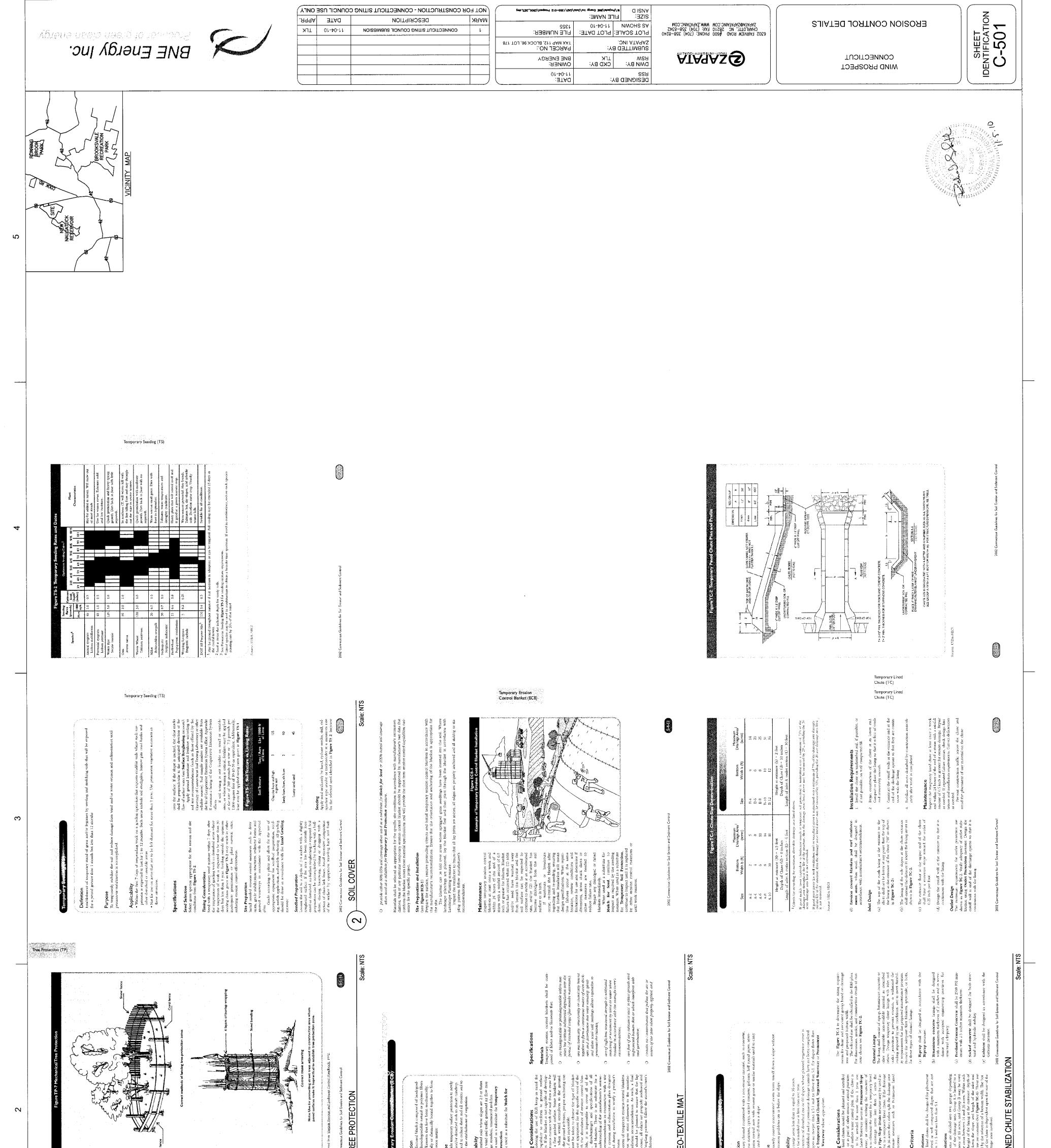
Э

 \sim

 The Reference of a superior of

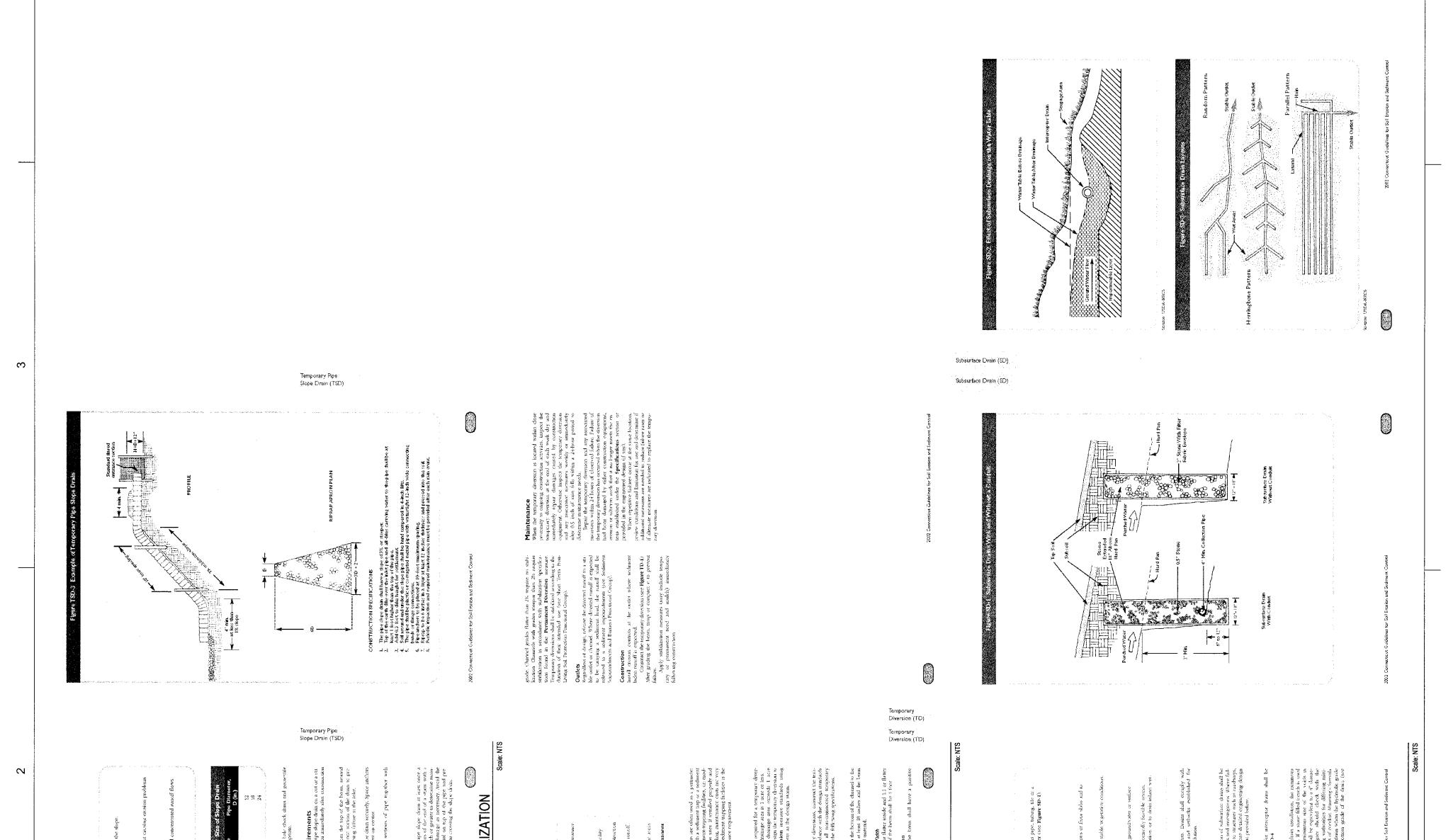
C

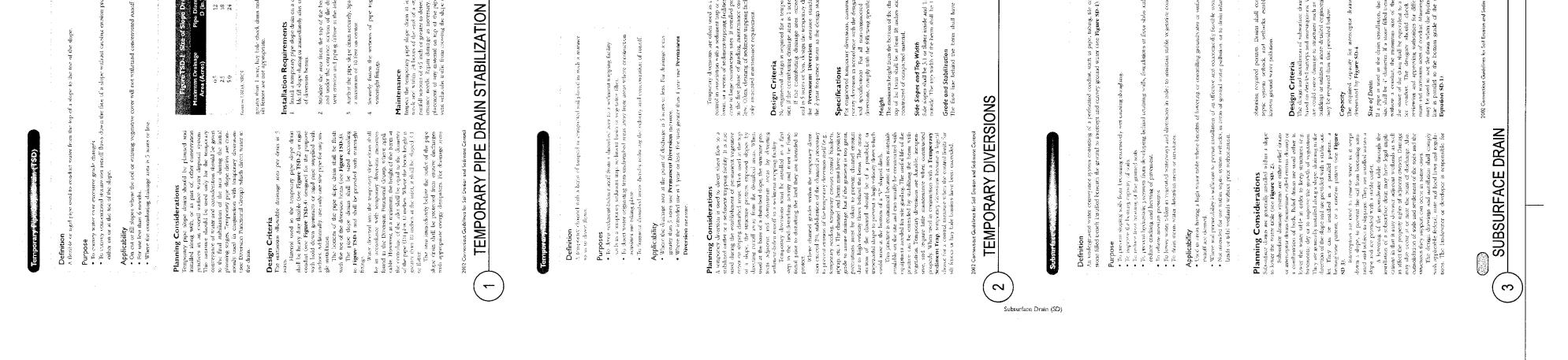
 \triangleleft



		ن ن		Δ		<
~						
			Temporary Erosion Control Blanket (ECB)			Temporary Lined Chute (TC)
	שיין איז		A Bender (1997) A Ben	kees available, avantages, dis manufictured le invisor builder trons and recon visit by the cro- prior to and dr appropriateness is dependent u truer's insupaction shau inspection shau inspe	Definition A temperary Eduninous of neor constant Purpose Discontrated Purpose Discontrated Propose Evaluation Construction Discontant Disconta	A thus a second

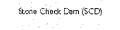
	NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY 1 CONNECTICUT SITING COUNCIL USE ONLY 1 CONNECTICUT SITING COUNCIL SUBMISSION 1 CONNECTICUT SITING COUNCIL SUBMISSION	DESIGNED BY:DATE:RSS11-04-10RSS11-04-10RSWTLKRSWTLKBNE ENERGYSUBMITTED BY:PARCEL NO.:PLOT SCALE:PLOT DATE:FLCT SCALE:PLOT DATE:FLCT SCALE:PLOT DATE:RSW11-04-10RSW11-04-10RSW11-04-10RSW11-04-10PLOT SCALE:PLOT DATE:FLE NUC.1355SIZE:FLE NUMBER:RSIE:FILE NUMBER:RSU11-04-10RSU1355RUSI D1355RUSI D11-04-10RICE:FILE NUMBER:RUSI D1355RUSI D11-04-10RUSI D1355RUSI D11-04-10RUSI D11-04-10RU	CHARLOTTE, NC 28210 FXX: (704) 358-8240 CHARLOTTE, NC 28210 FXX: (704) 358-8240 CHARLOTTE, NC 28210 FXX: (704) 358-8240 CARRLOTTE, NC 28210 FXX: (704) 358-8240 CARRLOTTE, NC 28210 FXX: (704) 358-8240	EROSION CONTROL DETAILS	SHEET IDENTIFICATION C-502
MUNICH MARKENDIN MANANA MANANA MANANA MARKANANA MARKANA MARKANA MARKANA MARKANA MARKANA MARKANA MARK					

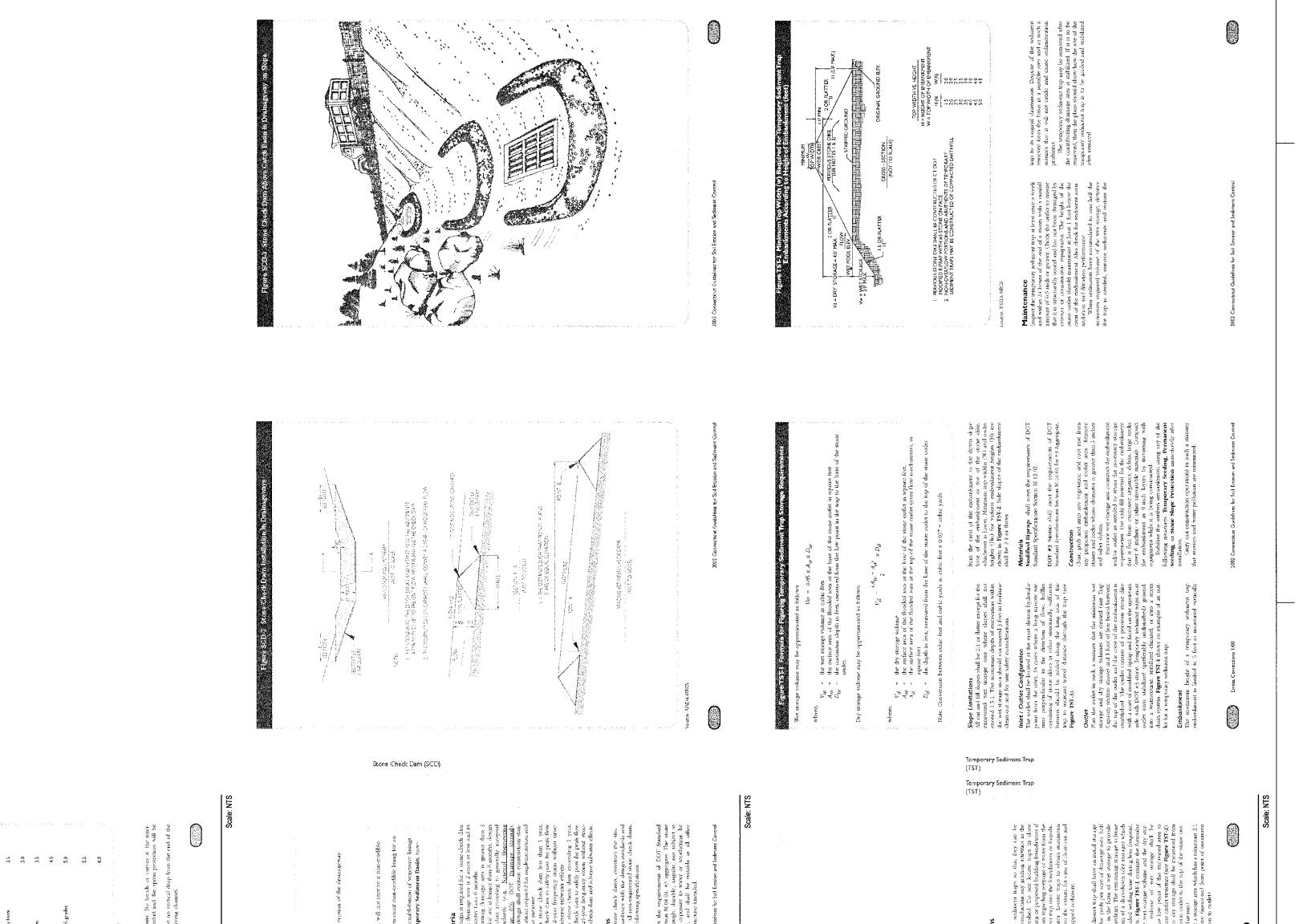




۵ <

BNE Energy clean clean energy Steen clean energy	DATE APPR.	ИОТ FOR CONSTRUCTION - CONNECTICUT SITIN 1 Соиместісит зітіме соимсіг зивміззіом 1 ООТ FOR CONSTRUCTION - CONNECTICUT SITIN	1322	BESIGNED BY: RSS RSS RSS SUBMITTED BY: SUBMITTED BY:	ATAGASTANA RUST INTEGRITY OUT OF THE RELATION	EROSION CONTROL DETAILS WIND PROSPECT	SHEET IDENTIFICATION C-503
Multificity MAP							
						Temporary Sediment Trap (TST)	
					at A Renorder A Selfment Trap Quilte:	X - Section B.B Net to role	in Costol





Outlet Protection (OP) fier dif

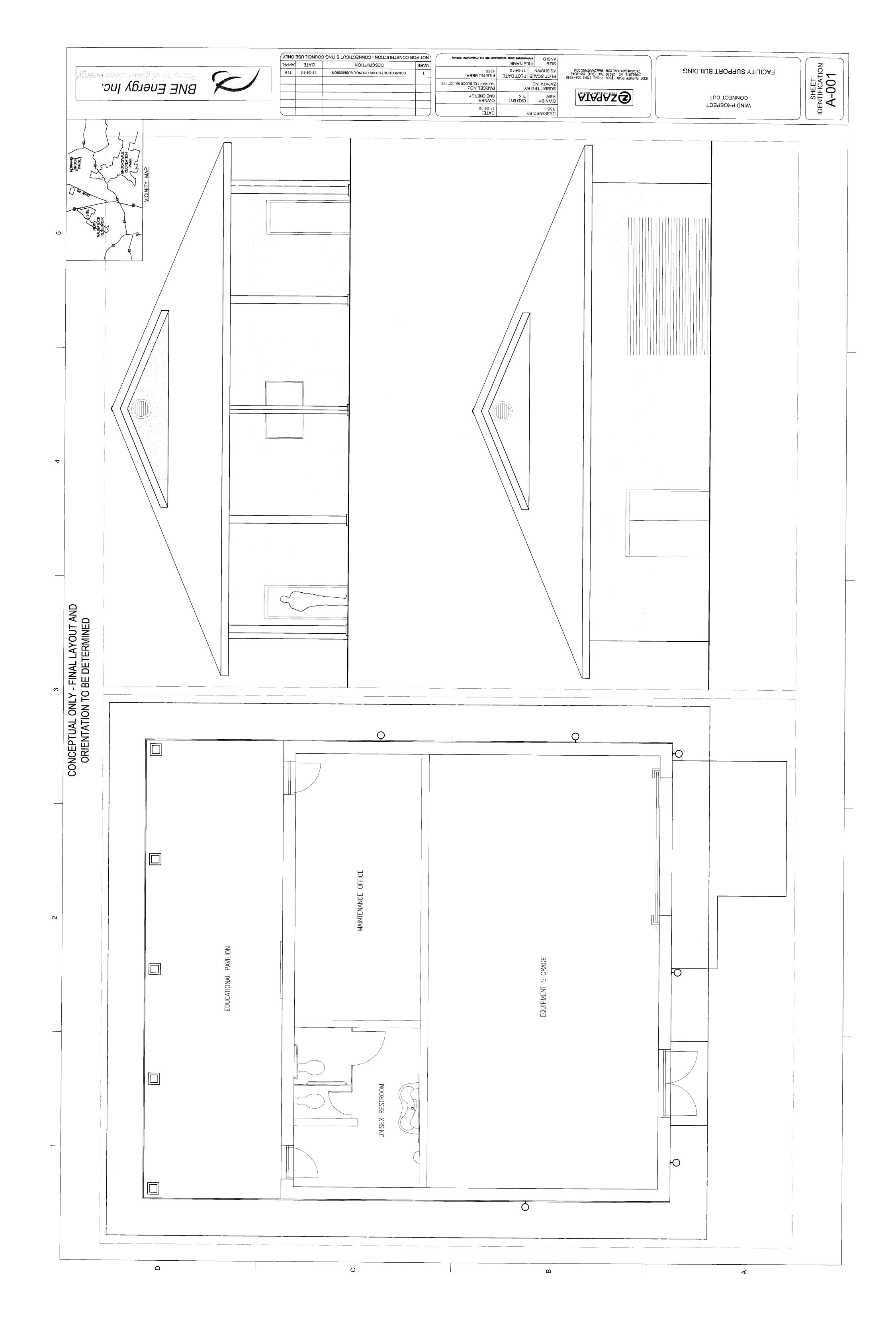
aster soil, rem

2

e

	<page-header><text><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></text></page-header>	<text><text><text><text><text><text><text><list-item><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></list-item></text></text></text></text></text></text></text>
 sepating derices placed between the outlets of press outlets and to minimize the parentul for downstream a water flaws. a water flaws. a water flaws. a variet flaws. a constructed exponential for downstream a constructed as outlets of the conduit exceeds the allowable velocity for the solution conduit exceeds the allowable velocity of the solution conduit exceeds the allowable velocity for the solution conduit exceeds the allowable velocity for the solution conduit exceeds the allowable velocity of the solution conduit exceeds the allowable velocity of the solution conduit exceeds the allowable velocity of the solution of the extent of the allowable velocity of the solution of the entroperation outlet is a solution of the extent of the allowable velocities of the solution of the entroperation of the e	Bows, thereby reducing ension of the chainageway: ginerals, to satile cut. I four length of service, will not receive a non-codible in will not receive u permutanat con-ercedible fitting for all protocrism during the establishment of vegetation hum ediment Trap or a Temporary Sediment Basin, how with those mustations in the second dusting the second for all protocrism during that and the end ediment Trap or a Temporary Sediment Basin, how with those mustations ediment Trap or a Temporary Sediment Basin, how with those mustations ediment Trap or a Temporary Sediment Basin, how with those mustations ediment Trap or a Temporary sediment Basin, how with those mustations ediment Trap or a Temporary sediment Basin, how with those mustations to a store the data according to generations and sereficiations is supred for anylemental the store check data to according the generation and sereficiations as the prover than for a segmencing and serefician set of the anomise the store check data to according the generation and the store check data to according the generation and findures for a 2-year frequency storm who and findure of the check data to according the store check and findure of the check data and according and with the data according a store check data and according a store check data and according a store check data according actores tables actording actores at a store check data according actores data acc	Lby the sin sin sin sin sin sin sin sin





BNE Energy literia clean energy	MOL FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY 1 CONNECTICUT SITING COUNCIL SUBMISSION 1 CONNECTICUT SITING COUNCIL SUBMISSION	SUBMITTED BY: SZPERTA INC. PLOT SCRLE: PLOT DATE: PLOT SCRLE: PLOT DATE: AS SHOWN 11-04-10 1355 AUSI D 1355 AUSI D 1355 FILE NAME: SIZE: AUSI D 1355 AUSI D AUSI	0458-825 (704) #600 PHIDNE: (704) 358-8240 6302 FAIRVIEW RIAD #600 PHIDNE: (704) 358-8242 CHARLITTE, NC 28210 FAX: (704) 358-8242 MIDJ.JNIATA9AZ.WWW MIDJ.JNIATA9AS6ATA9AZ	NAJ9 ETIS - JADIRTOELE	SHEET IDENTIFICATION E-101
		BEE DAJ PWN BY: CKD BY: 20LICITATION NO.: BEE DAJ		CONNECTICUT WIND PROSPECT	Шент Dents
ARK PARK PARK PARK PARK PARK PARK PARK P					
ALL TING LECT NO.: 090-					
C O N S L CHARLOT 704-295 AME PRO					
					EXISTING TO CLARP OVERHEAD LINES
				MERHEAD LIN CONSTINCE TO CONSTINUE TO CONSTI	



BNE Energy laans of green clean energy	NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY 1 CONNECTICUT SITING COUNCIL SUBMISSION 1 CONNECTICUT SITING COUNCIL SUBMISSION	DESIGNED BY: RSS RSS DESIGNED BY: DESIGNED BY: DWN BY: CKD BY: CONTRACT NO.: CONTRACT NO	ATAGAS CARACTER REAL FROM FROM FROM FROM FROM FROM FROM FROM	WIND PROSPECT CONNECTICUT MARDAID AISER DIAGRAM	SHEET IDENTIFICATION E-501
MAP				GRADE	
B REALPHONE REALPHON			MIND TURBINE CENERATOR IN BASE OF TOWER 35KV, 1.6MW, 26A	GRA GRA GRA GRA GRA GRA GRA GRA GRA GRA	
			(TURBINE #2)		
			(TURBINE #1) 	100A 35KV OF TOWER,	

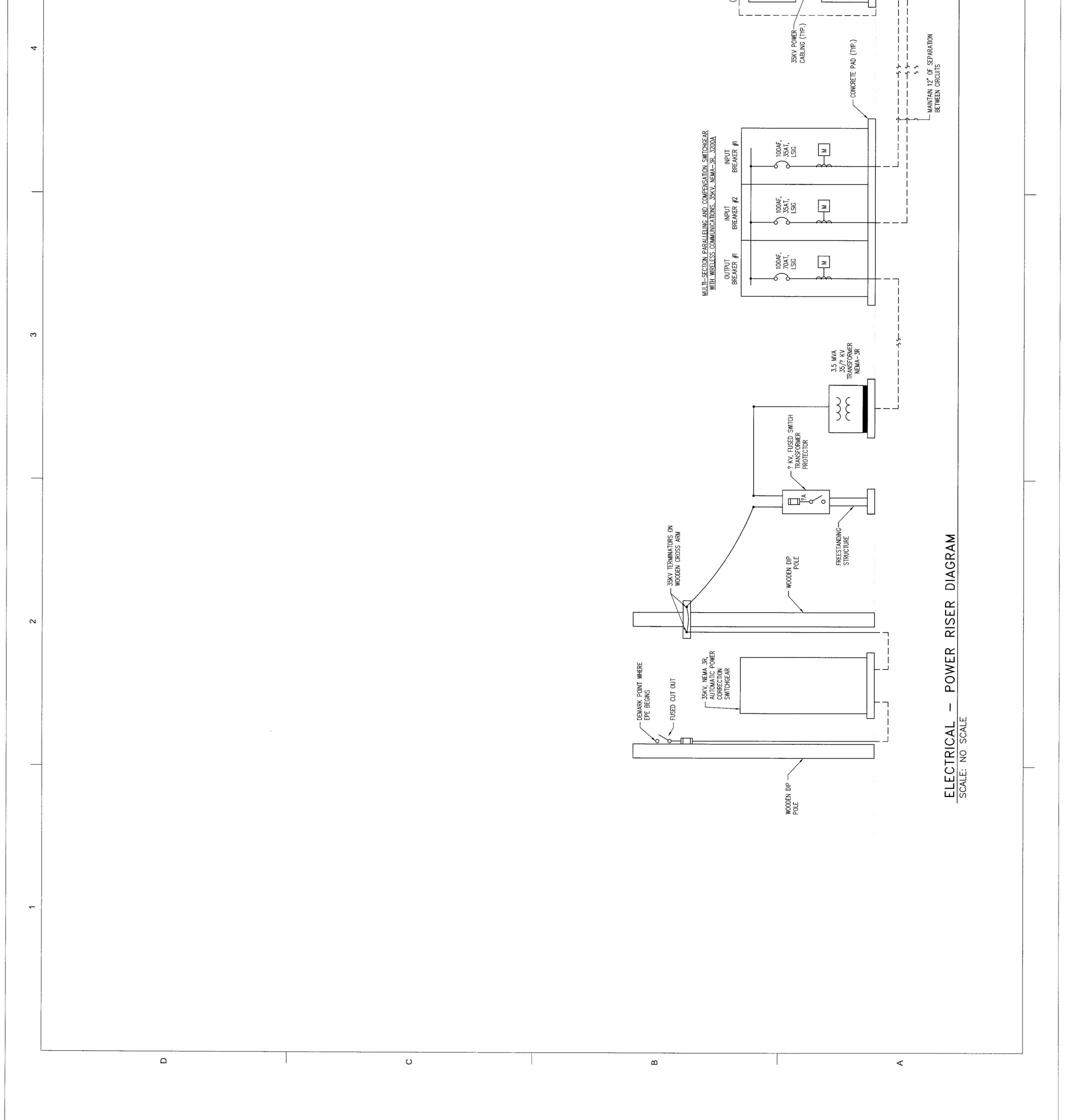


EXHIBIT G

STORMWATER MANAGEMENT PLAN WITH STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

WIND PROSPECT PROSPECT, CONNECTICUT

Prepared for:



BNE Energy 29 South Main Street Town Center, Suite 200 West Hartford, CT 06107

by:



6302 Fairview Road, Suite 600 Charlotte, NC 28210

NOVEMBER 2010

STORMWATER MANAGEMENT PLAN WITH STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

WIND PROSPECT PROSPECT, CONNECTICUT

November 2010

Prepared for:

BNE Energy 29 South Main Street Town Center, Suite 200 West Hartford, CT 06107 Phone (800) 450-0503

by:

Zapata Incorporated 6302 Fairview Road, Suite 600 Charlotte, North Carolina 28210 Phone (704) 358-8240



TABLE OF CONTENTS

1.0	PRO	JECT INTRODUCTION	1-1
1.1	SITE	SUMMARY	1-1
1	.1.1	Existing Conditions	1-1
1	.1.2	Project Description	
1.2	Pro	JECT OWNER AND OPERATOR	
1.3		MIT COVERAGE AND ELIGIBILITY	
1.4	CER	TIFICATION REQUIREMENTS	1-2
1.5		STAL CONSISTENCY REVIEW	
1.6	End	ANGERED OR THREATENED SPECIES	1-3
1.7	Soii	LS, SLOPES, VEGETATION, AND CURRENT DRAINAGE PATTERNS	1-3
1	.7.1	Soil type(s)	
1	.7.2	Slopes	1-3
1	.7.3	Drainage Patterns	1-3
1	.7.4	Vegetation	
1.8	SITE	FEATURES AND SENSITIVE AREAS TO BE PROTECTED	1-3
1	.8.1	Receiving Waters and TMDL Applicability	1-3
1	.8.2	Wetlands	1-4
1.9	Fina	AL STABILIZATION AND TERMINATION OF COVERAGE	1-4
1.10) RET	ENTION OF RECORDS	1-4
2.0	CON	STRUCTION ACTIVITIES	2-1
2.1	DES	CRIPTION OF CONSTRUCTION ACTIVITY	2-1
2.2	CON	ISTRUCTION SITE ESTIMATES	2-1
2.3	Pro	POSED STORMWATER MANAGEMENT PRACTICES	2-1
2	.3.1	Stormwater Treatment Practices	2-1
2	.3.2	Flood Control and Peak Runoff Attenuation Management Practices	2-2
2	.3.3	10 Year Storm	2-2
2	.3.4	25 Year Storm	2-3
2	.3.5	100 Year Storm	2-3
3.0	BEST	Г MANAGEMENT PRACTICES	3-1
3.1	STRU	UCTURAL CONTROL PRACTICES	3-1
3.2	Тем	PORARY EROSION CONTROL PRACTICES	3-1
3	.2.1	Sediment Fence (GSF)	3-1
3	.2.2	Hay Bale Barrier (HB)	3-2
3	.2.3	Stone Check Dam (SCD)	3-2
3	.2.4	Temporary Pipe Slope Drain (TSD)	3-2
3	.2.5	Temporary Diversion (TD)	
	.2.6	Temporary Fill Berm (TFB)	
	.2.7	Temporary Sediment Trap (TST)	
	.2.8	Construction Entrance (CE)	
3	.2.9	Tree Protection (TP)	3-3

3	2.10	Temporary Erosion Control Blankets (ECB)	-4
3.3		, STABILIZATION PRACTICES	
3.4		NTENANCE AND INSPECTIONS	
3.5			3-4
0.0			•
	5.1		3-4
	5.2	Fertilizer	
	5.3	Mulching	
3.	5.4	Topsoiling	-5
3.	5.5	Temporary Control Removal	-5
4.0	GOO	DD HOUSKEEPING BMP'S4	-1
4.1	Рот	ential Sources Of Pollution	-1
4.2		TROLS TO REDUCE POLLUTION FROM THE CONSTRUCTION SITE	
4	2.1	Material Handling and Waste Management	
	2.2	Establish Proper Building Material Staging Areas	
	2.3	Allowable Non-Stormwater Discharge Management	
	2.5	Maintenance of Controls	
5.0	HAZ	ARDOUS SUBSTANCE OR OIL SPILL REPORTING	
5.1	MAT	TERIAL MANAGEMENT PRACTICES	í-1
5.2		I-PETROLEUM PRODUCTS	
5.3			5-1
5.4		L CONTROL AND CLEAN UP	_
6.0		PP APPENDICES	

APPENDICES

Appendix A	Permit Coverage
Appendix B	Certifications
Appendix C	Pre-Construction Meeting
Appendix D	Maps and Drawings
Appendix E	Construction Records
Appendix F	Inspection and Maintenance Records
Appendix G	Hazardous Material or Oil Spill Records
Appendix H	Update Records
Appendix I	Copy of CT DEP Notice of Termination
Appendix J	Connecticut General Permit for the Discharge of Stormwater and Dewatering
	Wastewaters Associated with Construction Activities (DEP-PED-GP-015)

Appendix K Supporting Calculations

Contact Information / Responsible Parties:

Permittee(s): BNE Energy 29 South Main Street Town Center, Suite 200 West Hartford, CT 06107 (800) 450-0503

Contractor Co-Permittee: To be determined

Contractor Operator(s): To be determined

Stormwater Manager and SWPPP Contact(s): BNE Energy 29 South Main Street Town Center Suite 200 West Hartford, CT 06107 (800) 450-0503

This SWPPP was prepared by: Shane Smith, PE Zapata Incorporated 6302 Fairview Road, Suite 600 Charlotte, North Carolina 28210

Stormwater Management Plan with Stormwater Pollution Prevention Plan (SWPPP) Wind Prospect Prospect, Connecticut

Section 1.0
PROJECT INTRODUCTION

1.0 PROJECT INTRODUCTION

Project/Site Information:

Project/Site Name:	Wind Prospect	
Location:	178 New Haven Road Prospect, Connecticut	
Latitude/Longitude:	Latitude: 41° 28' 31" N	Longitude: 72° 58' 20" W

Method for determining latitude/longitude: Google Earth

1.1 SITE SUMMARY

1.1.1 Existing Conditions

Located at 178 New Haven Road the project site currently consists of approximately 67.5 acres of primarily undeveloped property. Development on the property is limited to a telecommunications tower, height approximately 160 feet, in the southeast corner of the property. The Property is located approximately 1,760 feet from the Prospect and Bethany town line and approximately 430 feet from the New Naugatuck reservoir. The surrounding land uses are mixed, consisting of both commercial and residential development. The site is currently accessed via Kluge Road. This access point will be maintained throughout the construction process. Currently, there are no structural stormwater discharge points. All stormwater flows over land to discharge points off site.

1.1.2 Project Description

The developer plans to install two wind turbines at the property: both in the western portion of the property with one in the southwest corner and one in northwestern portion of the Property. In addition to the two turbines, the project will include construction of temporary equipment lay-down areas for both turbines, crane assembly area, access road, permanent facility support building and associated ground equipment including an electrical collector yard and associated utility infrastructure so that the turbines can be interconnected to the electrical grid. Following completion of the project, all temporary structures will be removed and the site returned to preconstruction conditions.

1.2 PROJECT OWNER AND OPERATOR

The project owner and operator, BNE Energy, will be the responsible entity for completing the project. The address and telephone is:

BNE Energy 29 South Main Street Town Center Suite 200 West Hartford, CT 06107 (800) 450-0503

1.3 PERMIT COVERAGE AND ELIGIBILITY

The U.S. Environmental Protection Agency (EPA) requires a National Pollutant Discharge Elimination System (NPDES) General Permit for stormwater discharges from construction sites that disturb more than one acre of land or from smaller sites that are part of a larger, common plan of development. For the purposes of the NPDES program, construction activities are defined as clearing, excavating, grading, or other land disturbing activities.

The General Permit for the Discharge of Stormwater and dewatering Wastewaters associated with Construction Activities (CGP) authorizes stormwater discharges from construction activities which result in the disturbance of one or more acres of land area on a site regardless of project phasing. In the case of a larger plan of development, the estimate of total acres of site disturbance shall include, but is not limited to, road and utility construction, individual lot construction, and all other construction associated with the overall plan, regardless of the individual parties responsible for the construction of these various elements. These conditions are subject to the conditions outlined in DEP-PED-GP-015. The effective dates of this CGP are April 9, 2010 thru October 1, 2011, and cover all areas of Connecticut. This CGP includes provisions for the development of this Stormwater Pollution Prevention Plan (SWPPP) to maximize the potential benefits of pollution prevention and sediment and erosion control measures at a construction site.

CGP eligibility is limited to discharges from "large" and "small" construction activity as defined in Section 3 of 2010 Connecticut General Permit for the Discharge of Stormwater and Dewatering Wastewaters. A copy of DEP-PED-GP-015 is included in Appendix J of this document. The permittee has requested coverage under this CGP by submission of a complete and accurate General Permit Registration Form and Transmittal. Copies of these are included in Appendix A. A map detailing the limits of disturbance, for the disturbed area indicated on the registration form, and covered under this CGP, is included in Appendix D. The permittee is granted coverage under this CGP when they have received a Letter of Coverage (LOC) from DEP. A copy of the LOC is to be included in Appendix A.

1.4 CERTIFICATION REQUIREMENTS

All permittees and operators are required to sign a SWPPP certification as a condition of the CGP. The signed certifications confirm that the contractor has been informed that a SWPPP has been prepared for the project and they will be required to perform necessary actions tat have been identified to comply with both the SWPPP and the CGP. No permittee or operator shall commence work on this project site until they have familiarized themselves with this plan and signed the appropriate SWPPP certification. It may be necessary for the contractor to implement additional erosion control and pollution prevention measures not previously identified to maintain compliance with the CGP. The following signed SWPPP certifications are included in Appendix B:

- Preparer
- Permittee and Co-Permittee
- Operator
- Inspector

1.5 COASTAL CONSISTENCY REVIEW

After review of the applicable policies and standards in Connecticut's Coastal Management Act (CCMA), codified in Sections 22a-90 through 22a-112 of the Connecticut General Statutes (CGS), as amended, it has been determined that this project does not require a coastal consistency review.

