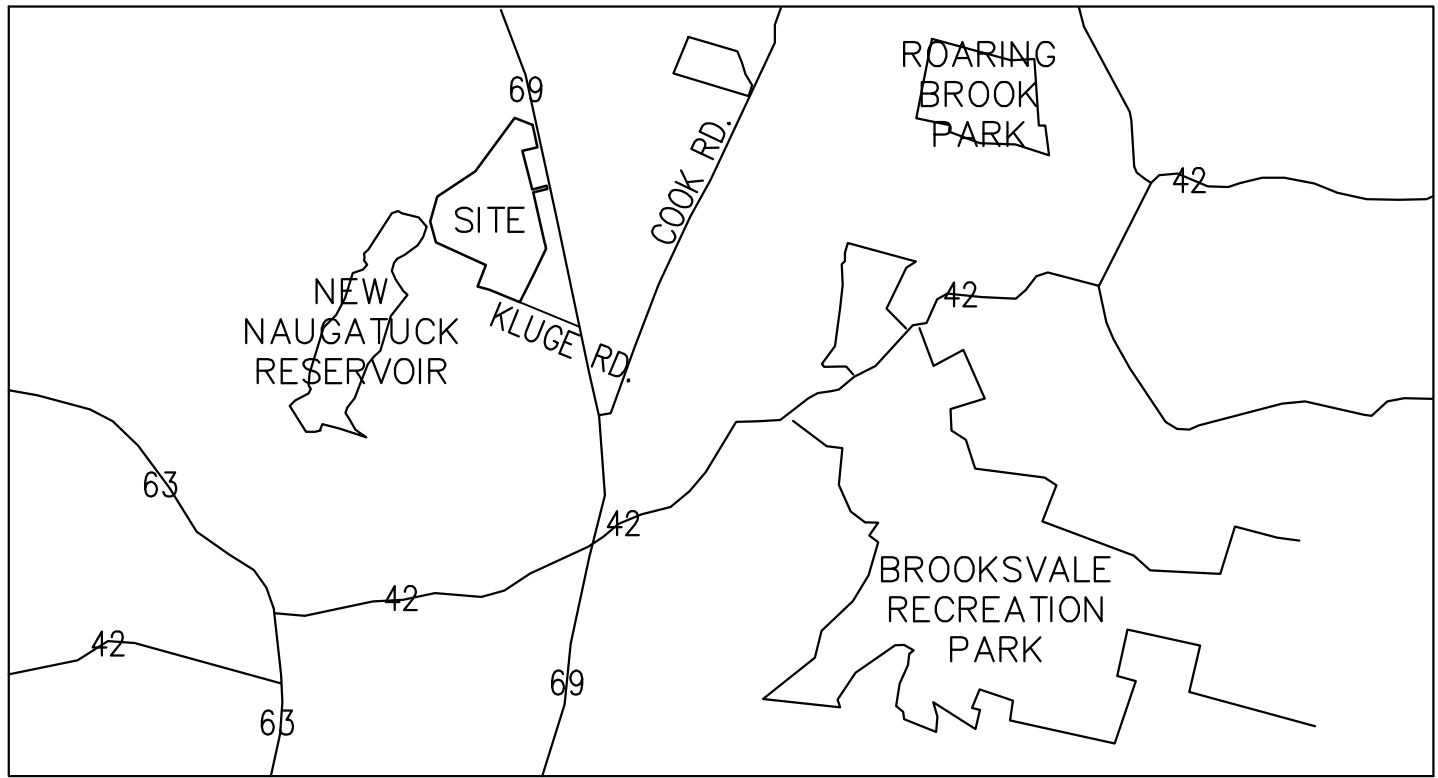


WIND PROSPECT

178 NEW HAVEN ROAD PROSPECT, CONNECTICUT



VICINITY MAP

BNE ENERGY
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107



INDEX OF DRAWINGS

SHEET NUMBER	TITLE
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3	C-002 SITE PLAN WITH AERIAL IMAGERY
4	C-003 CLEARING LIMITS PLAN
5	C-100 OVERALL SITE PLAN
6	C-101 TURBINE LOCATION ONE AND CRANE ASSEMBLY AREA SITE PLAN
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9	C-200 EROSION CONTROL PLAN
10	C-201 TURBINE LOCATION ONE AND CRANE ASSEMBLY AREA EROSION CONTROL PLAN
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12	C-203 TURBINE LOCATION TWO EROSION CONTROL PLAN
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17	C-304 ACCESS ROAD PLAN AND PROFILE STA: 0+00 TO 5+00
18	C-305 ACCESS ROAD PLAN AND PROFILE STA: 5+00 TO 10+00
19	C-306 ACCESS ROAD PLAN AND PROFILE STA: 10+00 TO 14+00
20	C-307 ACCESS ROAD PLAN AND PROFILE STA: 14+00 TO 17+30
21	C-308 POST-CONSTRUCTION GRADING PLAN
22	C-309 TURBINE LOCATION ONE AND CRANE ASSEMBLY AREA POST-CONSTRUCTION GRADING PLAN
23	C-310 ACCESS ROAD STA: 9+00 TO 15+00 POST-CONSTRUCTION GRADING PLAN
24	C-311 TURBINE LOCATION TWO POST-CONSTRUCTION GRADING PLAN
25	C-500 EROSION CONTROL NOTES
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27	C-502 EROSION CONTROL DETAILS
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29	C-504 EROSION CONTROL DETAILS
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CONNECTICUT SITING COUNCIL SUBMISSION

MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-08-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

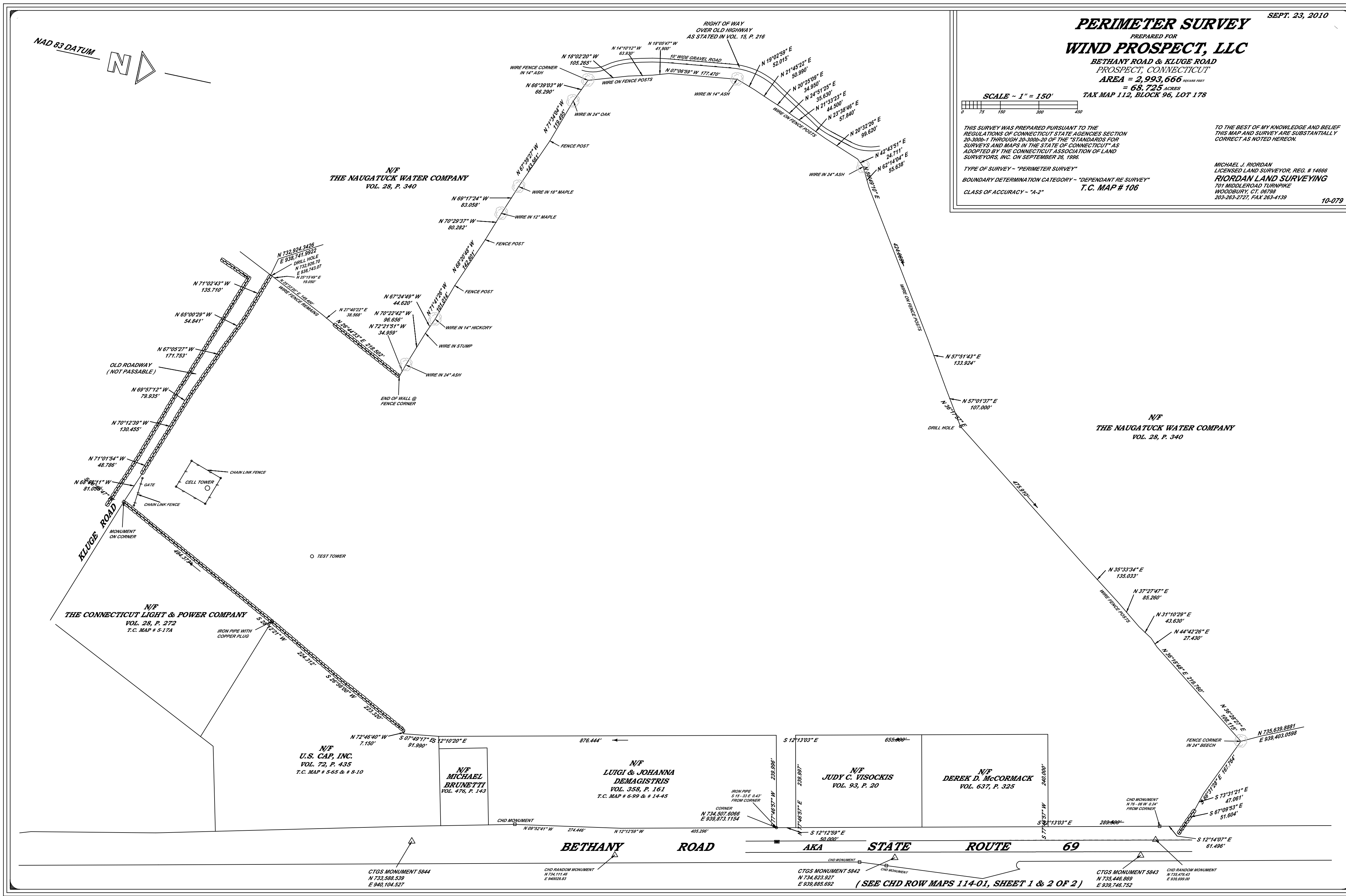
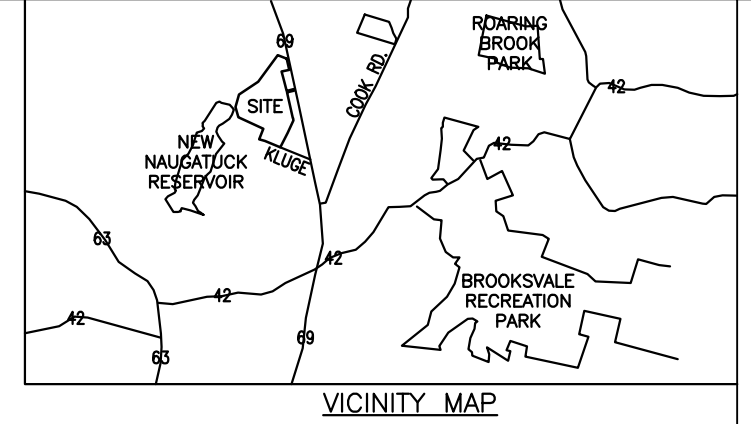
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DRAWN BY:	CHECKED BY:	TLK
REVISION:	DATE:	03-28-11
PROJECT NO.:	FILE NUMBER:	1385
PARCEL NO.:	FILE NAME:	178
TAX MAP NO.:	FILE NUMBER:	1385
TAX MAP LOT NO.:	FILE NUMBER:	1385

WIND PROSPECT
CONNECTICUT
COVER SHEET AND DRAWING INDEX

SHEET
IDENTIFICATION
G-000



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



PERIMETER SURVEY SEPT. 23, 2010
 PREPARED FOR
WIND PROSPECT, LLC
 BETHANY ROAD & KLUGE ROAD
 PROSPECT, CONNECTICUT
 AREA = 2,993,666 SQUARE FEET
 = 68.725 ACRES
 TAX MAP 112, BLOCK 96, LOT 178

SCALE - 1" = 150'

THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 26-368b-1 THROUGH 26-368b-91 OF THE STANDARDS CODE SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP AND SURVEY ARE SUBSTANTIALLY CORRECT AS NOTED HEREON.

TYPE OF SURVEY - "PERIMETER SURVEY"
 BOUNDARY DETERMINATION CATEGORY - "DEPENDANT RE SURVEY"
 CLASS OF ACCURACY - "A-2" T.C. MAP # 106

MICHAEL J. RIORDAN
 LICENSED LAND SURVEYOR, REG. # 14666
 RIORDAN LAND SURVEYING
 701 MIDDLE ROAD TURNPIKE
 WOODBURY, CT. 06798
 203-263-2727, FAX 263-4139

10-079

MARK	DESCRIPTION	DATE	APPR.
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DESIGNED BY:	DATE:
DRAWN BY:	09/28/11
CHECKED BY:	TLK
TLK	
DESIGNED BY:	DATE:
TLK	09/28/11
FILE NUMBER:	1385
FILE NAME:	1385