1.6 ENDANGERED OR THREATENED SPECIES

The existence and/or mitigation for endangered or threatened species is discussed within the comprehensive assessment of all potential environmental impacts associated with Wind Prospect.

1.7 Soils, Slopes, Vegetation, And Current Drainage Patterns

1.7.1 Soil type(s)

Based upon a review of typical geologic conditions and the National Soil Cooperative Survey, the soils have been classified as (1) Ridgebury, Leicester, and Whitman soils - Extremely stony; (2) Canton and Charlton 3 to 15 percent slopes - extremely stony; (3) Paxton and Montauk fine sandy loams ranging from 3 to 25 percent slopes; and (4) Paxton and Montauk fine sandy loams ranging from 8 to 15 percent slopes - very stony.

1.7.2 Slopes

The project site consists of varying slope conditions ranging from relatively flat conditions in the area of the existing cell tower to steep slopes along the northern and western property boundary.

1.7.3 Drainage Patterns

Existing site topography is such that runoff migrates, typically via overland sheet flow, through the site to a delineated wetland area. These wetlands generally occur on the hillside where the topographical gradient subsides and the seasonal high groundwater persists long enough for reducing soil conditions to exist. Additional drainage patterns were identified through several hillside seepage areas that were delineated on side slopes with exfiltrated groundwater.

1.7.4 Vegetation

The majority of the property is covered by second growth, upland forest, but also includes several forested hillside seep wetlands and watercourses as well as nine acres of early old field meadow habitat situated at the highest elevation on the property.

1.8 SITE FEATURES AND SENSITIVE AREAS TO BE PROTECTED

1.8.1 Receiving Waters and TMDL Applicability

New Naugatuck Reservoir, located approximately 430 feet to the west / southwest of the property boundary and approximately 1200 feet from the nearest proposed tower location. This water body is not considered impaired and is not listed on the most current 303(d) listing of impaired waterways.

Also adjacent to the property to the north a watercourse flows from beneath New Haven Road. While not shown as a perennial watercourse on USGS mapping, field observations indicate this watercourse may be perennial.

1.8.2 Wetlands

Within to the property boundary a wetland has been identified and delineated. Mitigation and impacts are discussed in the environmental assessment completed by VHB, Inc.

1.9 FINAL STABILIZATION AND TERMINATION OF COVERAGE

At the completion of a construction project registered pursuant to Section 4 of the general permit, a Notice of Termination must be filed with the commissioner. A project shall be considered complete after the site has been stabilized for at least three months following the cessation of construction activities. A site is not considered stabilized until there is no active erosion or sedimentation present and no disturbed areas remain exposed.

The termination notice shall be filed on forms prescribed and provided by the commissioner and shall include the following: (1) The permit number as provided to the permittee on the permit certificate; (2) The name of the registrant as reported on the general permit registration form DEP-PED-REG-015; (3) The address of the completed construction site; (4) The date all storm drainage structures were cleaned of construction debris pursuant to Section 6(b)(6)(C)(iv) of the general permit, the date of completion of construction, and the date of the final inspections pursuant to Section 6(b)(6)(D) of this general permit; (5) A description of the post-construction activities at the site; and (6) Signature of the permittee. The termination form should be filed with the commissioner at the following address:

Water Permitting & Enforcement Division Bureau of Materials Management & Compliance Assurance Department of Environmental Protection 79 Elm Street Hartford, Ct 06106-5127

1.10 RETENTION OF RECORDS

The SWPPP document will be maintained by the contractor in the appropriate construction office or location from the date the construction is initiated until the project is concluded. Records will be maintained during grading operations, construction activities either temporarily or permanently cease, stabilization measures are initiated and final stabilization is achieved. The project owner will maintain the SWPPP for a period of three years following termination of coverage. Records to be maintained include but are not limited to:

- SWPPP and any amendments
- Copy of permit and/or certification of coverage
- General Permit Registration Form
- All reports and actions required
- Site inspection records
- Contractor certifications
- Notice of Termination

Stormwater Management Plan with Stormwater Pollution Prevention Plan (SWPPP) Wind Prospect Prospect, Connecticut

Section 2.0 CONSTRUCTION ACTIVITIES

2.0 CONSTRUCTION ACTIVITIES

2.1 DESCRIPTION OF CONSTRUCTION ACTIVITY

Prior to construction BNE will complete all pre-construction planning activities. BNE will continue to consult with municipalities, state agencies and federal agencies, as applicable, and will conduct site surveys to determine construction methodologies and procedures to minimize adverse effects to the environment and public.

Construction will typically consist of activities such as:

- Surveys to stake access roads and structural locations
- Wetland delineation
- Geotechnical investigations
- Establishment of construction staging area
- Installation of sediment and erosion control devices
- Excavation and installation of access roads
- Excavation and installation of lay-down and equipment assembly areas
- Excavation and installation of foundations and erection of new structures
- Installation of conductors
- Restoration of site, including re-establishment of vegetative areas

2.2 CONSTRUCTION SITE ESTIMATES

The following are estimates of the construction site:

Area to be disturbed: 8.36 Total Project area: 67.5 acres Percentage impervious area before construction: 0.2% Runoff coefficient before construction: 65 Percentage impervious area after construction: 1.38% Runoff coefficient after construction: 65 Summary of peak flows: See 2.3.3 Summary of groundwater recharge: 0.008 AC-FT

2.3 PROPOSED STORMWATER MANAGEMENT PRACTICES

2.3.1 Stormwater Treatment Practices

Permanent structural controls will not be required for the treatment of stormwater runoff. Following construction of the tower units, the site will be returned to pre-construction conditions. The constructed access road will remain in place; however the width will be reduced by approximately one-half. The swale constructed as part of the Erosion and Sediment Control Plan will remain in place and will be converted to a water quality swale. Once site conditions and vegetation have been reestablished, stormwater discharges will return to the pre-construction state for quality and quantity.

2.3.2 Flood Control and Peak Runoff Attenuation Management Practices

Construction within the project area is such that flooding caused by an increase in impervious area or the reconfiguration of stormwater conveyance through the drainage area is not a primary concern. The total increase in impervious area is approximately one percent. Permanent stormwater conveyance structures such a storm drains, catch basin, and the like are not planned for this development. Upon completion of the construction of the two towers, the site will be returned to pre-construction conditions.

2.3.3 10 Year Storm

Description Time of concentration (Tc) Percent impervious NRCS runoff curve Peak rates Hydrograph routing – See A	Pre-Construction Area 1 29.5 0% 67 5.58 cfs @12.45 hrs, depth > 1.59" ppendix K	Post Construction Area 1 29.5 0% 67 5.58 cfs @12.45 hrs, depth > 1.59"
Description Time of concentration (Tc) Percent impervious NRCS runoff curve Peak rates Hydrograph routing – See A	Pre-Construction Area 2 11.5 0% 65 9.24 cfs @ 12.17 hrs, depth > 1.45" ppendix K	Post Construction Area 2 10.4 7.8% 67 12.19 cfs @ 12.16 hrs, depth > 1.80"
Description Time of concentration (Tc) Percent impervious NRCS runoff curve Peak rates Hydrograph routing – See A	Pre-Construction Area 3 11.8 0% 65 7.13 cfs @12.18 hrs, depth > 1.45" ppendix K	Post Construction Area 3 11.8 0% 65 7.13 cfs @12.18 hrs, depth > 1.45"
Description Time of concentration (Tc) Percent impervious NRCS runoff curve Peak rates	Pre-Construction Area 4 22.1 0% 65 50.33 cfs @ 12.34 hrs,	Post Construction Area 4 21.6 1.02% 65 58.54 cfs @ 12.32 hrs,

Zapata Incorporated

Hydrograph routing - See Appendix K

depth > 1.45"

depth > 1.64"

2.3.4 25 Year Storm

	Pre-Construction
Description	Area 1
Time of concentration (Tc)	29.5
Percent impervious	0%
NRCS runoff curve	67
Peak rates	7.72 cfs @ 12.43 hrs,
	depth > 2.14 "
Undragraph routing See A	nnondiv K

Hydrograph routing - See Appendix K

Pre-	Constructio	n

DescriptionArea 2Time of concentration (Tc)11.5Percent impervious0%NRCS runoff curve65Peak rates13.05 cfs @ 12.17 hrs,
depth > 1.99"

Hydrograph routing - See Appendix K

	Pre-Construction
Description	Area 3
Time of concentration (Tc)	11.8
Percent impervious	0%
NRCS runoff curve	65
Peak rates	10.16@12.17 hrs,
	depth> 1.99"
II-idea manh monting San A	nnondiv V

Hydrograph routing – See Appendix K

	Pre-Construction
Description	Area 4
Time of concentration (Tc)	22.1
Percent impervious	0%
NRCS runoff curve	65
Peak rates	71.00 cfs @ 12.33 hrs,
	depth > 1.98 "
Hydrograph routing See A	nnendiv K

Hydrograph routing – See Appendix K

2.3.5 100 Year Storm

	Pre-Construction	Post Construction
Description	Area 1	Area 1
Time of concentration (Tc)	29.5	29.5
Percent impervious	0%	0%
NRCS runoff curve	67	67
Peak rates	11.75 cfs @ 12.42 hrs,	11.75 cfs @ 12.42 hrs,

Post Construction

Area 1 29.5 0% 67 7.72 cfs @ 12.43 hrs, depth > 2.14"

Post Construction

Area 2 10.4 7.14% 67 15.31 cfs @ 12.16 hrs, depth > 2.23"

Post Construction

Area 3 11.8 0% 65 10.16@12.17 hrs, depth> 1.99"

Post Construction

Area 4 21.6 1.02% 65 74.53 cfs @ 12.32 hrs, depth > 2.05"

Stormwater Management Plan with Stormwater Pollution Prevention Plan (SWPPP) Wind Prospect Prospect, Connecticut

depth > 3.21" Hydrograph routing – See Appendix K

Pre-Construction Description Area 2 Time of concentration (Tc) 11.5 Percent impervious 0% NRCS runoff curve 65 20.31 cfs @ 12.17 hrs, Peak rates depth > 3.02"

Hydrograph routing – See Appendix K

	Pre-Construction	Post Construction	
Description	Area 3	Area 3	
Time of concentration (Tc)	11.8	11.8	
Percent impervious	0%	0%	
NRCS runoff curve	65	65	
Peak rates	15.81@12.17 hrs,	15.81@12.17 hrs,	
	depth > 3.02"	depth > 3.02 "	
Hydrograph routing See Appendix K			

Hydrograph routing – See Appendix K

	Pre-Construction	Post Construc
Description	Area 4	Area 4
Time of concentration (Tc)	22.1	21.6
Percent impervious	0%	1.02%
NRCS runoff curve	65	65
Peak rates	110.63 cfs @ 12.32 hrs,	117.62 cfs @ 1
	depth > 3.01"	depth > 3.17 "
TT 1 1 (* C) A	1. 77	*

Hydrograph routing – See Appendix K

depth > 3.21"

Post Construction

Area 2 10.4 7.14% 67 23.63 cfs @ 12.15 hrs, depth > 3.38"

ction

12.31 hrs,

Stormwater Management Plan with Stormwater Pollution Prevention Plan (SWPPP) Wind Prospect Prospect, Connecticut

Section 3.0 BEST MANAGEMENT PRACTICES

3.0 BEST MANAGEMENT PRACTICES

Soil erosion and sediment controls are measures that are used to reduce the amount of soil particles that are carried from a land area and deposited in receiving waters. This section provides a general description of the most appropriate control measures proposed for the Project. The permittee's construction contractor(s) and their subcontractors will be responsible for amending the erosion and sediment controls in the SWPPP for their portion(s) of the project. Based on field conditions at the time of construction, the contractors or subcontractors may adjust the locations and types of BMPs so that erosion and sedimentation are controlled to the maximum extent practicable. However, in no case will modifications to the SWPPP result in any less stringent erosion and sedimentation control measures than specified herein.

Any revision to the SWPPP will be recorded on the Record of Revisions form. The application of the techniques in the field will be determined by the professional judgment of the permittee's field construction personnel and will depend on site-specific conditions. All applicable soil erosion and sediment control measures will be implemented in accordance with this SWPPP and the Permit prior to commencement of field construction activities. Measures will be maintained during and after the construction activity, until final stabilization of the soil is accomplished. Upon final stabilization of disturbed areas, all temporary soil erosion and sediment control measures will be removed.

3.1 STRUCTURAL CONTROL PRACTICES

Structural control practices divert flows from exposed soils, store water flow, or otherwise limit runoff from exposed areas of the site. Such practices may include silt fences, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, rock outlet protection (rip-rap), reinforced soil retaining systems, and temporary or permanent sediment basins. Some of these practices may be used as both temporary and permanent control measures. Structural control practices should be placed in upland areas to the degree practicable to prevent erosion and reduce sedimentation in lower elevation areas.

3.2 TEMPORARY EROSION CONTROL PRACTICES

Erosion and sediment control measures will be in place prior to the initiation of soil disturbing activities and will be maintained throughout construction. The contractor may need erosion control measures in other locations of the project as work progresses to keep sediment from leaving the construction site. These measures will be determined by the contractor in the field; if measures are changed in the field, the SWPPP must be modified accordingly. All temporary erosion controls will be removed after the protected area is finally stabilized. The minimum temporary erosion and sediment control practices that will be used for the Project are discussed in the following sections.

3.2.1 Sediment Fence (GSF)

Will retain sediment from small disturbed areas. Sediment fence will be placed along slopes as shown on construction details. The contractor will use his best judgment to install additional sediment fence as necessary to prevent loss of sediment. Refer to section 5-11 of 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

Maintenance: Inspect the silt fence at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. When used for dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits, or if room allows, install a second silt fence up slope from the existing fence when deposits reach approximately one half the height of the existing fence. Replace or repair within 24 hours of an observed failure. Refer to Connecticut Guidelines for Soil Erosion and Sediment Control figure GF-5 for troubleshooting failures. Maintain silt fence until the contributing area is stabilized.

3.2.2 Hay Bale Barrier (HB)

Will retain sediment from small disturbed areas. Hay bales will be placed along slopes as shown on construction details. The contractor will use his best judgment to install additional hay bales as necessary to prevent loss of sediment. Refer to section 5-11 of 2002 Connecticut Guidelines for Soil and Sediment Control.

Maintenance: Inspect the hay bale barrier at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. When used for dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits, or if room allows, install a secondary barrier up slope from the existing barrier when deposits reach approximately one half the height of the barrier. Replace or repair within 24 hours of an observed failure. Refer to Connecticut Guidelines for Soil Erosion and Sediment Control figure HB-5 for troubleshooting failures. Maintain hay bale barrier until the contributing area is stabilized.

3.2.3 Stone Check Dam (SCD)

Will be used to reduce velocity of concentrated flows, thus reducing of the drainage way.

Maintenance: Inspect the stone check dam at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Remove the sediment deposits when deposits reach approximately one half the height of the Check dam. Replace or repair within 24 hours of an observed failure. Maintain until the contributing area is stabilized.

3.2.4 Temporary Pipe Slope Drain (TSD)

Will be used to carry water over excessive changes in grade. TSD's will convey concentrated stromwater runoff flows without causing erosion problems either on or at the toe of the slope.

Maintenance: Inspect the temporary pipe slope drain at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair damage as necessary. Avoid the placement of any material on the top of the pipe and prevent vehicular traffic from crossing the slope drain.

3.2.5 Temporary Diversion (TD)

Will be used to divert sediment laden runoff from a disturbed area to a sediment trapping facility.

Maintenance: When the temporary diversion is located within close proximity to on going construction activities, inspect the diversion at the end of each work day and immediately repair damage caused by construction equipment. Otherwise, inspect the temporary diversion and associated measures at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair within 24 hours of an observed failure.

3.2.6 Temporary Fill Berm (TFB)

Will be used to divert runoff from unprotected fill slopes during construction to a stabilized outlet or sediment trapping facility.

Maintenance: Inspect the temporary fill berm and associated controls at the end of each work day to ensure the criteria for installing the measures have been met. Determine if repair or modification is needed. This measure is temporary and under most situations will be covered the next work day. Maintenance requirements should be minimal. The contractor should avoid placing other material over the berm and construction traffic should not be allowed to cross.

3.2.7 Temporary Sediment Trap (TST)

Will be used to detain sediment laden runoff from small disturbed areas long enough to allow the majority of sediment to settle out.

Maintenance: Inspect the temporary sediment trap and associated controls at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Check the outlet to verify that it is structurally sound and has not been damaged by erosion or construction equipment. The height of the stone outlet should be maintained at least 1 foot below the crest of the embankment. When sediment has accumulated more than one quarter of the minimum wet storage volume, dewater and remove sediment as necessary to restore the trap to its original dimensions.

3.2.8 Construction Entrance (CE)

Will be used to reduce tracking of sediment off site to paved areas.

Maintenance: Maintain the entrance in a condition which will prevent tracking and washing of sediment onto paved surfaces. Provide periodic top dressing with additional stone or additional length as required. Immediately remove all sediment spilled, dropped, washed or tracked onto paved surfaces.

3.2.9 Tree Protection (TP)

Will be used to ensure the survival of existing desirable trees for their effectiveness in soil erosion and sediment control during construction.

Maintenance: Inspect tree protection zones weekly during site construction for damage to the tree crown, trunk and root system. When trees have been damaged or the protection zone has been compromised, consult an arborist licensed in CT to determine how damage should be addressed.

3.2.10 Temporary Erosion Control Blankets (ECB)

Will be used to provide temporary surface protection to disturbed soils to absorb raindrop impact and to reduce sheet and rill erosion.

Maintenance: Inspect temporary erosion control blankets at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair any dislodged or failed blankets immediately.

3.3 SOIL STABILIZATION PRACTICES

Soil stabilization involves covering disturbed soils with grass, mulch, straw, geotextiles, trees, vines, or shrubs. Stabilization practices for exposed disturbed soils are extremely important while conducting construction activities. Vegetative cover serves to reduce the erosion potential by absorbing the energy of raindrops, promoting infiltration in lieu of runoff, and reducing the velocity of runoff. Stabilization measures shall be initiated as soon as practicable, but no more than 14 days after construction activities have temporarily or permanently ceased on any portion of the site.

3.4 MAINTENANCE AND INSPECTIONS

All erosion and sediment control devices shall be installed pursuant to the specifications in the construction details. They will be maintained so that they remain effective at all times.

Erosion and sediment control devices will be inspected by qualified personnel at least once every seven calendar days or at least once every 14 calendar days and within 24 hours of each 0.5-inch or greater rainfall event. During each inspection, the construction inspector will complete the Inspection and Maintenance Report Form located in the appendix. This form will be copied and used as necessary. Ineffective temporary erosion control measures will be repaired or replaced before the next storm event or as soon as practicable. The permittee will immediately install additional temporary erosion control devices in any area deemed in need of protection.

Following temporary or final stabilization, inspections must be conducted at least once a month. If construction has been halted due to frozen conditions, regular inspections are not mandatory until one month before the expected thaw. If vegetation establishment is not satisfactory, special steps to correct the problem will be implemented such as over seeding, mulching, sodding, or the use of erosion control blankets. Once a definable area of the construction site has been finally stabilized, no further inspection requirements apply to that area.

3.5 FINAL STABILIZATION

3.5.1 Seeding

The contractor will be responsible for labor, materials, tools, equipment, and other related items required for preparing ground, providing for sowing of seeds, fertilizing, mulching and top dressing, and other management practices required for erosion control and to achieve final stabilization. It will be the contractor's responsibility to make sure that the soil seedbed is not blown, washed, or otherwise removed from the site. The contractor will make repairs (including replacement of lost topsoil and mulch) to the seedbed preparation site in the event of heavy rain,

wind, or other natural events that cause damage. When practicable, native plant species should be used for landscaping.

3.5.2 Fertilizer

Soil in areas of disturbance may need supplementation from fertilizer. Soil tests may be necessary to determine the most appropriate fertilizer for each location. Once applied, the fertilizer will be worked into the soil to limit exposure to stromwater. Fertilizer spills will be cleaned up immediately and will not be applied along or in a waterway.

3.5.3 Mulching

Mulching will be used in conjunction with both temporary and permanent seeding practices to enhance success by providing erosion protection prior to the onset of vegetative growth. Mulches enhance plant establishment by moderating soil temperatures and conserving moisture. After seeding, straw or hay mulch will be applied at a rate of two to three tons per acre on the disturbed areas. Other forms of mulch will be applied at a rate designated by the Project Engineer. Mulch will not be applied in wetlands, on lawns, and areas where hydro-mulch is used. Mulch will be anchored immediately after placement on steep slopes and stream banks. Mulch will be held in place by a very thin covering of topsoil, small brush, pins, stakes, wire mesh, asphalt binder, or other adhesive material approved by the project engineer.

3.5.4 Topsoiling

Topsoil should be applied in areas where the subsoil or existing surface soil does not provide an adequate growth medium for the desired vegetation, where soil is too shallow to provide adequate rooting depth, or where the soil contains substances toxic to the desired vegetation. Topsoil shall be reasonably free from subsoil and stumps, roots, brush, stones, and clay lumps or similar objects.

3.5.5 Temporary Control Removal

Temporary erosion controls will be left in place until the Project site is stabilized with a uniform vegetative cover of 70 percent density of the native background vegetative cover on all unpaved areas. Following re-vegetation, the permittee will conduct periodic site visits to make sure that vegetation establishment is satisfactory. If sufficient vegetative cover has not been achieved, additional restoration measures will be implemented. Inspection results will be documented using the Inspection and Maintenance Report Form found in the appendix. All temporary soil erosion and sediment control measures will be removed and disposed of after final site stabilization is achieved and before submitting the NOT.

Section 4.0 GOOD HOUSEKEEPING BMP'S

4.0 GOOD HOUSKEEPING BMP'S

4.1 **POTENTIAL SOURCES OF POLLUTION**

Potential exists for construction sediment to be contained in any runoff that occurs on the project site. This sediment is a result of clearing and grading activities.

4.2 CONTROLS TO REDUCE POLLUTION FROM THE CONSTRUCTION SITE

Minimize Disturbed Area, Protect Natural Features, and Soil:

This project will not be mass graded. Only areas required for construction activities will be graded. This practice will reduce sediment transport into receiving bodies.

4.2.1 Material Handling and Waste Management

The contractor will establish control measures to prevent discharge and dispose of construction and sanitary waste on site.

4.2.2 Establish Proper Building Material Staging Areas

The contractor will establish a permanent staging area within the project site for materials and equipment storage.

4.2.3 Allowable Non-Stormwater Discharge Management

Non-stormwater discharges are allowable provided the non-stormwater component of the discharge is in compliance applicable state regulation. Prior to any non storm discharge, the appropriate BMP will be installed and inspected.

4.2.4 Maintenance of Controls

All erosion and sediment control practices will be checked for stability and operation following every runoff-producing rainfall, but in no case less than once every week. Any needed repairs will be made immediately to maintain all practices as designed.

All sediment control features shall be maintained until final stabilization has been obtained.

Contractor will maintain appropriate recording keepings as required by DEP-PED-GP-015. Maintenance records shall describe repair, replacement, and maintenance of BMPs undertaken based on the inspections and maintenance procedures described above and the individual requirements of the BMPs. Actions related to the findings of inspections should reference the specific inspection report. Records should describe actions taken, dates completed, and note the party that completed the work.

During construction the contractor will be responsible for maintaining integrity of all permanent and temporary structures. Prior to submittal of NOT, the contractor and owner will inspect permanent structures to remain in place and correct all noted deficiencies. Upon acceptance from contractor, the owner will maintain responsibility for inspection of the structure semi-annually.

Section 5.0

HAZARDOUS SUBSTANCE OR OIL SPILL REPORTING

5.0 HAZARDOUS SUBSTANCE OR OIL SPILL REPORTING

The Spill Prevention Control and Countermeasure Plan (SPCC), which describes measures to prevent, control, and minimize impacts from a spill of a hazardous, toxic, or petroleum substance during construction of the proposed project. This plan identifies the potentially hazardous materials to be used during this project, describes the transport, storage, and disposal procedures for these substances, and outlines the procedures to be followed in the event of a spill of a contaminating or toxic substance.

As per 40 CFR 112, a Spill Prevention Control and Countermeasures Plan (SPCC) must be prepared if the construction site will have 1,320 gallons of above ground storage capacity (or 42,000 gallons in underground storage not regulated by UST rules) or more in 55-gallon-sized (or larger) containers. This would include any temporary tanks or fueling trucks used to "store" petroleum on-site. The truck would be subject to the SPCC Plan rules when parked on the construction site and used for "storage." If, at any time, a subcontractor's cumulative above ground storage capacity on-site exceeds 1,320 gallons, the subcontractor shall maintain a certified SPCC Plan (40 CFR 112).

5.1 MATERIAL MANAGEMENT PRACTICES

Properly managing materials on the construction site will greatly reduce the potential for stormwater pollution of materials. Good housekeeping, along with proper use and storage of construction materials, form the basis for proper management of potentially hazardous materials.

5.2 NON-PETROLEUM PRODUCTS

Due to the chemical makeup of specific products, certain handling and storage procedures are required to promote the safety of handlers and prevent the possibility of pollution. Care shall be taken to follow all directions and warnings for products used on the site. All pertinent information can be found on the MSDS for each product. The MSDS will be kept on-site.

5.3 **PETROLEUM PRODUCTS**

On-site vehicles will be monitored for leaks and receive regular maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Preferably, the containers will be stored in a covered truck or trailer that provides secondary containment for the products. Bulk storage tanks having a capacity of greater than 55 gallons will be provided with secondary containment. Containment can be provided by a temporary earthen berm or other means. After each rainfall event, the contractor shall inspect the contents of the secondary containment area for excess water. If no sheen is visible, the collected water can be pumped to the ground in a manner that does not cause scouring. If any sheen is present, it must be treated prior to discharging the water. Otherwise, the contaminated water must be transported and disposed off-site in accordance with local, state, and federal requirements. Bulk fuel or lubricating oil dispensers shall not have a self-locking mechanism that allows for unsupervised fueling. Fueling operations shall be observed to immediately detect and contain spills. No waste oil or other petroleum-based products will be disposed of on-site (e.g. buried, poured, etc.), but shall be taken off-site for proper disposal.

5.4 SPILL CONTROL AND CLEAN UP

In addition to the material management practices discussed previously, the following spill control and cleanup practices will be adhered to prevent stormwater pollution in the event of a spill:

- Personnel on-site will be made aware of cleanup procedures and the location of spill cleanup.
- Equipment spills will be contained and cleaned up immediately after discovery.
- Manufacturer methods for spill cleanup of a material will be followed as described on the material's MSDS.
- Materials and equipment needed for cleanup procedures will be kept readily available on the site, either at an equipment storage area or on contractor's trucks; equipment to be kept on the site will include, but not be limited to, brooms, dust pans, shovels, granular absorbents, sand, saw dust, absorbent pads and booms, plastic and metal trash containers, gloves, and goggles.
- Toxic, hazardous or petroleum product spills required to be reported by regulation will be documented to the appropriate federal, state, and local agencies.
- Spills will be documented and a record of the spills will be kept with this SWPPP.

The federal reportable spill quantity for petroleum products is defined in 40 CFR 110 as any oil spill that:

- violates applicable water quality standards;
- causes a film or sheen upon or discoloration of the water surface or adjoining shoreline; or
- causes a sludge or emulsion to be deposited beneath the surface of the water or adjoining shorelines.

Section 6.0
SWPPP APPENDICES

6.0 SWPPP APPENDICES

Attach the following documentation to the SWPPP in the following appendices.

Appendix A – Permit Coverage

- Submitted General Permit Registration Form and Transmittal
- Issued CT Letter of Coverage
- Other applicable permits

Appendix B – Certifications

- Preparer
- Permittee or Co-Permittee
- Operator
- Inspector

Appendix C – Pre-Construction Meeting – Items to be added upon completion of meeting includes:

- Agenda
- Attendees
- Minutes

Appendix D – Maps and Drawings

- Site Maps
- Site Plan

Appendix E – Construction Records

• Construction Activities and Control Installation Log

Appendix F – Inspection and Maintenance Records

- Inspection & Maintenance Log
- Inspection Report
- Maintenance Report

Appendix G – Hazardous Material or Oil Spill Records

• Spill Report

Appendix H – Update Records

- Plan Update Description
- Plan Update Log

Appendix I – Copy of CT DEP Notice of Termination (Form DHEC 2610, 04/1998)

Appendix J – Connecticut General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (DEP-PED-GP-015)

Appendix K – Supporting Calculations

Stormwater Management Plan with Stormwater Pollution Prevention Plan (SWPPP) Wind Prospect Prospect, Connecticut

Appendix A
PERMIT COVERAGE

DEP USE ONLY

Application No.

Permit No.

Facility I.D.



General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Please complete this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your registration. Print or type unless otherwise noted. You must submit the *Permit Application Transmittal Form* (DEP-APP-001) and the registration fee along with this form.

Part I: Registration Type

Enter a check mark in the appropriate box identifying the registration type.

This registration is for (check one):	Please identify any existing permit number in the space provided:
A modification of an existing general permit	Existing permit number: GSN

Part II: Fee Information

Registration only	A registration fee of \$625.00 is to be submitted with <i>each</i> registration that you are submitting at least 30 days before the initiation of construction activities.
Registration and Plan Review	All construction projects that result in the disturbance of ten or more acres require the submittal of a Stormwater Pollution Control Plan and a \$625.00 plan review fee. The plan and the fee must be submitted 30 days prior to initiation of the construction activity. \$625.00 registration fee + \$625.00 review fee = \$1,250.00 total fee
For municipalities, a 50% discount applies. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Environmental Protection.	

Part III: Registrant Information

1.	. Fill in the name of the registrant(s) as indicated on the <i>Permit Application Transmittal Form</i> (DEP-APP-001):			
	Regi	strant:		
	Phor	ne:	ext.	Fax:
		Check here if there are co-registrants. I information as supplied above.	f so, label and attach	additional sheet(s) with the required

Bureau of Materials Management and Compliance Assurance DEP-PED-REG-015

1 of 5

2.	List primary contact for departmental correspondence a	and inquiries, if diff	erent than the registrant.
	Name:		
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.	Fax:
	Site Phone:	Emergency Pho	ne:
	Contact Person:	Title:	
	Association (e.g. developer, general or site contractor,	etc.):	
З.	List owner of the property on which the activity will take	place, if different l	from registrant:
	Name:		
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.	Fax:
	Contact Person:	Title:	
4.	List developer, if different from registrant or primary con	ntact:	
	Name:		
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.	Fax:
	Contact Person:	Title:	
5.	Name and address of general contractor:		
	Name:		
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.	Fax:
	Site Phone:	Off-hours Phone	e:
	Contact Person:	Title:	
6.	List any engineer(s) or other consultant(s) employed or Stormwater Pollution Plan.	retained to assist	in preparing the registration and
	Check here if additional sheets are necessary, and	label and attach th	nem to this sheet.
	Name:		
	Mailing Address:		
	City/Town:	State:	Zip Code:
	Business Phone:	ext.	Fax:
	Contact Person:	Title:	
	Service Provided:		

Bureau of Materials Management and Compliance Assurance DEP-PED-REG-015

2 of 5

Rev. 04/09/10

Part IV: Site Information

1.	Site or Project Name (if any):		
	Street Address or Description of Location:		
	City/Town:	State:	Zip Code:
2.	Brief description of construction activity:		
З.	Start Date:	Anticipated Completion Date	0
4.	Estimated total number of acres to be distu	rbed:	

Part V: Stormwater Discharge Information

1.	Where does stormwater discharge to:
	Municipal Separate Storm System? 🗌 Yes 🗌 No (Name):
	Surface water body or wetlands?
2.	Is the discharge located less than 500 feet from a tidal wetland, which is not a fresh-tidal wetland?
З.	Name of the watershed where the site is located OR nearest waterbody to which it discharges:
4.	Is construction in accordance with the Guidelines established under Section 22a-329 of the Soil Erosion and Sedimentation Act?
5.	Is construction in accordance with local soil erosion and sediment ordinances? 🔲 Yes 🔲 No
	Note: A copy of this registration and the Stormwater Pollution Control Plan must be available to the town wetlands enforcement officials, wetlands commission, or their equivalent.
6.	Will the construction project disturb over ten acres? Yes No
	If yes, enclose a copy of the Stormwater Pollution Control Plan and plan review fee.
	······································
7.	Has the construction project been reviewed for compliance with the following DEP programs?
	a. Coastal Management Act (Section 22a-92 of the Connecticut General Statutes) 🗌 Yes 🗌 No
	 Endangered and Threatened Species (Section 26-306 of the Connecticut General Statutes) Yes INO
	c. State and Federal Historic Preservation statutes?

Bureau of Materials Management and Compliance Assurance DEP-PED-REG-015 3 of 5

Rev. 04/09/10

Part VI: Supporting Documents

Check the box by the attachments being submitted as verification that all applicable attachments have been submitted with this registration form. When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc.) and be sure to include the registrant's name as indicated on the *Permit Application Transmittal Form*.

Attachment A:	An 8 1/2" x 11" copy of the relevant portion or a full-sized original of a USGS Quadrangle Map indicating the exact location of the facility or site. Indicate the quadrangle name on the map. (To obtain a copy of the relevant USGS Quadrangle Map, call your town hall or DEP Maps and Publications Sales at 860-424-3555.)
Attachment B:	A copy of the Stormwater Pollution Control Plan and plan review fee of \$500.00, if the construction project disturbs over 10 acres

Part VII: Environmental Professional Certification

The following certification must be signed by a professional engineer, licensed to practice in Connecticut.

"I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."								
Signature of Professional Engineer	Date							
	D. D. Marshard (Franklands)							
Name of Professional Engineer (print or type)	P. E. Number (if applicable)							
	Affix P. E. Stamp Here							

Bureau of Materials Management and Compliance Assurance DEP-PED-REG-015

Part VIII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

 "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute. I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements." 							
Signature of Registrant	Date						
	<u> </u>						
Name of Registrant (print or type)	Title (if applicable)						
Signature of Preparer (if different than above)	Date						
Name of Preparer (print or type)	Title (if applicable)						
Check here if additional signatures are necess	sarv						
If so, please reproduce this sheet and attach s							
	mittal Form, the Registration Form, Fee(s), and all Supporting						
Documents to: CENTRAL PERMIT PROC	ESSING UNIT						
	RONMENTAL PROTECTION						
79 ELM STREET	407						
HARTFORD, CT 06106-51							
Note: If discharging to municipal separate storm se owner or operator of that system.	ewer, send a copy of this completed registration form to the						
	olywaterebod or aquifer area, cond a conv of this completed						
registration form to the appropriate water co	ply watershed or aquifer area, send a copy of this completed mpany.						
Bureau of Materials Management and Compliance Assurance							
DEP-PED-REG-015	5 of 5 Rev. 04/09/10						

.

.



STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION Central Permit Processing Unit 79 Elm Street Hartford, CT 06106-5127

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

	CPPU USE ONLY
App #:	
Doc #:	
Check #:	

Part I: Applicant Information:

- If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated exactly as it is registered with the Secretary of State.
- If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

Applicant:					
Mailing Address:					
City/Town:		State:	Zip Code:		
Business Phone:	ext.:	F	Fax:		
Contact Person:		Phone:		ext.	
E-Mail:					
Applicant (check one): 📋 individual	🔲 *company	🗌 federal gov't	state agency	🔲 municipality	
*If a company, list company type (e.g., co Check if any co-applicants. If so, a			d information as su	pplied above.	
Please provide the following information	to be used for billi	ng purposes only, if diff	ferent:		
Company/Individual Name:					
Mailing Address:					
City/Town:		State:	Zip Code:		
Contact Person:		Р	hone:	ext.	

Part II: Project Information

Other Project Related Permits (not included with this form):							
Permit	Issuing	Submittal	issuance	Denial	Permit #		
escription	Authority	Date	Date	Date			

DEP-APP-001

Rev. 08/02/10

New, Mod. or Renew	Individual Permit Applications	initial Fees	No. of Permits Applied For	Total Initial Fees	Original Required Copies
91-23 (Davi	AIR EMISSIONS				
	New Source Review	\$940.00			1+0
	Title V Operating Permits	none			1+0
	Title IV	none			1+0
	Clean Air interstate Rule (CAIR)	nane			1+0
	WATER DISCHARGES	Farmer S			
	To Groundwater	\$1300.00			1+1
	To Sanitary Sewer (POTW)	\$1300.00			1+1
	To Surface Water (NPDES)	\$1300.00			1+2
	INLAND WATER RESOURCES-multiple permits 1 + 8 total copies				
	Dam Construction	none			1+2
	Flood Management Certification	none			1+1
	Inland 401 Water Quality Certification	none			
	Inland Wetlands and Watercourses	none			1+5
	Stream Channel Encroachment Lines	*			
	Water Diversion	*			1+5
1.1.1	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Certificate of Permission	\$375.00			1+3
	Coastal 401 Water Quality Certification	поле			1+3
	Structures and Dredging/Tidal Wetlands	\$660.00			1+3
	WASTE MANAGEMENT				Carl Mar.
	Aerial Pesticide Application	*			1+2
	Aquatic Pesticide Application	\$200.00			1+0
	CGS Section 22a-454 Waste Facilities	*			1+1
	Hazardous Waste Treatment, Storage and Disposal Facilities	*			1+1
	Marine Terminal License	\$125.00			1+0
	Stewardship	\$4000.00			1+1
	Solid Waste Facilities	*			1+1
	Waste Transportation				1+0
		Subtotal 📫			
	GENERAL PERMITS and AUTHORIZATIONS Subt Enter subtotals from Part IV, pages 3 & 4 & 5 of this form Subt	otals Page 3 📫 otals Page 4 📫			
	Subt	otals Page 5 📫			
	Τζ	DTAL 📫			
	Indicate whether municipal discount or state Less Appli	waiver applies. cable Discount	-		
			TTED 📫		
Check	# Check or money order sho "Department of Environme		able to:		

Part III: Individual Permit Application and Fee Information

* See fee schedule on individual application.

DEP-APP-001

Rev. 08/02/10

Part IV:	General Permit Registrations and Requests for Other Authorizations
	Application and Fee Information

✓ General Permits and Other Authorizations	initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
AIR EMISSIONS	101- 81 - 81 - 81			
Limit Potential to Emit from Major Stationary Sources of Air Poli	ution \$5000.00			1+0
Ionizing Radiation Registration	\$200.00			1+0
Emergency/Temporary Authorization	**			**
Other, (please specify):				
WATER DISCHARGES				
Domestic Sewage	\$500.00			1+0
Food Processing Wastewater	\$500.00			1+0
Groundwater Remediation Wastewater to a Sanitary Sewer	\$500.00			1+0
Groundwater Remediation Wastewater to a Surface Water Registration Only Approval of Registration by DEP	\$625.00 \$1250.00			1+0
Hydrostatic Pressure Testing Wastewater Registration Only Approval of Registration by DEP (natural gas pipelines)	\$625.00 \$1250.00			1+0
Miscellaneous Discharges of Sewer Compatible Wastewater Flow < 5,000 gpd and fire sprinkler system testwater Flow > 5,000 gpd	\$500.00 \$1000.00			1+1
Non-Contact Cooling and Heat Pump Water (Minor)	\$625.00			1+1
Photographic Processing Wastewater (Minor)	\$100.00			1+0
Printing & Publishing Wastewater (Minor) Flow < 40 gpd	\$500.00 \$100.00			1+0
Stormwater Associated with Commercial Activities	\$500.00			1+0
Stormwater Associated with Industrial Activities	\$500.00			1+0
Stormwater & Dewatering Wastewaters-Construction Activities 5 – 10 acres > 10 acres	\$625.00 \$1250.00			1+0
Stormwater from Small Municipal Separate Storm Sewer System (MS4)	ns \$250.00			1+0
Swimming Pool Wastewater - Public Pools and Contractors	\$500.00			1+0
Tumbling or Cleaning of Parts Wastewater (Minor)	\$1000.00			1+1
Vehicle Maintenance Wastewater Registration Only Approval of Registration by DEP	\$500.00 \$1000.00			1 + 0
Water Treatment Wastewater	\$625.00			1+0
Emergency/Temporary Authorization - Discharge to POTW	\$1500.00			1+0
Emergency/Temporary Authorization - Discharge to Surface Wa	ter \$1500.00			1+0
Emergency/Temporary Authorization - Discharge to Groundwat	er \$1500.00			1+0
Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.	Subtotal			

** Contact the specific permit program for this information (Contact numbers are provided in the instructions).

DEP-APP-001

✓ General Permits and Other Authorizations	initiai Fees	No. of Permits Applied For	Total initial Fee	Original + Required Copies
AQUIFER PROTECTION PROGRAM				
Registration for Regulated Activities	\$625.00			1+0
Permit Application to Add a Regulated Activity	\$1250.00			1+0
Exemption Application from Registration	\$1250.00			1+0
INLAND WATER RESOURCES			Second Second	E Mitheat
Dam Safety Repair and Alteration	\$1000.00			1+2
Diversion of Water for Consumptive Use: Reauthorization Categories	\$1000.00			1+2
Diversion of Water for Consumptive Use: Authorization Required	\$2500.00			1+5
Diversion of Water for Consumptive Use: Filing Only	\$1500.00			1+4
Habitat Conservation	\$1000.00			1+2
Lake, Pond and Basin Dredging	\$1000.00			1+2
Minor Grading	\$1000.00			1+2
Minor Structures	\$1000.00			1+2
Utilities and Drainage	\$1000.00			1+2
Emergency/Temporary Authorization	**			**
Cther, (please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
☐ 4/40 Docks	\$700.00			1+1
Beach Grading	\$100.00			1+1
Coastal Remedial Activities Required by Order	\$700.00			1+1
Marina and Mooring Fleid Reconfiguration	\$700.00			1+1
Non-harbor Moorings	\$100.00			1+1
Osprey Platforms and Perch Poles	none			1+1
Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	\$100.00			1+1
Removal of Derelict Structures	\$100.00			1+1
Residential Flood Hazard Mitigation	\$100.00			1+1
Swim Floats	\$100.00			1+1
Emergency/Temporary Authorization Other, (please specify):	**			**
Note: Carry subtotals over to Part III, page 2 of this form. Sub	ototal			

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

* See fee schedule on registration/application.

** Contact the specific permit program for this information.

DEP-APP-001

✓	General Permits and Other Authorizations	initiai Fees	No. of Permits Applied For	Total initial Fee	Originai + Required Copies
	WASTE MANAGEMENT			STOP TIC	
	Addition of Grass Clippings at Registered Leaf Composting Facilities	\$500.00			1+0
	Asbestos Disposai Authorization	\$300.00			1+0
	Certain Recycling Facilities				
	Drop-site Recycling Facility	\$200.00		=	1+0
	Limited Processing Recycling Facility	\$500.00			1+0
	Recyclables Transfer Facility	\$500.00		1	1+0
	Single Item Recycling Facility	\$500.00			1+0
	Contaminated Soli and/or Staging Management (Staging/Transfer) Registration Only Approval of Registration by DEP	\$250.00 \$1500.00			1+0 1+0
	Connecticut Solid Waste Demonstration Project	\$1000.00			1+0
	Disassembling Used Electronics	\$400.00			1+0
	Leaf Composting Facility	none			1+1
	Municipal Transfer Station	\$800.00			1+1
	One Day Collection of Certain Wastes and Household Hazardous Waste	\$1000.00			1+0
	Special Waste Authorization	\$660.00			1+0
	Storage and Distribution of Two (2) inch Nominal Tire Chip Aggregate	\$500.00			1+0
	Storage and Processing of Asphalt Roofing Shingle Waste and/or Storage and Distribution of Ground Asphalt Aggregate	*			1+0
	Storage and Processing of Scrap Tires for Beneficial Use	\$1000.00			1+0
	Emergency/Temporary Authorization	**			
	Other, (please specify):				
2	REMEDIATION				
	in Situ Groundwater Remediation: Enhance Aerobic Biodegradation	*			1+2
N	ote: Carry subtotals over to Part III, page 2 of this form. Sub	itotal			F. 12

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

★See fee schedule on registration/application.

**Contact the specific permit program for this information.

In conformance with the ADA, individuals with disabilities who need information in an alternative format to allow them to benefit and/or participate in the agency's programs and services, should call 860-424-3051 or 860-418-5937, or e-mail Marcia Z. Bonitto, ADA Coordinator at <u>Marcia Bonitto@ct.gov</u>.

Rev. 08/02/10

101 - Cut	Appli	cai	nt Cor	npl	liance In	DEP ONLY App. No Co./Ind. No
Ann	licant Name:					
	indicated on the Permit App	olicatio	on Transmi	ttal Fo	orm)	
	ou answer <i>yes</i> to any of the e erse side of this sheet as dir					he Table of Enforcement Actions on the it application.
A.	During the five years imme convicted in any jurisdiction					application, has the applicant been nental law?
			Yes		No	
В.	During the five years imme imposed upon the applicar violation of an environment	nt in a	ny state, in	g subi cludir	mission of this a ng Connecticut, a	pplication, has a civil penalty been or federal judicial proceeding for any
			Yes		No	
C.		impo	sed on the	applic	cant in any state	application, has a civil penalty exceeding , including Connecticut, or federal w?
			Yes		No	
D.		urt iss	ued any or			application, has any state, including Igement to the applicant concerning a
			Yes		No	
E.						application, has any state, including o the applicant concerning a violation of
			Yes		No	
			· _··· ·		······································	
DEP-A	PP-002				1 of 2	Rev. 06/07/0

(1) Type of Action	(2a) Date Commenced	(2b) Date Terminated	(3) Jurisdiction	(4) Case/Docket/ Order No.	(5) Description of Violation

Table of Enforcement Actions

Check the box if additional sheets are attached. Copies of this form may be duplicated for additional space.

DEP-APP-002

2 of 2

Rev: 05/07/04



Applicant Background Information

Please enter a check mark by the entity which best describes the applicant and complete the requested information. You must choose one of the following.

1.	Pare	nt Corporation		
	Nam	3:		
	Maili	ng Address:		
	City/	Fown:	State:	Zip Code: -
	Busir	ness Phone:	ext.	Fax:
	Cont	act Person:	Title:	
2.	Subs	idiary Corporation:		
	Nam	9:		
	Maili	ng Address:		
	City/	lown:	State:	Zip Code: -
	Busir	ness Phone:	ext.	Fax:
	Cont	act Person:	Title:	
З.	Direc	tors:		
	Name	2.		
	Maili	ng Address:		
	City/	Fown:	State:	Zip Code: -
	Busir	ness Phone:	ext.	Fax:
	Name	9:		
	Maili	ng Address:		
	City/	Fown:	State:	Zip Code: -
	Busir	ness Phone:	ext.	Fax:
		Please enter a check mark, if additional s sheet(s) to this sheet with the required inf	heets are necessary ormation as supplied	. If so, label and attach additional Jabove.
4.	Office	ers:		
	Name	9:		
	Maili	ng Address:		
	City/	Fown:	State:	Zip Code: -
	Busir	ness Phone:	ext.	Fax:
		Please enter a check mark, if additional s sheet(s) to this sheet with the required inf	heets are necessary ormation as supplied	. If so, label and attach additional Jabove.

DEP-APP-008

	Limited Liabilit	y Company		******
1.	List each member.			
	Name:			
	Mailing Address:			
	City/Town:		State:	Zip Code: -
	Business Phone:	127 -	ext.	Fax:
	Name:			
	Mailing Address:			
	City/Town:		State:	Zip Code: -
	Business Phone:		ext.	Fax;
	Name:			
	Mailing Address:			
	City/Town:		State:	Zip Code: -
	Business Phone:		ext	Fax:
	Please enter a sheet(s) to this	a check mark, if additiona s sheet with the required	l sheets are necessa information as suppli	ry. If so, label and attach additional ied above.
2.	List any manager(s business, property) who, through the article and affairs of the limited	es of organization, an liability company.	e vested the management of the
	Name:			
	Mailing Address:			
	City/Town:		State:	Zip Code: -
	Business Phone:		ext.	Fax:
	Name:			
	Mailing Address:			
	City/Town:		State:	Zip Code: -
	Business Phone:		ext.	Fax:
	Name:			
	Mailing Address:			
	City/Town:		State:	Zip Code: -
	Business Phone:		ext.	Fax:
	Please enter a sheet(s) to the	a check mark, if additiona is sheet with the required	I sheets are necessa I information as supp	ary. If so, label and attach additional lied above.

DEP-APP-008

	Limited Partne	rship			
1.	General Partners:				
	Name:				
	Mailing Address:				
	City/Town:		State:	Zip Code: -	
	Business Phone:		ext.	Fax:	
	Name:				
	Mailing Address:				
	City/Town:		State:	Zip Code: -	
	Business Phone:		ext.	Fax:	
	Name:				
	Mailing Address:				
	City/Town:		State:	Zip Code: -	
	Business Phone:		ext.	Fax:	
	Please enter a sheet(s) to this	a check mark, if ad s sheet with the re	ditional sheets are nece quired information as su	ssary. If so, label and attach a pplied above.	dditional
2.	Limited Partners:				
	Name:				
	Mailing Address:				
	City/Town:		State:	Zip Code: -	
	Business Phone:		ext.	Fax:	
	Name:				
	Mailing Address:				
	City/Town:		State:	Zip Code: -	
	Business Phone:		ext.	Fax:	
	Name:				
	Mailing Address:				
1	City/Town:		State:	Zip Code: -	
1	Business Phone:		ext.	Fax:	
	Please enter a sheet(s) to th	a check mark, if ad is sheet with the re	ditional sheets are nece equired information as s	essary. If so, label and attach a upplied above.	dditional

DEP-APP-008

3 of 5

	· · · · · · · · · · · · · · · · · · ·				
1.	General Partners:				
	Name:				
	Mailing Address:				
	City/Town:			State:	Zip Code: -
	Business Phone:		-	ext.	Fax:
	Name:				
	Mailing Address:				
	City/Town:			State:	Zip Code: -
	Business Phone:		-	ext.	Fax:
	Name:				
	Mailing Address:				
	City/Town:			State:	Zip Code: -
	Business Phone:		_	ext	Fax:
	Name:				
	Mailing Address:				
	City/Town:			State:	Zip Code: -
	Business Phone:			ext.	Fax:
	Name:				
	Mailing Address:				
	City/Town:			State:	Zip Code: -
	Business Phone:		-	ext.	Fax:
	Name:				
	Mailing Address:				
	City/Town:			State:	Zip Code: -
	Business Phone:		-	ext.	Fax:
	Name:				
	Mailing Address:			. <i>10</i>	
	City/Town:			State:	Zip Code: -
	Business Phone:		-	ext.	Fax:
	Please enter a sheet(s) to this	check r sheet	mark, if additional s with the required in	heets are necessary	 If so, label and attach additional ad above.

General Partnership

DEP-APP-008

List authorized pers	ons of associat	ion or list all members of a	association.	
Name:				
Mailing Address:				
City/Town:		State:	Zip Code: -	
Business Phone:		ext.	Fax:	
Name:				
Mailing Address:				
City/Town:		State:	Zip Code: -	
Business Phone:		ext.	Fax:	
Name:				
Mailing Address:				
City/Town:		State:	Zip Code: -	
Business Phone:		ext.	Fax:	
Name:				
Mailing Address:				
City/Town:		State:	Zip Code: -	
Business Phone:		ext.	Fax:	
Name:				
Mailing Address:				
City/Town:		State:	Zip Code: -	
Business Phone:	. -	ext.	Fax:	

□ Individual or Other Business Type

1.	Nam	ie:				
	Maili	ing Address:				
	City/	Town:			State:	Zip Code: -
	Busi	ness Phone:	-	-	ext.	Fax:
2.	State other names by which the applicant is known, including business names. Name:					
				mark, if additional s t with the required in		y. If so, label and attach additional ed above.

DEP-APP-008

Voluntary Association

5 of 5

> Appendix B CERTIFICATIONS

PREPARER'S CER	
Project:	Wind Prospect
Project Location:	178 New Haven Road
	Prospect, Connecticut
Permittee:	BNE Energy
	29 South Main Street
	Town Center Suite 200
	West Hartford, CT 06107
	(800) 450-0503
<u> </u>	
Contractor:	To Be Determined
Preparer:	Shane Smith, PE
	Zapata Incorporated
	6302 Fairview Road, Suite 600
	Charlotte, North Carolina 28210
Phone:	704-358-8240
Fax:	704-358-8342

Certification Statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:	
	Shane Smith, PE
Company:	
	Zapata Incorporated
Title:	
	Civil Engineer
Signature:	
Date:	

Project:	Wind Prospect	
Ducient I continue	178 New Haven Road	
Project Location:	Prospect, Connecticut	
Contractor:		
Address:		
Phone:		
Fax:		

CONTRACTOR / CO-PERMITTEE CERTIFICATION

Certification Statement:

I certify by my signature below that I participated in a pre-construction conference with the individual who is responsible for the operational control of this Stormwater Pollution Prevention Plan (SWPPP). I accept the terms and conditions of this SWPPP as required by the general National Pollutant Discharge Elimination System issued to the Owner/Operator of the construction activity for which I have been contracted to perform construction related professional services. Further, by my signature below, I understand that I am becoming a Copermittee with the Owner/Operator and other contractors that have become Copermittees to the general NPDES permit issued to the Owner/Operator of the facility for which I have been contracted to perform professional construction services. As a Copermittee, I understand that I, and my company, as the case may be, am legally accountable to the Connecticut Department Environmental Protection to ensure compliance with the terms and conditions of this SWPPP. I also understand that DEP enforcement actions may be taken against any specific Copermittee or combination of Copermittees if the terms and conditions of this SWPPP are not met. Therefore, having understood the above information, I am signing this certification and am receiving Copermittee status to the aforementioned general NPDES permit.

Company Official's Signature:

Name:		Title:		
	(Please print)		(Please print)	
Signature:		Date:		

Project:	Wind Prospect	
	178 New Haven Road	
Project Location:	Prospect, Connecticut	
Contractor:		
Address:		
Phone:		
Fax:		

CONTRACTOR / OPERATOR CERTIFICATION

Certification Statement:

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015 10 of 24 Connecticut General Statutes, and in accordance with any other applicable statute. I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements.

Corporate Official's Signature:

Name:		Title:		
	(Please print)		(Please print)	
Signature:		Date:		

INSPECTOR CERT		
Project:	Wind Prospect	
During the stimu	178 New Haven Road	
Project Location:	Prospect, Connecticut	
Contractor:		
Address:		
Phone:		
Fax:		

INSPECTOR CERTIFICATION

Certification Statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

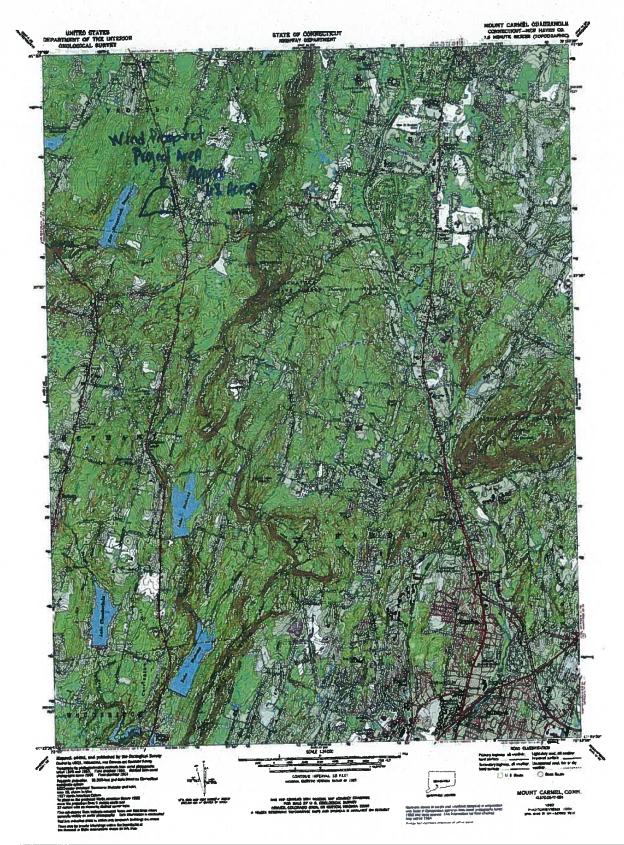
Inspector's Signature:

Name:		Title:		
	(Please print)		(Please print)	
Signature:		Date:		

Appendix C PRE-CONSTRUCTION MEETING

Although a pre-construction meeting is not a requirement for this CGP, a meeting will be conducted. A copy of this documentation should be kept in this appendix.

Appendix D MAPS AND DRAWINGS



Project No.: 1355

Latitude and Longitude

Applicant Name: (as indicated on the Permit Application Transmittal Form) Method of latitude and longitude determination (check one):

Clobal Positioning System (GPS)

😰 Other (please specify) Google Earth

In the table below, label each point for which latitude and longitude were measured, being consistent with identification numbers assigned throughout the application (e.g., 100, 101, etc.). For renewals or modifications of existing permits, please provide the existing permit number. Also provide: a brief description of the point (e.g., monitoring well, pipe outlet, air stack, etc.); latitude and longitude in degrees, minutes and seconds (e.g., 41E 16' 28''); and the name of the USGS quadrangie map(s) the points described are located on.

Por DEP Uno Date: Other				
Condition Name				
Langinida	72°58'20" W			5
(tations	41°28'31" N		-	
pos jihoo	Property Centerpoint 41°28'31" N 72°58'20" W		24	
Preside				
	-			

Project No.: 1355

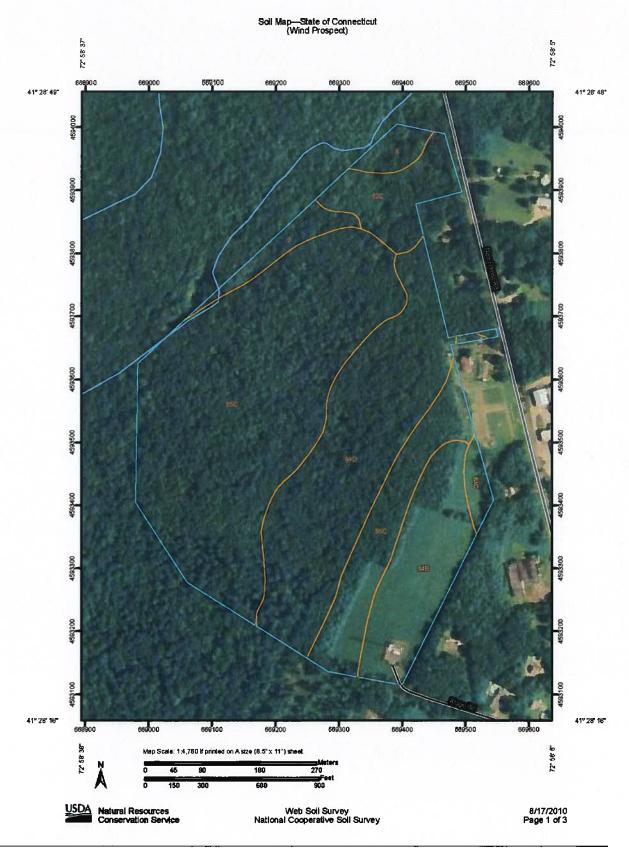
Rev. 12/10/99

1011

DEP-APP-003

Page D-2

Zapata Incorporated November 2010



Project No.: 1355

Wind Prospect

Map Unit Legend

State of Connecticut (CT600)				
Map Unit Symbol	Map Unit Name	Acres In AOI	Percent of AOI	
3	Ridgebury, Leicester, and Whitman soils, extremely stony	3.5	4.4%	
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	4.9	6.1%	
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	8.9	11.1%	
84C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes	1.0	1.3%	
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	19.7	24.6%	
85C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes, very stony	42.0	52.5%	
Totals for Area of Intere	st	80.0	100.0%	



Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey 8/17/2010 Page 3 of 3

GENERAL, NOTES

С

B

 CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORRAMES WITH OSH STANDARDS, LOCAL REDUIREMENTS AND GOVERNMENT REQUIREMENTS.

1

- AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH DIPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE SIX MICES OF TOPSOIL AND SHALL BE SEEDED, UNLESS OTREMES NOTED.
- Upon Award of Contract, contractor shall wake NECESSARY Construction Notifications and Apply for and cotian accessary permits, pay fees, and post bonds associated with the Work indicated on the orbiting, in the specifications, and in the contract documents.
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE INDICATED.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SMALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S DIFFUSE AS SOON AS PRACTICABLE.
- 8. IN THE EVENT THAT SUSPECTED CONTAMINATED SOLS ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIMIES BASED ON VISUAL, LIFACTORY, OR OTHER EVIDENCE, THE DONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT INITERAL TO AUDID FUTTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- Contractor Shall prevent dust, sediment, and debris from duting the site and shall be responsible for cleanar, repairs and corrective action if such occurs, contractor shall dispose of debris in accordance with applicable Federal, style, and local regulators, ordinances, and statutes.
- 8. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR.
- CONTRACTOR SHALL CONTROL STORMMATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF STE AREAS, AND SHALL BE RESPONSIBLE TO REPARE RESULTING DUMIGES, IF ANY ALL PAYEIRM, DTCHES, CURB AND GUTTER, UTILITIES, DRIVEWAYS, SIDEMALKS, SIGNS, FENCES, ETC. DISTURBLED DURING CONSTRUCTION SHALL BE REPARED AND/OR RESTORED.
- 10. ALL ON SITE VEHICLE TRANSPORTATION ROUTES SHALL BE TEMPORARILY STABLIZED WITH STOME MANEDIATELY AFTER GRADING TO PROVIDE READY ACCESS FOR EMERGENCY VEHICLES TO TRAVEL THROUGH AND AROUND THE CONSTRUCTION SITE DURING BOTH ORY AND WET WEATHER.
- 11. EXCESS EXCAVATION INVERTIAL SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR OR IN ON SITE AREAS APPROVED BY THE ORNER. NO SPOLS SHALL BE STORED ON SITE DEVINO SUBSTANTIAL COMPLETION.
- 12. DEWATERING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

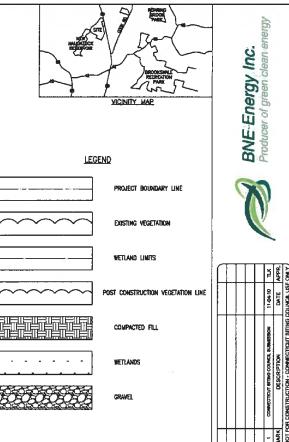
 Contractor is responsible for the coordination and sequencing of deliacition as described by these documents and specifications. Contractor is to obtain all permits.

2

- 14. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DEMOUTION OR RELOCATION WITH APPLICABLE UTILITY COMPANES, IE, GAS, CABLE, POWER, TELEPHONE, WATER, SEWER, ETC.
- 15. EQUIPMENT OPERATION, ACTIVITIES, OR PROCESSES PERFORMED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL FEDERAL AND STATE AIR EMISSION AND PERFORMANCE LAWS AND STANDARDS.
- CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING CONSTRUCTION.
- BURNING WILL NOT BE ALLOWED ON THE PROJECT STE UNLESS AUTHORIZED IN WRITING BY THE OWNER. THE SPECIFIC TIME, LOCATION AND BANNER OF BURNING SHALL BE SUBJECT TO APPROVAL.
- 18. SOLD WASTES (EXCLIDING CLEARING DEBRIS) SHALL BE PLACED IN CONTAINERS WHECH ARE EMPTIED ON A REGULAR SCHEDULE. HANDLING, STRARE, AND DISPOSAL SHALL BE CONDUCTED TO PREVENT CONTAINMENT. SEPREGATION MERSURES SHALL BE EXPLOYED SO THAT NO HAZARDOUS OR TOXIC WASTE WILL BECOME CO-JUNGLED WITH SOLD WHITE. THE CONTRACTOR SHALL TRANSPORT SOLD WITH SOLD WASTE. THE CONTRACTOR SHALL TRANSPORT SOLD WASTE OF SITE AND DISPOSE OF IT IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS FOR SOLD WASTE DEPOSAL A SUBMITE D RCRA PREMITED LANDFLL SHALL BE THE MINIAUM ACCEPTABLE OFFSITE SOLD WASTE DEPOSAL OFFON. THE CONTRACTOR SHALL VERIFY THAT THE SELECTED TRANSPORTERS AND DISPOSAL FACILITIES HAVE THE MEDSSAMY PREMISS AND LOCARES TO OPERATE. THE CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE AND LOCAL LINIS AND REGULATIONS PERTAINING TO THE USE OF LANDFLL AREAS.
- 19. PROR TO COMMENCING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHULL MARK THE AREAS THAT NEED NOT BE INSTRUBED UNDER THIS CONTRACT, SOLATED AREAS WITHIN THE GENERAL WORK AREA WHICH ARE NOT TO BE DISTURBED SHALL BE MARKED OR FENCED, MONUMENTS AND MARKERS SHALL BE PROTECTED BETORE CONSTRUCTION OPERATIONS COMMENCE.
- 20. THE CONTRACTOR SHALL MONITOR CONSTRUCTION ACTIVITIES TO PREVENT POLLITION OF SURFACE AND GROUND WATERS AND SHALL COMPLY WITH THE CLEAN WATER ACT SECTION 404 REGULATIONS.
- 21. CONTRACTOR SHALL ESTABLISH AND VERIFY POINT OF BEGINNING (P.O.B) AND STAKE SITE AS INDICATED ON CONSTRUCTION DOCUMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION, NOTIFY THE ONCIMER MANEBAYELY OF ANY DISCREPANCES.
- 22. ALL DIMENSIONS ARE TO BACK OF CURB, FACE OF BUILDING, OR CENTERLINE UNLESS OTHERWISE NOTED.
- 23. ALL DETAILS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH SPECIFICATIONS AND CONSTRUCTION DOCUMENTS.



5



LAYOUT AND MATERIALS MOTES

- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAREMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAYDAGENTS AND DOSTING GROUND ELEVATIONS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
- 2. SYNGROLS AND LEOENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARLY SCALED TO THEIR ACTUAL DIARNESIONS OR LOCATIONS ON THE DRAWINGS, THE CONTRACTOR SHALL REFER TO THE DETAIL SKEET OMINISKINS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS, AND FEDD MASUREMENTS OF SUPPLED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE ORTHANED FROM THE DESIGNERS BUT SHALL VERBY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.

AREA TO BE CLEARED: 217240 SQ. FT. / 4.99 ACRES AREA TO BE DISTURBED: 364168 SQ. FT. / 8,36 ACRES AREA WITHIN 100' WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES

THIS PROJECT WILL HAVE NO TELEPORARY DIRECT WETLAND IMPACT. APPROPRIATE INTIGATION PROCEDURES AND REQUIRED PERMITS WILL BE OBTAINED PRIOR TO CONSTRUCTION.



Area 1 \approx 5.5 AC 2 ~ 7.0 AC 3 2 6 5 AL 4 ≈ 49.0 AC

1D. ALL PAVEMENT CUTS, CONCRETE OR ASPMALT, ARE TO BE REPLACED ACCORDING TO STANDARDS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION. 11. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926, SUBPART P, OR AS AMENDED.

CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.

8. ALL EROSION CONTROL STRUCTURES TO BE INSTALLED PRIOR TO CONSTRUCTION.

7. MASS GRADING WILL NOT BE CONDUCTED ON THIS SITE.

6. GENERAL CONTRACTOR TO ENSURE POSITIVE ORAINAGE AWAY FROM TOWER PADS.

All grades shown on plans to be field-verified by the contractor pror to construction. Should any discrepancies exist, notify the engineer prior to construction.

5. ALL SURFACES SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS.

1

GRADING NOTES:

D

С

z

3

LOCATION TWO SHEET C-303

SHEET C-302

14.

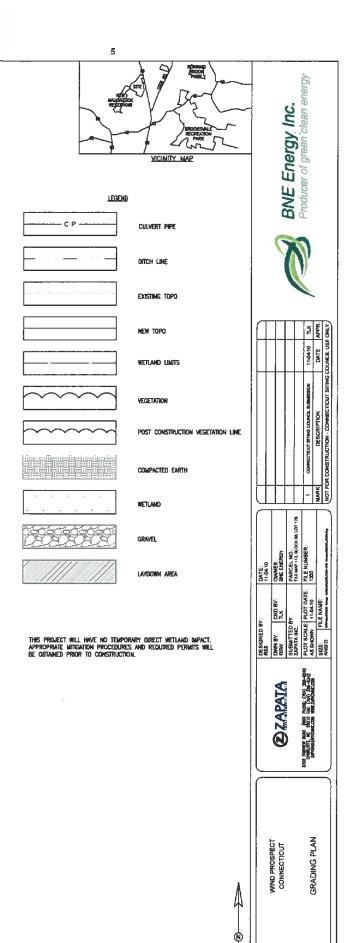
LOCATION O

4

2

1. DISCREPANCIES SHOULD BE NOTED AND GUIDANCE OBTAINED FROM THE ENGINEER PRIOR TO CONTINUING WORK. 2. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING ALL EXISTING UNDERGROUND UTILITIES.

3. GENERAL CONTRACTOR TO MONITOR STORM WATER RUNOFF DURING AND AFTER CONSTRUCTION TO ENSURE PROPER DRAINAGE.



SHEET IDENTIFICATION C-300

Appendix E CONSTRUCTION RECORDS

During the construction of the project, a log should be kept that documents the specific activities, relative to this plan, that happen on the site. This should include when BMPs (controls) are installed and when construction of facilities is initiated.

INSPECTOR CERTIFICATION

Project:	Wind Prospect
D ' (T -4'	178 New Haven Road
Project Location:	Prospect, Connecticut
Contractor:	
Address:	
Phone:	
Fax:	

CONSTRUCTION ACTIVITIES / EROSION & SEDIMENT CONTROLS INSTALLATION LOG

Completion	Construction Activity or E&SC Controls Installed	Operator	
Date	Læse controis instaned	Operator	
	Completion Date		

Appendix F
INSPECTION AND MAINTENANCE RECORDS

INSPECTOR CERTIFICATION

Project:	Wind Prospect
Project Location:	178 New Haven Road
Floject Location.	Prospect, Connecticut
Contractor:	
Address:	
Phone:	
Fax:	

CONSTRUCTION INSPECTION & MAINTENANCE LOG

Date	Activity	Description	(1) Report No.
	InspectionMaintenance	Ву:	
	 Inspection Maintenance 	Ву:	
	InspectionMaintenance	Ву:	
	 Inspection Maintenance 	Ву:	
	 Inspection Maintenance 	Ву:	
	 Inspection Maintenance 	Ву:	
	InspectionMaintenance	By:	

CONSTRUCTION SITE	NSPECTION REPORT	[
General Information					
Project Name:	Wind Prospect	-			
Location:	178 New Haven Road				
	Prospect, Connecticut				
CT DEP Tracking No.			oort No.		
Date of Inspection:		Start / End Time:			
Inspector's Name(s):					
Inspector's Title(s):					
Inspector's Contact Information:					
Describe present phase of construction:					
Type of Inspection:	rm event 🔲 During s	torm event	Post-storm) event	
Regular Pre-storm event During storm event Post-storm event					
Has it rained since the las	st inspection?				
If yes, provide:					
Storm Start Date & Time	: Storm Dura	tion (hrs):	Ap	proximate Rainfall	
(in):					
Weather at time of this inspection?					
Discharge Information (A)					
Do you suspect that discharges may have occurred since the last inspection? Yes No					
Are there any discharges at the time of inspection? Yes INO					
Describe location of any discharges from the site:					

(B)	BMP Description	BMP Installed and Operating Properly?	Corrective Action Needed	Date for corrective action / responsible party
1		□Yes □No		
2		□Yes □No		
3		□Yes □No		
4		□Yes □No		
5		□Yes □No		
6		□Yes □No		
7		□Yes □No		
8		□Yes □No		
9		□Yes □No		
10		□Yes □No		
11		□Yes □No		
12		□Yes □No		
13		□Yes □No		
14		□Yes □No		
15		□Yes □No		
16		□Yes □No		
17		□Yes □No		
18		□Yes □No		
19		□Yes □No		

SITE-SPECIFIC BMPs

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	□Yes □No	□Yes □No	ACTOR	person
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	□Yes □No	□Yes □No		
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	□Yes □No	□Yes □No		
4	Are discharge points and receiving waters free of sediment deposits?	□Yes □No	□Yes □No		
5	Are storm drain inlets properly protected?	□Yes □No	□Yes □No		
6	Is there evidence of sediment being tracked into the street?	□Yes □No	□Yes □No		
7	Is trash/litter from work areas collected and placed in covered	□Yes □No	□Yes □No		

OVERALL SITE ISSUES

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible person
8	dumpsters? Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	□Yes □No	□Yes □No		
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	□Yes □No	□Yes □No		
10	Are materials that are potential stormwater contaminants stored inside or under cover?	□Yes □No	□Yes □No		
11	Are non- stormwater discharges (e.g., wash water, dewatering) properly controlled?	□Yes □No	□Yes □No		
12	(Other)	□Yes □No	□Yes □No		

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible person
13	(Other)	□Yes □No	□Yes □No		

GENERAL INSPECTION COMMENTS AND EXPLANATION

General Inspection Comments (D)
Is other descriptive information attached to this inspection report?

Plan Information (E)

Were all current plan BMP's in place at the time of inspection?

□Yes □No

Are additional BMP's required?