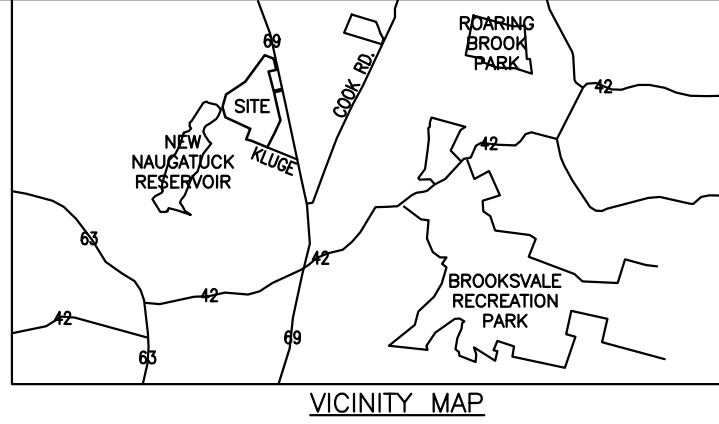
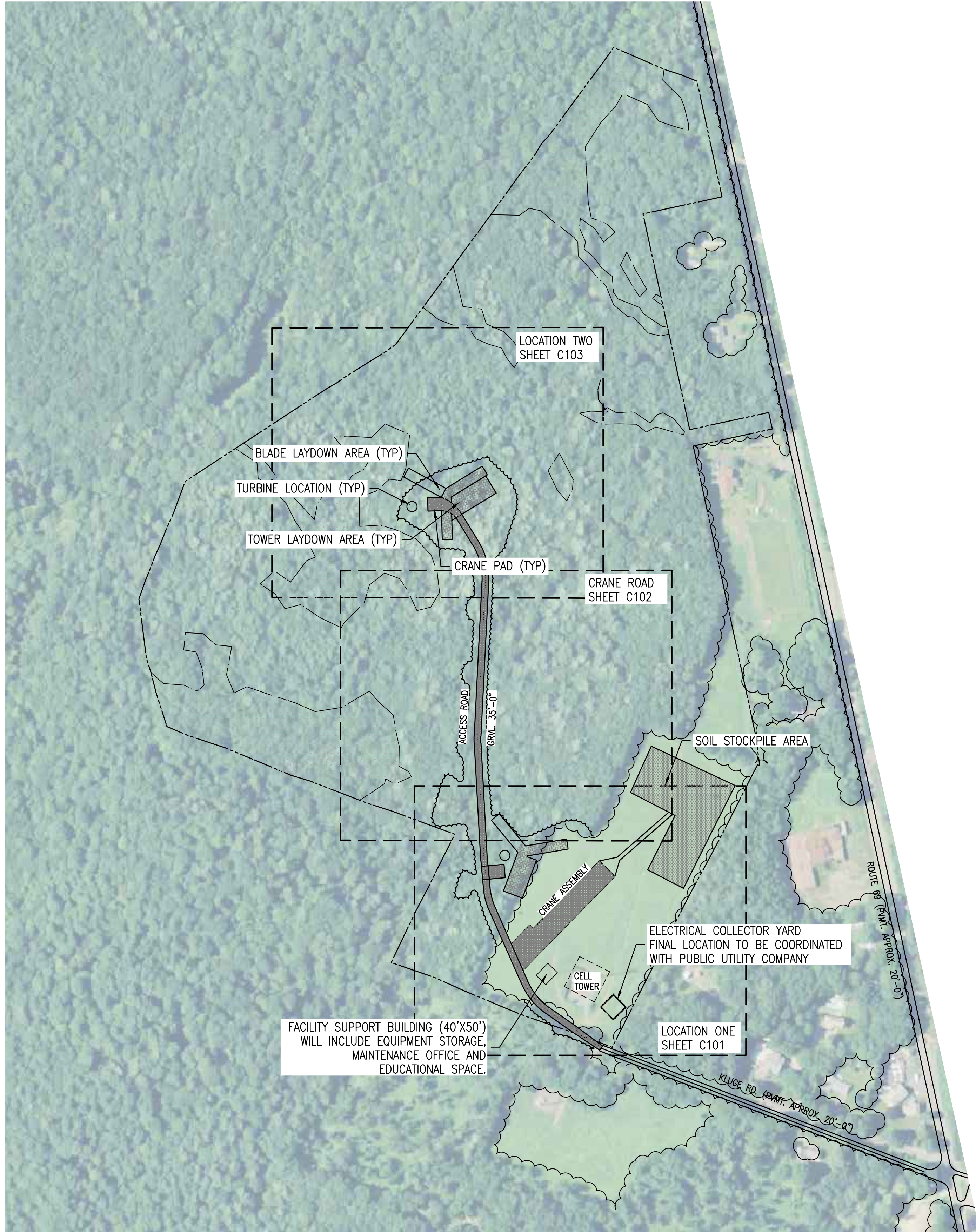
ZAPATA
 6502 LAWREN ROAD, SUITE 200, 06040
 WOODBURY, CT 06798
 WWW.ZAPATASURV.COM

WIND PROSPECT
 CONNECTICUT
 ABUTTERS MAP

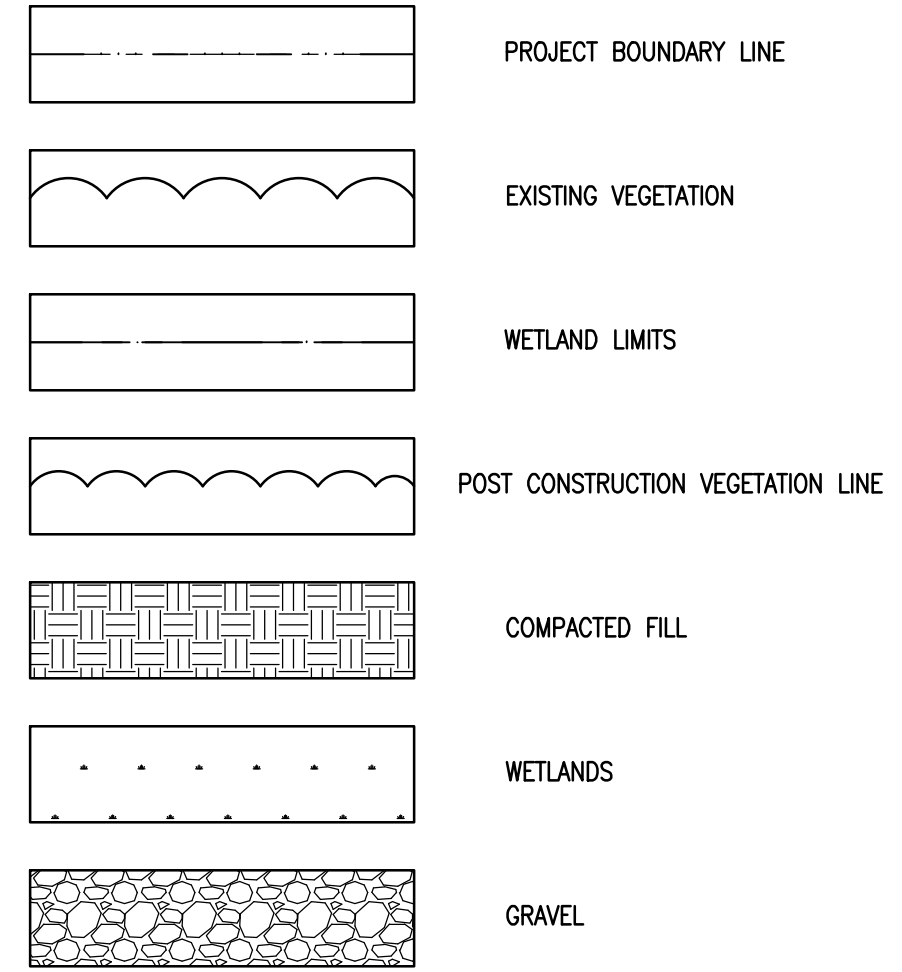
SHEET
 IDENTIFICATION
C-001



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND



LAYOUT AND MATERIALS NOTES

- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS AND EXISTING GROUND ELEVATIONS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS, AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.

TREE AREA TO BE CLEARED: 186274 SQ. FT. / 4.28 ACRES
 AREA TO BE DISTURBED: 365198 SQ. FT. / 8.38 ACRES
 AREA WITHIN 100' WETLAND REVIEW AREA: 18541 SQ. FT. / 0.43 ACRES

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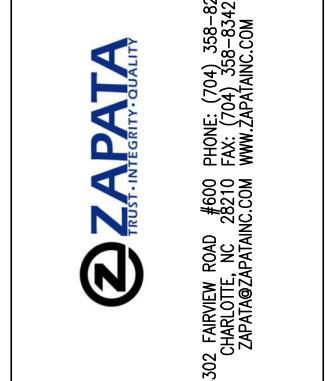
GENERAL NOTES

- 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.
- 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.
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- 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 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.
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- 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.
- DEWATERING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
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- 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. SEGREGATION 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 SUBTITLE 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 AREAS.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL MARK THE AREAS THAT NEED NOT BE DISTURBED UNDER THIS CONTRACT. ISOLATED AREAS WITHIN THE GENERAL WORK AREA WHICH ARE NOT TO BE DISTURBED SHALL BE MARKED OR FENCED. MONUMENTS AND MARKERS SHALL BE PROTECTED BEFORE CONSTRUCTION OPERATIONS COMMENCE.
- THE CONTRACTOR SHALL MONITOR CONSTRUCTION ACTIVITIES TO PREVENT POLLUTION OF SURFACE AND GROUND WATERS AND SHALL COMPLY WITH THE CLEAN WATER ACT SECTION 404 REGULATIONS.
- 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 ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
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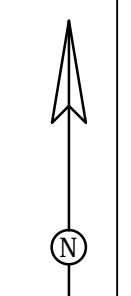
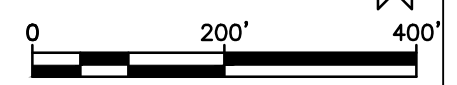
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1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	DESIGNED BY:	DATE:
TLK	03-28-11	TLK	03-28-11
TLK	03-28-11	TLK	03-28-11
TLK	03-28-11	TLK	03-28-11
TLK	03-28-11	TLK	03-28-11



WIND PROSPECT CONNECTICUT
 SITE PLAN WITH AERIAL IMAGERY

SHEET IDENTIFICATION
C-002

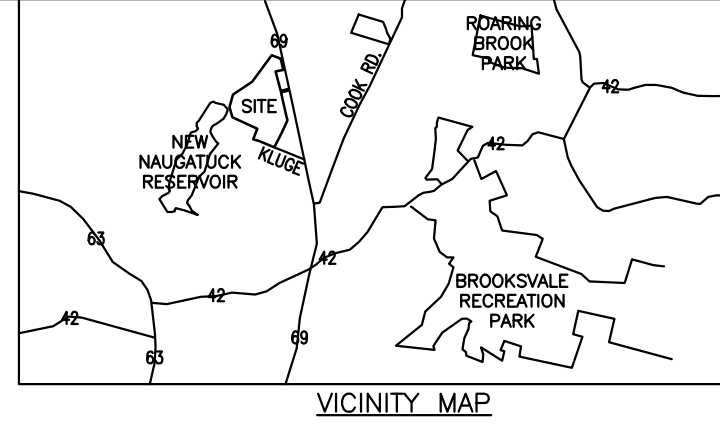
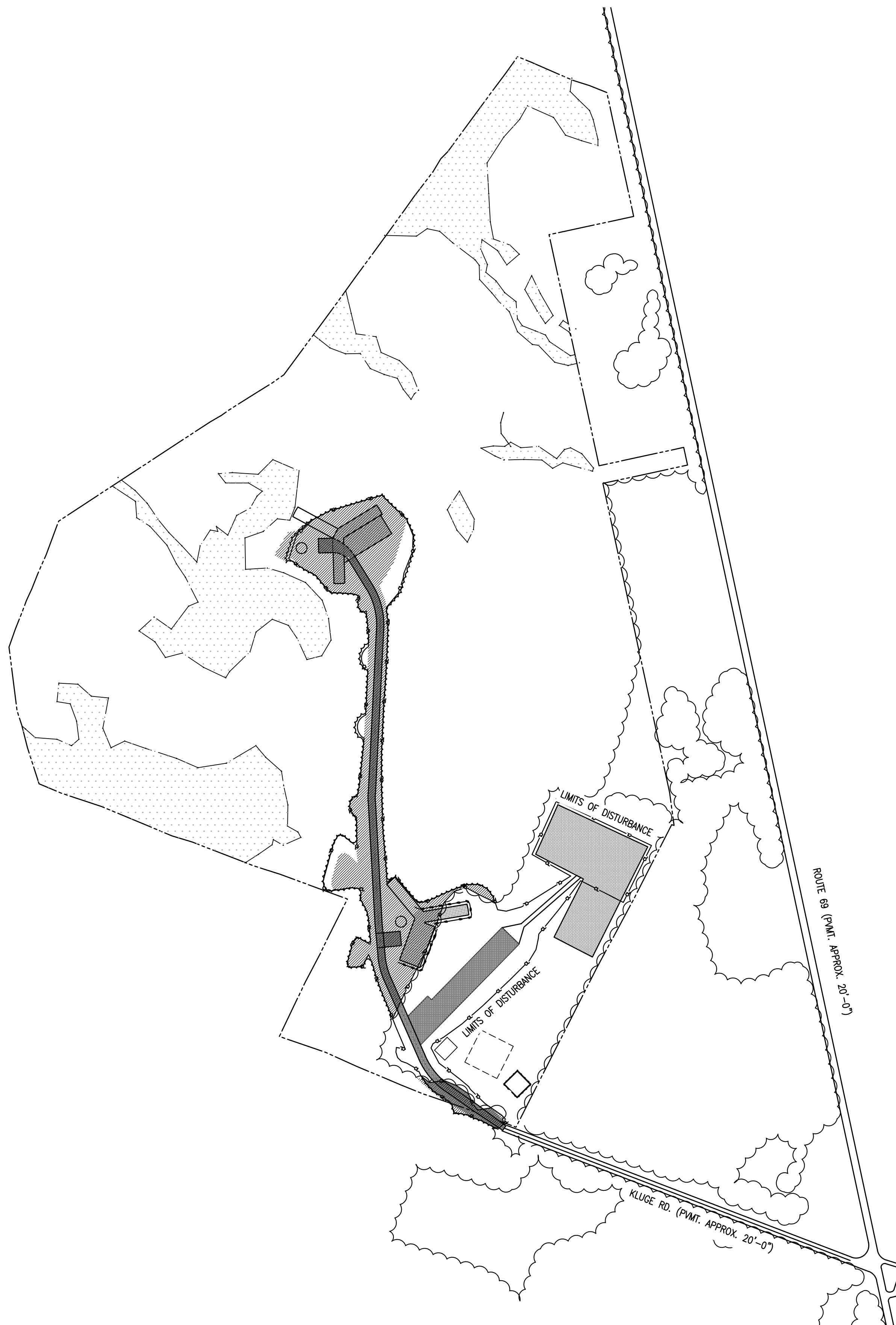


D

C

B

A



LEGEND

	CLEARING/DISTURBED LIMITS
	PROJECT BOUNDARY LINE
	EXISTING VEGETATION
	WETLAND LIMITS
	DEMO EXISTING VEGETATION
	POST CONSTRUCTION VEGETATION LINE
	COMPACTED FILL
	WETLANDS
	GRAVEL
	CLEARING AREA

TREE AREA TO BE CLEARED: 186274 SQ. FT. / 4.28 ACRES
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DESIGNED BY:	DATE:	03/28/11
DRAWN BY:	OWNER:	BNE ENERGY
RSW	PROJECT NO.:	1385
TLK	PARCEL NO.:	1385
TLK	TAX MAP NO.:	12, BLOCK 88, LOT 178
TLK	FILE NUMBER:	1385
TLK	FILE NAME:	1385
TLK	ANSI D	1385

ZAPATA
 6302 FAIRVIEW ROAD, SUITE 200, FAIRVIEW, CT 06424
 PHONE: (203) 356-8240
 FAX: (203) 356-8241
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 CLEARING LIMITS PLAN