YesNo

Does the plan need to be updated? QYes QNo

Explanation of additional BMP and Plan update requirements:

Certification statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:	
(Please print)	
Signature:	
Title:	Date:

CONSTRUCTION SITE	MAINTENANCE REPO	ORT			
General Information			243		
Project Name:	Wind Prospect				
Location:	178 New Haven Road				
	Prospect, Connecticut				
CT DEP Tracking No.:		(1) Report	No.		- <u>-</u>
Date of Maintenance:		Start / End Time:			
Describe present phase					
of construction:					
Type of Maintenance:					
Regular Pre-stor	rm event 🛛 Post-stor	m event 🖸 Pla	n Updat	te	
Maintenance Information					
Inspection Report	Maintenance performe	d:			
Reference (No., Item)					
Performed by:					
Inspection Report	Maintenance performe	d:			
Reference (No., Item)					
Performed by:					
Inspection Report	Maintenance performe	d:			
Reference (No., Item)					
					
Performed by:					
Inspection Report	Maintenance performe	d:			
Reference (No., Item)					
Performed by:					
Inspection Report	Maintenance performe	d:			
Reference (No., Item)					
Performed by:					

Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	
Inspection Report Reference (No., Item)	Maintenance performed:
Performed by:	

Certification statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:	
Signature:	
Title:	Date:

Appendix G
HAZARDOUS MATERIAL OR OIL SPILL RECORDS

HAZARDOUS SUBSTA	NCE/OIL SPILL DISC	CHARGE EVENT	
General Information			
Project Name:	Wind Prospect		
Location:	178 New Haven Roa Prospect, Connecticu		
CT DEP Tracking No.:		(2) Discharge Re	port No.
Date of Event:		Time of Event:	
Responsible Party:			
Substance Discharged:	والمرواب والمراجع والمراجع		
Description of Event			
Is other descriptive infor			
Control and Containment	t Measures Implemente	ed	

Counter Measures Proposed

Does the SWPPP need to be updated? Yes DNo

Explanation of additional BMP and SWPPP update requirements:

Certification statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:	
Signature:	
Company:	
Title:	Date:

Appendix H
UPDATE RECORDS

TELL CIEILE ELECT			
General Information			, 실험 그 가지 않는 것 같은 것 같은 것
Project Name:	Wind Prospect		
Location:	178 New Haven Road	d	
	Prospect, Connecticu		
CT DEP Tracking No.		Revision No.	
Section:		Date:	
Description of Revision			
Reason for Revision			
Revision Requested By:	□ Inspection	□ Maintenance	□ Agency Inspection
□ Other:	1		

PLAN UPDATE DESCRIPTION

PLAN UPDATE LOG

Revision No.	Description -	
Section: By:	Date of Revision :	
Revision No.	Description -	
Section:	Date of Revision :	
By:		

Revision No.	Description -
Section:	Date of Revision :
Section.	
By:	
<i>2y</i> .	
Revision No.	Description -
Section:	Date of Revision :
D	
By:	
Revision No.	Description -
Kevision No.	
Section:	Date of Revision :
D	
By:	

Certification statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:		
Signature:		
Company:		
Title:	Date:	
Zapata Incorporated November 2010		Project No.: 1355
November 2010	Page H-2	

Appendix I CT DEP NOTICE OF TERMINATION (NOT)



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form

Please complete and submit this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your termination. Print or type unless otherwise noted.

Note: Ensure that for commercial and industrial facilities, registrations under the General Permit for the Discharge of Stormwater Associated with Industrial Activity (DEP-PED-GP-014) or the General Permit for the Discharge of Stormwater from Commercial Activities (DEP-PED-GP-004) have been filed where applicable. For questions about the applicability of these general permits, please call the Department at 860-424-3018.

Part I: Registrant Information

1.	Permit number: GSN			
2.	Fill in the name of the	registrant(s) as indicate	d on the registration certific	ate:
	Registrant:			
3.	Site Address:			
	City/Town:		State:	Zip Code:
4.	 Date all storm drainage structures were cleaned of construction sediment: 			
	Date of Completion of	Construction:		
	Date of Last Inspection (must be at least three months after final stabilization pursuant to Section 6(b)(6)(D) of the general permit):			
5.	Check the post-constr	ruction activities at the s	ite (check all that apply):	
	Industrial	Residential	Commercial	Capped Landfill
	Other (describe):			

Part II: Certification

"I have personally examined and am familiar with the information s thereto, and I certify that, based on reasonable investigation, inclu for obtaining the information, the submitted information is true, acc knowledge and belief. I understand that a false statement made in punishable as a criminal offense, in accordance with Section 22a- to Section 53a-157b of the Connecticut General Statutes, and in a	ding my inquiry of those individuals responsible curate and complete to the best of my this document or its attachments may be 6 of the Connecticut General Statutes, pursuant
Signature of Permittee	Date
Name of Permittee (print or type)	Title (if applicable)

Note: Please submit this Notice of Termination Form to:

STORMWATER PERMIT COORDINATOR BUREAU OF WATER MANAGEMENT DEPARTMENT OF ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

Bureau of Water Management DEP-PED-NOT-015

1 of 1

Rev. 04/08/04

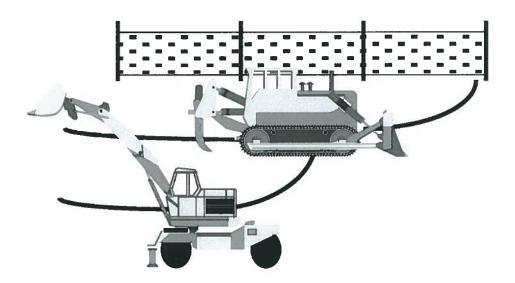
Appendix J

CONNECTICUT GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES (DEP-PED-GP-015)



STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE WATER PERMITTING & ENFORCEMENT DIVISION 860-424-3018

General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities



Issuance Date: April 9, 2010 Expiration Date: October 1, 2011

Printed on recycled paper

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Table of Contents

Section 1.	Authority		
Section 2.	Definitions3		
Section 3.	3. Authorization Under This General Permit		
	(a)	Eligible Activities	
	(b)	Requirements for Authorization	
	(c)	Registration	
	(d)	Small Construction	
	(e)	Geographic Area	
	(f)	Effective Date and Expiration Date of this General Permit7	
	(g)	Effective Date of Authorization	
	(h)	Revocation of an Individual Permit7	
	(i)	Issuance of an Individual Permit7	
Section 4.	Reg	istration Requirements	
	(a)	Who Must File a Registration	
	(b)	Scope of Registration	
	(c)	Contents of Registration	
	(d)	Where to File a Registration	
	(e)	Additional Information10	
	(f)	Additional Notification	
	(g)	Action by Commissioner	
Section 5.	Ter	Termination Requirements	
	(a)	Notice of Termination	
	(b)	Termination Form	
	(c)	Where to File a Termination Form	
Section 6.		ditions of this General Permit12	
	(a)	Conditions Applicable to Certain Discharges	
	(b)	Stormwater Pollution Control Plans	
	(c)	Reporting and Record Keeping Requirements	
	(d)	Regulations of Connecticut State Agencies Incorporated into this General Permit21	
	(e)	Reliance on Registration	
	(f)	Duty to Correct and Report Violations	
	(g)	Duty to Provide Information	
	(h)	Certification of Documents	
	(i)	Date of Filing	
	()	False Statements	
	(k)	Correction of Inaccuracies	
	(1)	Transfer of Authorization	

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

Section 6.	Conditions of this General Permit (continued)	
	(m) Other Applicable Law	23
	(n) Other Rights	
Section 7.	Commissioner's Powers	
	(a) Abatement of Violations	
	(b) General Permit Revocation, Suspension, or Modification	23
	(c) Filing of an Individual Application	

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Section 1. Authority

This general permit is issued under the authority of Section 22a-430b of Connecticut General Statutes.

Section 2. Definitions

The definitions of terms used in this general permit shall be the same as the definitions contained in Section 22a-423 of the Connecticut General Statutes and Section 22a-430-3(a) of the Regulations of Connecticut State Agencies. As used in this general permit, the following definitions shall apply:

"Authorized activity" means any activity authorized under this general permit.

"Coastal area" means coastal area as defined in Section 22a-93(5) of the Connecticut General Statutes.

"Coastal waters" means coastal waters as defined in Section 22a-29 of the Connecticut General Statutes.

"Commissioner" means commissioner as defined in Section 22a-2(b) of the Connecticut General Statutes.

"Construction activities" means activities including but not limited to clearing and grubbing, grading, excavation, and dewatering.

"Department" means the department of environmental protection.

"Developer" means a person who or municipality which is responsible, either solely or through contract, for the design and construction of a project site.

"Dewatering wastewater" means wastewater generated from the lowering of the groundwater table, the pumping of accumulated stormwater from an excavation, or the pumping of surface water from a cofferdam, or pumping of other surface water that has been diverted into a construction site.

"Disturbance" means the execution of any of the construction activities defined above.

"Erosion" means the detachment and movement of soil or rock fragments by water, wind, ice and gravity.

"Fresh-tidal wetland" means a tidal wetland with an average salinity level of less than 0.5 parts per thousand.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

"Guidelines" means the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, or as may be amended, established pursuant to Section 22a-328 of the Connecticut General Statutes.

"High tide line" means high tide line as defined in Section 22a-359(c) of the Connecticut General Statutes.

"Individual permit" means a permit issued to a named permittee under Section 22a-430 of the Connecticut General Statutes.

"Inland wetland" means wetlands as defined in Section 22a-38 of the Connecticut General Statutes.

"Municipal separate storm sewer" means conveyances for stormwater (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) owned or operated by any municipality and discharging directly to surface waters of the state.

"Municipality" means a city, town or borough of the state.

"Permittee" means any person who or municipality which initiates, creates or maintains a discharge in accordance with Section 3 of this general permit.

"Person" means person as defined in Section 22a-423 of the Connecticut General Statutes.

"Point Source" means any discernible, confined and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged.

"Registrant" means a person who or municipality which files a registration.

"Registration" means a registration form filed with the commissioner pursuant to Section 4 of this general permit.

"Retain" means to permanently hold on-site with no subsequent point-source release as in a detention system where there is a temporary holding or delaying of the delivery of stormwater downstream.

"Sediment" means solid material, either mineral or organic, that is in suspension, is transported, or has been moved from its site of origin by erosion.

"Site" means geographically contiguous land or water on which a authorized activity takes place or on which an activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous land or water owned by the same person and connected by a right-of-way, which such person controls, and to which the public does not have access shall be deemed the same site.

"Soil" means any unconsolidated mineral and organic material of any origin.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

(f) Effective Date and Expiration Date of this General Permit

The modification of this general permit is effective on April 9, 2010, and expires on October 1, 2011.

(g) Effective Date of Authorization

Any activity is authorized by this general permit on the date the general permit becomes effective or on the date the activity is initiated, whichever is later.

(h) Revocation of an Individual Permit

If an activity is eligible for authorization under this general permit and such activity is presently authorized by an individual permit, the existing individual permit may be revoked by the commissioner upon a written request by the permittee. If the commissioner revokes such individual permit in writing, such revocation shall take effect on the effective date of authorization of such activity under this general permit.

(i) Issuance of an Individual Permit

If the commissioner issues an individual permit under Section 22a-430 of the Connecticut General Statutes, authorizing an activity authorized by this general permit, this general permit shall cease to authorize that activity beginning on the date such individual permit is issued.

Section 4. Registration Requirements

(a) Who Must File a Registration

With the exception noted below or in Section 3(d) of this general permit, any person who or municipality which initiates, creates, originates or maintains a discharge described in Section 3(a) of this general permit shall file with the commissioner a registration form that meets the requirements of Section 4 of this general permit along with the applicable fee at least thirty (30) days before the initiation of construction activities.

If a site has been previously registered under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued October 1, 1997 or October 1, 2002 and modified April 8, 2004, the permittee does *not* need to submit a new registration under this general permit, unless the ownership of the site has been transferred.

If the site for which a registration is submitted under this permit is owned by one person or municipality but is leased or, in some other way, the legal responsibility of another person or municipality (the developer), the developer is responsible for submitting the registration required by this permit. The registrant is responsible for compliance with all conditions of this permit.

(b) Scope of Registration

A registrant shall register on one registration form only those discharges that are operated by such permittee on one site.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

(c) Contents of Registration

- (1) Fees
 - (A) The registration fee of \$625.00 shall be submitted with a registration form, provided that the registration fee for a municipality shall be \$312.50. A registration shall not be deemed complete and no activity shall be authorized by this general permit (with the exception of activities previously registered under the general permit issued October 1, 1997 or October 1, 2002 and modified April 8, 2004), unless the registration fee has been paid in full.
 - (B) Registrants required to submit a stormwater pollution control plan (Plan) in accordance with Section 6(b)(3)(C) of this permit shall pay an additional plan review fee of \$625.00 with the submittal of the Plan, the registration form and registration fee, provided that the plan review fee for a municipality shall be \$312.50.
 - (C) The registration fee and plan review fee shall be paid by check or money order payable to the **Department of Environmental Protection**.
 - (D) The registration fee and plan review fee are non-refundable.

(2) Registration Form

A registration shall be filed on forms prescribed and provided by the commissioner and shall include the following:

- (A) Legal name, address, and telephone number of the registrant. If the registrant is a person (as defined in Section 2) transacting business in Connecticut and is registered with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.
- (B) Legal name, address and telephone number of the owner of the property on which the activity will take place.
- (C) Legal name, address and telephone number of the primary contact for departmental correspondence and inquiries, if different from the registrant.
- (D) Legal name, address and telephone number of the developer of the property on which the subject activity is to take place.
- (E) Legal name, address and daytime and off-hours telephone numbers of the general contractor or other representative, if different from the developer.
- (F) Legal name, address and telephone number of any consultant(s) or engineer(s) retained by the permittee to prepare the registration and Stormwater Pollution Control Plan.
- (G) Location address or description of the site with respect to which the registration is submitted.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

- (H) The estimated duration of the construction activity.
- (I) A brief description of the construction activity, including, but not limited to:
 - (i) Number of acres disturbed.
 - (ii) Assurance that construction is in accordance with the Guidelines and local erosion and sediment control ordinances.
 - (iii) A determination of whether or not a coastal consistency review is necessary for the activity.
 - (iv) Assurance that there are no endangered or threatened species suspected or known to be impacted by the activity.
- (J) A brief description of the stormwater discharge, including:
 - (i) The name of the municipal separate storm sewer system or immediate surface water body or wetland to which the stormwater runoff discharges, and whether or not the site discharges within 500 feet of a tidal wetland.
 - (ii) The name of the watershed or nearest waterbody to which the site discharges.
- (K) An 8 ½" by 11" copy of the relevant portion or a full-sized original of a United States Geological Survey (USGS) quadrangle map, with a scale of 1:24,000, showing the exact location of the site and the area within a one mile radius of the site. Identify the quadrangle name on such copy.
- (L) For all sites that will disturb 10 acres or more (regardless of phasing), a copy of the Stormwater Pollution Control Plan shall be submitted (with the \$625.00 plan review fee) in accordance with Section 6(b)(3)(C) of this general permit.
- (M) The signature of the registrant and of the individual or individuals responsible for actually preparing the registration, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

Connecticut General Statutes, and in accordance with any other applicable statute.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

(N) The following certification must be signed by a professional engineer, licensed to practice in Connecticut:

"I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and on my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

(d) Where to File a Registration

A registration shall be filed with the commissioner at the following address:

CENTRAL PERMIT PROCESSING UNIT DEPARTMENT OF ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

(e) Additional Information

The commissioner may require a registrant to submit additional information that the commissioner reasonably deems necessary to evaluate the consistency of the subject activity with the requirements for authorization under this general permit.

(f) Additional Notification

For discharges through a municipal separate storm sewer system authorized by this general permit, a copy of the registration shall also be submitted to the owner and operator of that system.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

For discharges within a public drinking water supply watershed or aquifer area, a copy of the registration and the Plan described in Section 6(b) of this general permit shall be submitted to the water company.

In addition, a copy of this registration and the Plan shall be available upon request to the local wetlands agency or its equivalent, or its duly authorized agent.

(g) Action by Commissioner

- (1) The commissioner may reject without prejudice a registration if he determines that it does not satisfy the requirements of Section 4(c) of this general permit or more than 30 days have elapsed since the commissioner requested that the registrant submit additional information or the required fee and the registrant has not submitted such information or fee. Any registration refiled after such a rejection shall be accompanied by the fee specified in Section 4(c)(1) of this general permit.
- (2) The commissioner may disapprove a registration if he finds that the subject activity is inconsistent with the requirements for authorization under Section 3(b) of this general permit, or for any other reason provided by law.
- (3) Disapproval of a registration under this subsection shall constitute notice to the registrant that the subject activity must be authorized under an individual permit.
- (4) Rejection or disapproval of a registration shall be in writing.

Section 5. Termination Requirements

(a) Notice of Termination

At the completion of a construction project registered pursuant to Section 4 of this general permit, a Notice of Termination must be filed with the commissioner. A project shall be considered complete after the site has been stabilized for at least three months following the cessation of construction activities. A site is not considered stabilized until there is no active erosion or sedimentation present and no disturbed areas remain exposed.

(b) Termination Form

A termination notice shall be filed on forms prescribed and provided by the commissioner and shall include the following:

- (1) The permit number as provided to the permittee on the permit certificate.
- (2) The name of the registrant as reported on the general permit registration form (DEP-PED-REG-015).
- (3) The address of the completed construction site.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

- (4) The date all storm drainage structures were cleaned of construction debris pursuant to Section 6(b)(6)(C)(iv) of this general permit, the date of completion of construction, and the date of the final inspections pursuant to Section 6(b)(6)(D) of this general permit.
- (5) A description of the post-construction activities at the site.
- (6) Signature of the permittee.

(c) Where to File a Termination Form

A termination form shall be filed with the commissioner at the following address:

WATER PERMITTING & ENFORCEMENT DIVISION BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE DEPARTMENT OF ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

Section 6. Conditions of this General Permit

The permittee shall at all times continue to meet the requirements for authorization set forth in Section 3 of this general permit. In addition, a permittee shall assure that authorized activities are conducted in accordance with the following conditions:

(a) Conditions Applicable to Certain Discharges

- (1) Any person who or municipality that discharges stormwater into coastal tidal waters for which a permit is required under either the Structures and Dredging Act in accordance with Section 22a-361 of the Connecticut General Statutes or the Tidal Wetlands Act in accordance with Section 22a-32 of the Connecticut General Statutes, shall obtain such permit(s) from the commissioner. A tidal wetland permit is required for the placement of any sediment upon tidal wetland, whether it is deposited directly or indirectly.
- (2) Any site which has a post-construction stormwater discharge that is located less than 500 feet from a tidal wetlands which is not a fresh-tidal wetland, shall discharge such stormwater through a system designed to retain the volume of stormwater runoff generated by 1 inch of rainfall on the site.

(b) Stormwater Pollution Control Plan

A registrant shall develop a Stormwater Pollution Control Plan ("Plan") for each site authorized by this general permit. Once the construction activity begins, the permittee shall perform all actions required by such Plan and shall maintain compliance with the Plan thereafter. The Plan shall be designed to address two components of stormwater pollution: (1) pollution caused by soil erosion and sedimentation during and after construction; and (2) stormwater pollution caused by use of the site after construction is completed, including, but not limited to, parking lots, roadways and the maintenance of grassed areas.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

- (1) Development of Plan
 - (A) The registrant shall develop a Plan for the site. Plans shall be prepared in accordance with sound engineering practices. The Plan shall ensure and demonstrate compliance with the Guidelines.
 - (B) For any stormwater discharges that were permitted under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued October 1, 1997 or October 1, 2002 and modified April 8, 2004, the existing Plan shall be updated in accordance with subsection (b)(6) of this section. The permittee shall maintain compliance with such Plan thereafter.
- (2) Deadlines for Plan Preparation and Compliance

For construction activities authorized by this general permit that are initiated after the date of issuance of this general permit, the registrant shall prepare the Plan no later than thirty days before the date of initiation of the construction activity.

- (3) Signature and Plan Review
 - (A) The Plan shall be signed by the registrant in accordance with Section 6(h) of this general permit. The Plan shall be certified by all contractors and subcontractors in accordance with subsection (b)6(E) of this section.
 - (B) The registrant shall provide a copy of the Plan, and the registration form required in Section 4 of this general permit to the following persons immediately upon request:
 - (i) the commissioner;
 - (ii) the local agency approving sediment and erosion plans, grading plans, or stormwater management plans, and the local official responsible for enforcement of such plans;
 - (iii) in the case of a stormwater discharge through a municipal separate storm sewer system, the municipal operator of the system;
 - (iv) in the case of a stormwater discharge located within a public drinking water supply watershed or aquifer area, the water company.

The registrant shall also provide a copy of the Plan to all contractors or developers conducting construction activities on individual lots or buildings within the overall plan of development, regardless of ownership. These additional contractors or developers shall sign the certification in Section 6(b)(6)(E)(ii).

For all registrants or permittees submitting a Plan in accordance with subsection (b)(3)(B)(i) of this section, a plan review fee of \$625.00 shall be submitted with the Plan.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

- (C) For construction activities that result in the disturbance of ten or more total acres of land area on a site (regardless of phasing), the Plan shall be submitted to the commissioner no later than thirty days before the initiation of construction activities. Plans shall be submitted in conjunction with the registration submitted in compliance with Section 4 of this general permit.
- (D) The commissioner may notify the registrant at any time that the Plan and/or the site do not meet one or more of the minimum requirements of this permit. Within 7 days of such notice, or such other time as the commissioner may allow, the permittee shall make the required changes to the Plan and perform all actions required by such revised Plan. Within 15 days of such notice, or such other time as the commissioner may allow, the permittee shall submit to the commissioner a written certification that the requested changes have been made and implemented and such other information as the commissioner requires, in accordance with Sections 6(g) and 6(h) of this general permit.
- (4) Keeping Plans Current

The permittee shall amend the Plan whenever there is a change in contractors or subcontractors at the site, or a change in design, construction, operation, or maintenance at the site which has the potential for the discharge of pollutants to the waters of the state and which has not otherwise been addressed in the Plan or if the actions required by the Plan fail to prevent pollution.

(5) Failure to Prepare, Maintain or Amend Plan

In no event shall failure to complete, maintain or update a Plan in accordance with subsections (b)(1) and (b)(4) of this section relieve a permittee of responsibility to implement any actions required to protect the waters of the state and to comply with all conditions of the permit, including but not limited to installation and maintenance of all controls and management measures described in subsection (b)(6)(C) of this section and in the Guidelines.

(6) Contents of the Plan

The Plan shall include, at a minimum the following items:

- (A) Site Description
 - (i) A description of the nature of the construction activity;
 - (ii) Estimates of the total area of the site and the total area of the site that is expected to be disturbed by construction activities;
 - (iii) An estimate, including calculations if any, of the average runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

- (iv) A site map indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, the location of major structural and non-structural controls identified in the Plan, the location of areas where stabilization practices are expected to occur, areas which will be vegetated following construction, surface waters (including inland wetlands, tidal wetlands, and fresh-tidal wetlands), and locations where stormwater is discharged to a surface water (both during and post-construction); and
- (v) The name of the immediate receiving water(s) and the ultimate receiving water(s) of the discharges authorized by this general permit and areal extent of wetland acreage on the site.

(B) Construction Sequencing

Each Plan shall clearly identify the expected sequence of major construction activities on the site, including but not limited to installation of erosion and sediment control measures, clearing, grubbing, grading, cut and fill operations, drainage and utility installation, and paving and stabilization operations. This section shall include an estimated timetable for all activities, which shall be revised in accordance with subsection (4) above as necessary. Wherever possible, the site shall be phased to avoid the disturbance of over five acres at one time. The Plan shall clearly show the limits of disturbance for the entire activity and for each phase. Any Plan that shows a site disturbance of over ten acres total (regardless of phasing) requires submittal of the Plan to the commissioner, in accordance with subsection (b)(3)(C) of this section.

(C) Controls

Each Plan shall include a description of appropriate controls and measures that will be performed at the site to prevent pollution of the waters of the state. The Plan shall clearly describe for each major activity identified in subsection (b)(6)(B) of this section, the appropriate control measures and the timing during the construction process that the measures would be implemented. (For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained until final stabilization of those portions of the site upgradient of the perimeter control. Temporary perimeter controls will be removed after final stabilization.) Controls shall be designed in accordance with the Guidelines. Use of controls to comply with subsection (b)(6)(C)(i) of this section that are not included in the Guidelines must be approved by the commissioner or his designated agent. The description of controls shall address the following minimum components:

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

(i) Erosion and Sediment Controls

1) Stabilization Practices

The Plan shall include a description of interim and permanent stabilization practices, including a schedule for implementing the practices. Site plans shall ensure that existing vegetation is preserved where attainable and that disturbed portions of the site are stabilized. Stabilization practices may include but not be limited to: silt fences, temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other vegetative and non-structural measures as may be identified by the Guidelines. Where construction activities have permanently ceased or have temporarily been suspended for more than seven days, or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas that will remain disturbed but inactive for at least thirty days shall receive temporary seeding in accordance with the Guidelines. Areas that will remain disturbed beyond the planting season, shall receive long-term, non-vegetative stabilization sufficient to protect the site through the winter. In all cases, stabilization measures shall be implemented as soon as possible in accordance with the Guidelines. Areas to be graded with slopes steeper than 3:1 (horizontal:vertical) and higher than 15 feet shall be graded with appropriate slope benches in accordance with the Guidelines.

2) Structural Practices

The Plan shall include a description of structural practices to divert flows away from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from the site. Such practices include but may not be limited to earth dikes (diversions), drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, outlet protection, reinforced soil retained systems, gabions, and temporary or permanent sediment basins and chambers. Unless otherwise specifically approved in writing, structural measures shall be installed on upland soils.

At a minimum, for discharge points that serve an area with between 2 and 5 disturbed acres at one time, a sediment basin, sediment trap, or other control as may be defined in the Guidelines for such drainage area, designed in accordance with the Guidelines, shall be designed and installed. All sediment traps or basins shall provide a minimum of 134 cubic yards of water storage per acre drained and shall be maintained until final stabilization of the contributing area. This requirement shall not apply to flows from off-site areas and flows from the

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

site that are either undisturbed or have undergone final stabilization where such flows are diverted around the sediment trap or basin. Any exceptions must be approved in writing by the commissioner.

For discharge points that serve an area with more than five (5) disturbed acres at one time, a sediment basin designed in accordance with the Guidelines, shall be designed and installed, which basin shall provide a minimum of 134 cubic yards of water storage per acre drained and which basin shall be maintained until final stabilization of the contributing area. This requirement shall not apply to flows from off-site areas and flows from the site that are either undisturbed or have undergone final stabilization where such flows are diverted around the sediment basin. Outlet structures from sedimentation basins shall not encroach upon a wetland. Any exceptions must be approved in writing by the commissioner.

3) Maintenance

Maintenance shall be performed in accordance with the Guidelines, provided that, if additional maintenance is required to protect the waters of the state from pollution, the Plan shall include a description of the procedures to maintain in good and effective operating conditions all erosion and sediment control measures, including vegetation, and all other protective measures identified in the site plan.

(ii) Dewatering Wastewaters

Where feasible and appropriate, dewatering wastewaters shall be infiltrated into the ground. Dewatering wastewaters discharged to surface waters shall be discharged in a manner that minimizes the discoloration of the receiving waters. Each plan shall include a description of the operational and structural practices that will be used to ensure that all dewatering wastewaters will not cause scouring or erosion or contain suspended solids in amounts that could reasonably be expected to cause pollution of waters of the State.

(iii) Post Construction Stormwater Management

Each plan must include a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. Unless otherwise specifically provided by the commissioner in writing, structural measures shall be placed on upland soils. This general permit only addresses the installation of stormwater management measures, and not the ultimate operation and maintenance of such structures included in such measures after the construction activities have been completed and the site has

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

undergone final stabilization. The following measures must be implemented:

- For construction activities initiated after October 1, 1992, the 1) permittee shall install post-construction stormwater management measures designed to remove suspended solids and floatables (i.e. oil and grease, other floatable liquids, floatable solids, trash, etc.) from stormwater. A goal of 80 percent removal of total sediment load from the stormwater discharge shall be used in designing and installing stormwater management measures. Such measures may include but are not limited to: stormwater detention structures (including wet ponds); stormwater retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on-site; vegetated buffer strips; sediment removal chambers or structures; and sequential systems (which combine several practices). Provisions shall be included to address the maintenance of any system installed.
- 2) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydrodynamics present prior to the initiation of construction activities).
- 3) Any site which has a post-construction stormwater discharge located less than 500 feet from a tidal wetlands which is not a fresh-tidal wetland, shall discharge such stormwater through a system designed to retain the volume of stormwater runoff generated by 1 inch of rainfall on the site.
- (iv) Other Controls

A description of other controls used at the site. The following controls must be implemented:

1) Waste Disposal

A description of best management practices to be performed at the site, which practices shall ensure that no litter, debris, building materials, or similar materials are discharged to waters of the State.

2) Off-site vehicle tracking of sediments and the generation of dust shall be minimized.

Bureau of Materials Management & Comphance Assurance DEP-PED-GP-015

- All post-construction stormwater structures shall be cleaned of construction sediment and any remaining silt fence shall be removed prior to filing of a termination notice pursuant to Section 5 of this general permit.
- (D) Inspection

A description of the inspection procedures that must be addressed and implemented in the following manner:

Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction activity that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm that is 0.1 inches or greater. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three months.

- (i) Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures shall be observed to ensure that they are operating correctly. Where discharge locations or points are assessable, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.
- (ii) Based on the results of the inspection, the description of potential sources and pollution prevention measures identified in the Plan shall be revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the site within 24 hours and implementation of any changes to the Plan within 3 calendar days following the inspection. The Plan shall be revised and the site controls updated in accordance with sound engineering practices, the Guidelines, and subsections (4) and (6)(C)(i) 3) of this section.
- (iii) A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Plan, and actions taken shall be made and retained as part of the Plan for at least three years after the date of inspection. The report shall be signed by the permittee or his/her authorized representative in accordance with the requirements of Section 6(h) of this general permit.
- (E) Contractors
 - (i) The Plan shall clearly identify each contractor and subcontractor that will perform actions on the site which may reasonably be expected

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

to cause or have the potential to cause pollution of the waters of the State, and shall include a copy of the certification statement shown below signed by each such contractor and subcontractor. All certifications shall be included in the Plan.

(ii) Subdivisions

Where individual lots in a subdivision or other common plan of development are conveyed or otherwise the responsibility of another contractor, those individual lot contractors shall be required to comply with the provisions of this general permit and shall sign the certification statement below regardless of lot size or disturbed area. The permittee shall provide a copy of the Plan to each of these contractors.

(iii) Certification Statement

The Plan shall include the following certification signed by each contractor and subcontractor identified in the Plan as described above:

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site."

The certification shall include the name and title of the person providing the signature; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

(c) Reporting and Record Keeping Requirements

- (1) The permittee shall retain copies of the Plan and all reports required by this general permit, and records of all data used to complete the registration to be authorized by this general permit, for a period of at least three years from the date that construction at the site is completed unless the commissioner specifies another time period in writing.
- (2) The permittee shall retain an updated copy of the Plan required by this general permit at the construction site from the date construction is initiated at the site until the date construction at the site is completed.
- (3) Upon completion of construction, for sites authorized by the General Permit for the Discharge of Stormwater Associated with Commercial Activity or the General Permit for the Discharge of Stormwater Associated with Industrial Activity, the Plan shall be kept as an appendix to the Stormwater Management

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

Plan or Stormwater Pollution Prevention Plan (as applicable) for a period of at least three years from the date of completion of construction.

(d) Regulations of Connecticut State Agencies Incorporated into this General Permit

The permittee shall comply with the following Regulations of Connecticut State Agencies which are hereby incorporated into this general permit, as if fully set forth herein:

(1) Section 22a-430-3:

Subsection (b) General - subparagraph (1)(D) and subdivisions (2),(3),(4) and (5) Subsection (c) Inspection and Entry Subsection (d) Effect of a Permit - subdivisions (1) and (4) Subsection (e) Duty to Comply Subsection (f) Proper Operation and Maintenance Subsection (g) Sludge Disposal Subsection (h) Duty to Mitigate Subsection (I) Facility Modifications, Notification - subdivisions (1) and (4) Subsection (j) Monitoring, Records and Report Requirements - subdivisions (1), (6), (7), (8), (9) and (11) (except subparagraphs (9) (A) (2) and (9) (c) Subsection (k) Bypass Subsection (m) Effluent Limitation Violations Subsection (n) Enforcement Subsection (p) Spill Prevention and Control Subsection (q) Instrumentation, Alarms, Flow Recorders Subsection (r) Equalization

(2) Section 22a-430-4

Subsection (t) Prohibitions Subsection (p) Revocation, Denial, Modification Appendices

(e) Reliance on Registration

In evaluating the registrant's registration, the commissioner has relied on information provided by the registrant. If such information proves to be false or incomplete, the registrant's authorization may be suspended or revoked in accordance with law, and the commissioner may take any other legal action provided by law.

(f) Duty to Correct and Report Violations

Upon learning of a violation of a condition of this general permit, a permittee shall immediately take all reasonable action to determine the cause of such violation, correct and mitigate the results of such violation, prevent further such violation, and report in writing such violation and such corrective action to the commissioner within five (5) days of the permittee's learning of such violation. Such information shall be filed in accordance with the certification requirements prescribed in Section 6(h) of this general permit.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

(g) Duty to Provide Information

If the commissioner requests any information pertinent to the authorized activity or to compliance with this general permit or with the permittee's authorization under this general permit, the permittee shall provide such information within fifteen (15) days of such request. Such information shall be filed in accordance with the certification requirements prescribed in Section 6(h) of this general permit.

(h) Certification of Documents

Any document, including but not limited to any notice, information or report, which is submitted to the commissioner under this general permit shall be signed by the permittee, or a duly authorized representative of the permittee, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

(i) Date of Filing

For purposes of this general permit, the date of filing with the commissioner of any document is the date such document is received by the commissioner. The word "day" as used in this general permit means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

(j) False Statements

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes.

(k) Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any information in any material submitted pursuant to this general permit, or becomes aware that any such information is inaccurate or misleading or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the commissioner. Such information shall be filed in accordance with the certification requirements prescribed in Section 6(h) of this general permit.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

(1) Transfer of Authorization

Authorizations under this general permit are non-transferable. However, any person or municipality registering a discharge that has previously been registered under this permit may adopt by reference the Plan developed by the previous permittee. The new permittee shall amend the Plan as required by Section 6(b)(4) prior to submitting a new registration.

(m) Other Applicable Law

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

(n) Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such general permit. In conducting any activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

Section 7. Commissioner's Powers

(a) Abatement of Violations

The commissioner may take any action provided by law to abate a violation of this general permit, including but not limited to penalties of up to \$25,000 per violation per day under Chapter 446k of the Connecticut General Statutes, for such violation. The commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a permittee's authorization hereunder in accordance with Sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) General Permit Revocation, Suspension, or Modification

The commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

(c) Filing of an Individual Application

If the commissioner notifies a permittee in writing that such permittee must obtain an individual permit if he wishes to continue lawfully conducting the authorized activity, the permittee must file an application for an individual permit within thirty (30) days of receiving the commissioner's notice. While such application is pending before the commissioner, the permittee shall comply with the terms and conditions of this general permit and the subject approval of registration. Nothing herein shall affect the commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued Date: April 9, 2010

AMEY W. MARRELLA

Commissioner

This is a true and accurate copy of the general permit executed on April 9, 2010 by the Commissioner of the Department of Environmental Protection.

Bureau of Materials Management & Compliance Assurance DEP-PED-GP-015

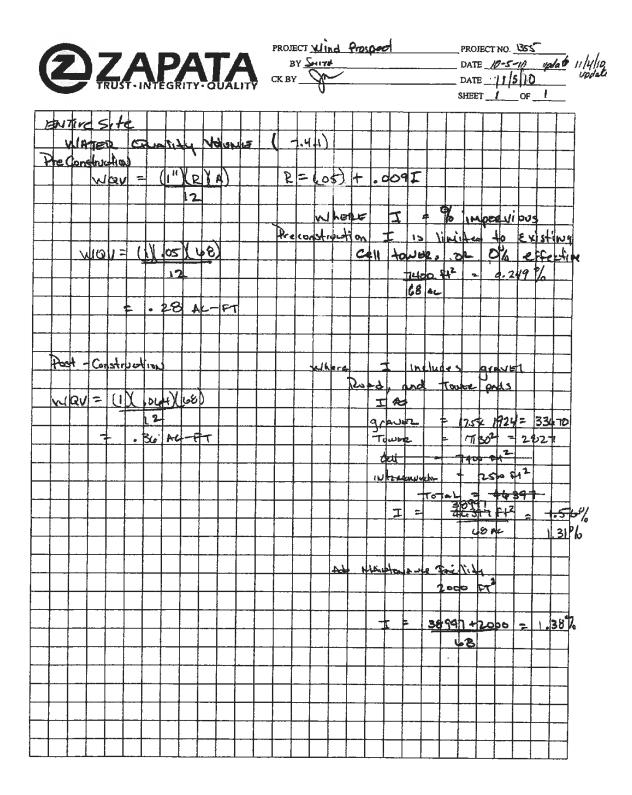
24 of 24

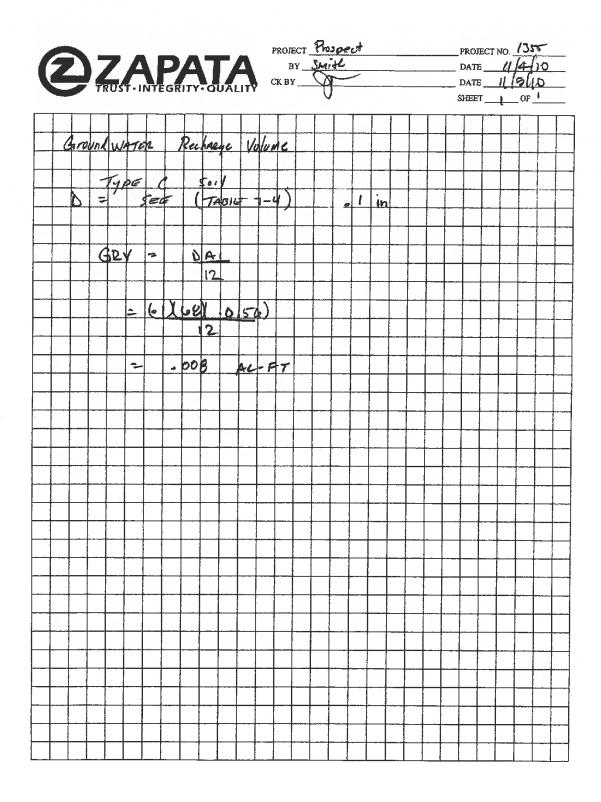
.....

....

Stormwater Management Plan with Stormwater Pollution Prevention Plan (SWPPP) Wind Prospect Prospect, Connecticut

Appendix K
SUPPORTING CALCULATIONS





		7			57	A	-	-7	Ā.	ſ	R	v -	5	M11	14					— DATI	P	$-\overline{u}$	13:	11
	1	41	Æ			-			=\		W BY	, <u> </u>	0	~	~					_ DATI _ DATI	-	H	5	h.+
2	TR	บรา	r-11	VYE	GRI	TY	σι	JĀL	IΤΥ					9	1.0					SHEE				
														_				,			_			
Rea	2	10	hd	4	A	1	'BI	14	t	(ad														
								1														Γ		
		1		ty,	la l	40	1	M	J.	1		1										1		T
7	10			17		1	-		1	ſ											Ť	1		t
Stor				J			_	5	e		5	<u> </u>		.	<u> </u>	2	F	6	1		+	+	+	+
200	μ.		(EA	P ^T	\rightarrow			11	F-	14	5/	┢╼╍		i		14		Ce	£\$].		+-	-		f
	-	E	HK.	\vdash	-+				2	┢	+	┢				6	-				+		+	╀
	łe	A	1					2.5	2	<u> </u>	-				ļ		58		+		4	#4	<u>pe</u>	┢╌
			2				-4	2	Y								11	-		_				┝
			3				_2	13	ļ		 	-				7.1		ļ	$ \vdash $	M	0	NAN	ye	
			4				5	0.3	В	ļ					<u> </u>	98	54				1	+	Į	L
											1							[\bot			
25	Ye	A2															L					ļ		L
- A.	PA		T					7.7	2							7	72			N	0	HAA	7e	
			2					3.	05							1	5.2	2	4				1	
	11		3						74							1	0.7			No	ch	419	e	F
			4		-			71				 					14		-					ŀ
		_						. B. C												+	╞─	\vdash	\square	
		_																			+-	+ -		-
1-1-	IR.	-					—	11.7							-	31	25			-		ha		
Ard					-	-					-							-				1744	**	-
			2		_		_	20,			-						.5			+		+		\vdash
			3		_	-	_	15.						_						-N	φ c	-	\$ 2	┝
			4		_		_4	10.	63	<u> </u>		ļ		_		//	7.6	1	_	_		-	<u> </u>	
						_	_			<u> </u>	<u> </u>	-								_				
										ļ											ļ	1	4	
					$ \rightarrow $						ļ									_				
										ļ														
																			T					
											<u> </u>										1			
			_			+															\vdash			
	$\left - \right $				-+	\dashv			<u> </u>					-							\vdash		<u>† </u>	
				\vdash	-+	\dashv					<u> </u>								-+			\vdash		-
														1		t l			1					

Area 1 \approx 5.5 AC z \approx 7.0 AC 3 \approx 4.5 AC 4 \approx 49.0 AC

 ALL PAVEMENT CUTS, CONCRETE DR ASPHALT, ARE TO BE REPLACED ACCORDING TO STANDARDS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION.
 SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926, SUBPART P, DR AS AMENDED.

 CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.

B. ALL EROSION CONTROL STRUCTURES TO BE INSTALLED PRIOR TO CONSTRUCTION.

7. MASS GRADING WILL NOT BE CONDUCTED ON THIS SITE.

8. CENERAL CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM TOWER PADS.

5. ALL SURFACES SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS.

 ALL GRADES SHOWN ON PLANS TO BE FIELD-VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. SHOULD ANY DISCREPANCIES EXIST, NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION.

3. GENERAL CONTRACTOR TO MONITOR STORM WATER RUNOFF DURING AND AFTER CONSTRUCTION TO ENSURE PROPER DRAINAGE.

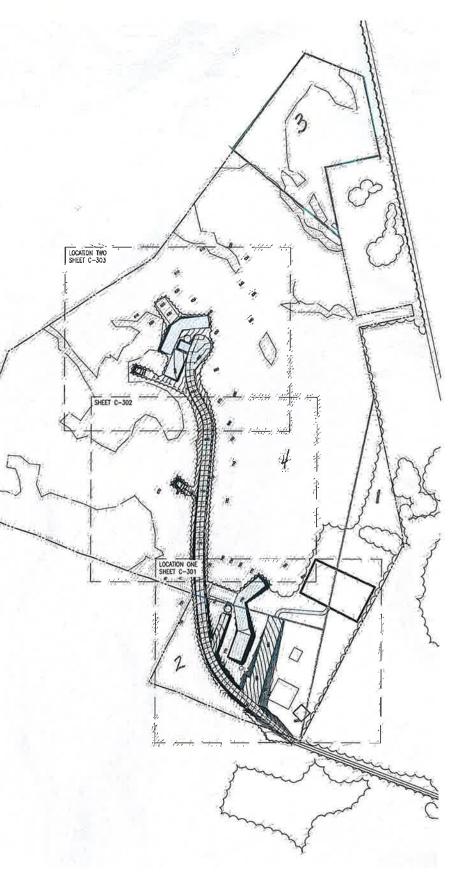
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING ALL EXISTING UNDERGROUND UTILITIES.

ERADING NOTES: 1. DISCREPANCIES SHOULD BE NOTED AND GUIDANCE OBTAINED FROM THE ENGINEER PRIOR TO CONTINUING WORK. 2

1

D

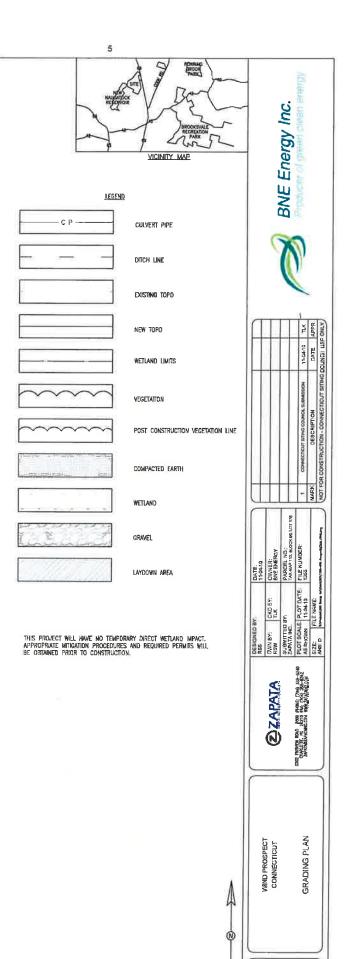
С



3



4



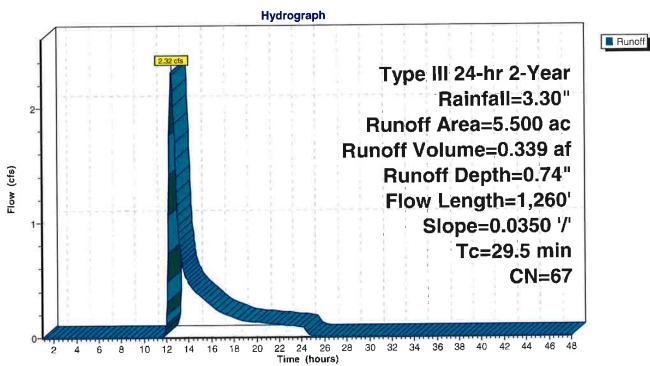
SHEET IDENTIFICATION C-300

Ш

PRE-DEVELOPMENT DRAINAGE AREA HYDROGRAPHS

Summary for Subcatchment 4S: Area 1									
Runoff = 2.32 cfs @ 12.48 hrs, Volume= 0.339 af, Depth= 0.74"									
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 2-Year Rainfall=3.30"									
Area (ac) CN Description Land Use									
5.500 67 Brush, Poor, HSG B Rural open/forest									
5.500 100.00% Pervious Area									
Tc Length Slope Velocity Capacity Description (min) (feet) (ft/ft) (ft/sec) (cfs)									
29.5 1,260 0.0350 0.71 Lag/CN Method,									
Pollutant Loading for 0.74" runoff									
Area Land TSS TP TN									
(acres) Use (pounds) (pounds) (pounds)									
5.500 Rural open/forest 47.05 0.10 1.64									
5.500 Total 47.05 0.10 1.64									

Subcatchment 4S: Area 1



Prepared by ZAPATA Incorporated

HydroCAD® 9.10 s/n 06522 © 2010 HydroCAD Software Solutions LLC

Page 1

Wind-Prospect

Pre-development Type III 24-hr 10-Year Rainfall=5.00"

Summary for Subcatchment 4S: Area 1

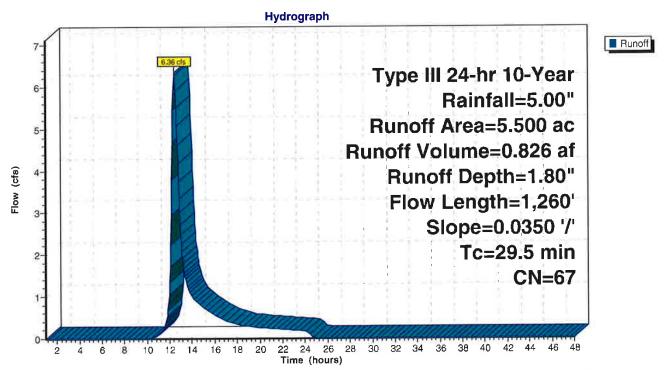
Runoff	=	6.36 cfs @	12.44 hrs,	Volume=	0.826 af, Depth= 1.80"
--------	---	------------	------------	---------	------------------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

Area	(ac) C	N Desc	cription	La	and Use			
5	.500 6	7 Brus	h, Poor, H	SG B Ru	ural open/forest			
5	5.500 100.00% Pervious Area							
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
29.5	1,260	0.0350	0.71		Lag/CN Method,			
Pollutan	Pollutant Loading for 1.80" runoff							

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
5.500	Rural open/forest	114.61	0.25	4.00	
5.500	Total	114.61	0.25	4.00	

Subcatchment 4S: Area 1



Page 2

Pre-development Type III 24-hr 25-Year Rainfall=5.60"

Summary for Subcatchment 4S: Area 1

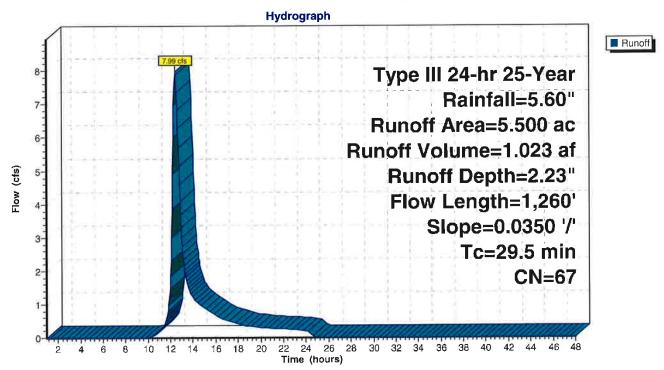
Runoff	=	7.99 cfs @	12.43 hrs, Vol	ume=	1.023 af,	Depth= 2.23"
--------	---	------------	----------------	------	-----------	--------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 25-Year Rainfall=5.60"

	Area	(ac) C	N Desc	cription	La	and Use	
	5.	500 6	7 Brus	h, Poor, H	SG B R	ural open/forest	
	5.500 100.00% Pervious Area						
(Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	
	29.5	1,260	0.0350	0.71		Lag/CN Method,	
Po	llutant	Loading	for 2.23"	runoff			

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
5.500	Rural open/forest	141.90	0.31	4.95	
5.500	Total	141.90	0.31	4.95	

Subcatchment 4S: Area 1



Page 3

Pre-development "Type III 24-hr 100-Year Rainfall=7.10

Summary for Subcatchment 4S: Area 1

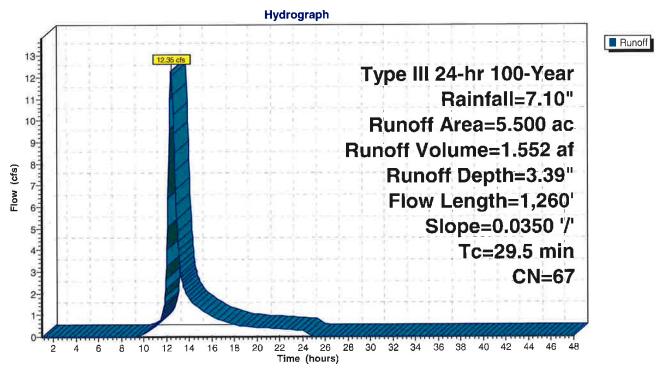
Runoff = $12.35 \text{ cfs } @$	12.42 hrs, Volume=	1.552 af, Depth= 3.39"
---------------------------------	--------------------	------------------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

Area	(ac) C	N Desc	cription	La	and Use
5	.500 6	7 Brus	h, Poor, H	SG B Ru	ural open/forest
5	.500	100.	00% Pervi	ous Area	
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.5	1,260	0.0350	0.71		Lag/CN Method,

Pollutant Loading for 3.39" runoff

Area	Land	TSS	TP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
5.500	Rural open/forest	215.29	0.46	7.51	
5.500	Total	215.29	0.46	7.51	



Pre-development "Type III 24-hr First Flush Rainfall=1.00

Page 5

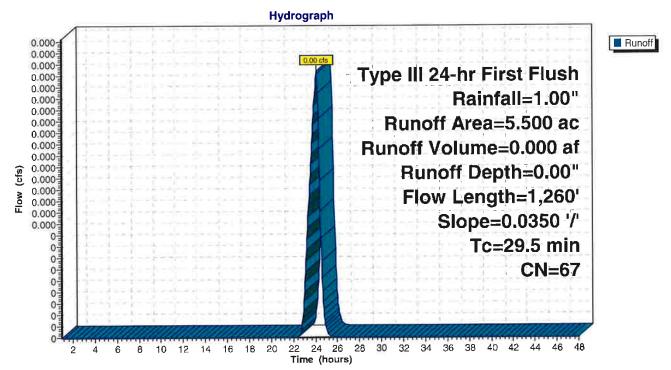
Summary for Subcatchment 4S: Area 1

Runoff = 0.00 cfs @ 24.14 hrs, Volume=	0.000 af, Depth= 0.00"
--	------------------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr First Flush Rainfall=1.00"

Are	a (ad	c) Cl	N Desc	ription	La	and Use		
	5.50	00 6	7 Brus	h, Poor, H	SG B Ru	lural open/forest		
	5.500 100.00% Pervious Area							
T (mir		ength (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)			
29.	5	1,260	0.0350	0.71		Lag/CN Method,		
Polluta	Pollutant Loading for 0.00" runoff							

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
5.500	Rural open/forest	0.00	0.00	0.00	
5.500	Total	0.00	0.00	0.00	



	Pre-development
Type III 24-hr 2-Yea	ar Rainfall=3.30"

Summary for Subcatchment 5S: Area 2

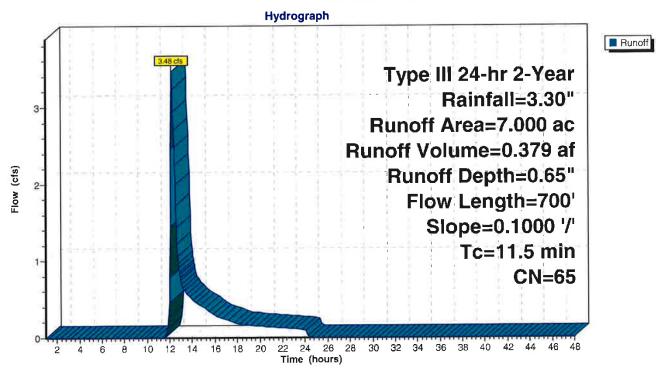
Runoff	=	3.48 cfs @	12.20 hrs,	Volume=	0.379 af,	Depth= 0.65"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 2-Year Rainfall=3.30"

	Area	(ac) C	N Des	cription		Land Use	
	7.	000 6	65 Woo	ods/grass d	omb., Fair,	HSG B Rural open/forest	
	7.	000	100.	00% Pervi	ous Area		
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	
-	11.5	700	0.1000	1.01		Lag/CN Method,	

Pollutant Loading for 0.65" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
7.000	Rural open/forest	52.55	0.11	1.83	
7.000	Total	52.55	0.11	1.83	



Pre-development Type III 24-hr 10-Year Rainfall=5.00"

Page 2

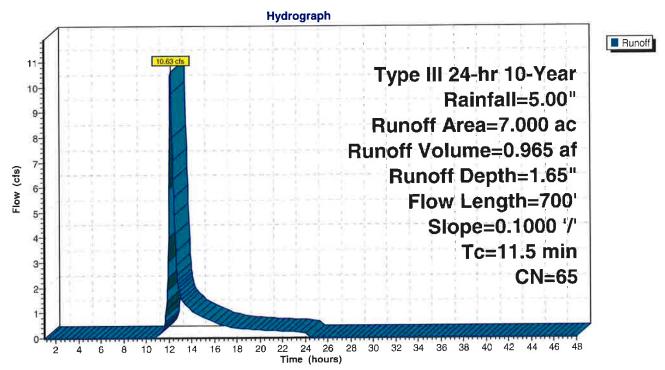
Summary for Subcatchment 5S: Area 2

Runoff	=	10.63 cfs @	12.17 hrs,	Volume=	0.965 af,	Depth= 1.65"
Duration				ime Spon 1 00	10.00 hrs.	dt_ 0.05 bro

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

Area	(ac) C	N Desc	cription		Land Use			
7.	7.000 65 Woods/grass comb., Fair, HSG B Rural open/forest							
7.	7.000 100.00% Pervious Area							
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	j		
11.5	700	0.1000	1.01		Lag/CN Method,			
Pollutant	Pollutant Loading for 1.65" runoff							

Area	Land	TSS	TP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
7.000	Rural open/forest	133.77	0.29	4.67	
7.000	Total	133.77	0.29	4.67	



Pre-development "Type III 24-hr 25-Year Rainfall=5.60

Page 3

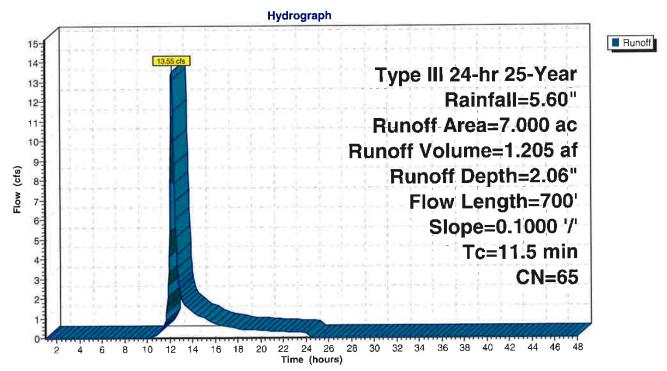
Summary for Subcatchment 5S: Area 2

Runoff	=	13.55 cfs @	12.17 hrs,	Volume=	1.205 af,	Depth= 2.06"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 25-Year Rainfall=5.60"

Area	(ac) C	N Des	cription		Land Use			
7	.000 6	35 Woo	ds/grass o	omb., Fair,	HSG B Rural open/forest			
7	7.000 100.00% Pervious Area							
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
11.5	700	0.1000	1.01		Lag/CN Method,			
Pollutan	Pollutant Loading for 2.06" runoff							

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
7.000	Rural open/forest	167.05	0.36	5.83	
7.000	Total	167.05	0.36	5.83	



Р	re-development
Type III 24-hr 100-Year	Rainfall=7.10"

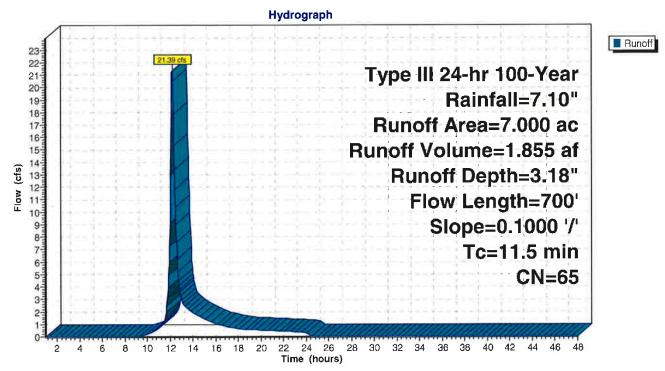
Summary for Subcatchment 5S: Area 2

Runoff	=	21.39 cfs @	12.17 hrs, Volume=	1.855 af, Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

Area	(ac) C	N Dese	cription		Land Use			
7.	.000 6	65 Woo	ds/grass c	omb., Fair,	HSG B Rural open/forest			
7.	7.000 100.00% Pervious Area							
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
11.5	700	0.1000	1.01		Lag/CN Method,			
Pollutan	Pollutant Loading for 3.18" runoff							

Area	Land	TSS	TP	TN (noundo)	
(acres)	Use	(pounds)	(pounds)	(pounds)	
7.000	Rural open/forest	257.27	0.55	8.98	
7.000	Total	257.27	0.55	8.98	



Runoff = 0.00 cfs @ 1.00 hrs, Volume= 0.000 af, Depth= 0.00" Hunoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Transmitter in the span in th			Summ	ary for S	ubcatchm	ent 5S: Are	ea 2	
Type III 24-hr First Flush Rainfall=1.00" Area (ac) CN Description Land Use 7.000 65 Woods/grass comb., Fair, HSG B Rural open/forest 7.000 100.00% Pervious Area To Length Slope Velocity Capacity Description (freit) (min) (freet) (ft/ft) (ft/ftsec) (cfs) 11.5 700 0.1000 1.01 Lag/CN Method, Pollutant Loading for 0.00" runoff Area Land TSS TP TN (acres) Use (pounds) (pounds) (pounds) 7.000 Total 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Volume=0.000 af Guide OU OU OU TO Subcatchment 5S: Area 2 Hydrograph </td <td>Runoff =</td> <td>0.00 cfs</td> <td>s@ 1.00</td> <td>) hrs, Volu</td> <td>me=</td> <td>0.000 af, D</td> <td>epth= 0.00"</td> <td></td>	Runoff =	0.00 cfs	s@ 1.00) hrs, Volu	me=	0.000 af, D	epth= 0.00"	
7.000 65 Woods/grass comb., Fair, HSG B Rural open/forest 7.000 100.00% Pervious Area Tc Length Slope Velocity Capacity Description (min) (feet) (ft/ft) (ft/sec) (cfs) 11.5 700 0.1000 1.01 Lag/CN Method, Pollutant Loading for 0.00" runoff Area Land TSS TP TN (acres) Use (pounds) (pounds) (pounds) (pounds) 7.000 Total 0.00 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 0.00 Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' 80 Slope=0.1000 '/' Tc=11.5 min CN=65					Span= 1.00-	48.00 hrs, dt=	- 0.05 hrs	
7.000 100.00% Pervious Area Tc Length Slope Velocity Capacity Description (min) (ft/ft) (ft/sec) (cfs) Integration 11.5 700 0.1000 1.01 Lag/CN Method, Pollutant Loading for 0.00" runoff Area Land TSS TP TN (acres) Use (pounds) (pounds) (pounds) (pounds) 7.000 Rural open/forest 0.00 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 0.00 Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Generation OUT OUT OUT Type III 24-hr First Flush Rainfall=1.00" Runoff Volume=0.000 af Bunoff	Area (ac)	CN Desc	ription					
Tc Length Slope Velocity Capacity Description (min) (feet) (ft/ft) (ft/sec) (cfs) 11.5 700 0.100 1.01 Lag/CN Method, Pollutant Loading for 0.00" runoff Area Land TSS TP TN (acres) Use (pounds) (pounds) (pounds) 7.000 Rural open/forest 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 Subcatchment 5S: Area 2 Hydrograph Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Area=7.000 ac Runoff Volume=0.000 af Plow Length=700' Slope=0.1000 '/' CN=65					HSG B	Rural open/foi	rest	
(min) (feet) (ft/ft) (ft/sec) (cfs) 11.5 700 0.100 1.01 Lag/CN Method, Pollutant Loading for 0.00" runoff Area Land TSS TP TN (acres) Use (pounds) (pounds) (pounds) (pounds) 7.000 Rural open/forest 0.00 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 0.00 Subcatchment 5S: Area 2 Hydrograph Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Area=7.000 ac Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/ Tc=11.5 min CN=65 CN=65	7.000	100.0	J0% Pervi	ous Area				
Pollutant Loading for 0.00" runoff					Descriptio	n		
Area Land TSS TP TN (acres) Use (pounds) (pounds) 7.000 Rural open/forest 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 Subcatchment 5S: Area 2 Hydrograph Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/ Tc=11.5 min CN=65	11.5 7	700 0.1000	1.01		Lag/CN M	ethod,		
(acres) Use (pounds) (pounds) 7.000 Rural open/forest 0.00 0.00 0.00 7.000 Total 0.00 0.00 0.00 Subcatchment 5S: Area 2 Hydrograph Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/' Tc=11.5 min CN=65	Pollutant Load	ding for 0.00"	runoff					
Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/' Tc=11.5 min CN=65	Area	Land						
Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/ Tc=11.5 min CN=65								
Subcatchment 5S: Area 2 Hydrograph			forest					
Image: Property of the state of the st	7.000	TUldi		0.00	0.00	0.00		
(y) Wy				Subcatc	hment 5S	: Area 2		
Type III 24-hr First Flush Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/' Tc=11.5 min CN=65				Hydro	graph			
Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/' Tc=11.5 min CN=65	1-							Runoff
Rainfall=1.00" Runoff Area=7.000 ac Runoff Volume=0.000 af Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/' Tc=11.5 min CN=65	2						w Einet Eluch	
(In the second s					I Y			
(g) Mg Mg Mg Mg Mg Mg Mg Mg Mg Mg	9. B						ainfall=1.00"	
(g) Mg Runoff Depth=0.00" Flow Length=700' Slope=0.1000 '/' Tc=11.5 min CN=65		3 1 1 4				Runoff A	rea=7.000 ac	
Slope=0.1000 '/' Tc=11.5 min CN=65	. 8				Ru	noff Volu	ume=0.000 af	
Slope=0.1000 '/' Tc=11.5 min CN=65	cfs)	1.1.1				Runoff	Depth=0.00"	
Slope=0.1000 '/' Tc=11.5 min CN=65) MO					1 A I		
Tc=11.5 min CN=65	Ĕ .	- 1 i i	5				-	
CN=65						510		
	1							
0-	-						CN=65	
0-								
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48	0.00 cts	mannin		minim				1
Time (hours)	2	4 6 8 10	12 14 16			30 32 34 36	38 40 42 44 46 48	

Pre-development Type III 24-hr First Flush Rainfall=1.00"

Pre-development "Type III 24-hr 2-Year Rainfall=3.30

Page 1

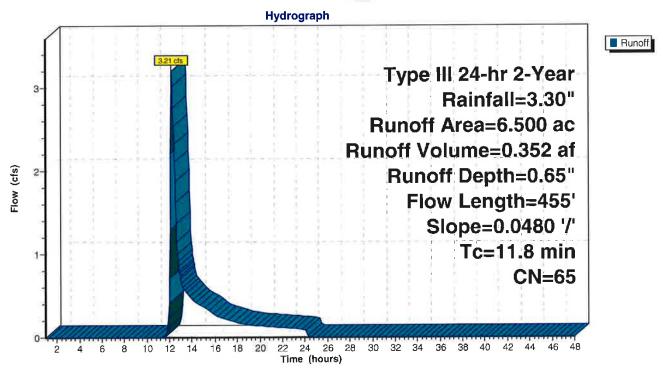
Summary for Subcatchment 3S: Area 3

Runoff	=	3.21 cfs @	12.20 hrs,	Volume=	0.352 af,	Depth=	0.65"
Runoff by	SCS TR	-20 method,	UH=SCS, T	ime Span⊨ 1.00-4	18.00 hrs, (dt≕ 0.05 ł	nrs

Type III 24-hr 2-Year Rainfall=3.30"

Area	(ac) C	N Des	cription		Land Use			
6	.500 6	65 Woo	ds/grass d	comb., Fair,	HSG B Rural open/forest			
6	6.500 100.00% Pervious Area							
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
11.8	455	0.0480	0.64		Lag/CN Method,			
Pollutan	Pollutant Loading for 0.65" runoff							

Area	Land	TSS	TP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
6.500	Rural open/forest	48.80	0.11	1.70	
6.500	Total	48.80	0.11	1.70	



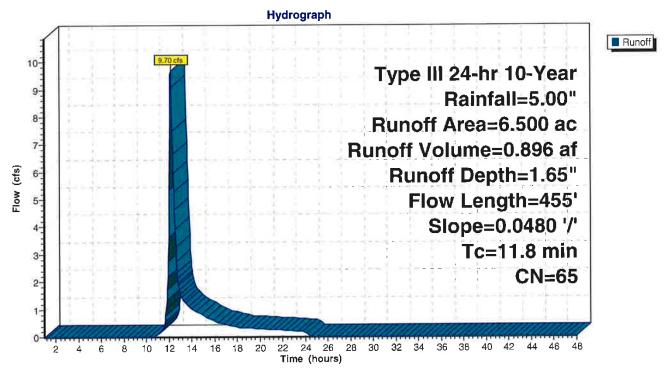
Summary for Subcatchment 3S: Area 3

Runoff	=	9.70 cfs @	12.18 hrs, Volume=	0.896 af, Depth= 1.65"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

Area	(ac) C	N Desc	cription		Land Use	_			
6	.500 6	5 Woo	ds/grass c	omb., Fair,	r, HSG B Rural open/forest				
6	.500	100.	00% Pervi	ous Area					
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	•				
11.8	455	0.0480	0.64		Lag/CN Method,				
Pollutan	Pollutant Loading for 1.65" runoff								

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	124.22	0.27	4.34	
6.500	Total	124.22	0.27	4.34	



Pre-development "Type III 24-hr 25-Year Rainfall=5.60

Summary for Subcatchment 3S: Area 3

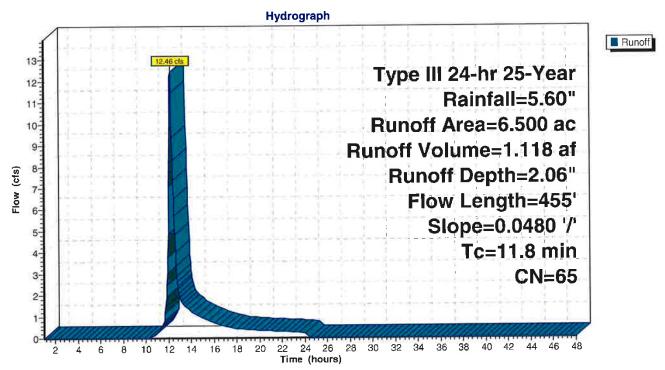
Runoff	=	12.46 cfs @	12.17 hrs,	Volume=	1.118 af,	Depth=	2.06"
Runoff by	SCS TI	R-20 method,	UH=SCS, T	ïme Span=	1.00-48.00 hrs, (dt= 0.05 h	nrs

Type III 24-hr 25-Year Rainfall=5.60"

Area	(ac) C	N Desc	cription		Land Use			
6	.500 6	5 Woo	ds/grass c	omb., Fair,	HSG B Rural open/forest			
6.	.500	100.	00% Pervi	ous Area				
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
11.8	455	0.0480	0.64		Lag/CN Method,			
Pollutan	Pollutant Loading for 2.06" runoff							

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	155.12	0.33	5.41	
6.500	Total	155.12	0.33	5.41	

Subcatchment 3S: Area 3



Page 3

Pre-development "Type III 24-hr 100-Year Rainfall=7.10

Page 4

Summary for Subcatchment 3S: Area 3

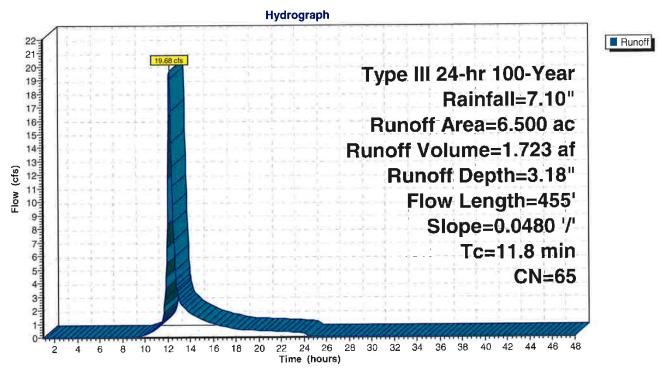
Runoff	=	19.68 cfs @	12.17 hrs, Volume=	1.723 af, Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

	Area	(ac) C	N Desc	cription		Land Use	_	
	6.	500 6	5 Woo	ds/grass c	omb., Fair,	, HSG B Rural open/forest	2	
	6.	500	100.	00% Pervi	ous Area			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description		
	11.8	455	0.0480	0.64		Lag/CN Method,		
-	Dellutent Londing for 0.19 th rupoff							

Pollutant Loading for 3.18" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	238.90	0.52	8.34	
6.500	Total	238.90	0.52	8.34	



P	re-development
Type III 24-hr First Flush	Rainfall=1.00"

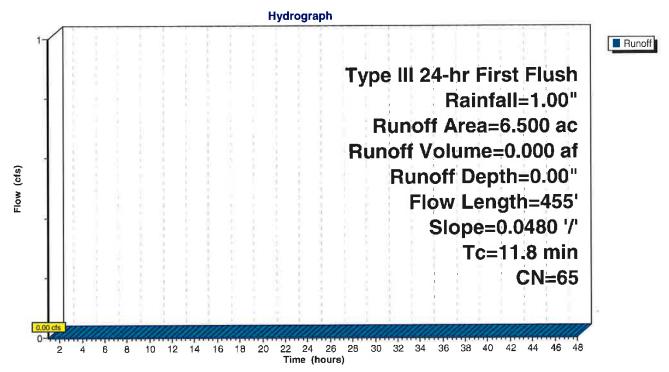
Runoff	=	0.00 cfs @	1.00 hrs, Volum	e=	0.000 af, Depth= 0.00"			
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr First Flush Rainfall=1.00"								
Area (a	c) CN	Descriptio	n		Land Use			
6.50	0 65	Woods/gr	ass comb., Fair, H	ISG B	Rural open/forest			

0.	<u>500 C</u>	5 1100	us/grass u	onio., ran,	
6.500 100.00% Perviou			00% Pervi	ous Area	
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.8	455	0.0480	0.64		Lag/CN Method,

Pollutant Loading for 0.00" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	0.00	0.00	0.00	
6.500	Total	0.00	0.00	0.00	

Subcatchment 3S: Area 3



Page 5

Pre-development Type III 24-hr 2-Year Rainfall=3.30"

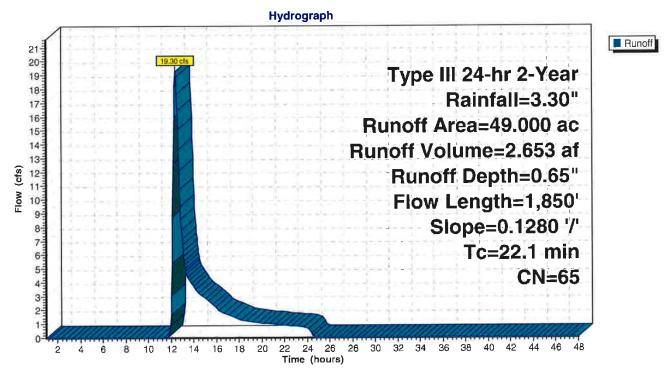
Summary for Subcatchment 6S: Area 4

Runoff	=	19.30 cfs @	12.38 hrs,	Volume=	2.653 af, Depth= 0.65"
		R-20 method, ear Rainfall=3		ime Span= 1.	00-48.00 hrs, dt= 0.05 hrs

Area	(ac) C	N Desc	ription		Land Use		
49	.000 6	5 Woo	ds/grass c	omb., Fair,	HSG B Rural open/forest		
49	.000	100.	00% Pervi	ous Area			
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description		
22.1	1,850	0.1280	1.39		Lag/CN Method,		
Pollutant Loading for 0.65" runoff							

TΝ TSS TP Land Area (pounds) Use (pounds) (pounds) (acres) 12.84 Rural open/forest 367.88 0.79 49.000 0.79 12.84 49.000 Total 367.88

Subcatchment 6S: Area 4



Page 1

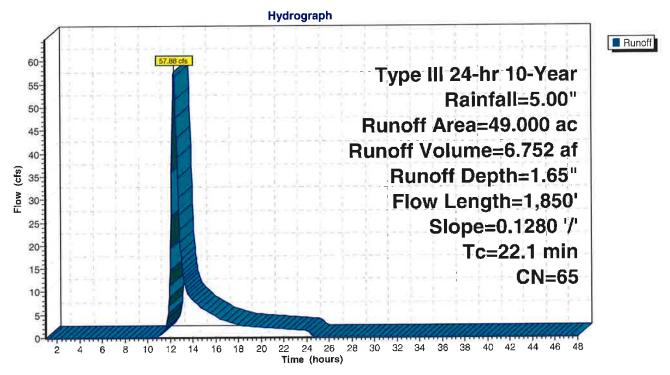
Pre-development	
Type III 24-hr 10-Year Rainfall=5.00"	

Summary for Subcatchment 6S: Area 4

Runoff	=	57.88 cfs	@ 12.33	3 hrs, Volu	me= 6.752 af, Depth= 1.65"				
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"									
Area	(ac) C	N Desc	ription		Land Use				
49.	000 6	35 Wood	ds/grass c	omb., Fair,	HSG B Rural open/forest				
49.	49.000 100.00% Pervious Area								
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
22.1	1,850	0.1280	1.39		Lag/CN Method,				