SHEET
 IDENTIFICATION
C-003

BNE Energy Inc.
 Producer of green clean energy



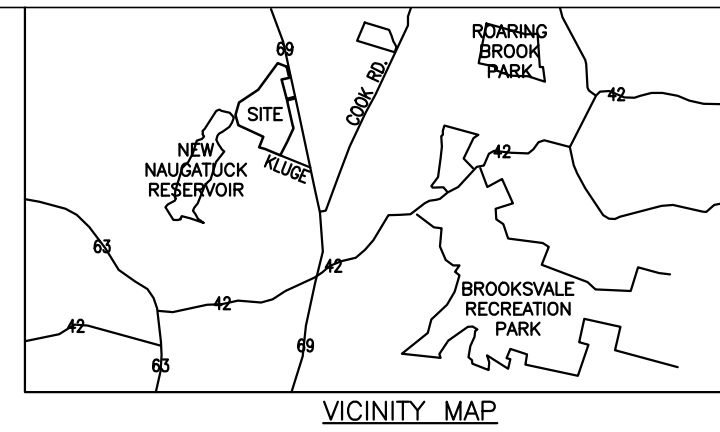
NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

D

C

B

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LEGEND

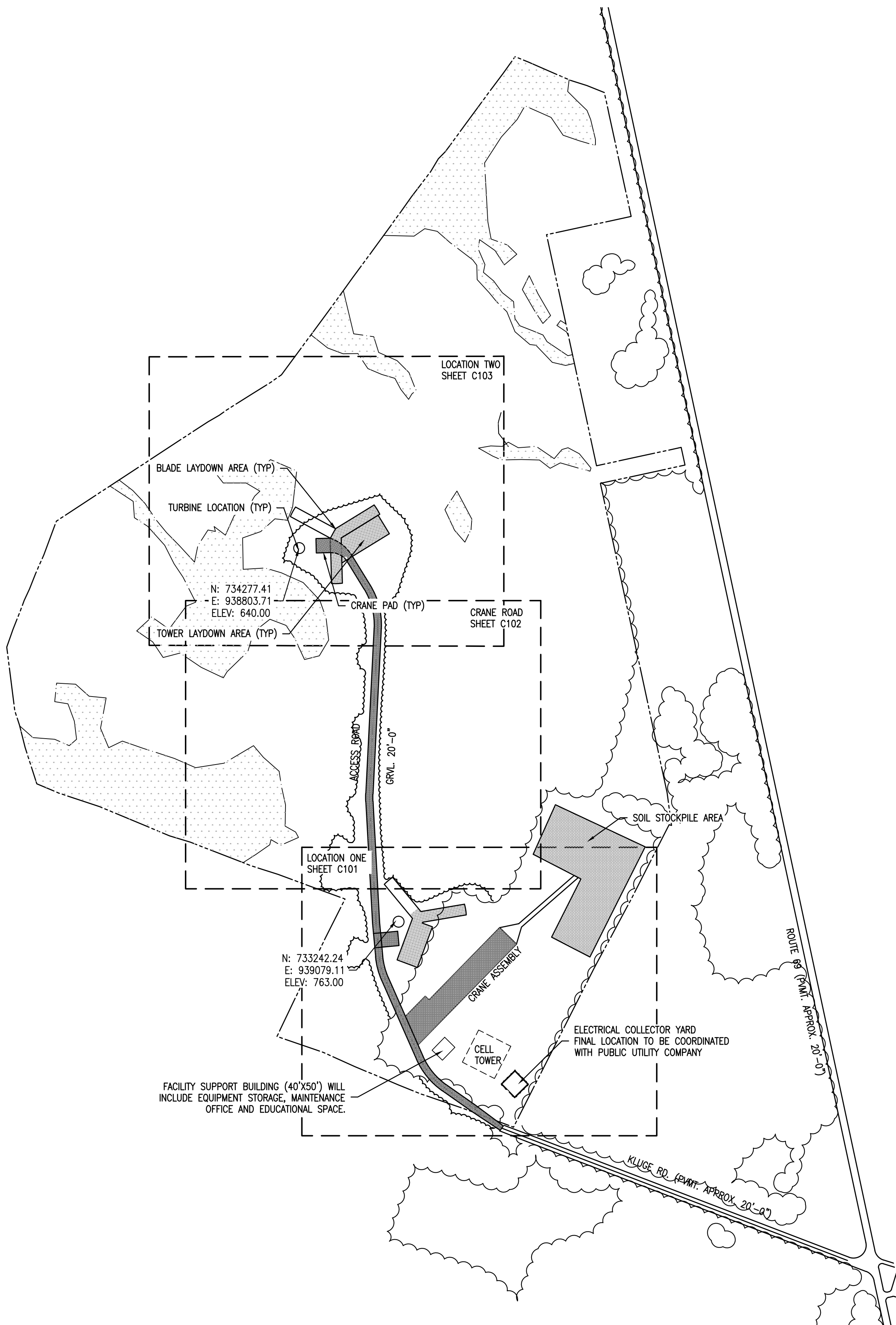
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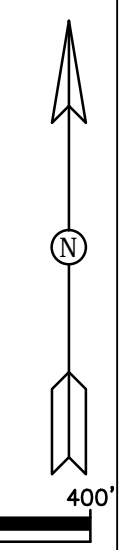
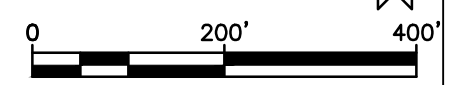
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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

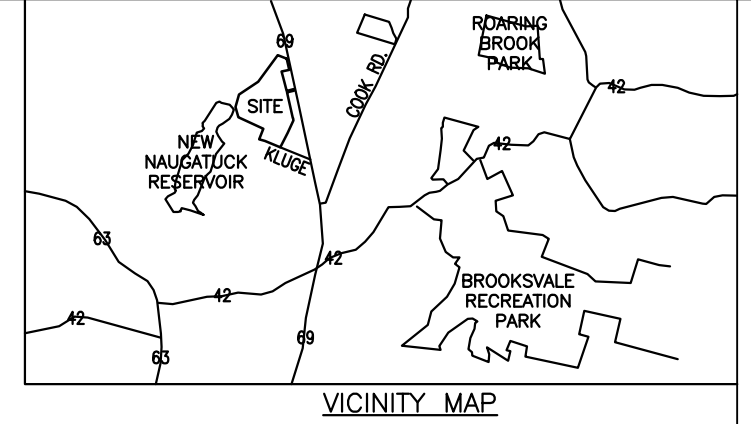
DESIGNED BY:	DATE:	03-28-11
DRAWN BY:	CHECKED BY:	TLK
RSW	TLK	
SUBMITTED BY:	FILE NUMBER:	1385
ZAPATA, INC.	AS SHOWN	03-28-11
PARCEL NO.:	FILE NAME:	
TAX MAP #12, BLOCK #8, LOT 178		

ZAPATA
 PROJECT CONSULTANTS
 6502 LAWRENCE ROAD
 SUITE 200
 WESTPORT, CT 06880
 PHONE: (203) 358-8940
 FAX: (203) 358-8941
 WWW.ZAPATAINC.COM

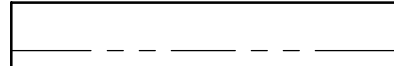

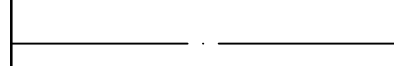

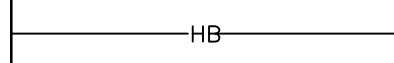
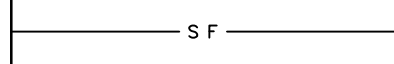



WIND PROSPECT
 CONNECTICUT
 OVERALL SITE PLAN

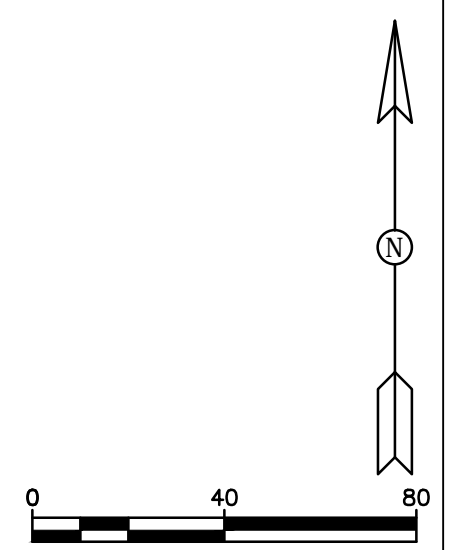
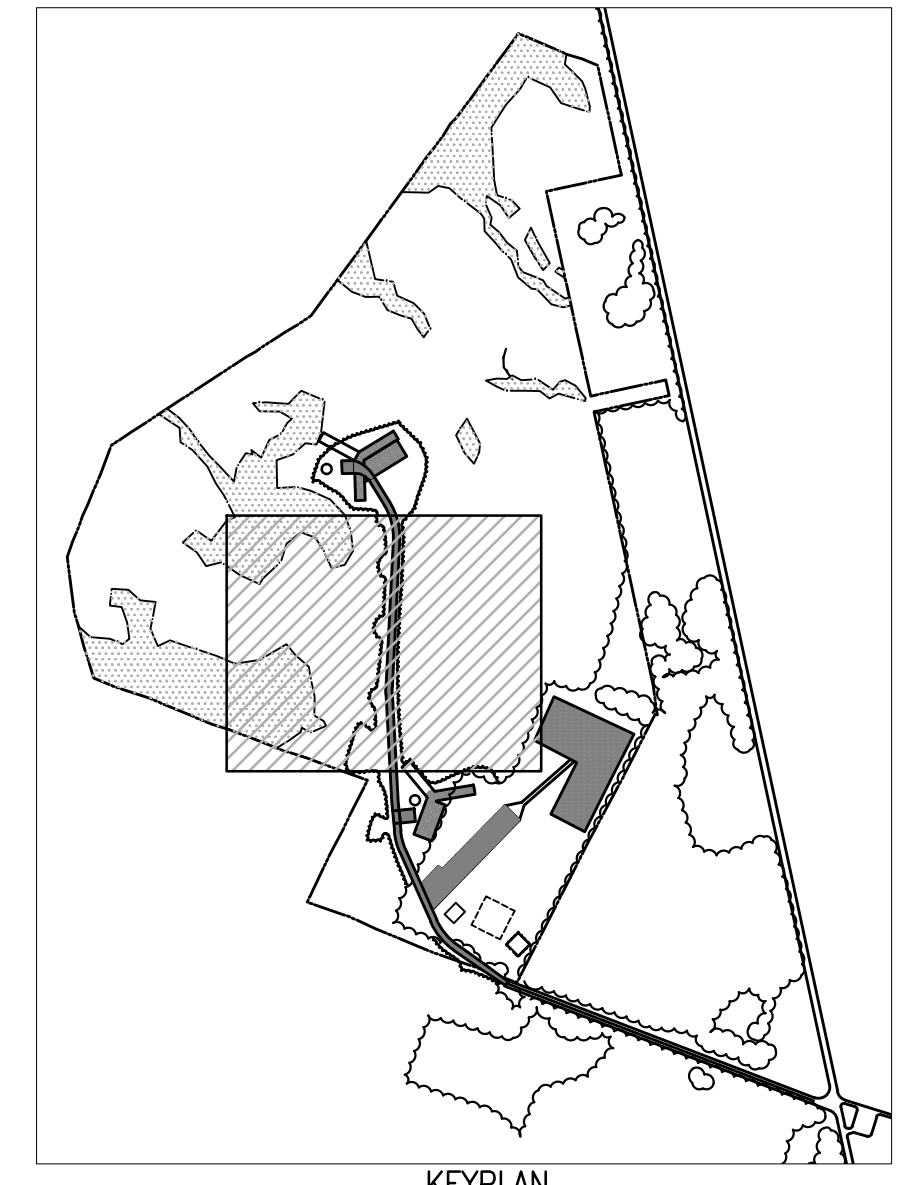
SHEET
 IDENTIFICATION
C-100





LEGEND

-  PROJECT BOUNDARY LINE
-  EXISTING VEGETATION
-  WETLAND LIMITS
-  NEW VEGETATION LINE
-  HAYBALE
-  SILT FENCE
-  COMPACTED FILL
-  WETLANDS
-  GRAVEL



MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:
DRAWN BY:	OWNER:
SUBMITTED BY:	PARCEL NO.:
PLOT SCALE:	TAX MAP #:
AS SHOWN:	FILE NUMBER:
ANSI D:	FILE NAME:

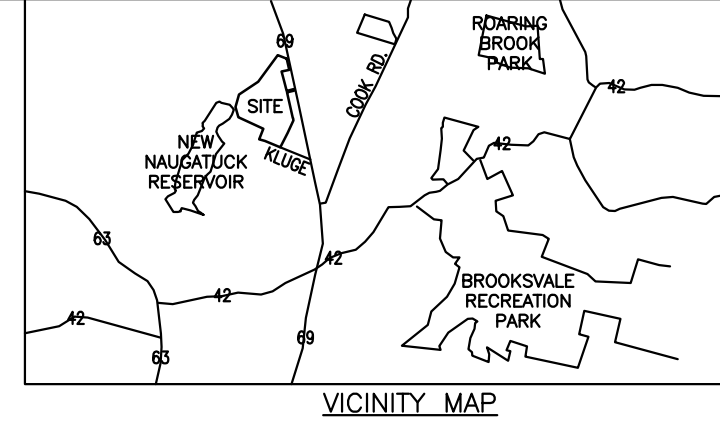
ZAPATA
 6302 FAIRVIEW ROAD, SUITE 200, FAIRVIEW, CT 06424
 PHONE: (704) 356-8240
 FAX: (704) 356-8242
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 CRANE ROAD SITE PLAN