Pollutant Loading for 1.65" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
49.000	Rural open/forest	936.40	2.02	32.68	
49.000	Total	936.40	2.02	32.68	



Pre-development "Type III 24-hr 25-Year Rainfall=5.60

Page 3

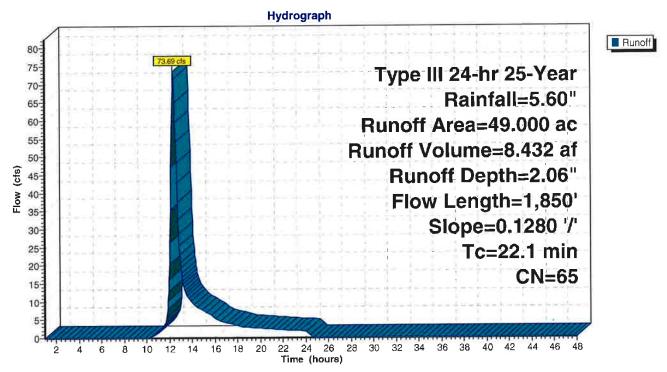
Summary for Subcatchment 6S: Area 4

Runoff	=	73.69 cfs @	12.33 hrs,	Volume=	8.432 af, Depth= 2.06"
		R-20 method, Year Rainfall=		ime Span= 1	.00-48.00 hrs, dt= 0.05 hrs

Area	(ac) C	N Desc	ription		Land Use
49.	000 6	5 Woo	ds/grass c	omb., Fair,	, HSG B Rural open/forest
49.	000	100.	00% Pervi	ous Area	
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.1	1,850	0.1280	1.39		Lag/CN Method,
		(0.00 ¹			

Pollutant Loading for 2.06" runoff

Area	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
(acres)			2.52	40.81	
49.000	Rural open/forest	1,169.36			
49.000	Total	1,169.36	2.52	40.81	



Pre-development "Type III 24-hr 100-Year Rainfall=7.10

Page 4

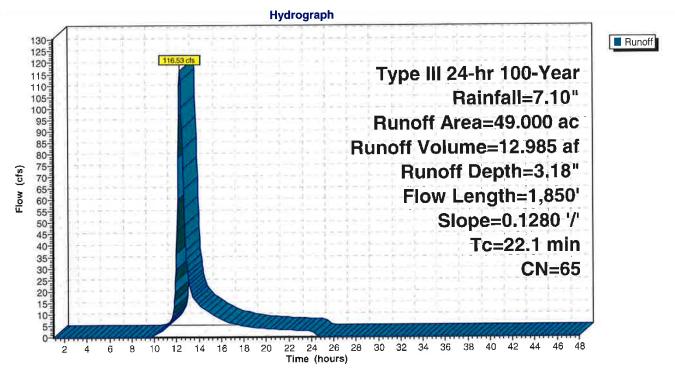
Summary for Subcatchment 6S: Area 4

Runoff	=	116.53 cfs @	12.32 hrs, Volume=	12.985 af, Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

	Area	(ac) C	N Desc	ription		Land Use			
-	49.	000 6	5 Woo	ds/grass c	omb., Fair,	HSG B Rural open/forest			
	49.000 100.00% Pervious Area								
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
× -	22.1	1,850	0.1280	1.39	30 - <i>St</i> -	Lag/CN Method,			
Po	Pollutant Loading for 3.18" runoff								

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
49.000	Rural open/forest	1,800.91	3.88	62.86	
49.000	Total	1,800.91	3.88	62.86	



Pre-development "Type III 24-hr First Flush Rainfall=1.00

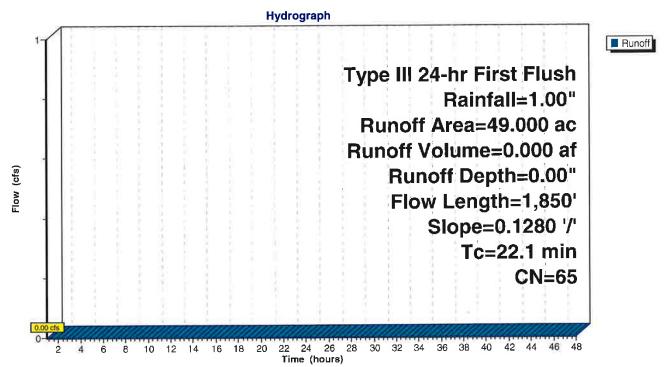
Page 5

Summary for Subcatchment 6S: Area 4

Runoff	=	0.00 cfs @	1.00 hrs, Volume=	0.000 af, Depth= 0.00"
		-20 method, U Flush Rainfal	H=SCS, Time Span= 1.00-4 l=1.00"	Ⅰ8.00 hrs, dt= 0.05 hrs

Area (ac) C	N Desc	cription		Land Use			
49.0	000 6	5 Woo	ds/grass d	omb., Fair,	r, HSG B Rural open/forest			
49.000 100.00% Pervious Area								
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
22.1	1,850	0.1280	1.39		Lag/CN Method,			
Pollutant	Pollutant Loading for 0.00" runoff							
А	rea La	Ind		TSS	TP TN			

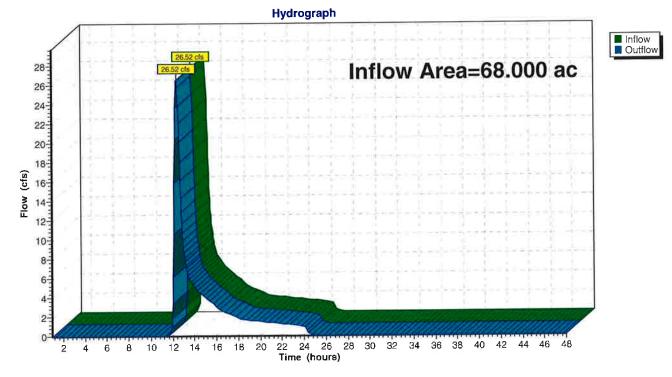
Area	Land	TSS	TP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
49.000	Rural open/forest	0.00	0.00	0.00	
49.000	Total	0.00	0.00	0.00	



Summary for Reach 9R: Delineated Wetland

Inflow Area =	68.000 ac,	0.00% Impervious, Inflow E	Depth = 0.66"	for 2-Year event
Inflow =		12.36 hrs, Volume=	3.723 af	
Outflow =	26.52 cfs @	12.36 hrs, Volume=	3.723 af, Atte	ən= 0%, Lag= 0.0 min

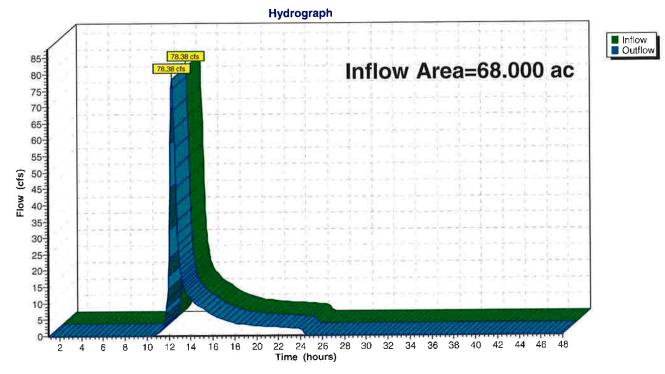
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Area =	68.000 ac,	0.00% Impervious, Inflow	Depth = 1.67"	for 10-Year event
Inflow =	78.38 cfs @	12.31 hrs, Volume=	9.439 af	
Outflow =	78.38 cfs @	12.31 hrs, Volume=	9.439 af, Atte	en= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



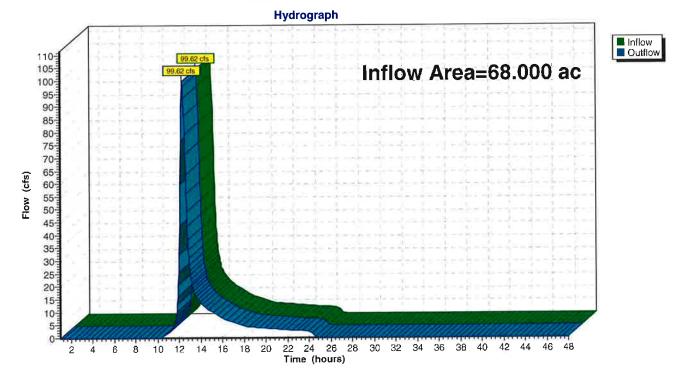
Pre-development Type III 24-hr 25-Year Rainfall=5.60"

Page 3

Summary for Reach 9R: Delineated Wetland

Inflow Area =	68.000 ac,	0.00% Impervious, Inflow	Depth = 2.08"	for 25-Year event
Inflow =	99.62 cfs @	12.31 hrs, Volume=	11.778 af	
Outflow =	99.62 cfs @	12.31 hrs, Volume=	11.778 af, Atte	en= 0%, Lag= 0.0 min

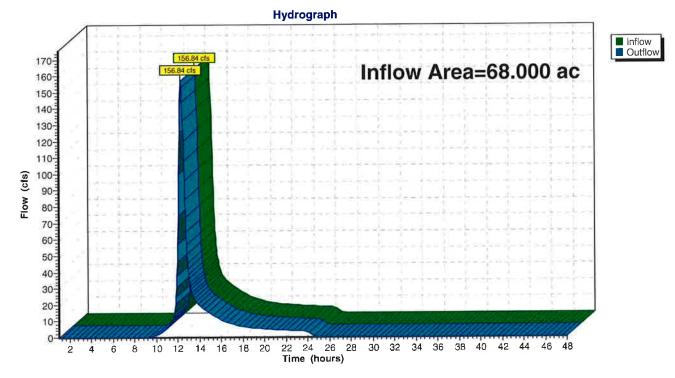
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Area	a =	68.000 ac,	0.00% Impervious, Infl	ow Depth = 3.20"	for 100-Year event
Inflow	=		12.29 hrs, Volume=	18.115 af	00/ 1 0.0 min
Outflow	=	156.84 cfs @	12.29 hrs, Volume=	18.115 af, Atte	en= 0%, Lag= 0.0 min

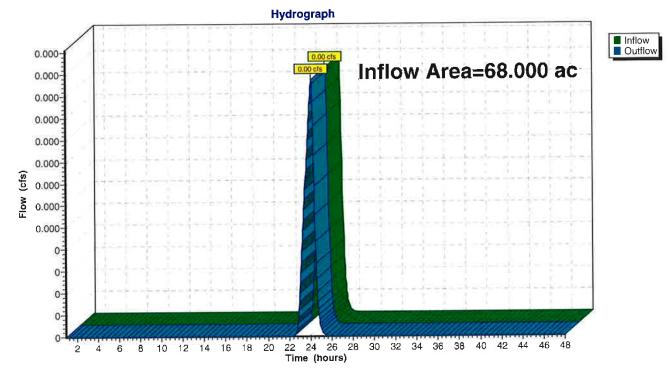
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Area =	68.000 ac,	0.00% Impervious, Inflow D	epth = 0.00" for First Flush event
Inflow =		24.14 hrs, Volume=	0.000 af
Outflow =		24.14 hrs, Volume=	0.000 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



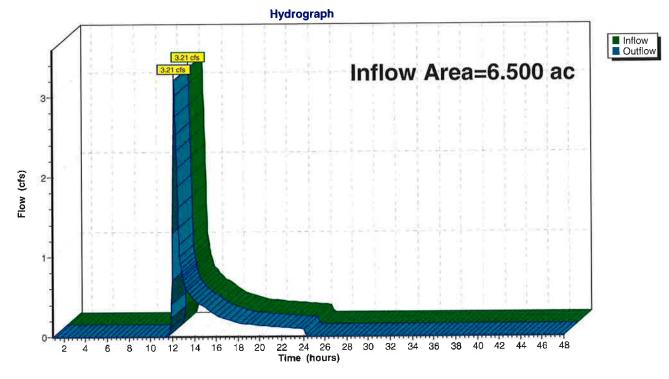
Pre-development Type III 24-hr 2-Year Rainfall=3.30"

Page 1

Summary for Reach 8R: Watercourse 1-

Inflow Area	a =	6.500 ac,	0.00% Impervious,	Inflow Depth = 0.6	65" for 2-Year event
Inflow	=	3.21 cfs @	12.20 hrs, Volume		
Outflow	=	3.21 cfs @	12.20 hrs, Volume	e= 0.352 af,	Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



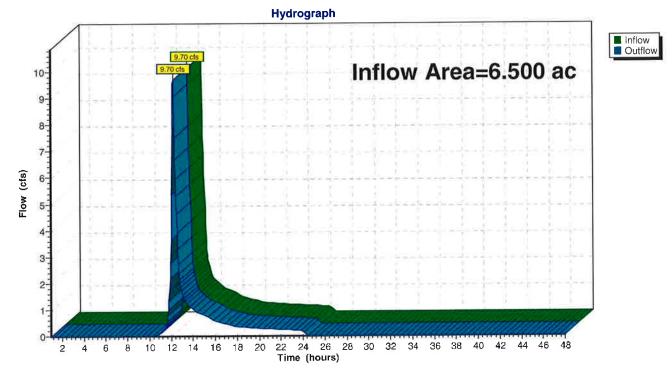
Pre-development Type III 24-hr 10-Year Rainfall=5.00"

Page 2

Summary for Reach 8R: Watercourse 1-

Inflow Area =	6.500 ac,	0.00% Impervious, Inflow E	Depth = 1.65"	for 10-Year event
Inflow =	9.70 cfs @	12.18 hrs, Volume=	0.896 af	
Outflow =	9.70 cfs @	12.18 hrs, Volume=	0.896 af, Att	en= 0%, Lag= 0.0 min

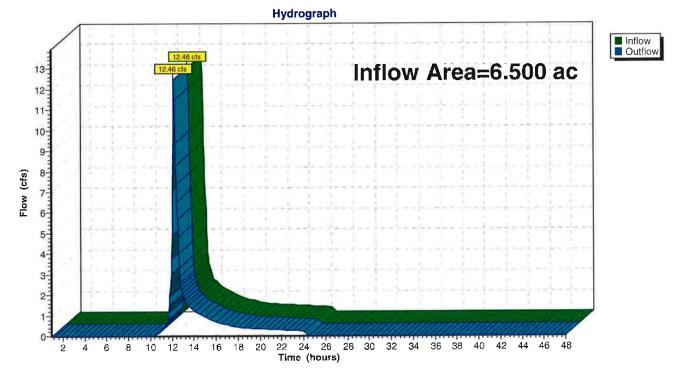
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious,	Inflow Depth = 2.0)6" for 25-Year event
Inflow	=	12.46 cfs @	12.17 hrs, Volume=		
Outflow	=	12.46 cfs @	12.17 hrs, Volume=	= 1.118 af,	Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



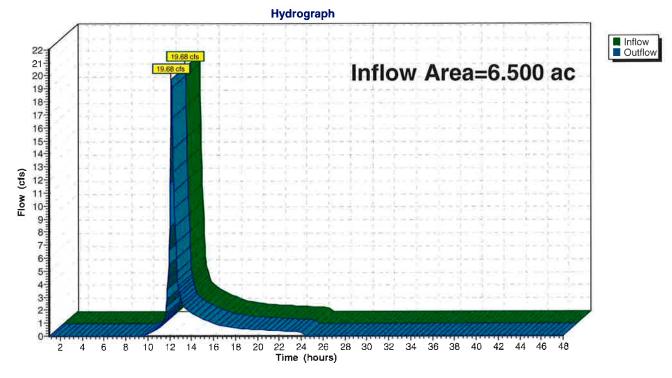
Pre-development Type III 24-hr 100-Year Rainfall=7.10"

Page 4

Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious	, Inflow Depth = 3.	18" for 100-Year event
Inflow	=	19.68 cfs @	12.17 hrs, Volum	e= 1.723 af	
Outflow	=	19.68 cfs @	12.17 hrs, Volum	e= 1.723 af,	Atten= 0%, Lag= 0.0 min

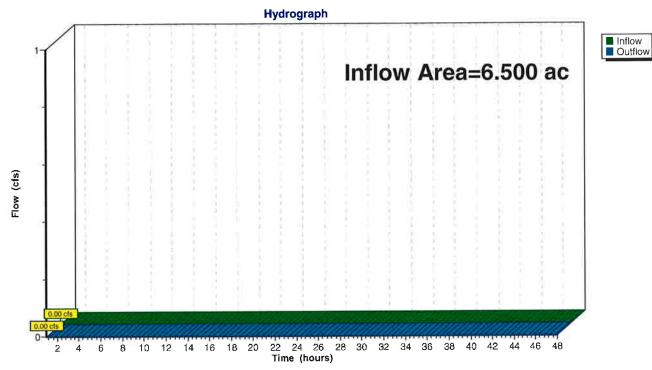
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious, Inflow	Depth = 0.00"	for First Flush event
Inflow	=	0.00 cfs @	1.00 hrs, Volume=	0.000 af	
Outflow	=	0.00 cfs @	1.00 hrs, Volume=	0.000 af, Atte	en= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



POST-DEVELOPMENT DRAINAGE AREA HYDROGRAPHS

	=	2.32 cfs	6 @ 12.4	8 hrs, Volu	ume=	0.339 af, Depth= 0.74"			
Runoff by Type III 2	noff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs pe III 24-hr 2-Year Rainfall=3.30"								
Area (ac) CN Description Land Use									
5.	500		h, Poor, H		ural open/foi	rest			
5.	500	100.	00% Pervi	ious Area					
⊤c (min)	Leng (fee	et) (ft/ft)	Velocity (ft/sec)	Capacity (cfs)					
29.5	1,26	60 0.0350	0.71		Lag/CN M	ethod,			
Pollutant	Loadi	ing for 0.74"	runoff						
А	rea	Land		TSS	TP	TN			
(acı		Use		(pounds)	(pounds)	(pounds)			
5.	500	Rural open	/forest	47.05	0.10	1.64			
5.	500	Total		47.05	0.10	1.64			
				Subcato	chment 4S	: Area 1			
				Hydro	ograph				
			2.32 cfs	Hydro	ograph		Runoff		
-			2.32 cfs	Hydr	ograph	Type III 24-hr 2-	Year		
2-			2.32 ds	Hydr		Type III 24-hr 2- Rainfall=:	Year 3.30"		
2-			2.32 cts	Hydr		Type III 24-hr 2-	Year 3.30"		
2			2.32 ds	Hydr		Type III 24-hr 2- Rainfall=:	Year 3.30" 00 ac		
			2.32 cts	Hydro		Type III 24-hr 2- Rainfall=: Runoff Area=5.50 noff Volume=0.3	Year 3.30" 00 ac 39 af		
			2.32 dfs	Hydr		Type III 24-hr 2- Rainfall=: Runoff Area=5.50 noff Volume=0.3 Runoff Depth=0	Year 3.30" 00 ac 39 af 0.74"		
Flow (cfs)			2.32 cts	Hydr		Type III 24-hr 2- Rainfall= Runoff Area=5.50 noff Volume=0.3 Runoff Depth= Flow Length=1	Year 3.30" 00 ac 39 af 0.74" ,260'		
			2.32 cfs	Hydr		Type III 24-hr 2- Rainfall=3 Runoff Area=5.50 noff Volume=0.3 Runoff Depth=0 Flow Length=1 Slope=0.03	Year 3.30" 30 ac 39 af 0.74" ,260' 50 '/'		
Flow (cfs)			2.32 cts	Hydro		Type III 24-hr 2- Rainfall= Runoff Area=5.50 noff Volume=0.3 Runoff Depth= Flow Length=1	Year 3.30" 30 ac 39 af 0.74" ,260' 50 '/'		
Flow (cfs)			2.32 cfs.	Hydr		Type III 24-hr 2- Rainfall=3 Runoff Area=5.50 noff Volume=0.3 Runoff Depth=0 Flow Length=1 Slope=0.03 Tc=29.5	Year 3.30" 30 ac 39 af 0.74" ,260' 550 '/' 5 min		
Flow (cfs)			2.32 ds	Hydro		Type III 24-hr 2- Rainfall=3 Runoff Area=5.50 noff Volume=0.3 Runoff Depth=0 Flow Length=1 Slope=0.03 Tc=29.5	Year 3.30" 30 ac 39 af 0.74" ,260' 50 '/'		

22 24 26 28 30 32 34 36 38 40 42 44 46 48 Time (hours)

Summary for Subcatchment 4S: Area 1

Post-development

Page 1

Type III 24-hr 2-Year Rainfall=3.30"

Prepared by ZAPATA Incorporated HydroCAD® 9.10 s/n 06522 © 2010 HydroCAD Software Solutions LLC

Wind-Prospect

0-

2

4 6 8 10 12 14 16 18 20

Post-development "Type III 24-hr 10-Year Rainfall=5.00

Page 2

Summary for Subcatchment 4S: Area 1

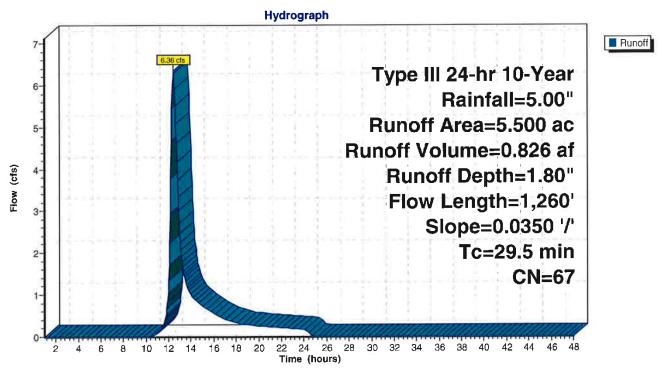
Runoff = 6.36 cfs @ 12.44 hrs, Volur	ne= 0.826 af, Depth= 1.80"
--------------------------------------	----------------------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

/	Area ((ac) C	N Dese	cription	La	and Use	
	5.	500 (67 Brus	h, Poor, H	SGB R	Rural open/forest	
	5.	500	100.	00% Pervi	ous Area		
(r	Tc nin)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)		
2	29.5	1,260	0.0350	0.71		Lag/CN Method,	

Pollutant Loading for 1.80" runoff

Area	Land	TSS	ΤP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
5.500	Rural open/forest	114.61	0.25	4.00	
5.500	Total	114.61	0.25	4.00	



Summary for Subcatchment 4S: Area 1

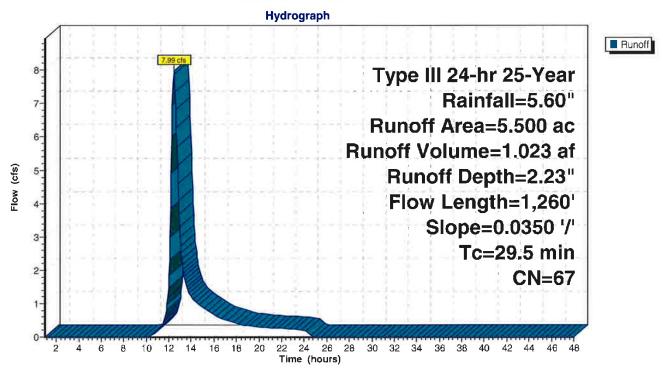
Runoff	=	7.99 cfs @	12.43 hrs,	Volume=	1.023 af, Depth= 2.23"
--------	---	------------	------------	---------	------------------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 25-Year Rainfall=5.60"

	Area	(ac) C	N Desc	cription	La	and Use	
-	5.	500 6	7 Brus	h, Poor, H	SG B R	ural open/forest	
	5.	500	100.	00% Pervi	ous Area		
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	
	29.5	1,260	0.0350	0.71		Lag/CN Method,	

Pollutant Loading for 2.23" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	_
5.500	Rural open/forest	141.90	0.31	4.95	
5.500	Total	141.90	0.31	4.95	



Summary for Subcatchment 4S: Area 1

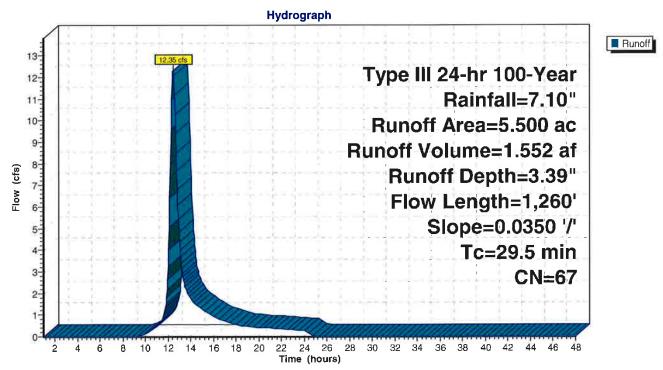
Runoff =	12.35 cfs @	12.42 hrs, Volume=	1.552 af, Depth= 3.39"
----------	-------------	--------------------	------------------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

	Area	(ac) C	N Desc	cription	Li	and Use	r
	5.	500 6	67 Brus	h, Poor, H	SG B R	Rural open/forest	
	5.	500	100.	00% Pervi	ous Area		
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)		
	29.5	1,260	0.0350	0.71		Lag/CN Method,	
_							

Pollutant Loading for 3.39" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
5.500	Rural open/forest	215.29	0.46	7.51	
5.500	Total	215.29	0.46	7.51	



Summary for Subcatchment 4S: Area 1

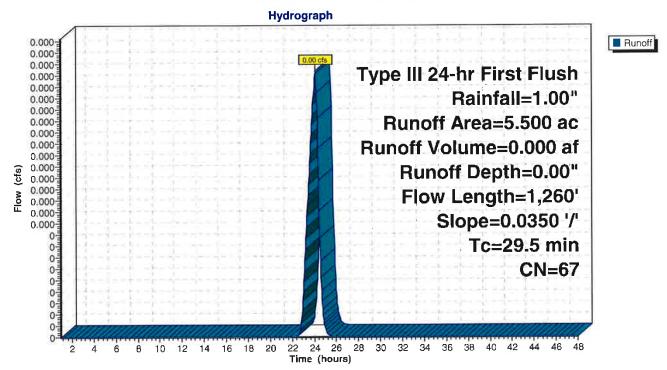
Runoff	=	0.00 cfs @	24.14 hrs,	Volume=	0.000 af,	Depth= 0.00"
--------	---	------------	------------	---------	-----------	--------------

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr First Flush Rainfall=1.00"

0	Area	(ac) C	N Desc	ription	La	and Use	
	5.	500 6	7 Brus	h, Poor, H	SG B R	ural open/forest	
	5.	500	100.	00% Pervi	ous Area		
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)		
	29.5	1,260	0.0350	0.71		Lag/CN Method,	

Pollutant Loading for 0.00" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
5.500	Rural open/forest	0.00	0.00	0.00	
5.500	Total	0.00	0.00	0.00	



Summary for Subcatchment 12S: Area 2- post construction

Runoff = 4.39 cfs @ 12.17 hrs, Volume= 0.432 af, Depth= 0.74"

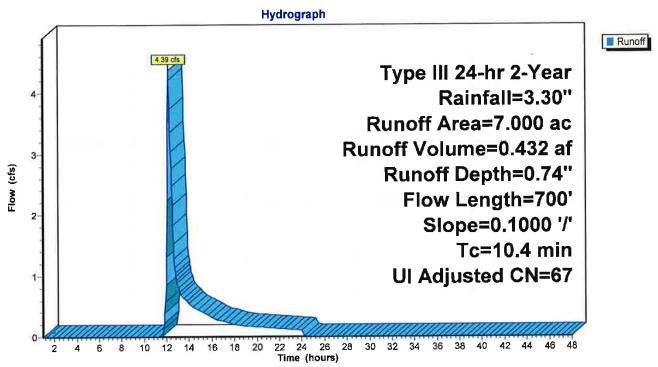
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 2-Year Rainfall=3.30"

Area (ac)	CN	Description	Land Use				
6,104	65	Woods/grass comb., Fair, HSG B	Rural open/forest				
0.350	85	Gravel roads, HSG B	Driveway				
0.500	98	Unconnected pavement, HSG B	Commercial general				
0.046	98	Unconnected roofs, HSG B	Commercial Roof				
7.000	69	Weighted Average, UI Adjusted CN	I = 67				
6,454		92.20% Pervious Area					
0.546		7.80% Impervious Area					
0.546		100.00% Unconnected					
Te long		Slene Velecity Canacity Descript	й				

(min)	(feet)		(ft/sec)	(cfs)	Description	
10.4		0.1000			Lag/CN Method,	

Pollutant Loading for 0.74" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.046	Commercial Roof	0.07	0.00	0.02	
0.500	Commercial general	6.46	0.03	0.25	
0.350	Driveway	10.16	0.03	0.12	
6.104	Rural open/forest	52.21	0.11	1.82	
7.000	Total	68.90	0.17	2.21	



Subcatchment 12S: Area 2- post construction

Summary for Subcatchment 12S: Area 2- post construction

Runoff = 12.19 cfs @ 12.16 hrs, Volume= 1.052 af, Depth= 1.80"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

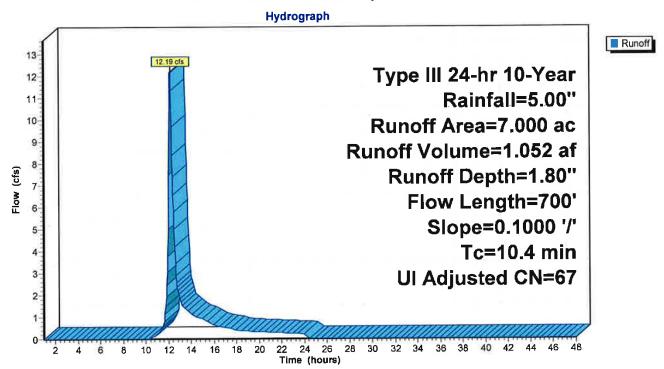
Area (ac)	CN	Description		Land Use	
6.104	65	Woods/grass	comb., Fair, HSG	B Rural open/forest	
0.350	85	Gravel roads,	HSG B	Driveway	
0.500	98	Unconnected	pavement, HSG B	Commercial general	
0.046	98	Unconnected i		Commercial Roof	
7.000	69	Weighted Ave	rage, UI Adjusted	CN = 67	
6.454		92.20% Pervic	us Area		
0.546		7.80% Impervi	ous Area		
0.546		100.00% Unco	onnected		
Tc Leng	gth 3	Slope Velocity		ription	

(min) (feet) (ft/ft) (ft/sec)	(cfs)
-------------------------------	-------

10.4	700	0.1000	1.13	Lag/CN Method,
------	-----	--------	------	----------------

Pollutant Loading for 1.80" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.046	Commercial Roof	0.17	0.00	0.04	
0.500	Commercial general	15.73	0.07	0.61	
0.350	Driveway	24.74	0.08	0.30	
6.104	Rural open/forest	127.20	0.27	4.44	
7.000	Total	167.84	0.42	5.39	



Subcatchment 12S: Area 2- post construction

Summary for Subcatchment 12S: Area 2- post construction

Runoff = 15.31 cfs @ 12.16 hrs, Volume= 1.302 af, Depth= 2.23"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 25-Year Rainfall=5.60"

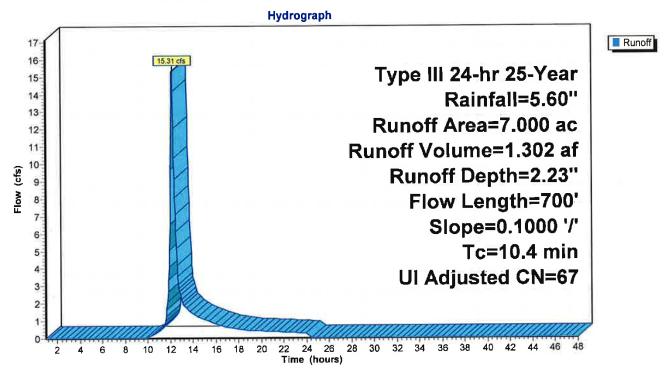
 Area (ac)	CN	Description		Land Use				
6.104	65	Woods/grass	comb., Fair, HSG B	Rural open/forest				
0.350	85	Gravel roads,	HSG B	Driveway				
0.500	98	Unconnected	pavement, HSG B	Commercial general				
0.046	98	Unconnected i	oofs, HSG B	Commercial Roof				
7.000	69	Weighted Ave	rage, UI Adjusted C	N = 67				
6.454	-	92.20% Pervic						
0.546	;	7.80% Impervi	7.80% Impervious Area					
0.546	;	100.00% Unco	nnected					
Tc Le	nath	Slope Velocity	Capacity Descri	ption				

		(cfs)	Description

10.4 700 0.1000 1.13 Lag/CN Method,

Pollutant Loading for 2.23" runoff

Area	Land	TSS	TP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
0.046	Commercial Roof	0.21	0.00	0.05	
0.500	Commercial general	19.48	0.08	0.75	
0.350	Driveway	30.63	0.10	0.37	
6.104	Rural open/forest	157.48	0.34	5.50	
7.000	Total	207.80	0.53	6.67	



Subcatchment 12S: Area 2- post construction

Summary for Subcatchment 12S: Area 2- post construction

Runoff = 23.63 cfs @ 12.15 hrs, Volume= 1.976 af, Depth= 3.39"

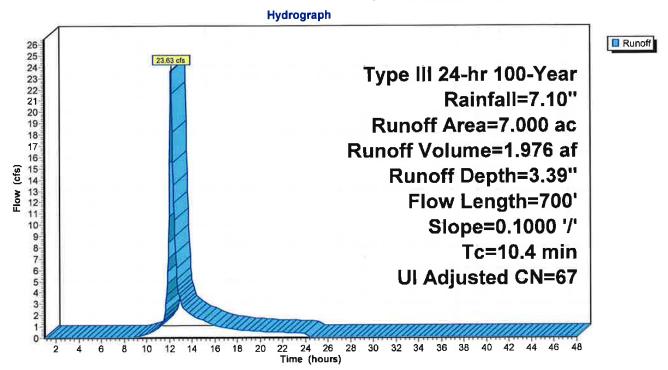
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

	Area (ac)	CN	Description	Land Use	
	6.104	65	Woods/grass comb., Fair, HSG I	B Rural open/forest	
	0.350	85	Gravel roads, HSG B	Driveway	
	0.500	98	Unconnected pavement, HSG B	Commercial general	
	0.046	98	Unconnected roofs, HSG B	Commercial Roof	
-	7.000	69	Weighted Average, UI Adjusted	CN = 67	
	6.454		92.20% Pervious Area		
	0.546 7.80% Impervious Area				
	0.546		100.00% Unconnected		
	To lend	nth 9	Slone Velocity Capacity Desci	intion	

IG	Lengin	Siope	velocity	Capacity	Description	
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)		
10.4	700	0.1000	1.13		Lag/CN Method,	

Pollutant Loading for 3.39" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.046	Commercial Roof	0.32	0.00	0.07	
0.500	Commercial general	29.55	0.13	1.14	
0.350	Driveway	46.47	0.15	0.56	
6.104	Rural open/forest	238.93	0.52	8.34	
7.000	Total	315.27	0.80	10.12	



Subcatchment 12S: Area 2- post construction

Summary for Subcatchment 12S: Area 2- post construction

Runoff = 0.00 cfs @ 24.01 hrs, Volume= 0.000 af, Depth= 0.00"

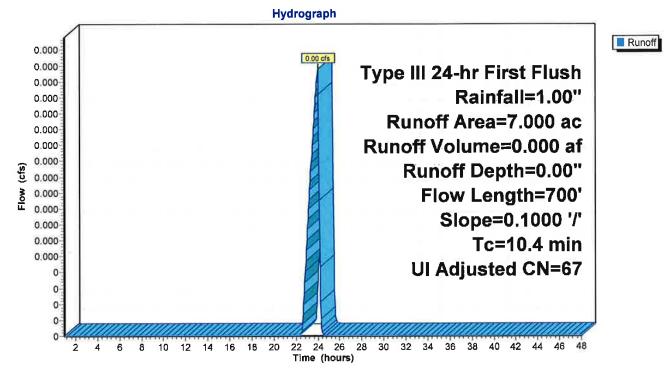
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr First Flush Rainfall=1.00"

	Area (ac)) CN	Description		Land Use		
	6.104	65	Woods/grass	comb., Fair, HSG E	3 Rural open/forest		
	0.350) 85	Gravel roads,	HSG B	Driveway		
	0.500) 98	Unconnected	pavement, HSG B	Commercial general		
	0.046	98	Unconnected	roofs, HSG B	Commercial Roof		
	7.000	CN = 67					
	6.454 92.20% Pervious Área 0.546 7.80% Impervious Area						
	0.546	5	100.00% Unco	onnected			
	Tc Le	ength	Slope Velocity	Capacity Descr	iption		

10.4	700	0.1000	1.13	Lag/CN Method,
------	-----	--------	------	----------------

Pollutant Loading for 0.00" runoff

Area	Land	TSS	TP	TN	
(acres)	Use	(pounds)	(pounds)	(pounds)	
0.046	Commercial Roof	0.00	0.00	0.00	
0.500	Commercial general	0.00	0.00	0.00	
0.350	Driveway	0.00	0.00	0.00	
6.104	Rural open/forest	0.00	0.00	0.00	
7.000	Total	0.00	0.00	0.00	