SHEET
 IDENTIFICATION
C-102



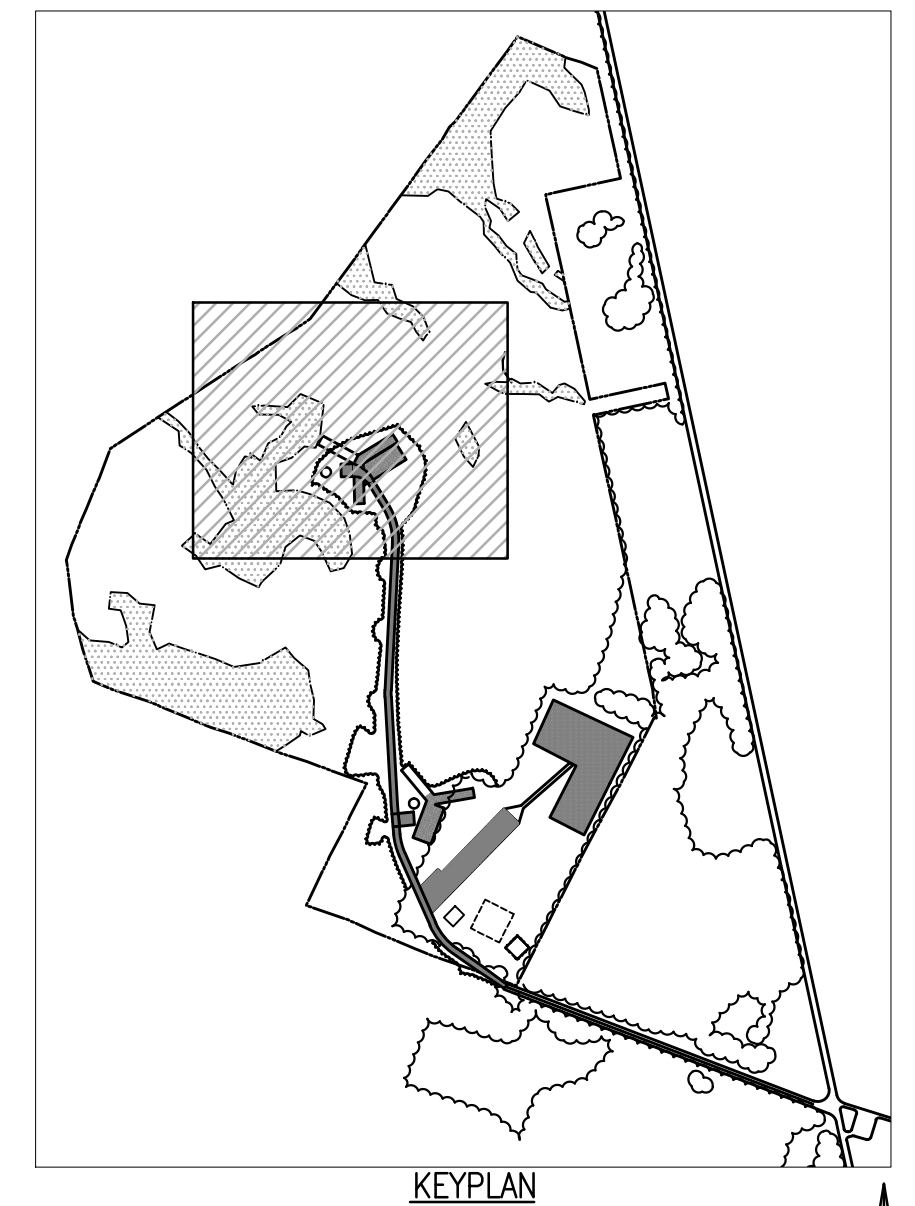
NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



- NOTES:**
1. CRANE PAD SHALL NOT EXCEED 1% SLOPE.
 2. BLADE ASSEMBLY AREA SHALL NOT HAVE FLATNESS DEVIATION OF MORE THAN 6 INCHES OVER THE LENGTH OF BLADES.
 3. TOWER SECTION LAYDOWN AREA SHALL NOT EXCEED 5% SLOPE.

LEGEND

	PROJECT BOUNDARY LINE
	EXISTING VEGETATION
	WETLAND LIMITS
	POST CONSTRUCTION VEGETATION LINE
	HAYBALE
	SILT FENCE
	COMPACTED FILL
	WETLANDS
	GRAVEL



MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:
RSW	03-28-11

CHKD BY:	DATE:
TLK	03-28-11

DESIGNED BY:	DATE:
TLK	03-28-11

DESIGNED BY:	DATE:
TLK	03-28-11

DESIGNED BY:	DATE:
TLK	03-28-11

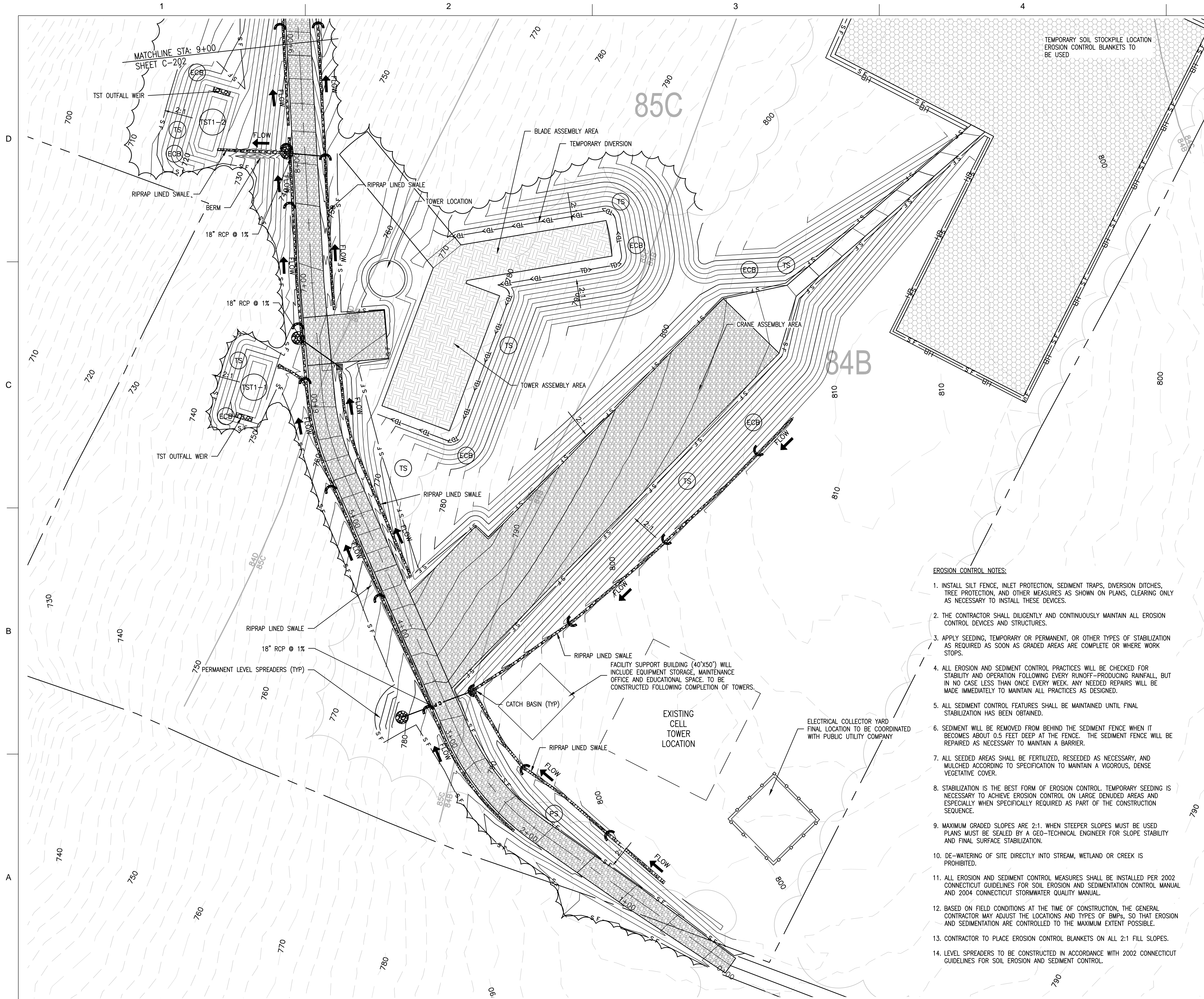
ZAPATA
 6502 WARREN ROAD, SUITE 200, WARREN, CT 06495
 PHONE: (203) 356-8540
 FAX: (203) 356-8541
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 TURBINE LOCATION TWO SITE PLAN

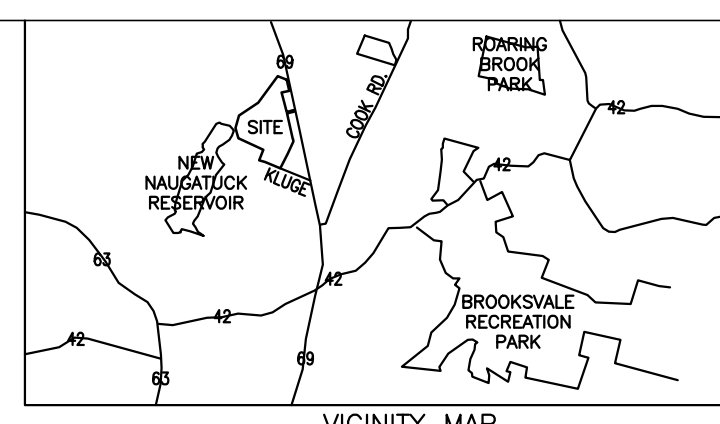
SHEET
 IDENTIFICATION
C-103



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



- EROSION CONTROL NOTES:**
- 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.
 - THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
 - APPLY SEEDING, TEMPORARY OR PERMANENT, OR OTHER TYPES OF STABILIZATION AS REQUIRED AS SOON AS GRADED AREAS ARE COMPLETE OR WHERE WORK STOPS.
 - 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.
 - 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.
 - ALL SEEDED AREAS SHALL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATION TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
 - STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDEED 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.
 - DE-WATERING OF SITE DIRECTLY INTO STREAM, WETLAND OR CREEK IS PROHIBITED.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PER 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL MANUAL AND 2004 CONNECTICUT STORMWATER QUALITY MANUAL.
 - BASED ON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION, THE GENERAL CONTRACTOR MAY ADJUST THE LOCATIONS AND TYPES OF BMPs, SO THAT EROSION AND SEDIMENTATION ARE CONTROLLED TO THE MAXIMUM EXTENT POSSIBLE.
 - CONTRACTOR TO PLACE EROSION CONTROL BLANKETS ON ALL 2:1 FILL SLOPES.
 - LEVEL SPREADERS TO BE CONSTRUCTED IN ACCORDANCE WITH 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.



LEGEND

C P	PERMANENT CULVERT PIPE
S F	SILT FENCE
HB	STRAW HAY BALES
	WETLAND LIMITS
84C 84B	SOIL TYPE BOUNDARY
	PERMANENT ROCK CHECK DAM
	RIP RAP
← FLOW	FLOW ARROW
TS	TEMPORARY SEEDING
TST	TEMPORARY SEDIMENT TRAP
GF	GEO-TEXTILE FABRIC
RR	RIPRAP
ECB	EROSION CONTROL BLANKET
PS	PERMANENT SEEDING
	PERMANENT CATCH BASIN
	COMPACTED EARTH
	GRAVEL
	LAYDOWN AREA
	TEMPORARY SPOIL AREA
	PERMANENT RIPRAP LINED SWALE
	PERMANENT LEVEL SPREADER

MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	DESIGNED BY:	DATE:
TLK	03-28-11	TLK	03-28-11

ZAPATA
ENGINEERS & ARCHITECTS

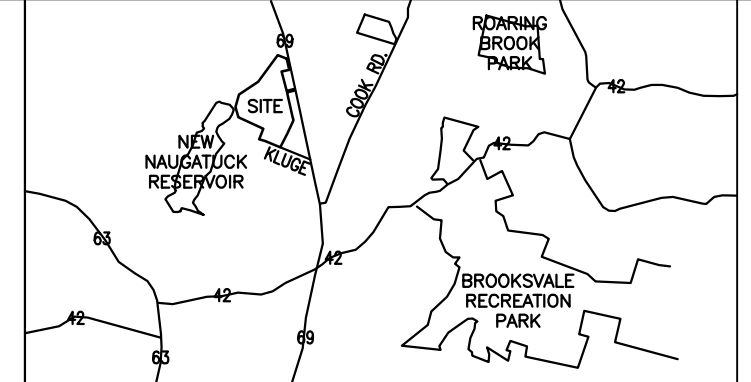
6302 LAWRENCE ROAD, SUITE 200, WESTPORT, CT 06880
PHONE: (203) 356-8940
FAX: (203) 356-8941
WWW.ZAPATAINC.COM

WIND PROSPECT
CONNECTICUT
TURBINE LOCATION ONE AND
CRANE ASSEMBLY AREA
EROSION CONTROL PLAN

SHEET
IDENTIFICATION
C-201

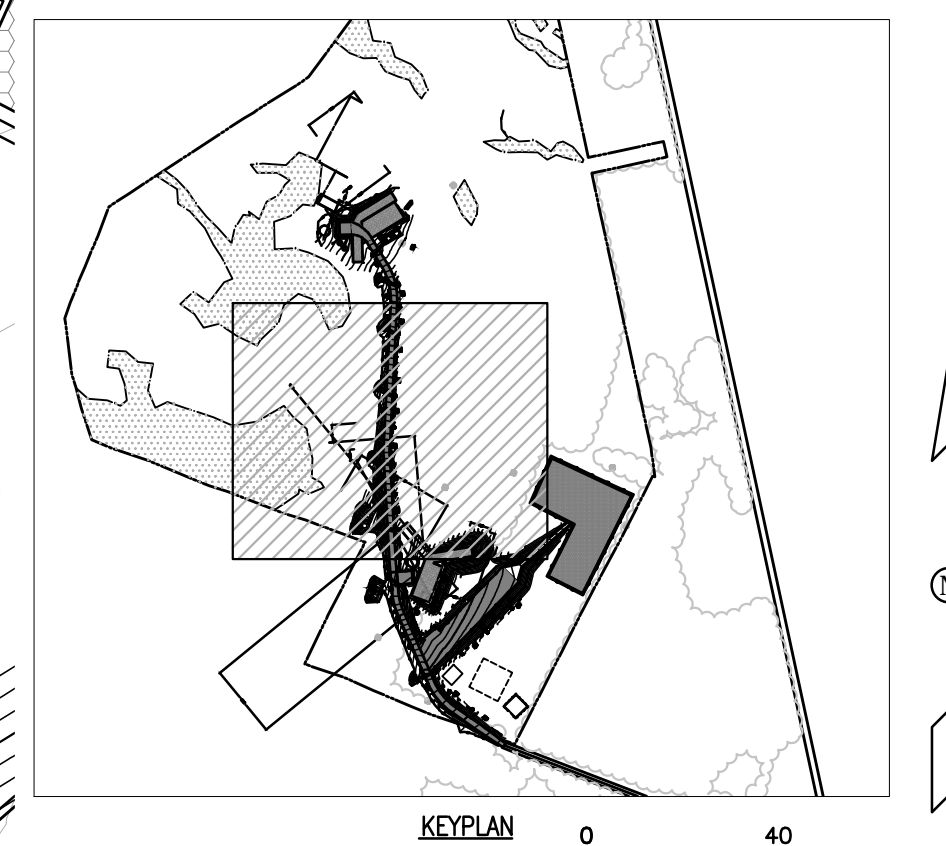


NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND

C P	PERMANENT CULVERT PIPE
S F	SILT FENCE
HB	STRAW HAY BALES
(Symbol)	WETLAND LIMITS
84C 84B	SOIL TYPE BOUNDARY
(Symbol)	PERMANENT ROCK CHECK DAM
(Symbol)	RIP RAP
← FLOW	FLOW ARROW
(TS)	TEMPORARY SEEDING
(TST)	TEMPORARY SEDIMENT TRAP
(GF)	GEO-TEXTILE FABRIC
(RR)	RIPRAP
(ECB)	EROSION CONTROL BLANKET
(PS)	PERMANENT SEEDING
(Symbol)	PERMANENT CATCH BASIN
(Symbol)	COMPACTED EARTH
(Symbol)	GRAVEL
(Symbol)	LAYDOWN AREA
(Symbol)	TEMPORARY SPOIL AREA
(Symbol)	PERMANENT RIPRAP LINED SWALE
(Symbol)	PERMANENT LEVEL SPREADER



REVISIONS

MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY: DATE: 03-11-11
DRAWN BY: CWC BY: TLK
RSW
SUBMITTED BY: ZAPATA INC.
PARCEL NO.: TAX MAP # 12, BLOCK # A, LOT 178
PLOT SCALE: PLOT DATE: 03-28-11
AS SHOWN
FILE NUMBER: 1385
FILE NAME: WINDPROSPECT.EROSIONCONTROL.Plan.dwg
ANSI D

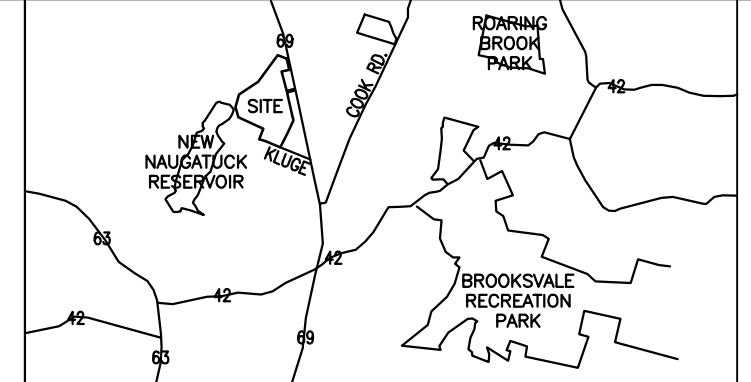
ZAPATA
 6502 LAWRENCE ROAD, SUITE 200, WESTPORT, CT 06880
 PHONE: (203) 356-8040
 FAX: (203) 356-8047
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 ACCESS ROAD STA: 9+00 TO 15+00
 EROSION CONTROL PLAN

SHEET
 IDENTIFICATION
C-202



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND

	PERMANENT CULVERT PIPE
	SILT FENCE
	STRAW HAY BALES
	WETLAND LIMITS
	SOIL TYPE BOUNDARY
	PERMANENT ROCK CHECK DAM
	RIP RAP
	FLOW ARROW
	TEMPORARY SEEDING
	TEMPORARY SEDIMENT TRAP
	GEO-TEXTILE FABRIC
	RIPRAP
	EROSION CONTROL BLANKET
	PERMANENT SEEDING
	PERMANENT CATCH BASIN
	COMPACTED EARTH
	GRAVEL
	LAYDOWN AREA
	TEMPORARY SPOIL AREA
	PERMANENT RIPRAP LINED SWALE
	PERMANENT LEVEL SPREADER

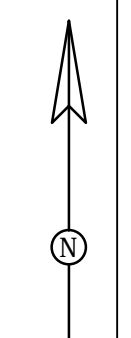
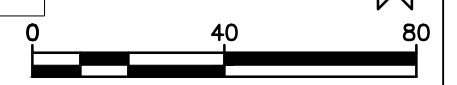
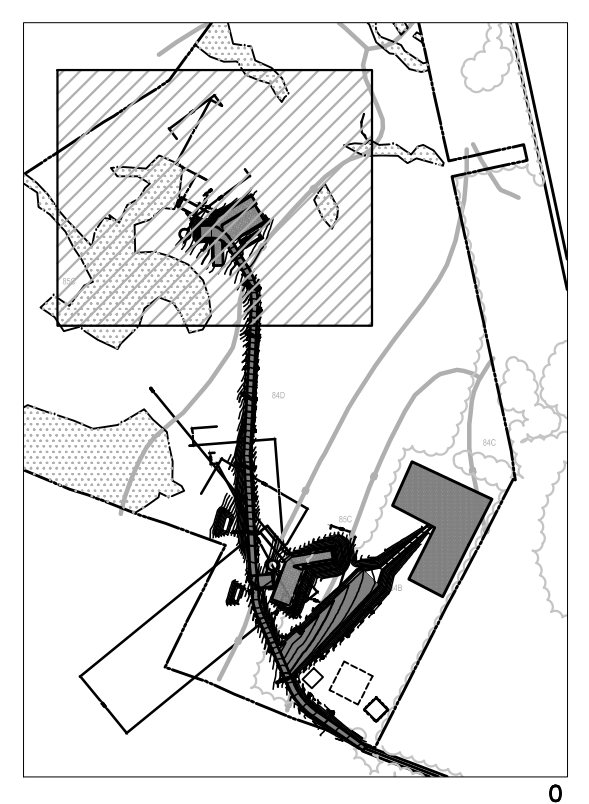
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4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	03/11
DRAWN BY:	OWNER:	BNE ENERGY
SUBMITTED BY:	PARCEL NO.:	774
	TAX MAP #:	12
	BLOCK #:	LOT 178
	FILE NUMBER:	1385
	FILE NAME:	WindProspect_ErosionControlPlan.dwg

ZAPATA
 6302 LAWREN ROAD, SUITE 200, DANBURY, CT 06810
 PHONE: (203) 356-8940
 FAX: (203) 356-8941
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 TURBINE LOCATION TWO
 EROSION CONTROL PLAN

SHEET
 IDENTIFICATION
C-203



D

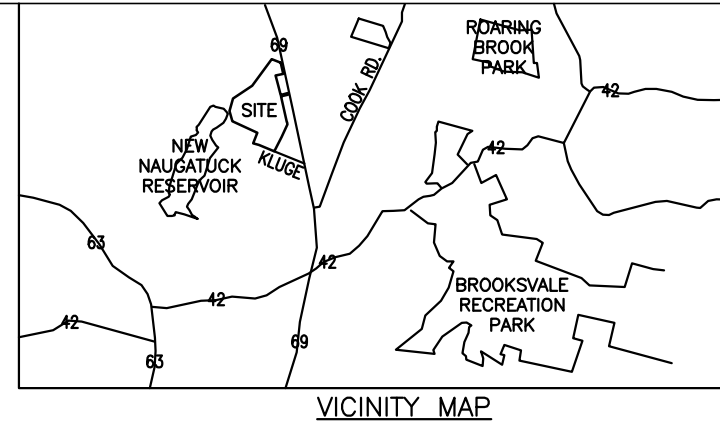
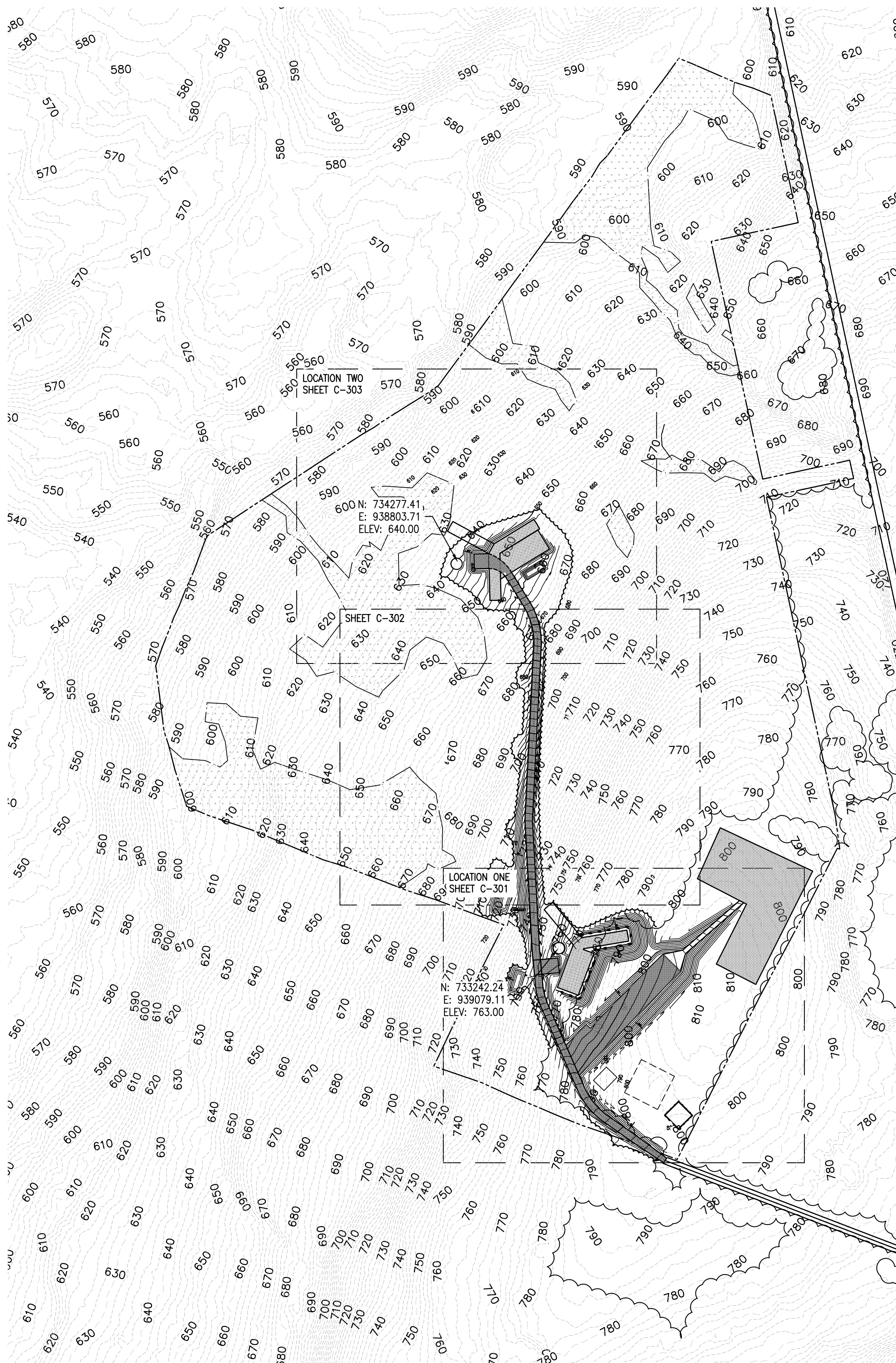
C

B

A

GRADING NOTES:

- DISCREPANCIES SHOULD BE NOTED AND GUIDANCE OBTAINED FROM THE ENGINEER PRIOR TO CONTINUING WORK.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING ALL EXISTING UNDERGROUND UTILITIES.
- GENERAL CONTRACTOR TO MONITOR STORM WATER RUNOFF DURING AND AFTER CONSTRUCTION TO ENSURE PROPER DRAINAGE.
- 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.
- ALL SURFACES SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS.
- GENERAL CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM TOWER PADS.
- MASS GRADING WILL NOT BE CONDUCTED ON THIS SITE.
- ALL EROSION CONTROL STRUCTURES TO BE INSTALLED PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
- ALL PAVEMENT CUTS, CONCRETE OR 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, OR AS AMENDED.