Subcatchment 12S: Area 2- post construction

HydroCAD® 9.1	10 s/n 06522	© 2010 Hyd	drocad so	mware Solui	IONS LLC		Page I
		Summa	ary for S	ubcatchn	ent 3S: Area	a 3	
Runoff =	3.21 cfs	@ 12.20	hrs, Volu	me=	0.352 af, De	pth= 0.65"	
Runoff by SCS Type III 24-hr			CS, Time S	Span= 1.00·	48.00 hrs, dt=	0.05 hrs	
Area (ac)	CN Desc	ription			_and Use		
6.500		ls/grass co	omb., Fair,	HSG B	Rural open/fore	est	
6.500	100.0	0% Pervic	ous Area				
Tc Leng (min) (fe		Velocity (ft/sec)	Capacity (cfs)	Descriptio	n		
11.8 4	55 0.0480	0.64		Lag/CN M	ethod,		
Pollutant Load	ling for 0.65" r	runoff					
Area	Land		TSS	TP	TN		
(acres)	Use		oounds)	(pounds)	(pounds)		
6.500	Rural open/f	orest	48.80	0.11	1.70		
6.500	Total		48.80	0.11	1.70		
			Subcatc	hment 3S	: Area 3		
			Hydro	graph			r
Flow (cfs)					Ranoff Ar Inoff Volu Runoff Flow Slo	24-hr 2-Yea ainfall=3.30 ea=6.500 ao me=0.352 a Depth=0.65 Length=455 pe=0.0480 '/ Tc=11.8 min CN=6	" C If " 5' /'

22 24 26 28 30 32 34 36 38 40 42 44 46 48 Time (hours)

Prepared by ZAPATA Incorporated HydroCAD® 9.10 s/n 06522 © 2010 HydroCAD Software Solutions LLC

Wind-Prospect

0-

2

4

6 8 10 12 14 16 18 20

Page 1

Post-development Type III 24-hr 2-Year Rainfall=3.30"

	Post-development
Type III 24-hr 10-Ye	ar Rainfall=5.00"

Summary for Subcatchment 3S: Area 3

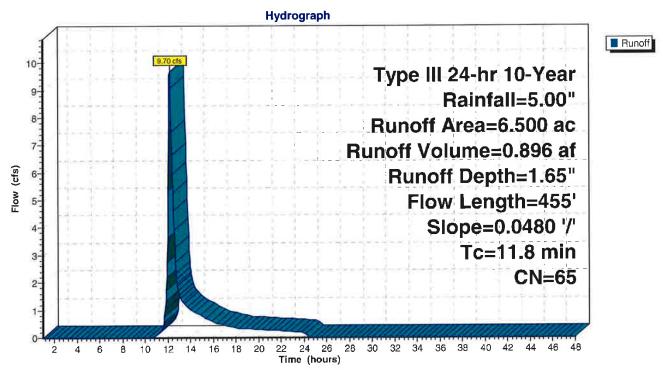
Runoff	=	9.70 cfs @	12.18 hrs, Volume=	0.896 af, Depth= 1.65"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

	Area	(ac) C	N Dese	cription		Land Use		
	6.	500 6	65 Woo	ods/grass o	comb., Fair,	HSG B Rural open/forest		
	6.	500	100.	00% Pervi	ous Area			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description		
	11.8	455	0.0480	0.64		Lag/CN Method,		
_								

Pollutant Loading for 1.65" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	124.22	0.27	4.34	
6.500	Total	124.22	0.27	4.34	



Summary for Subcatchment 3S: Area 3

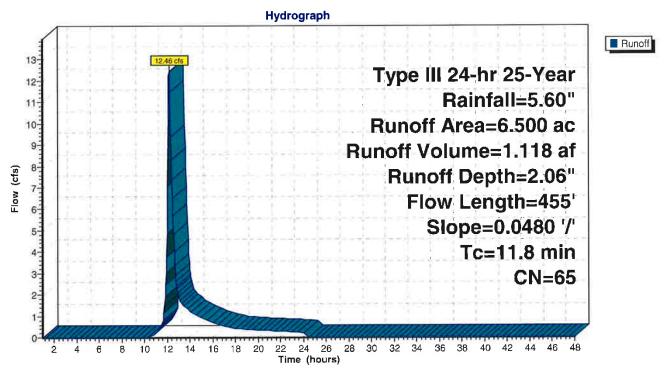
Runoff	=	12.46 cfs @	12.17 hrs,	Volume=	1.118 af,	Depth= 2.06"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 25-Year Rainfall=5.60"

	Area	(ac) C	N Dese	cription		Land Use
	6.	500 6	35 Woo	ds/grass c	comb., Fair,	, HSG B Rural open/forest
	6.	500	100.	00% Pervi	ous Area	
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
-	11.8	455	0.0480	0.64		Lag/CN Method,

Pollutant Loading for 2.06" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
<u>(acres)</u> 6.500	Rural open/forest	155.12	(pounds) 0.33	(pounds) 5.41	
6.500	Total	155.12	0.33	5.4 1	



Post-development "Type III 24-hr 100-Year Rainfall=7.10

Page 4

Summary for Subcatchment 3S: Area 3

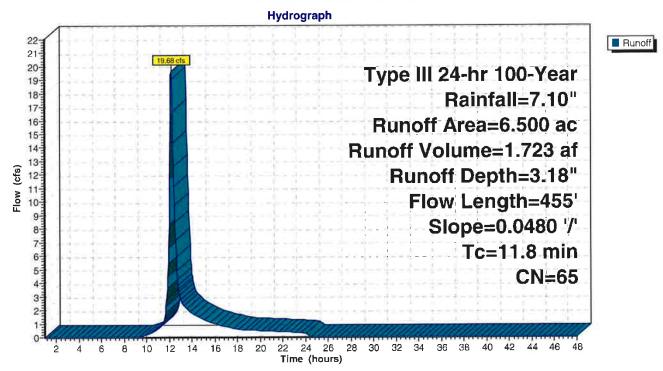
Runoff	=	19.68 cfs @	12.17 hrs,	Volume=	1.723 af,	Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

1.2	Area	(ac) C	N Des	cription		Land Use	
	6.	500 6	65 Woo	ds/grass d	omb., Fair,	r, HSG B Rural open/forest	
	6.	500	100.	00% Pervi	ous Area		
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	
	11.8	455	0.0480	0.64		Lag/CN Method,	

Pollutant Loading for 3.18" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	238.90	0.52	8.34	
6.500	Total	238.90	0.52	8.34	



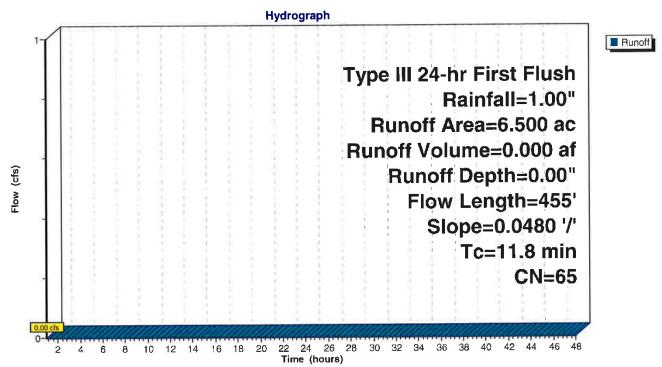
Po	st-development
Type III 24-hr First Flush	Rainfall=1.00"

Summary for Subcatchment 3S: Area 3

Runoff	=	0.00 cfs @	1.00 hrs,	Volume=	0.000 af,	Depth= 0.00"
		-20 method, Ul Flush Rainfal		ime Span= 1.00-/	48.00 hrs, c	dt= 0.05 hrs

Area	(ac) C	N Desc	cription		Land Use				
6.	.500 6	5 Woo	ds/grass c	omb., Fair,	HSG B Rural open/forest				
6.	.500	100.	00% Pervi	ous Area					
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
11.8	455	0.0480	0.64		Lag/CN Method,				
Pollutan	Pollutant Loading for 0.00" runoff								

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
6.500	Rural open/forest	0.00	0.00	0.00	
6.500	Total	0.00	0.00	0.00	



Summary for Subcatchment 10S: Area 4- post construction

Runoff = 19.50 cfs @ 12.37 hrs, Volume= 2.653 af, Depth= 0.65"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 2-Year Rainfall=3.30"

	Area (ac	:) CN	Desc	cription			Land Use	
	48,000	0 65	Woo	ds/grass c	omb., Fair,	HSG B	Rural open/forest	
	0.50	0 98			avement, H		Commercial general	
	0.50	0 85	Grav	/el roads, l	ISG B		Driveway	
-	49.00	0 66	Wei	ghted Aver	age, UI Ad	justed CN	= 65	
	48.50	0		8% Pervio				
	0.50	0	1.02	% Impervi	ous Area			
	0.50	0	100.	00% Unco	nnected			
		ength	Slope	Velocity	Capacity	Descript	ion	
	(min)	(foot)	/f+/f+\	(ft/coc)	(cfe)			

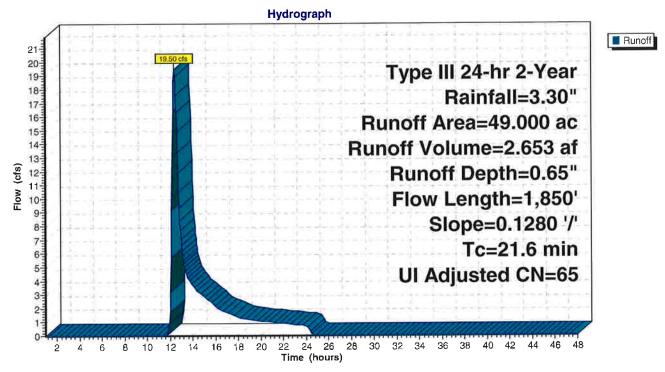
_	(min)	(reet)	(1011)	(insec)	(CIS)	
	21.6	1,850	0.1280	1.43		Lag/CN Method,

Pollutant Loading for 0.65" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.500	Commercial general	5.67	0.02	0.22	
0.500	Driveway	12.73	0.04	0.15	
48.000	Rural open/forest	360.37	0.78	12.58	
49.000	Total	378.78	0.84	12.95	

Post-development Type III 24-hr 2-Year Rainfall=3.30"

Page 2



Subcatchment 10S: Area 4- post construction

Summary for Subcatchment 10S: Area 4- post construction

Runoff = 58.54 cfs @ 12.32 hrs, Volume= 6.752 af, Depth= 1.65"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 10-Year Rainfall=5.00"

Area (ac)	CN	Description		Land Use	
48.000	65	Woods/grass of	omb., Fair, HS	SG B Rural open/forest	
0.500	98	Unconnected p	avement, HSC	G B Commercial general	
0.500	85	Gravel roads,	HSG B	Driveway	
49.000	66	Weighted Ave	rage, UI Adjust	ted $CN = 65$	
48.500		98.98% Pervic	us Area		
0.500		1.02% Impervi	ous Area		
0.500		100.00% Unco	nnected		
Tc Len	gth 🛛	Slope Velocity		escription	
(min) (fe	et)	(ft/ft) (ft/sec)	(cfs)		

UUIU}	(leel)	(IVII)	(IVSEC)	(015)
21.6	1,850	0.1280	1.43	Lag/CN Method,

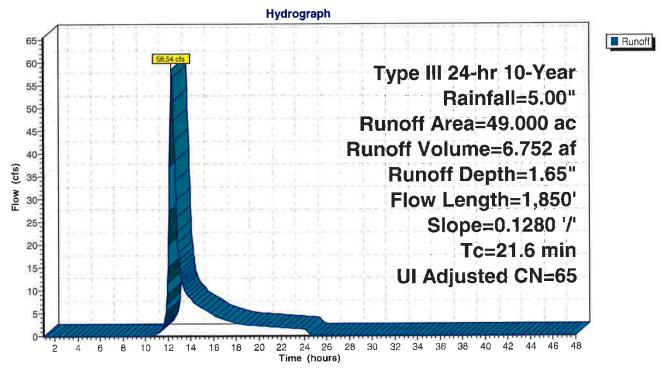
Pollutant Loading for 1.65" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.500	Commercial general	14.43	0.06	0.56	
0.500	Driveway	32.41	0.10	0.39	
48.000	Rural open/forest	917.29	1.98	32.02	
49.000	Total	964.13	2.15	32.97	

Post-development Type III 24-hr 10-Year Rainfall=5.00"

Wind-Prospect 7 Prepared by ZAPATA Incorporated 7 HydroCAD® 9.10 s/n 06522 © 2010 CAD Software Solutions LLC 7

Page 4



Subcatchment 10S: Area 4- post construction

Summary for Subcatchment 10S: Area 4- post construction

Runoff = 74.53 cfs @ 12.32 hrs, Volume= 8.432 af, Depth= 2.06"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 25-Year Rainfall=5.60"

	Area	(ac)	CN	Desc	ription			Land Use
	48.	000	65	Woo	ds/grass c	omb., Fair,	HSG B	Rural open/forest
	0.	500	98	Unco	onnected p	avement, H	ISG B	Commercial general
2	0.	500	85	Grav	el roads, l	ISG B		Driveway
	49.	000	66	Weig	phted Aver	age, UI Ad	justed CN	= 65
	48.	500		98.9	8% Pervio	us Area		
	0.	500		1.02°	% Impervie	ous Area		
	0.	500		100.0	00% Unco	nnected		
	Тс	Length	า 5	Slope	Velocity	Capacity	Descripti	ion
(min)	(feet))	(ft/ft)	(ft/sec)	(cfs)		

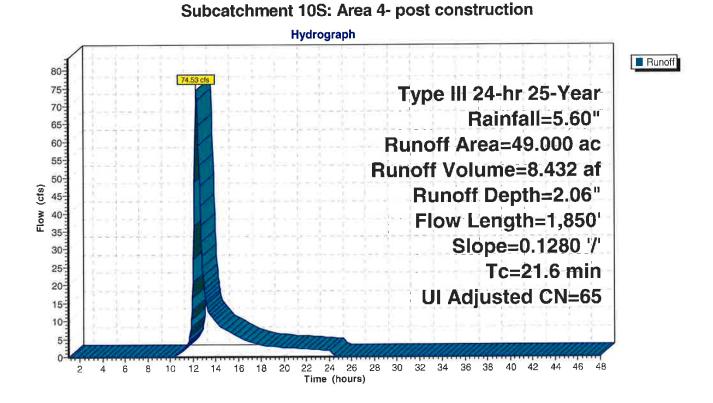
21.6 1,850 0.1280 1.43 Lag/CN Method,

Pollutant Loading for 2.06" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.500	Commercial general	18.02	0.08	0.69	
0.500	Driveway	40.48	0.13	0.49	
48.000	Rural open/forest	1,145.49	2.47	39.98	
49.000	Total	1,203.98	2.68	41.17	

Post-development Type III 24-hr 25-Year Rainfall=5.60"

Page 6



Summary for Subcatchment 10S: Area 4- post construction

Runoff = 117.62 cfs @ 12.31 hrs, Volume= 12.985 af, Depth= 3.18"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr 100-Year Rainfall=7.10"

Area (ac) CN	Description		Land Use	
48.00	0 65	Woods/grass co	omb., Fair, HSG I	B Rural open/forest	
0.50	0 98	Unconnected pa	avement, HSG B	Commercial general	
0.50	0 85	Gravel roads, H	ISG B	Driveway	
49.00	0 66	Weighted Avera	age, UI Adjusted	CN = 65	
48.50	0	98.98% Perviou	is Area		
0.50	0	1.02% Impervic	ous Area		
0.50	0	100.00% Uncor	nected		
	ength	Slope Velocity	Capacity Desc	ription	

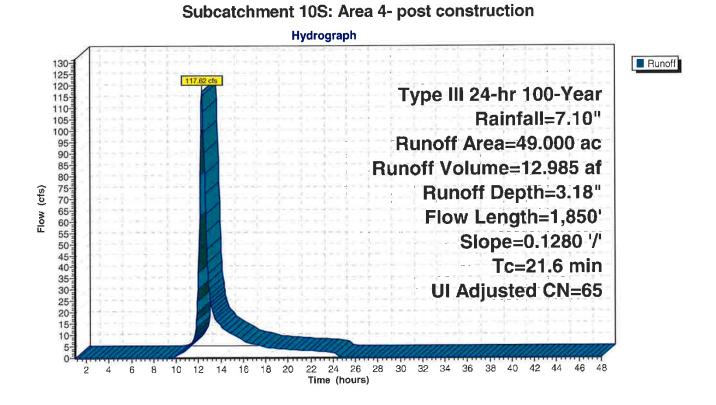
(min)	(teet)	(11/11)	(IVSec)	(cis)
21.6	1,850	0.1280	1.43	Lag/CN Method,

Pollutant Loading for 3.18" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.500	Commercial general	27.75	0.12	1.07	
0.500	Driveway	62.34	0.20	0.76	
48.000	Rural open/forest	1,764.15	3.81	61.57	
49.000	Total	1,854.23	4.13	63.40	

Post-development Type III 24-hr 100-Year Rainfall=7.10"

Page 8



Summary for Subcatchment 10S: Area 4- post construction

Runoff = 0.00 cfs @ 1.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs Type III 24-hr First Flush Rainfall=1.00"

	Area (a	ac)	CN	Desc	ription			Land Use	
-	48.0	00	65	Woo	ds/grass c	omb., Fair,	HSG B	Rural open/forest	
	0.5	00	98	Unco	onnected p	avement, I	ISG B	Commercial general	3
	0.5	600	85	Grav	el roads, l	ISG B		Driveway	
	49.0	000	66	Weig	phted Aver	age, UI Ad	usted CN	= 65	
	48.5	600		98.9	8% Pervio	us Area			
	0.5	600		1.02	% Impervie	ous Area			
	0.5	500		100.	00% Unco	nnected			
	Тс	Lengt		Slope	Velocity	Capacity	Descripti	on	
	(min)	(fee	t)	(ft/ft)	(ft/sec)	(cfs)			

A Print I	(1000)	(((/
21.6	1,850	0.1280	1.43	Lag/CN Method,

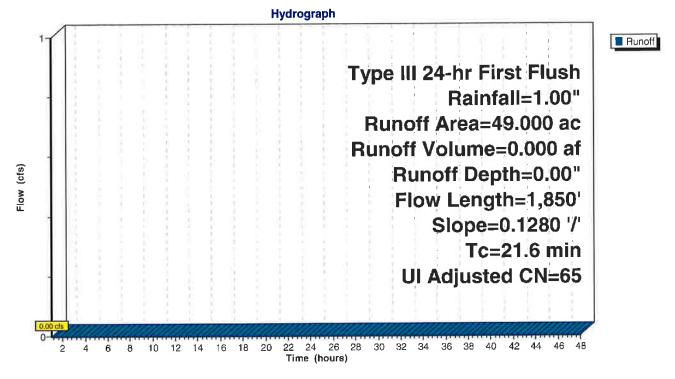
Pollutant Loading for 0.00" runoff

Area (acres)	Land Use	TSS (pounds)	TP (pounds)	TN (pounds)	
0.500	Commercial general	0.00	0.00	0.00	
0.500	Driveway	0.00	0.00	0.00	
48.000	Rural open/forest	0.00	0.00	0.00	
49.000	Total	0.00	0.00	0.00	

Post-development Type III 24-hr First Flush Rainfall=1.00"

Page 10

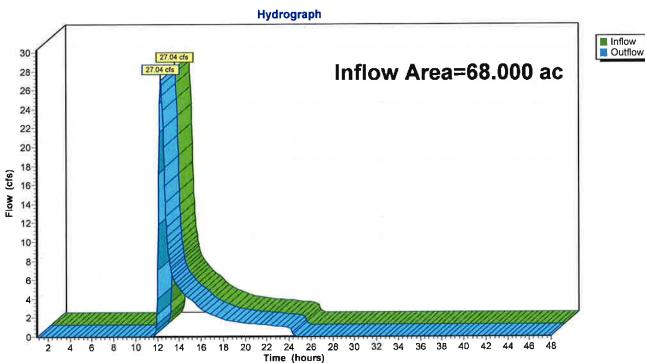
Subcatchment 10S: Area 4- post construction



Summary for Reach 9R: Delineated Wetland

Inflow Area =	68.000 ac,	1.54% Impervious, Inflow D	epth = 0.67"	for 2-Year event
Inflow =		12.35 hrs, Volume=	3.775 af	
Outflow =	27.04 cts @	12.35 hrs, Volume=	3.775 at, Atte	en= 0%, Lag= 0.0 min

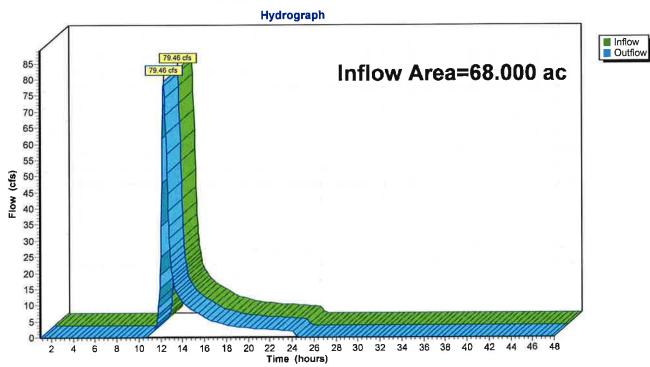
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Area	a =	68.000 ac,	1.54% Impervious, Infl	ow Depth = 1.68"	for 10-Year event
Inflow	=	79.46 cfs @	12.30 hrs, Volume=	9.526 af	
Outflow	=	79.46 cfs @	12.30 hrs, Volume=	9.526 af, Atte	en= 0%, Lag= 0.0 min

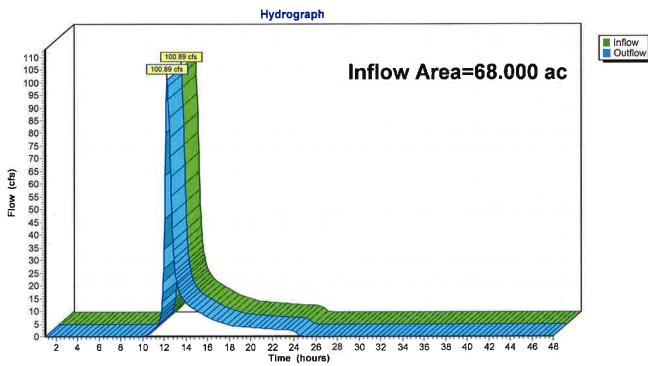
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Are	a =	68.000 ac,	1.54% Impervious, Inflow	Depth = 2.10"	for 25-Year event
Inflow	=	100.89 cfs @	12.30 hrs, Volume=	11.875 af	
Outflow	=	100.89 cfs @	12.30 hrs, Volume=	11.875 af, Atte	en= 0%, Lag= 0.0 min

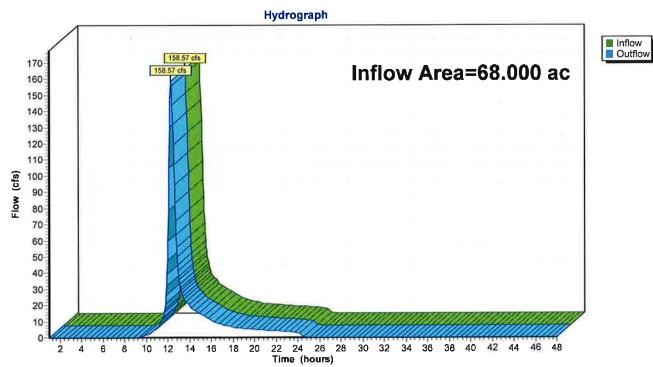
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Are	a =	68.000 ac,	1.54% Impervious, Inflow I	Depth = 3.22"	for 100-Year event
Inflow	=	158.57 cfs @	12.29 hrs, Volume=	18.236 af	
Outflow	=	158.57 cfs @	12.29 hrs, Volume=	18.236 af, Atte	en= 0%, Lag= 0.0 min

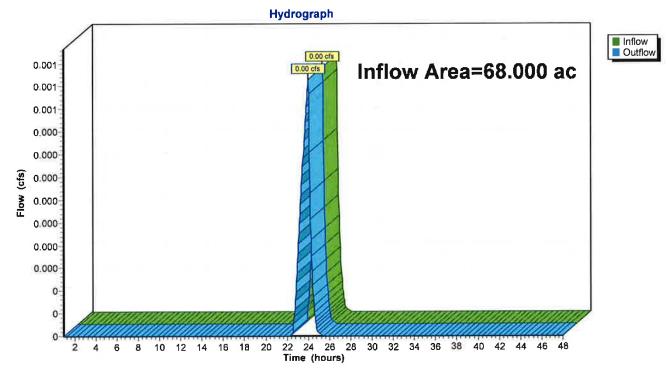
Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Summary for Reach 9R: Delineated Wetland

Inflow Area =	68.000 ac,	1.54% Impervious, Inflow De	pth = 0.00"	for First Flush event
Inflow =	0.00 cfs @	,	0.000 af	
Outflow =	0.00 cfs @	24.03 hrs, Volume=	0.000 af, Att	en= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



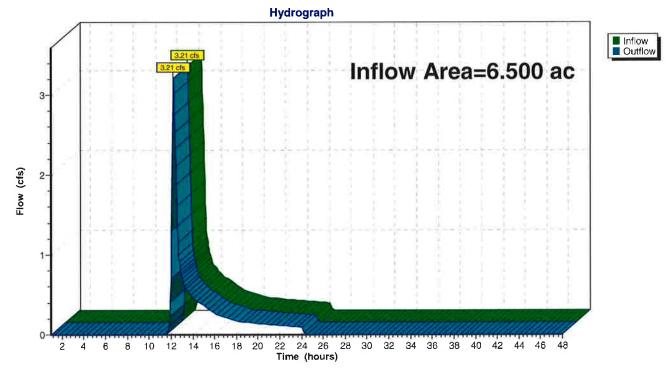
Post-development Type III 24-hr 2-Year Rainfall=3.30"

Page 1

Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious, In	flow Depth = 0.65"	for 2-Year event
Inflow	=	3.21 cfs @	12.20 hrs, Volume=	0.352 af	
Outflow	=	3.21 cfs @	12.20 hrs, Volume=	0.352 af, Atte	en= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



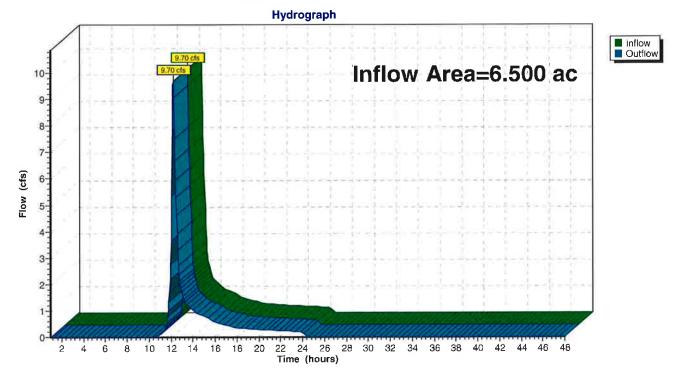
Post-development Type III 24-hr 10-Year Rainfall=5.00"

Page 2

Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious	, Inflow Depth = 1	1.65" for 10-Year event
Inflow	=	9.70 cfs @	12.18 hrs, Volum	e= 0.896 a	ıf
Outflow	=	9.70 cfs @	12.18 hrs, Volum	e= 0.896 a	tf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



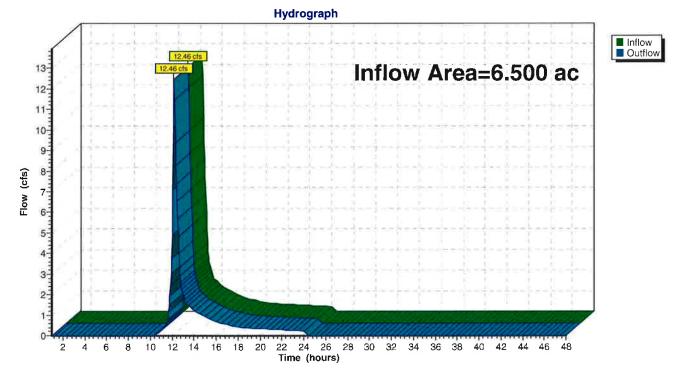
Post-development Type III 24-hr 25-Year Rainfall=5.60"

Page 3

Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious,	Inflow Depth = 2.06	for 25-Year event
Inflow	=	12.46 cfs @	12.17 hrs, Volume=	= 1.118 af	
Outflow	=	12.46 cfs @	12.17 hrs, Volume=	= 1.118 af, A	tten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



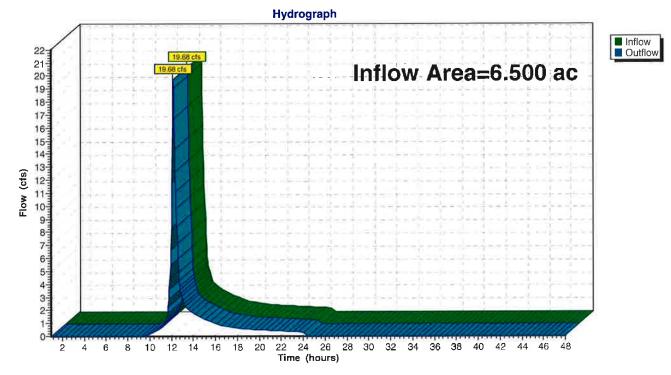
Post-development "Type III 24-hr 100-Year Rainfall=7.10

Page 4

Summary for Reach 8R: Watercourse 1-

Inflow Are	a =	6.500 ac,	0.00% Impervious, Inflow	Depth = 3.18"	for 100-Year event
Inflow	=	19.68 cfs @	12.17 hrs, Volume=	1.723 af	
Outflow	=	19.68 cfs @	12.17 hrs, Volume=	1.723 af, Atte	ən= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs



Page 5

Summary for Reach 8R: Watercourse 1-

Inflow Area	a =	6.500 ac,	0.00% Impervious, Inflow	Depth = 0.00°	for First Flush event
Inflow	=		1.00 hrs, Volume=	0.000 af	
Outflow	=	0.00 cfs @	1.00 hrs, Volume=	0.000 at, Atte	en= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-48.00 hrs, dt= 0.05 hrs

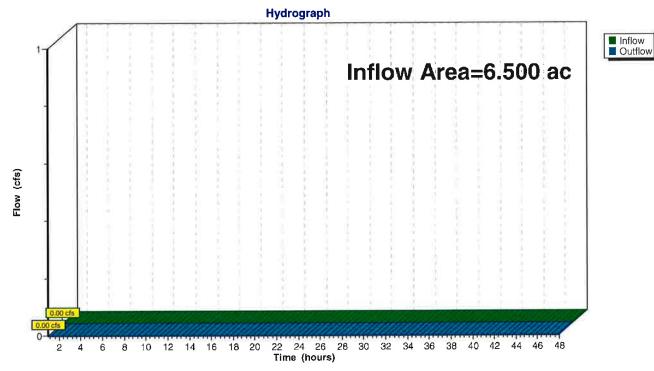


EXHIBIT H

EROSION AND SEDIMENT CONTROL PLAN

WIND PROSPECT

PROSPECT, CONNECTICUT

Prepared for:



BNE Energy 29 South Main Street Town Center, Suite 200 West Hartford, CT 06107

by:



6302 Fairview Road, Suite 600 Charlotte, NC 28210

NOVEMBER 2010

EROSION AND SEDIMENT CONTROL PLAN

WIND PROSPECT PROSPECT, CONNECTICUT

November 2010

Prepared for:

BNE Energy 29 South Main Street Town Center, Suite 200 West Hartford, CT 06107 Phone (800) 450-0503

by:

Zapata Incorporated 6302 Fairview Road, Suite 600 Charlotte, North Carolina 28210 Phone (704) 358-8240



TABLE OF CONTENTS

1.0	PRO	JECT INTRODUCTION 1-1
1.1	SITE	2 SUMMARY
1	.1.1	Existing Conditions1-1
1	.1.2	Project Description1-1
1	.1.3	Site Specific Concerns 1-1
1	1.1.4	Construction Schedule
1.2		JECT OWNER AND OPERATOR1-1
1.3	Soii	LS, SLOPES, VEGETATION, AND CURRENT DRAINAGE PATTERNS 1-2
1	1.3.1	Soil type(s) 1-2
1	1.3.2	Slopes
1	1.3.3	Drainage Patterns
	1.3.4	Vegetation 1-2
1.4	SITE	E FEATURES AND SENSITIVE AREAS TO BE PROTECTED
1	1.4.1	Receiving Waters and TMDL Applicability
1	1.4.2	Wetlands1-2
2.0	CON	STRUCTION ACTIVITIES
2.1	DES	CRIPTION OF CONSTRUCTION ACTIVITY
2.2		STRUCTION SITE ESTIMATES
3.0	BES	T MANAGEMENT PRACTICES
3.1	STR	UCTURAL CONTROL PRACTICES
3.2		IPORARY EROSION CONTROL PRACTICES
3	3.2.1	Sediment Fence (GSF)
3	3.2.2	Hay Bale Barrier (HB)
3	3.2.3	Stone Check Dam (SCD)
3	3.2.4	Temporary Pipe Slope Drain (TSD)
3	3.2.5	Temporary Diversion (TD)
3	3.2.6	Temporary Fill Berm (TFB)
3	3.2.7	Temporary Sediment Trap (TST)
	3.2.8	Construction Entrance (CE)
2	3.2.9	Tree Protection (TP)
2	3.2.10	Temporary Erosion Control Blankets (ECB)
3.3		L STABILIZATION PRACTICES
3.4	MA	INTENANCE AND INSPECTIONS
3.5	Fin	AL STABILIZATION
2	3.5.1	Seeding
3	3.5.2	Fertilizer
2	3.5.3	Mulching
2	3.5.4	Topsoiling
2	3.5.5	Temporary Control Removal
4.0	APP	ENDICES

Section 1.0
PROJECT INTRODUCTION

1.0 PROJECT INTRODUCTION

Project/Site Information:

Project/Site Name:	Wind Prospect	
Location:	178 New Haven Road Prospect, Connecticut	
Latitude/Longitude:	Latitude: 41º 28' 31" N	Longitude: 72° 58' 20" W

Method for determining latitude/longitude: Google Earth

1.1 SITE SUMMARY

1.1.1 Existing Conditions

Located at 178 New Haven Road, the project site currently consists of approximately 67.5 acres of primarily undeveloped property. Development on the property is limited to a telecommunications tower, height approximately 160 feet, in the southeast corner of the property. The Property is located approximately 1,760 feet from the Prospect and Bethany town line and approximately 430 feet from the New Naugatuck reservoir. The surrounding land uses are mixed, consisting of both commercial and residential development. The site is currently accessed via Kluge Road. This access point will be maintained throughout the construction process. Currently, there are no structural stormwater discharge points. All stormwater flows over land to discharge points off site.

1.1.2 Project Description

The developer plans to install two wind turbines at the property: both in the western portion of the property with one in the southwest corner and one in northwestern portion of the Property. In addition to the two turbines, the project will include construction of temporary equipment lay-down areas for both turbines, crane assembly area, access road, permanent facility support building and associated ground equipment including an electrical collector yard and associated utility infrastructure so that the turbines can be interconnected to the electrical grid. Following completion of the project, all temporary structures will be removed and the site returned to preconstruction conditions.

1.1.3 Site Specific Concerns

The terrain and existing topography of the project site is such that during construction special care will be required to ensure that all BMPs remain intact and functioning.

1.1.4 Construction Schedule

Currently specific dates for construction have not been determined but anticipate construction to begin in spring 2011. Specific dates will be provided to the reviewing officials.

1.2 PROJECT OWNER AND OPERATOR

The project owner and operator, BNE Energy, will be the responsible entity for completing the project. The address and telephone is:

BNE Energy 29 South Main Street Town Center Suite 200 West Hartford, CT 06107 (800) 450-0503

1.3 SOILS, SLOPES, VEGETATION, AND CURRENT DRAINAGE PATTERNS

1.3.1 Soil type(s)

Based upon a review of typical geologic conditions and the National Soil Cooperative Survey, the soils have been classified as (1) Ridgebury, Leicester, and Whitman soils - Extremely stony; (2) Canton and Charlton 3 to 15 percent slopes - extremely stony; (3) Paxton and Montauk fine sandy loams ranging from 3 to 25 percent slopes; and (4) Paxton and Montauk fine sandy loams ranging from 8 to 15 percent slopes -very stony.

1.3.2 Slopes

The project site consists of varying slope conditions ranging from relatively flat conditions in the area of the existing cell tower to steep slopes along the northern and western property boundary.

1.3.3 Drainage Patterns

Existing site topography is such that runoff migrates, typically via overland sheet flow, through the site to a delineated wetland area. These wetlands generally occur on the hillside where the topographical gradient subsides and the seasonal high groundwater persists long enough for reducing soil conditions to exist. Additional drainage patterns were identified through several hillside seepage areas that were delineated on side slopes with exfiltrated groundwater.

1.3.4 Vegetation

The majority of the property is covered by second growth, upland forest, but also includes several forested hillside seep wetlands and watercourses as well as nine acres of early old field meadow habitat situated at the highest elevation on the property.

1.4 SITE FEATURES AND SENSITIVE AREAS TO BE PROTECTED

1.4.1 Receiving Waters and TMDL Applicability

New Naugatuck Reservoir, located approximately 430 feet to the west / southwest of the property boundary and approximately 1200 feet from the nearest proposed tower location. This water body is not considered impaired and is not listed on the most current 303(d) listing of impaired waterways.

Also adjacent to the property to the north a watercourse flows from beneath New Haven Road. While not shown as a perennial watercourse on USGS mapping, field observations indicate this watercourse may be perennial.