LEGEND

	CULVERT PIPE
	DITCH LINE
	EXISTING TOPO
	NEW TOPO
	WETLAND LIMITS
	VEGETATION
	POST CONSTRUCTION VEGETATION LINE
	COMPACTED EARTH
	WETLAND
	GRAVEL
	LAYDOWN AREA

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

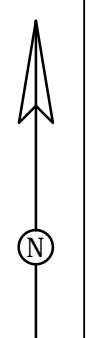
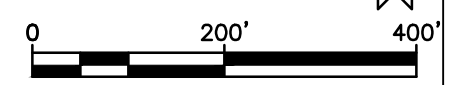
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4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

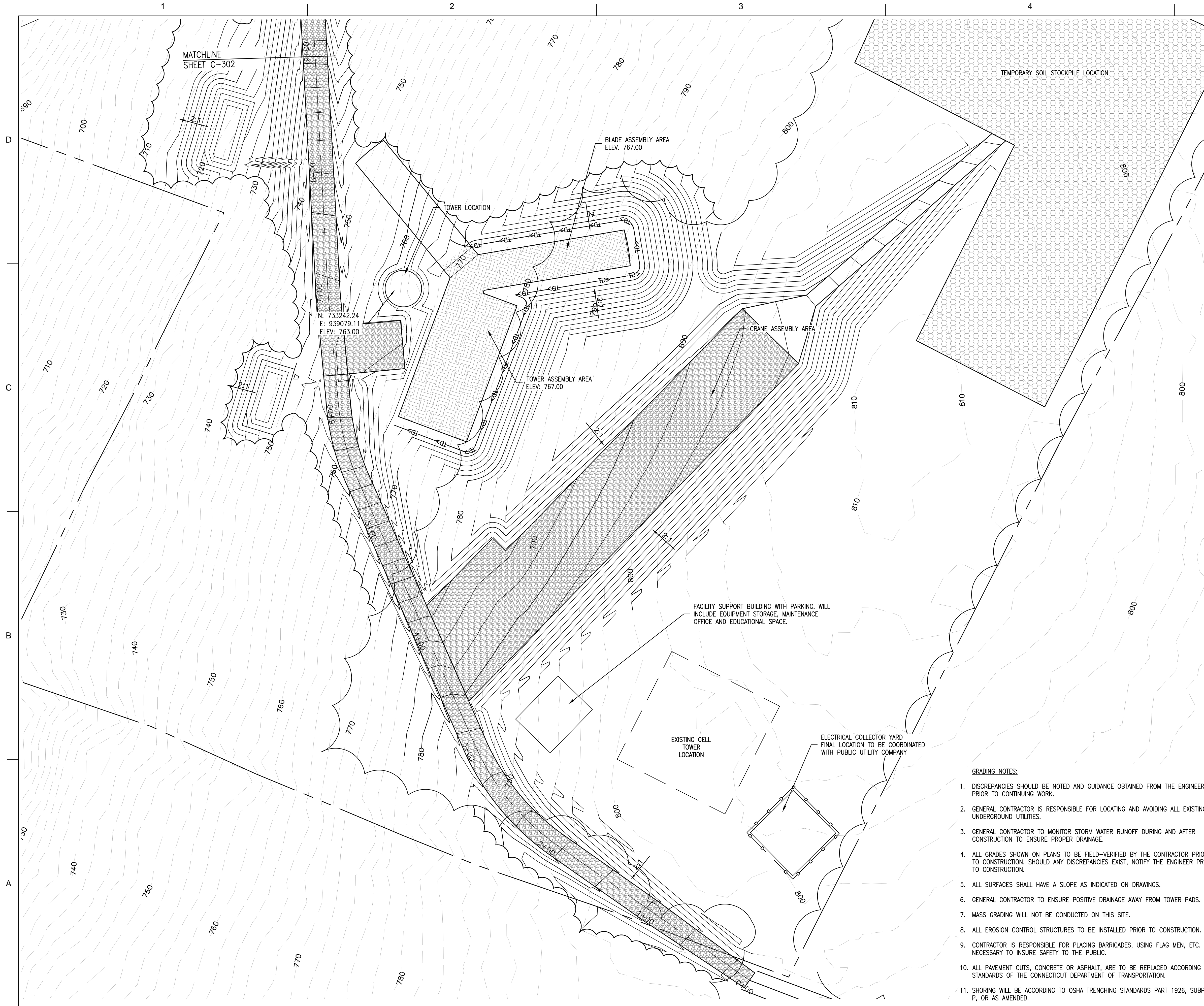
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DRAWN BY:	CHECKED BY:	TLK
RSW	TLK	
SUBMITTED BY:	PARCEL NO.:	733242.24
ZAPATA, INC.	TAX MAP NO.:	12 BLOCK IN LOT 178
	FILE NUMBER:	1385
	FILE NAME:	

ZAPATA
 6502 LAWREN ROAD, SUITE 300, 06460
 ZAPATAINC.COM WWW.ZAPATAINC.COM

WIND PROSPECT
CONNECTICUT
GRADING PLAN

SHEET IDENTIFICATION
C-300





N: 733242.24
E: 939079.11
ELEV: 763.00

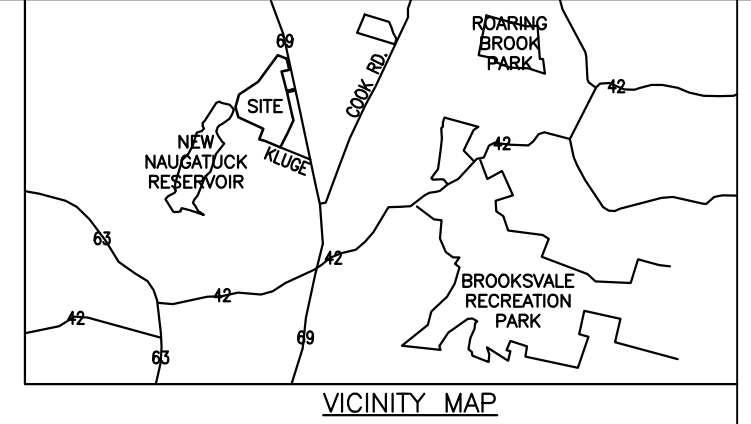
FACILITY SUPPORT BUILDING WITH PARKING. WILL INCLUDE EQUIPMENT STORAGE, MAINTENANCE OFFICE AND EDUCATIONAL SPACE.

EXISTING CELL TOWER LOCATION

ELECTRICAL COLLECTOR YARD FINAL LOCATION TO BE COORDINATED WITH PUBLIC UTILITY COMPANY

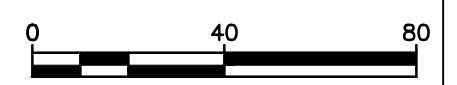
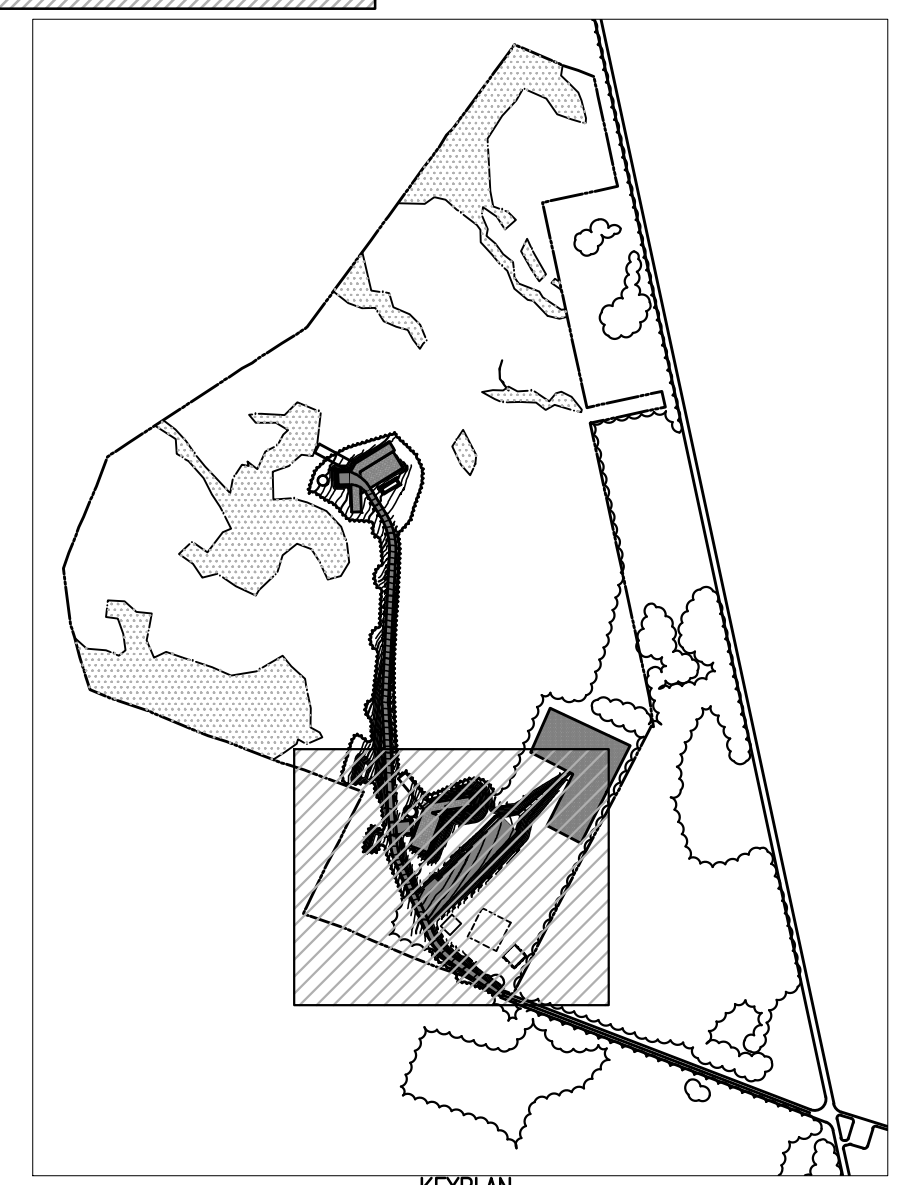
GRADING NOTES:

- DISCREPANCIES SHOULD BE NOTED AND GUIDANCE OBTAINED FROM THE ENGINEER PRIOR TO CONTINUING WORK.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING ALL EXISTING UNDERGROUND UTILITIES.
- GENERAL CONTRACTOR TO MONITOR STORM WATER RUNOFF DURING AND AFTER CONSTRUCTION TO ENSURE PROPER DRAINAGE.
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- SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926, SUBPART P, OR AS AMENDED.



LEGEND

	C P	CULVERT PIPE
		DITCH LINE
		EXISTING TOPO
		NEW TOPO
		WETLAND LIMITS
		VEGETATION
		POST CONSTRUCTION VEGETATION LINE
		COMPACTED EARTH
		WETLAND
		GRAVEL
		LAYDOWN AREA



MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
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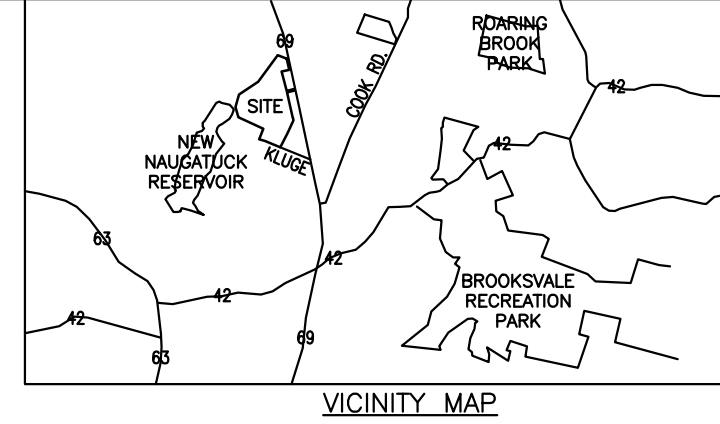
DESIGNED BY:	DATE:	03/28/11
DRAWN BY:	OWNER:	BNE ENERGY
RSW	PROJECT NO.:	733242.24
TLK	TAX MAP:	12 BLOCK 18A LOT 178
TLK	FILE NUMBER:	1385
TLK	FILE NAME:	WindProspectOneAndCraneAssemblyAreaConstructionPhaseGradingPlan

ZAPATA
6302 LAWRENCE ROAD, SUITE 300, BLOOMINGTON, CT 06032
PHONE: (860) 356-8940
FAX: (860) 356-8977
WWW.ZAPATAINC.COM

WIND PROSPECT CONNECTICUT
TURBINE LOCATION ONE AND CRANE ASSEMBLY AREA
CONSTRUCTION PHASE GRADING PLAN

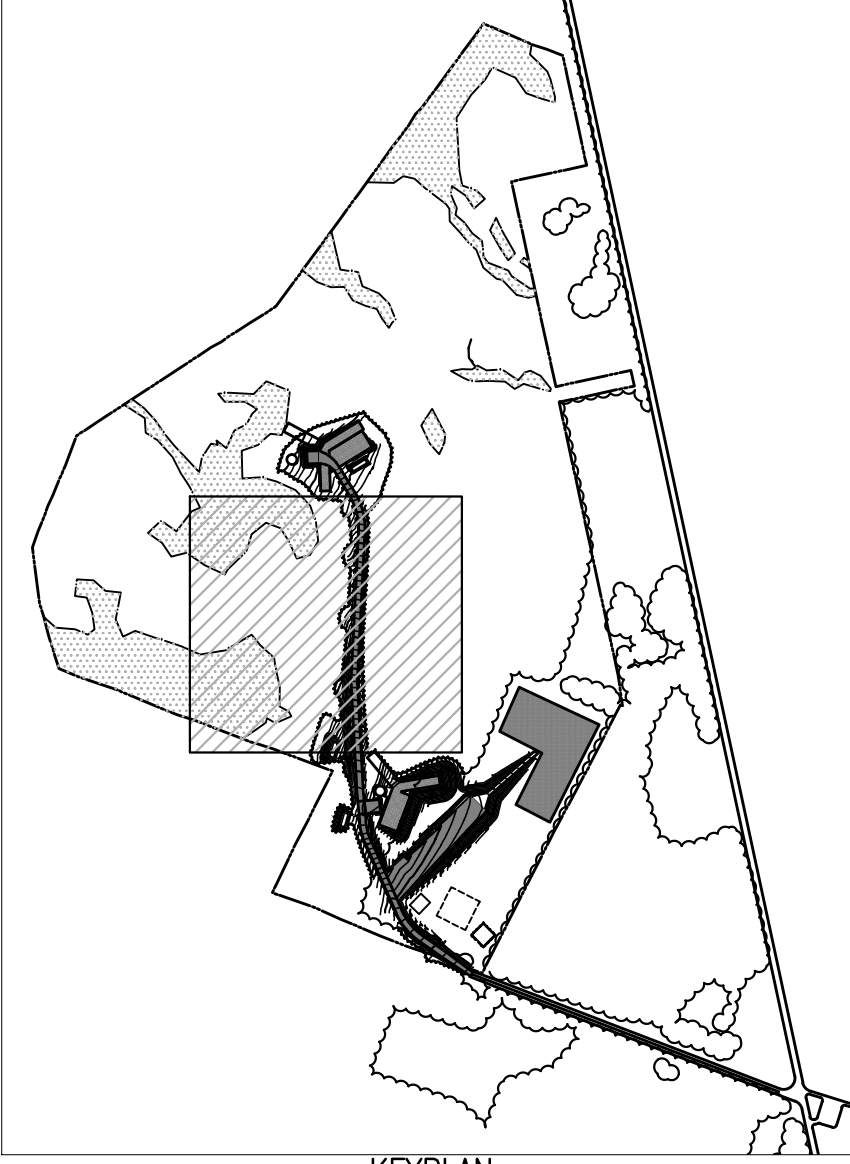
SHEET IDENTIFICATION
C-301

NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND

	C P	CULVERT PIPE
		DITCH LINE
		EXISTING TOPO
		NEW TOPO
		WETLAND LIMITS
		VEGETATION
		POST CONSTRUCTION VEGETATION LINE
		COMPACTED EARTH
		WETLAND
		GRAVEL
		LAYDOWN AREA



- GRADING NOTES:**
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 - SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926, SUBPART P, OR AS AMENDED.

MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	03/28/11
DRAWN BY:	CHECKED BY:	TLK
RSW	TLK	
SUBMITTED BY:	PARCEL NO.:	1385
ZAPATA, INC.	TAX MAP #:	12 BLOCK IN LOT 178
	FILE NUMBER:	03-28-11
PLOT SCALE:	AS SHOWN	
SIZE:	ANSI D	

ZAPATA
 6302 LAWREN ROAD, SUITE 200, DANBURY, CT 06811
 TEL: 203.261.1385
 WWW.ZAPATAINC.COM

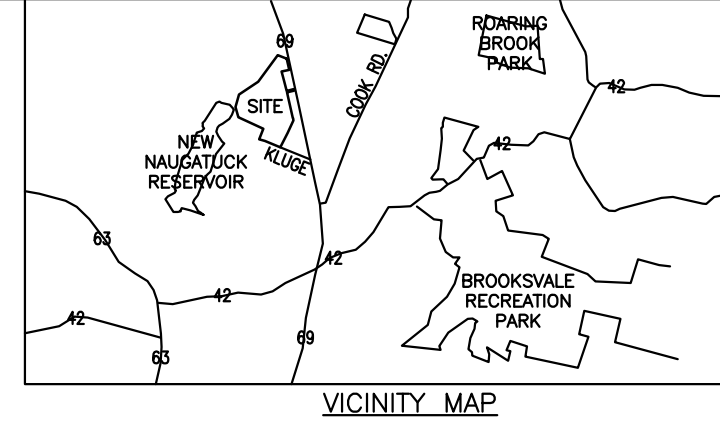
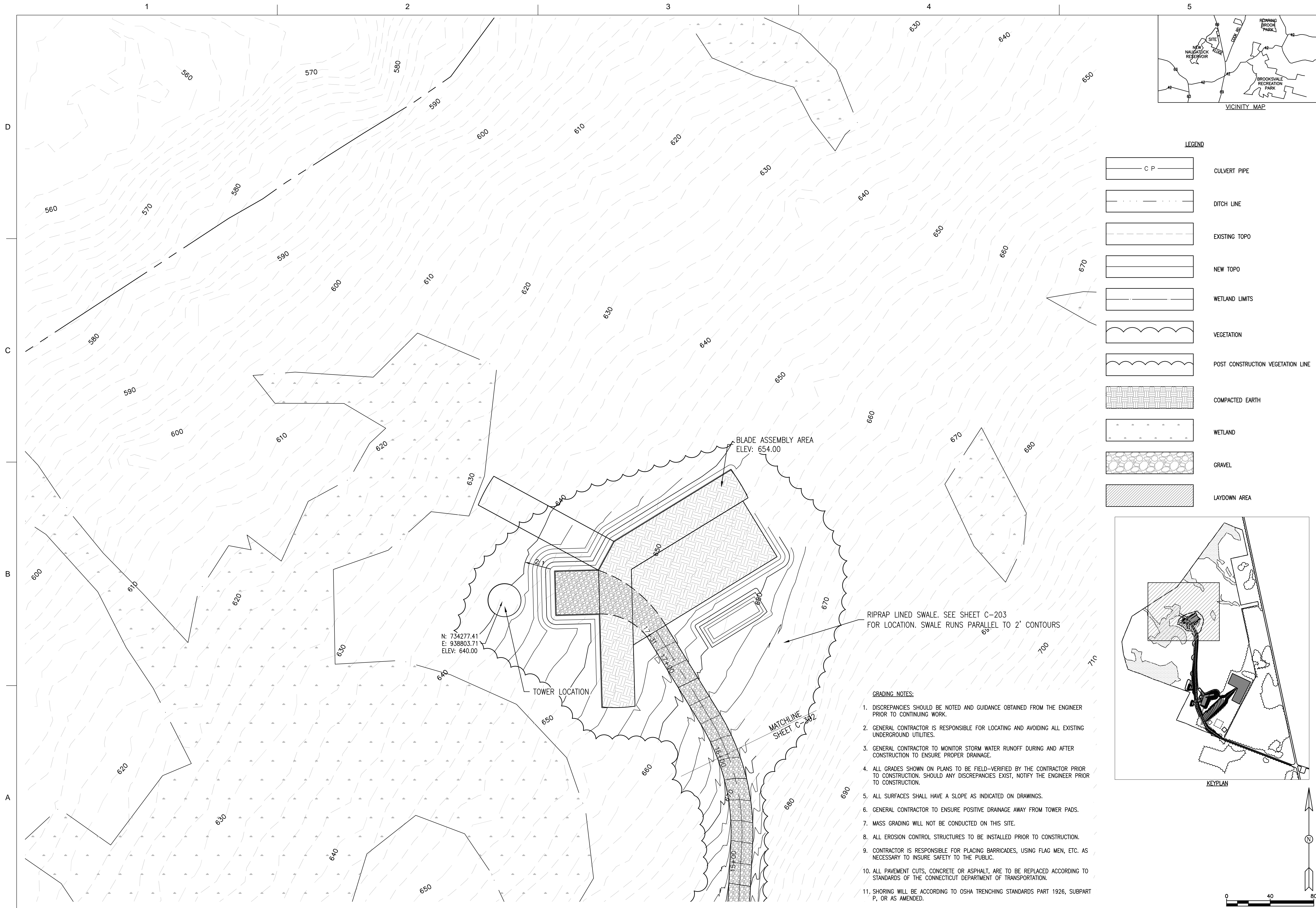
WIND PROSPECT
 CONNECTICUT
 ACCESS ROAD STA. 9+00 TO 15+00
 CONSTRUCTION PHASE GRADING PLAN

SHEET
 IDENTIFICATION
C-302

BNE Energy Inc.
 Producer of green clean energy

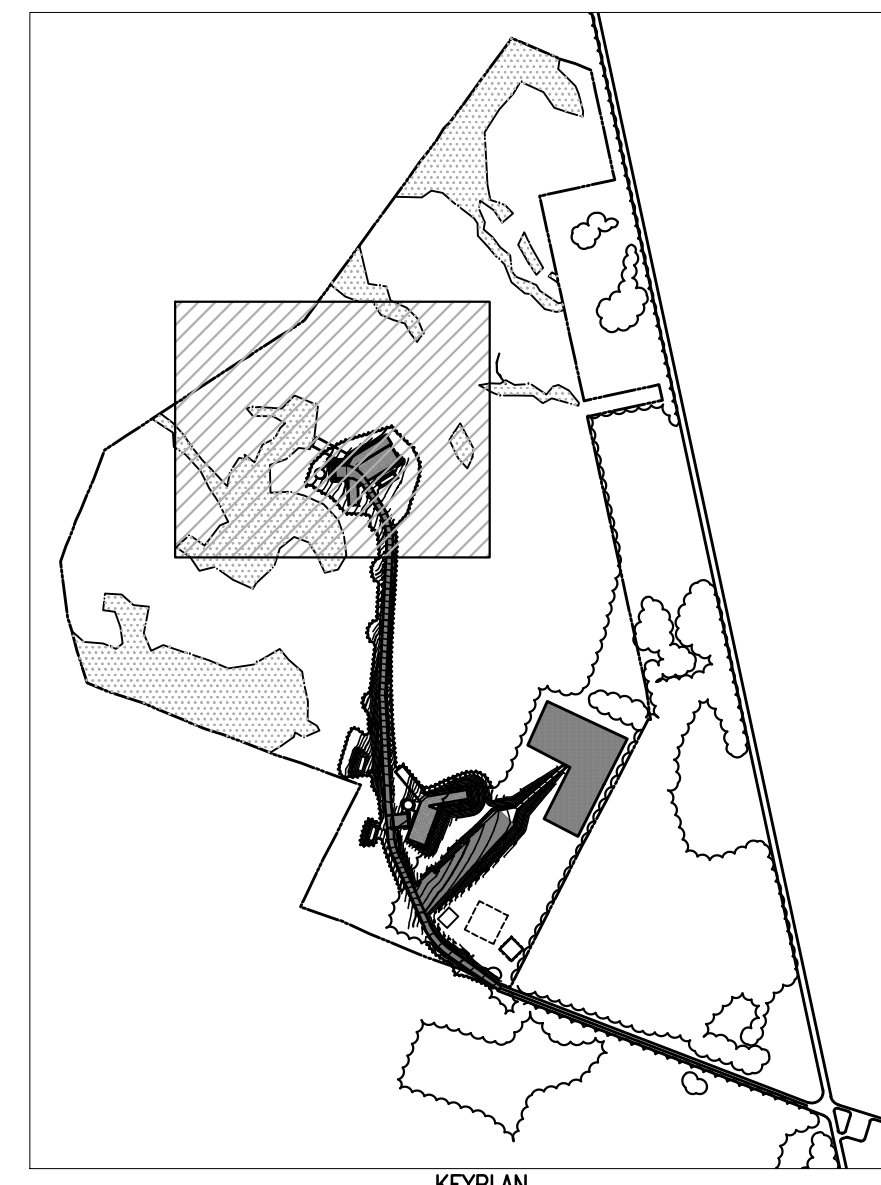


NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND

	C P	CULVERT PIPE
		DITCH LINE
		EXISTING TOPO
		NEW TOPO
		WETLAND LIMITS
		VEGETATION
		POST CONSTRUCTION VEGETATION LINE
		COMPACTED EARTH
		WETLAND
		GRAVEL
		LAYDOWN AREA



- GRADING NOTES:**
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.
 4. 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.
 5. ALL SURFACES SHALL HAVE A SLOPE AS INDICATED ON DRAWINGS.
 6. GENERAL CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM TOWER PADS.
 7. MASS GRADING WILL NOT BE CONDUCTED ON THIS SITE.
 8. ALL EROSION CONTROL STRUCTURES TO BE INSTALLED PRIOR TO CONSTRUCTION.
 9. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
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 11. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926, SUBPART P, OR AS AMENDED.

MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	03/28/11
DRAWN BY:	OWNER:	BNE ENERGY
SUBMITTED BY:	PARCEL NO.:	178
FILE NUMBER:	FILE NUMBER:	1385
ANSI D:	ANSI D:	

ZAPATA
 6302 LAWRENCE ROAD, SUITE 200, DANBURY, CT 06810
 PHONE: (203) 356-8940
 FAX: (203) 356-8947
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 TURBINE LOCATION TWO
 CONSTRUCTION PHASE GRADING PLAN