1.4.2 Wetlands

Within to the property boundary a wetland has been identified and delineated. Mitigation and impacts are discussed in the environmental assessment completed by VHB, Inc.

Section 2.0 CONSTRUCTION ACTIVITIES

2.0 CONSTRUCTION ACTIVITIES

2.1 DESCRIPTION OF CONSTRUCTION ACTIVITY

Prior to construction BNE will complete all pre-construction planning activities. BNE will continue to consult with municipalities, state agencies and federal agencies, as applicable, and will conduct site surveys to determine construction methodologies and procedures to minimize adverse effects to the environment and public.

Construction will typically consist of activities such as:

- Surveys to stake access roads and structural locations
- Wetland delineation
- Geotechnical investigations
- Establishment of construction staging area
- Installation of sediment and erosion control devices
- Excavation and installation of access roads
- Excavation and installation of lay-down and equipment assembly areas
- Excavation and installation of foundations and erection of new structures
- Installation of conductors
- Restoration of site, including re-establishment of vegetative areas

2.2 CONSTRUCTION SITE ESTIMATES

The following are estimates of the construction site:

Area to be disturbed: 8.36 acres Total Project area: 67.5 acres Percentage impervious area before construction: 0.2% Runoff coefficient before construction: 65 Percentage impervious area after construction: 1.38% Runoff coefficient after construction: 65 Summary of groundwater recharge: 0.008 AC-FT

Section 3.0 EROSION CONTROL BMP'S

3.0 BEST MANAGEMENT PRACTICES

Soil erosion and sediment controls are measures that are used to reduce the amount of soil particles that are carried from a land area and deposited in receiving waters. This section provides a general description of the most appropriate control measures proposed for the Project. The permittee's construction contractor(s) and their subcontractors will be responsible for amending the erosion and sediment controls in the SWPPP for their portion(s) of the project. Based on field conditions at the time of construction, the contractors or subcontractors may adjust the locations and types of BMPs so that erosion and sedimentation are controlled to the maximum extent practicable. However, in no case will modifications to the SWPPP result in any less stringent erosion and sedimentation control measures than specified herein.

3.1 STRUCTURAL CONTROL PRACTICES

Structural control practices divert flows from exposed soils, store water flow, or otherwise limit runoff from exposed areas of the site. Such practices may include silt fences, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, rock outlet protection (rip-rap), reinforced soil retaining systems, and temporary or permanent sediment basins. Some of these practices may be used as both temporary and permanent control measures. Structural control practices should be placed in upland areas to the degree practicable to prevent erosion and reduce sedimentation in lower elevation areas.

3.2 TEMPORARY EROSION CONTROL PRACTICES

Erosion and sediment control measures will be in place prior to the initiation of soil disturbing activities and will be maintained throughout construction. The contractor may need erosion control measures in other locations of the project as work progresses to keep sediment from leaving the construction site. These measures will be determined by the contractor in the field; if measures are changed in the field, the SWPPP must be modified accordingly. All temporary erosion controls will be removed after the protected area is finally stabilized. The minimum temporary erosion and sediment control practices that will be used for the Project are discussed in the following sections.

3.2.1 Sediment Fence (GSF)

Will retain sediment from small disturbed areas. Sediment fence will be placed along slopes as shown on construction details. The contractor will use his best judgment to install additional sediment fence as necessary to prevent loss of sediment. Refer to section 5-11 of 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

Maintenance: Inspect the silt fence at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. When used for dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits, or if room allows, install a second silt fence up slope from the existing fence when deposits reach approximately one half the height of the existing fence. Replace or repair within 24 hours of an observed failure. Refer to Connecticut Guidelines for Soil Erosion and Sediment Control figure GF-5 for troubleshooting failures. Maintain silt fence until the contributing area is stabilized.

3.2.2 Hay Bale Barrier (HB)

Will retain sediment from small disturbed areas. Hay bales will be placed along slopes as shown on construction details. The contractor will use his best judgment to install additional hay bales as necessary to prevent loss of sediment. Refer to section 5-11 of 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

Maintenance: Inspect the hay bale barrier at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. When used for dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits, or if room allows, install a secondary barrier up slope from the existing barrier when deposits reach approximately one half the height of the barrier. Replace or repair within 24 hours of an observed failure. Refer to Connecticut Guidelines for Soil Erosion and Sediment Control figure HB-5 for troubleshooting failures. Maintain hay bale barrier until the contributing area is stabilized.

3.2.3 Stone Check Dam (SCD)

Will be used to reduce velocity of concentrated flows, thus reducing erosion of the drainage way.

Maintenance: Inspect the stone check dam at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Remove the sediment deposits when deposits reach approximately one half the height of the check dam. Replace or repair within 24 hours of an observed failure. Maintain until the contributing area is stabilized.

3.2.4 Temporary Pipe Slope Drain (TSD)

Will be used to carry water over excessive changes in grade. TSD's will convey concentrated stromwater runoff flows without causing erosion problems either on or at the toe of the slope.

Maintenance: Inspect the temporary pipe slope drain at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair damage as necessary. Avoid the placement of any material on the top of the pipe and prevent vehicular traffic from crossing the slope drain.

3.2.5 Temporary Diversion (TD)

Will be used to divert sediment laden runoff from a disturbed area to a sediment trapping facility.

Maintenance: When the temporary diversion is located within close proximity to on going construction activities, inspect the diversion at the end of each work day and immediately repair damage caused by construction equipment. Otherwise, inspect the temporary diversion and associated measures at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair within 24 hours of an observed failure.

3.2.6 Temporary Fill Berm (TFB)

Will be used to divert runoff from unprotected fill slopes during construction to a stabilized outlet or sediment trapping facility.

Maintenance: Inspect the temporary fill berm and associated controls at the end of each work day to ensure the criteria for installing the measures have been met. Determine if repair or modification is needed. This measure is temporary and under most situations will be covered the next work day. Maintenance requirements should be minimal. The contractor should avoid placing other material over the berm and construction traffic should not be allowed to cross.

3.2.7 Temporary Sediment Trap (TST)

Will be used to detain sediment laden runoff from small disturbed areas long enough to allow the majority of sediment to settle out.

Maintenance: Inspect the temporary sediment trap and associated controls at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Check the outlet to verify that it is structurally sound and has not been damaged by erosion or construction equipment. The height of the stone outlet should be maintained at least 1 foot below the crest of the embankment. When sediment has accumulated more than one quarter of the minimum wet storage volume, dewater and remove sediment as necessary to restore the trap to its original dimensions.

3.2.8 Construction Entrance (CE)

Will be used to reduce tracking of sediment off site to paved areas.

Maintenance: Maintain the entrance in a condition which will prevent tracking and washing of sediment onto paved surfaces. Provide periodic top dressing with additional stone or additional length as required. Immediately remove all sediment spilled, dropped, washed or tracked onto paved surfaces.

3.2.9 Tree Protection (TP)

Will be used to ensure the survival of existing desirable trees for their effectiveness in soil erosion and sediment control during construction.

Maintenance: Inspect tree protection zones weekly during site construction for damage to the tree crown, trunk and root system. When trees have been damaged or the protection zone has been compromised, consult an arborist licensed in CT to determine how damage should be addressed.

3.2.10 Temporary Erosion Control Blankets (ECB)

Will be used to provide temporary surface protection to disturbed soils to absorb raindrop impact and to reduce sheet and rill erosion.

Maintenance: Inspect temporary erosion control blankets at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs. Repair any dislodged or failed blankets immediately.

3.3 SOIL STABILIZATION PRACTICES

Soil stabilization involves covering disturbed soils with grass, mulch, straw, geotextiles, trees, vines, or shrubs. Stabilization practices for exposed disturbed soils are extremely important while conducting construction activities. Vegetative cover serves to reduce the erosion potential by

absorbing the energy of raindrops, promoting infiltration in lieu of runoff, and reducing the velocity of runoff. Stabilization measures shall be initiated as soon as practicable, but no more than 14 days after construction activities have temporarily or permanently ceased on any portion of the site.

3.4 MAINTENANCE AND INSPECTIONS

All erosion and sediment control devices shall be installed pursuant to the specifications in the construction details. They will be maintained so that they remain effective at all times.

Erosion and sediment control devices will be inspected by qualified personnel at least once every seven calendar days or at least once every 14 calendar days and within 24 hours of each 0.5-inch or greater rainfall event. During each inspection, the construction inspector will complete the Inspection and Maintenance Report Form located in the appendix. This form will be copied and used as necessary. Ineffective temporary erosion control measures will be repaired or replaced before the next storm event or as soon as practicable. The permittee will immediately install additional temporary erosion control devices in any area deemed in need of protection.

Following temporary or final stabilization, inspections must be conducted at least once a month. If construction has been halted due to frozen conditions, regular inspections are not mandatory until one month before the expected thaw. If vegetation establishment is not satisfactory, special steps to correct the problem will be implemented such as over seeding, mulching, sodding, or the use of erosion control blankets. Once a definable area of the construction site has been finally stabilized, no further inspection requirements apply to that area.

3.5 FINAL STABILIZATION

3.5.1 Seeding

The contractor will be responsible for labor, materials, tools, equipment, and other related items required for preparing ground, providing for sowing of seeds, fertilizing, mulching and top dressing, and other management practices required for erosion control and to achieve final stabilization. It will be the contractor's responsibility to make sure that the soil seedbed is not blown, washed, or otherwise removed from the site. The contractor will make repairs (including replacement of lost topsoil and mulch) to the seedbed preparation site in the event of heavy rain, wind, or other natural events that cause damage. When practicable, native plant species should be used for landscaping.

3.5.2 Fertilizer

Soil in areas of disturbance may need supplementation from fertilizer. Soil tests may be necessary to determine the most appropriate fertilizer for each location. Once applied, the fertilizer will be worked into the soil to limit exposure to stromwater. Fertilizer spills will be cleaned up immediately and will not be applied along or in a waterway.

3.5.3 Mulching

Mulching will be used in conjunction with both temporary and permanent seeding practices to enhance success by providing erosion protection prior to the onset of vegetative growth. Mulches enhance plant establishment by moderating soil temperatures and conserving moisture. After seeding, straw or hay mulch will be applied at a rate of two to three tons per acre on the disturbed areas. Other forms of mulch will be applied at a rate designated by the Project Engineer. Mulch will not be applied in wetlands, on lawns, and areas where hydro-mulch is used. Mulch will be anchored immediately after placement on steep slopes and stream banks. Mulch will be held in place by a very thin covering of topsoil, small brush, pins, stakes, wire mesh, asphalt binder, or other adhesive material approved by the project engineer.

3.5.4 Topsoiling

Topsoil should be applied in areas where the subsoil or existing surface soil does not provide an adequate growth medium for the desired vegetation, where soil is too shallow to provide adequate rooting depth, or where the soil contains substances toxic to the desired vegetation. Topsoil shall be reasonably free from subsoil and stumps, roots, brush, stones, and clay lumps or similar objects.

3.5.5 Temporary Control Removal

Temporary erosion controls will be left in place until the Project site is stabilized with a uniform vegetative cover of 70 percent density of the native background vegetative cover on all unpaved areas. Following re-vegetation, the permittee will conduct periodic site visits to make sure that vegetation establishment is satisfactory. If sufficient vegetative cover has not been achieved, additional restoration measures will be implemented. Inspection results will be documented using the Inspection and Maintenance Report Form found in the appendix. All temporary soil erosion and sediment control measures will be removed and disposed of after final site stabilization is achieved and before submitting the NOT.

Section 4.0 EROSION CONTROL PLAN APPENDICES

4.0 **APPENDICES**

Appendix A – Maps and Drawings

- Site Maps
- Site Plans

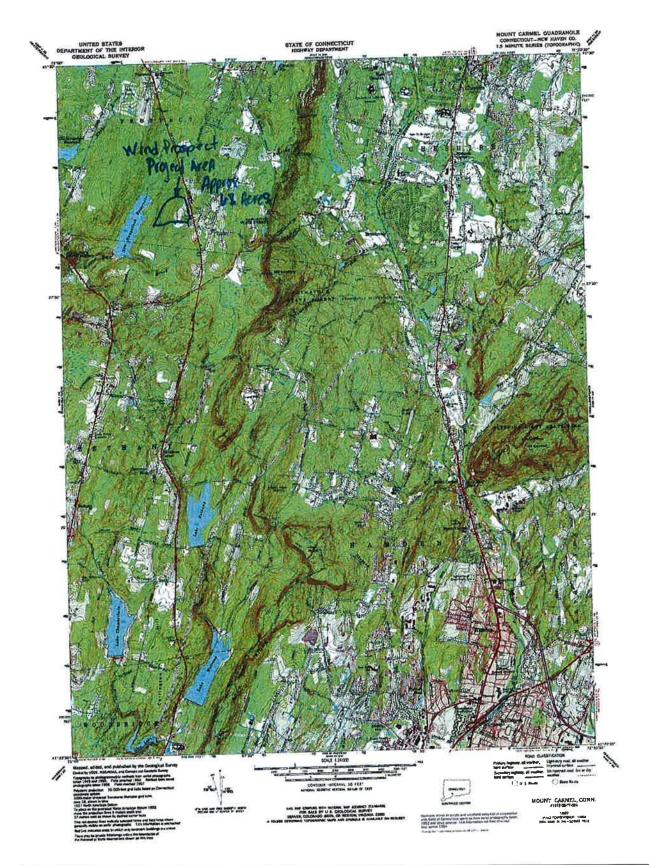
Appendix B – Inspection and Maintenance Records

- Inspection & Maintenance Log
- Inspection Report
- Maintenance Report

Appendix C - Calculations and Supporting Documentation

• Sediment Trap

Appendix A MAPS AND DRAWINGS



Latitude and Longitude

(as indicated on the Permit Application Transmittal Form) Applicant Name:

Method of latitude and longitude determination (check one):

Global Positioning System (GPS)

Other (please specify) Google Earth

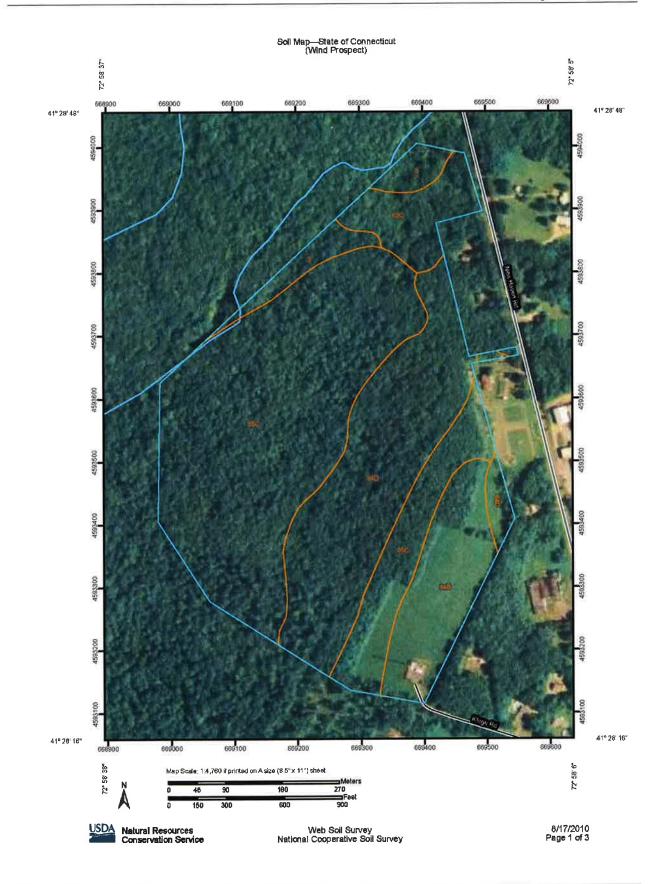
In the table below, label each point for which latitude and longitude were measured, being consistent with identification numbers assigned throughout the application (e.g., 100, 101, etc.). For renewals or modifications of existing permits, please provide the existing permit number. Also provide: a brief description of the point (e.g., monitoring well, pipe outlet, air stack, etc.); latitude and longitude in degrees, minutes and seconds (e.g., 41E 16' 28''); and the name of the USGS quadrangle map(s) the point described are located on.

For DEP Use Only: GISJID				
Qued Map-Name				
Longitudia	72°58'20" W			
Latitude	41°28'31" N			
Des phon	Property Centerpoint 41°28'31" N		D)	
Permit Number				
Mumber				

DEP-APP-003

101

Rev. 12/10/99



Soil Map-State of Connecticut
(Wind Prospect)

026001440	MAP LEGEND			MAP INFORMATION		
Area of Interest (AOI)		۵	Very Stony Spot	Map Scale. 1:4,760 if printed on A size (8.5" × 11") sheet,		
	Area of Interest (AOI)	*	Wet Spot	The soil surveys that comprise your AOI were mapped at 1:12,000		
Solls	Soll Map Units		Other	Please rely on the bar scale on each map sheet for accurate map measurements.		
Eneria	oint Features		Line Feetures	Contraction and a second se		
e je cia	Blowout	3.	Gully	Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov		
53	Borrow PR		Short Steep Slope	Coordinate System: UTM Zone 18N NAD83		
*	Clay Spot	23	Other	This product is generated from the USDA-NRCS certified data as o		
1125	Closed Depression	Political P		the version date(s) listed below.		
		•	Chies	Soll Survey Area: State of Connecticut		
×	Gravel Pit	Water Fee		Survey Area Data: Version 7, Dec 3, 2009		
4	Gravelly Spot		Oceans.	Date(s) aerial images were photographed: 8/14/2006		
0	Landfill		Streams and Cenals	The orthophoto or other base map on which the soil lines were		
A	Lava Flow	Transport		complied and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting		
14	Marsh or swmp	10,010	Relis	of map unit boundaries may be ovident		
*	Mine or Quarry	~	Interstate Highways			
	Miscellaneous Water	~	US Routes			
	Perennial Water		Major Roada			
v	Rock Outcrop	25	Local Roads			
+	Saline Spot					
i.	Sandy Spot					
	Severely Eroded Spot					
0	Sinkhole					
þ	Slide or Slip					
	Sodic Spot					
#				15 C		
8	Spoil Area					
٥	Stony Spot					

Sol Natural Resources Conservation Service National Cooperative Soil Survey

8/17/2010 Page 2 of 3

Wind Prospect

Map Unit Legend

State of Connecticut (CT600)						
Map Unit Symbol	Map Unit Name	Acres In AOI	Percent of AOI			
3	Ridgebury, Leicester, and Whitman solls, extremely stony	3.5	4.4%			
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	4.9	6,1%			
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	8.9	11.1%			
84C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes	1.0	1.3%			
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	19.7	24.6%			
85C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes, very stony	42,0	52.5%			
Totals for Area of Intere	est	80.0	100.0%			



Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey 8/17/2010 Page 3 of 3

CONSTRUCTION SCHEDULE:

- INSTALL SILT FENCE. INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- 2. THE CONTRACTOR SHALL DELIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
- 3, APPLY SEEDING, TEMPORARY OR PERMANENT, OR OTHER TYPES OF STABILIZATION AS REQUIRED AS SOON AS GRADED AREAS ARE COMPLETE OR WHERE WORK STOPS.
- 4. COMPLETE FINE GRADING.
- 5. PREPARE ALL DISTURBED AREAS FOR SEEDING AND GROUND COVER.
- 6. APPLY PERMANENT SEEDING AND GROUND COVER
- 7_{\ast} after site is stabilized and approvals received, all temporary erosion control devices shall be rewoved and those disturbed areas shall be seeded.
- B, COORDINATE WITH ERDSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
- MEASURE
- 9, ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- 10. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED.

MAINTENANCE PLAN:

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK, ANY MEEDED REPARS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- 2. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
- 3, SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NEDESSARY TO WAINTAIN A BARRIER.
- 4. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- 5. ALL SEEDED AREAS SHALL BE FERTILIZED, RESERVED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATION TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

TREE PROTECTION NOTES:

- 1. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, CLEARING, GRADING, OR CONSTRUCTION, AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY URBAN FORESTRY STAFF.
- NO SOL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN TREE PROTECTION AREAS, EXCEPT AS SHOWN ON APPROVED PLANS.
- VIOLATIONS OF TREE PROTECTION REQUIREMENTS ARE SUBJECT TO FINES, AND/OR IMMEDIATE CORRECTIVE ACTION/MITIGATION.
- 4. NO GRUBBING WITHIN TREE PROTECTION ZONE, LEAVE SPOIL AND LEAF UTTER UNDISTURED. SUPPLEMENT WITH 1-2 INCHES OF MULCH, RE-SEED WITH GRASS ONLY IN DISTURBED/GRADED AREAS.
- BRUSH VINES, AND SMALL TREES (8" DIAMETER, OR AS SMALL AS 2" CALIPER) MAY BE HAND CLEARED ONLY AND CUT FLUSH WITH GROUND SURFACE, EXISTING TREES MAY BE LIMBED UP 6 FEET (LEAVING AT LEAST 2/3 OF THE BRANCHES TO IMPROVE VISIBILITY).
- 6. EXPOSED TREE ROOTS MUST BE CLEANLY CUT WITH A SHARP PRUNING TOOL; BACKFILL AS SDON AS POSSIBLE TO MINIMIZE EXPOSURE TO THE AIR.
- 7, TREE PROTECTION FENCE IS TO BE LOCATED 1 FOOT PER TREE DIAMETER INCH AWAY FROM THE TREE IN THE SETBACK.

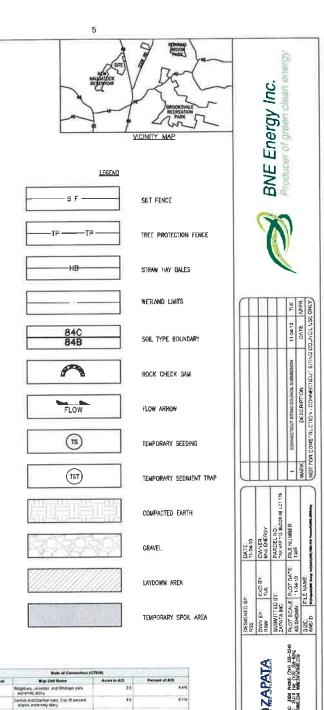
EROSION CONTROL NOTES:

- 1. STABILIZATION IS THE BEST FORM OF EROSION CONTROL TEMPORARY SEEDING IS NECESSARY TO ACHEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE.
- 2. MAXIMUM CRADED SLOPES ARE 2:1, WHEN STEEPER SLOPES MUST BE USED PLANS MUST BE SEALED BY A GEO-TECHNICAL ENGINEER FOR SLOPE STABILITY AND FINAL SURFACE STABILIZATION.
- 3. DE-WATERING OF SITE DIRECTLY INTO STREAM, WETLAND OR CREEK IS PROHIBITED.

GENERAL CONSTRUCTION NOTES:

- 1. ALL CONTOURS AND SPOT ELEVATIONS REFLECT FINISH GRADES
- 2. CONTRACTOR SHALL BLEND SMODTHLY NEW GRADING TO EXISTING GRADE.
- CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER OR ENGINEER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAT FOR INSTRUCTIONS BEFORE PROCEEDING.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
- 5. CONTRACTOR SHALL WORK WITH CAUTION DURING EARTHWORK ACTIVITIES NEAR EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE AGENCY FOR FIELD LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE STARTING CONSTRUCTION.
- LOCATION TWO SHEET C-203 SHEET C-202 840 LOCATION SHEET C-940 20-07

4



Mate of Commentions (CTNIN)						
Map Livit Syndical	Map Unit Rome	Autors in Add	Personal all ACK			
3	Redpetiury Levelor and Whittian John extremely story	25	1.05			
RC.	Carton end Charton xons, 3 to 13 percent blopsis, economy story	47				
843	Paster and Martine free serily blens, 3 to 8 percent argues	**	0.1%			
840	Fastys and Martinek Bre Landy Incom. 81413. persons appeal	**	15%			
640	Fe star and Marriad free sandy beins. 12.5s 25 percent dapes	187	24.0%			
nc.	Parties and Martana free sandy internal \$1215 percent access ners along	42.01	135%			
Totals for Area of Mana	nl .	80.0	160.6%			

AREA TO BE CLEARED: 217240 SQ. FT. / 4.99 ACRES AREA TO BE DISTURBED: 364168 SQ. FT. / 8.36 ACRES AREA WITHIN 100° WETLAND OFFSET: 26319 SQ. FT. / 0.60 ACRES

THIS PROJECT WILL HAVE NO TEMPORARY DIRECT WETLAND IMPACT. APPROPRIATE MITIGATION PROCEDURES AND REQUIRED PERMITS WILL BE OBTAINED PRICE TO CONSTRUCTION.

.

100'

Z FAIRATEN REAK) (600 P CHARLOTTE, NC 25210 F ZAPATADZJEATTARKCICOH V

AN

ROL

CON

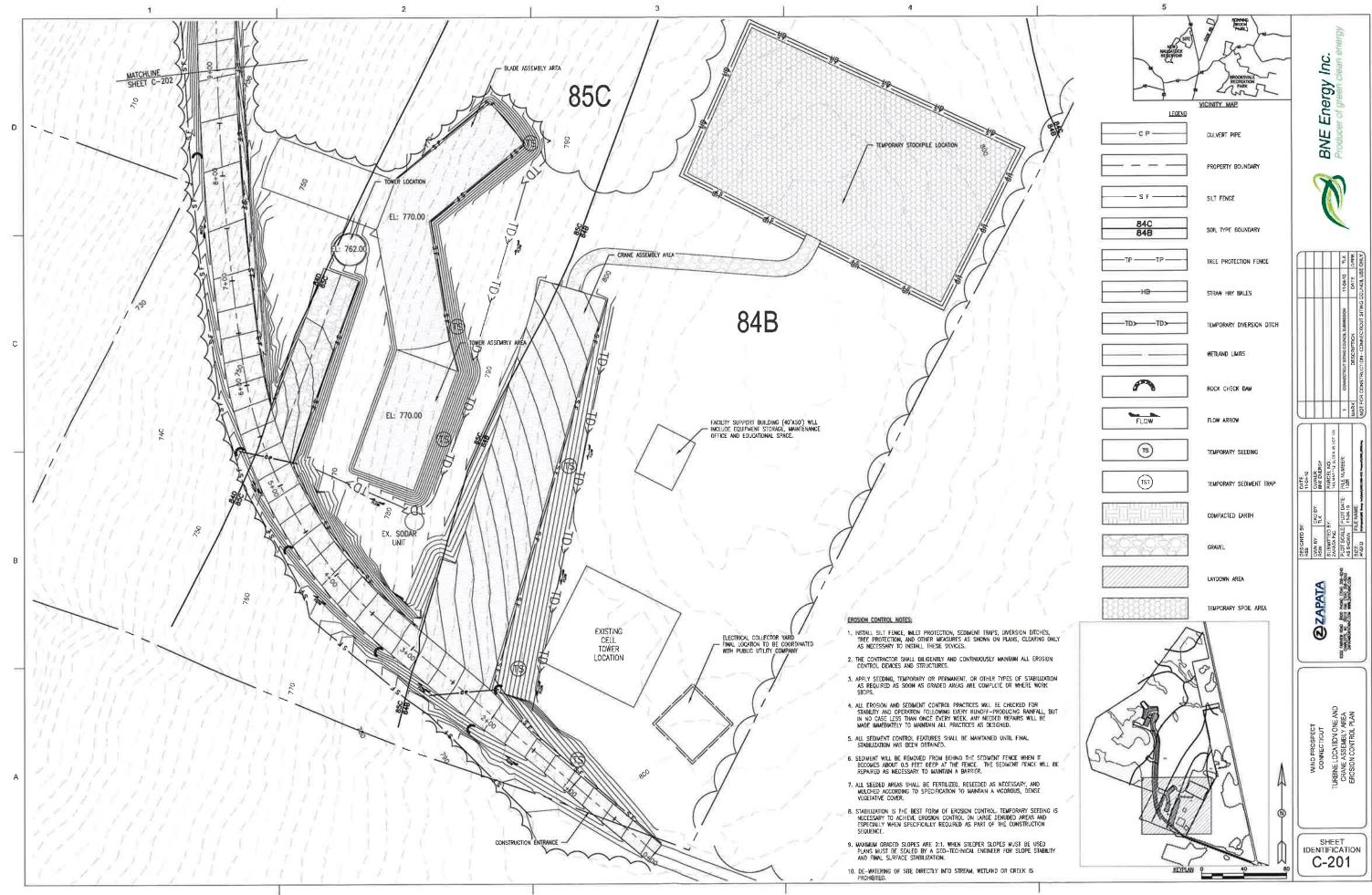
NO

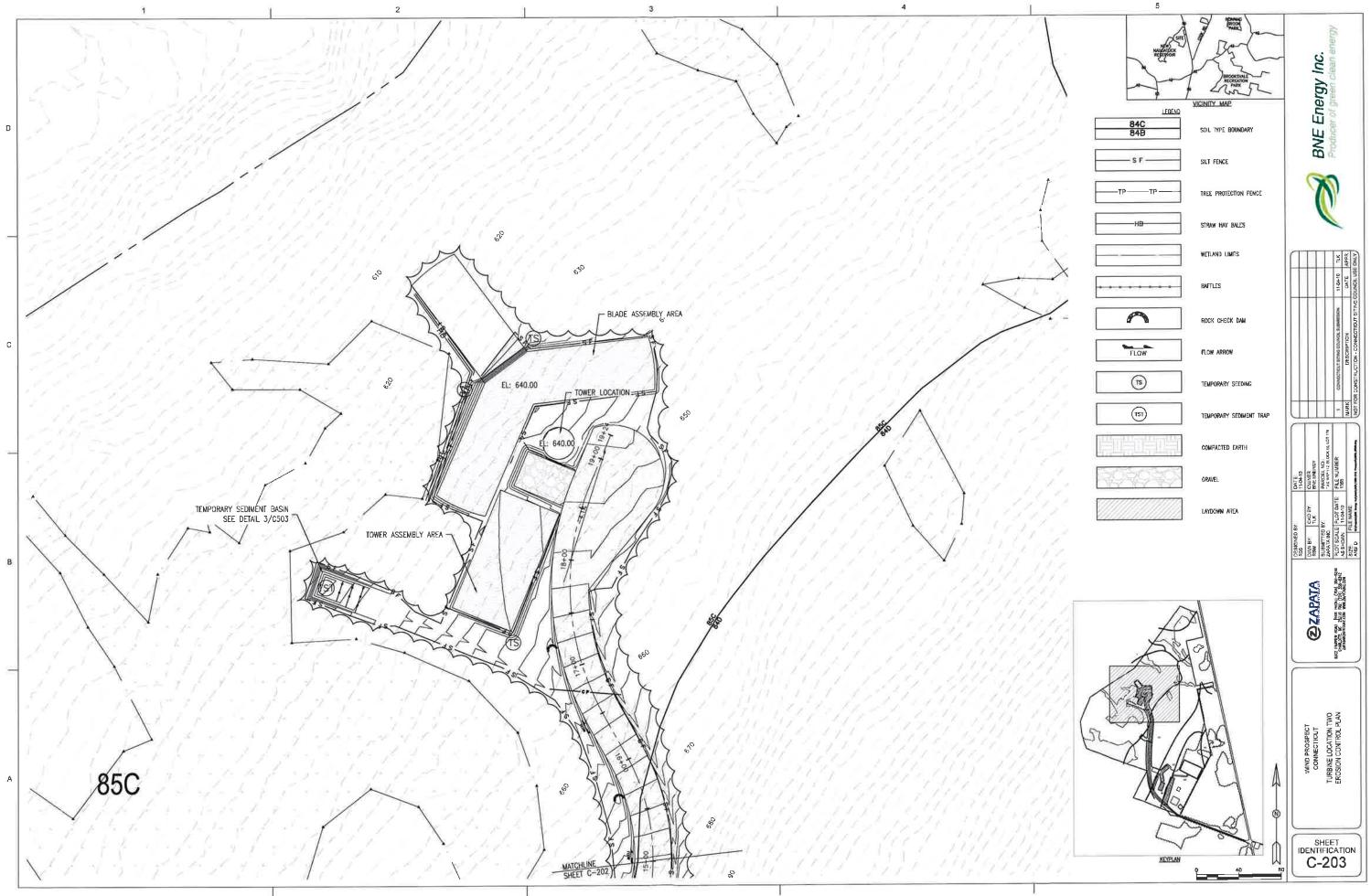
8

뚭

SHEET IDENTIFICATION C-200

MIND





Appendix B
INSPECTION AND MAINTENANCE RECORDS

INSPECTOR CERTIFICATION

Project:	Wind Prospect
	178 New Haven Road
Project Location:	Prospect, Connecticut
Contractor:	
Address:	
Dhamas	
Phone:	
Fax:	

CONSTRUCTION INSPECTION & MAINTENANCE LOG

Date	Activity	Description	(1) Report No.
	☐ Inspection ☐ Maintenance	By:	_
	InspectionMaintenance	By:	
	☐ Inspection ☐ Maintenance	By:	
	☐ Inspection ☐ Maintenance	By:	_
	InspectionMaintenance	By:	
	InspectionMaintenance	By:	
	InspectionMaintenance	Ву:	
	InspectionMaintenance	By:	_
	InspectionMaintenance	By:	_
	InspectionMaintenance	By:	-

Convert Information			
General Information Wind Prospect			
Project Name:	Wind Prospect		
Location:	178 New Haven Road		
	Prospect, Connecticut		
CT DEP Tracking No.	(1) Report No.		
Date of Inspection:	Start / End		
	Time:		
Inspector's Name(s):			
Inspector's Title(s):			
Inspector's Contact			
Information:			
Describe present phase			
of construction:			
Type of Inspection:			
Regular Pre-stor	m event During storm event Post-storm event		
Weather Information			
Has it rained since the last inspection?			
If yes, provide:			
Storm Start Date & Time	: Storm Duration (hrs): Approximate Rainfall		
(in):			
Weather at time of this in	spection?		
Discharge Information (A)			
Do you suspect that discharges may have occurred since the last inspection?			
Are there any discharges at the time of inspection?			
□Yes □No			
Describe location of any discharges from the site:			

SITE-SPECIFIC BMPs

(B)	BMP Description	BMP Installed and Operating Properly?	Corrective Action Needed	Date for corrective action / responsible party
1		□Yes □No		
2		□Yes □No		
3		□Yes □No		
4		□Yes □No		
5		□Yes □No		
6		□Yes □No		
7		□Yes □No		
8		□Yes □No		
9		□Yes □No		
10		□Yes □No		
11		□Yes □No		
12		□Yes □No		
13		□Yes □No		
14		□Yes □No		
15		□Yes □No		
16		□Yes □No		
17		□Yes □No		
18		□Yes □No		
19		□Yes □No		

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible person
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	□Yes □No	□Yes □No		
2	Are natural resource areas (e.g., strcams, wetlands, mature trces, etc.) protected with barriers or similar BMPs?	□Yes □No	□Yes □No		
3	Arc perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	□Yes □No	□Yes □No		
4	Are discharge points and receiving waters free of sediment deposits?	□Yes □No	□Yes □No		
5	Are storm drain inlets properly protected?	□Yes □No	UYes UNo		
6	Is there evidence of sediment being tracked into the street?	□Yes □No	□Yes □No		
7	Is trash/litter from work areas collected and placed in covered dumpsters?	□Yes □No	□Yes □No		

OVERALL SITE ISSUES

(C)	BMP/activity	Implemented?	Maintained?	Corrective Action	Date for corrective action/responsible person
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	□Yes □No	□Yes □No		
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	□Yes □No	□Yes □No		
10	Are materials that are potential stormwater contaminants stored inside or under cover?	□Yes □No	□Yes □No		
11	Are non- stormwater discharges (e.g., wash water, dewatering) properly controlled?	□Yes □No	□Yes □No		
12	(Other)	□Yes □No	□Yes □No		
13	(Other)	□Yes □No	□Yes □No		

GENERAL INSPECTION COMMENTS AND EXPLANATION

General Inspection Comments (D)	
Is other descriptive information attached to this inspection report?	
\Box Yes \Box No	

Plan Information (E)

Were all current plan BMP's in place at the time of inspection?

□Yes □No

Are additional BMP's required?

□Yes □No

Does the plan need to be updated?

□Yes □No

Explanation of additional BMP and Plan update requirements:

Certification statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:		
(Please print)		
Signature:		
Title:	Date:	

General Information				
Project Name:	Wind Prospect			
	178 New Haven Road			
Location:	Prospect, Connecticut			
CT DEP Tracking No.:	(1) Report No.			
Date of Maintenance:	Start / End Time:			
Describe present phase of construction:				
Type of Maintenance:				
Regular Pre-stor	rm event 🔲 Post-storm cvent 🔲 Plan Update			
Maintenance Information				
Inspection Report Reference (No., Item)	Maintenance performed:			
Performed by:				
Inspection Report Reference (No., Item)	Maintenance performed:			
Performed by:				
Inspection Report Reference (No., Item)	Maintenance performed:			
Performed by:				
Inspection Report Reference (No., Item)	Maintenance performed:			
Performed by:				
Inspection Report Reference (No., Item)	Maintenance performed:			

CONSTRUCTION SITE MAINTENANCE REPORT

Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	-
D (11	
Performed by:	
Inspection Report	Maintenance performed:
Reference (No., Item)	
Performed by:	
Feriormed by:	

Certification statement:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued on October 1, 2002 (or as reissued or modified), and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name:	
Signature:	
Title:	Date:

Appendix C
CALCULATIONS AND SUPPORTING DOCUMENTATION