SHEET
 IDENTIFICATION
C-303

BNE Energy Inc.
 Producer of green clean energy



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

1

2

3

4

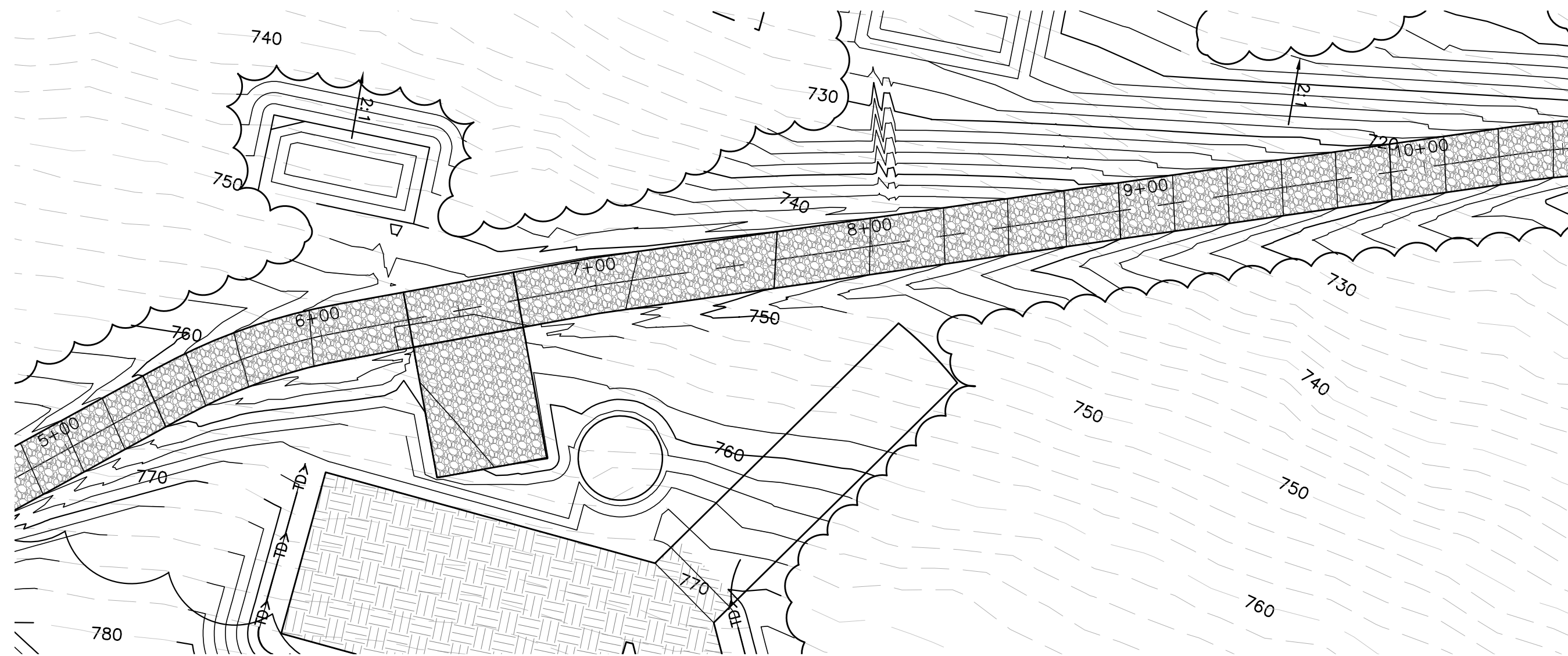
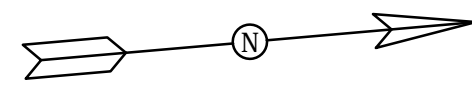
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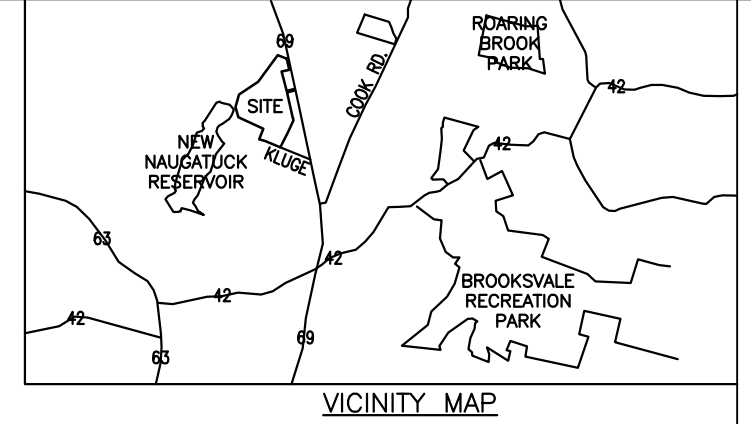
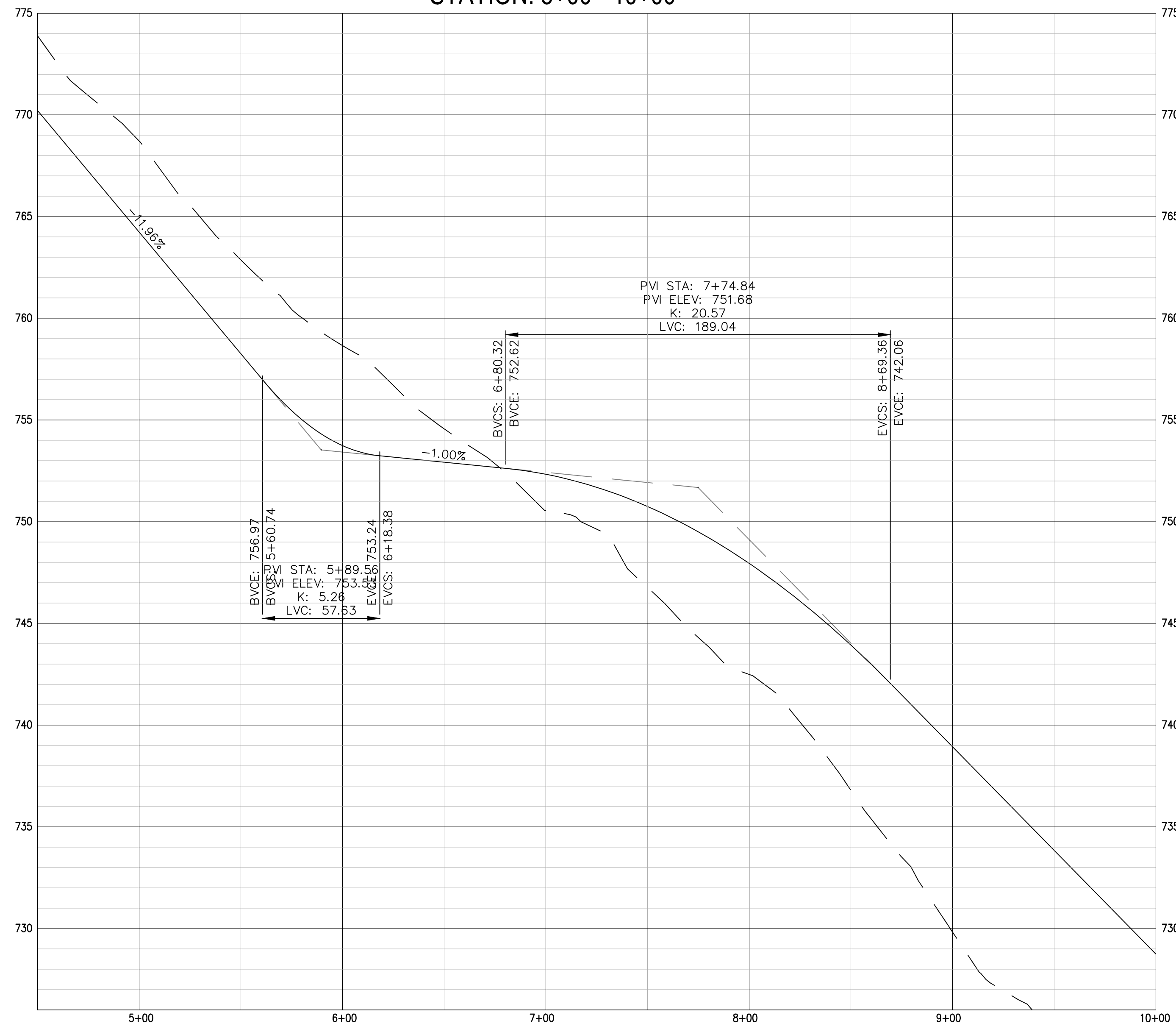
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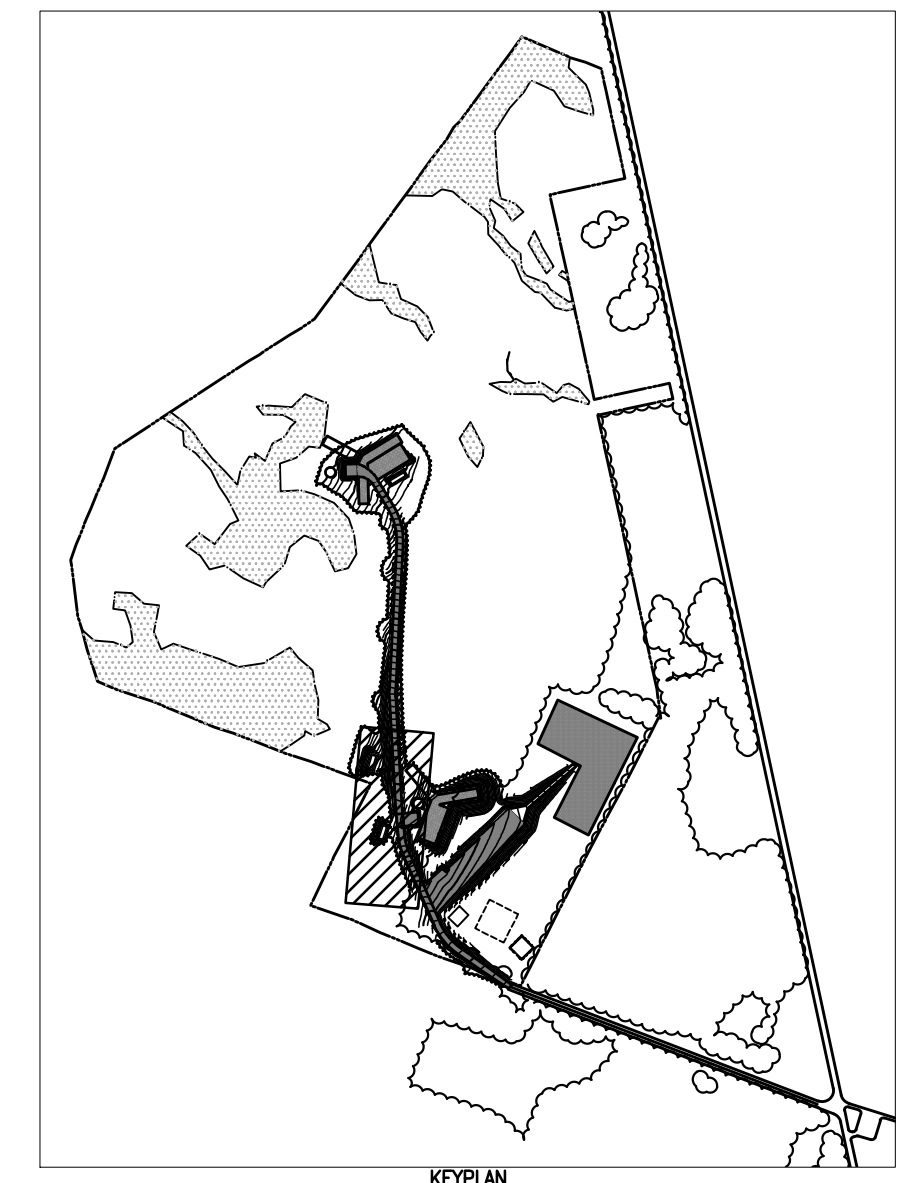
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STATION: 5+00 - 10+00



VICINITY MAP



KEYPLAN

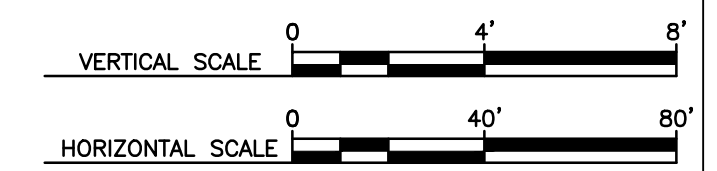
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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	OWNER:
DRAWN BY:	03-28-11	BNE ENERGY
RSW	TLK	
SUBMITTED BY:	PARCEL NO.:	FILE NUMBER:
ZAPATA, INC.	TAX MAP # 12, BLOCK #A, LOT 178	1385
	PLOT SCALE:	AS SHOWN
	FILE NAME:	
	ANSI D	

ZAPATA
 6302 MARVIEW ROAD, SUITE 200, DANBURY, CT 06810
 PHONE: (203) 356-8240
 FAX: (203) 356-8242
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 ACCESS ROAD PLAN AND PROFILE
 STA. 5+00 TO 10+00

SHEET
 IDENTIFICATION
C-305



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

1

2

3

4

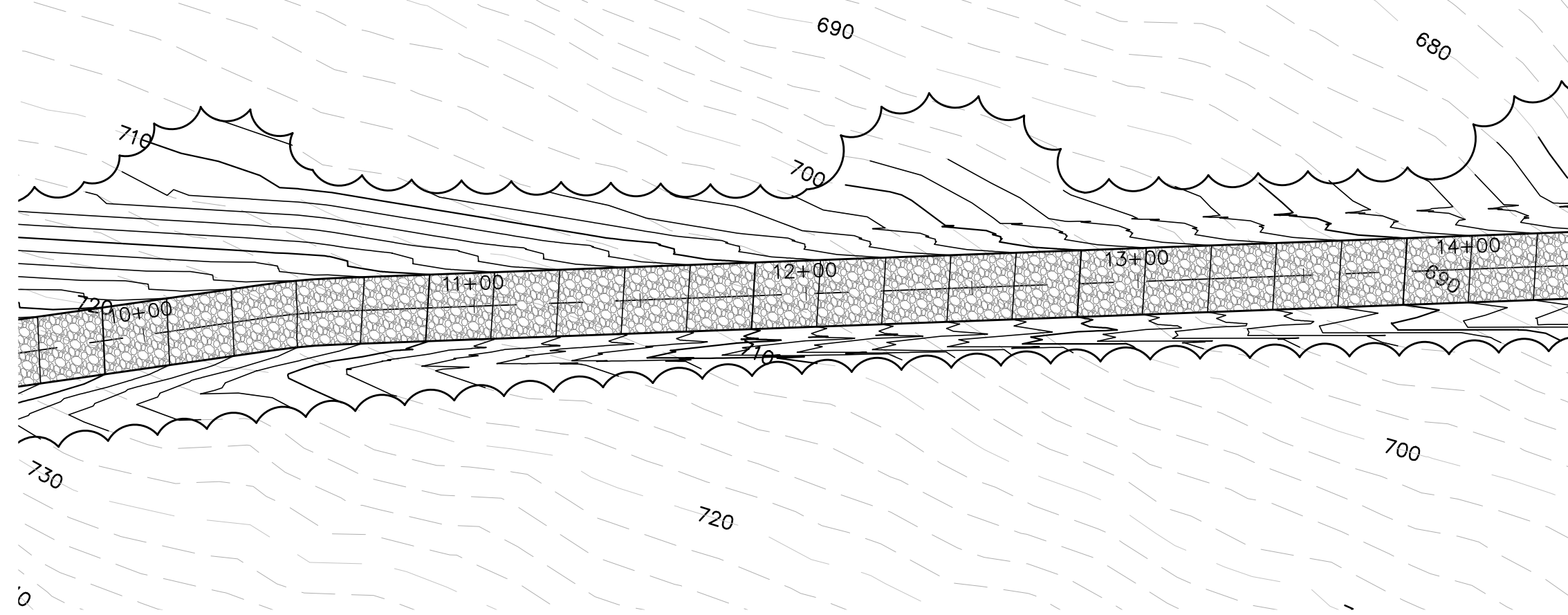
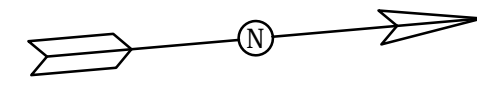
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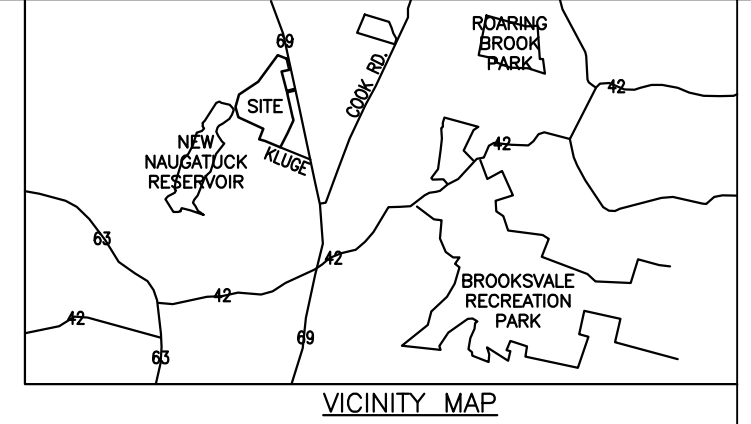
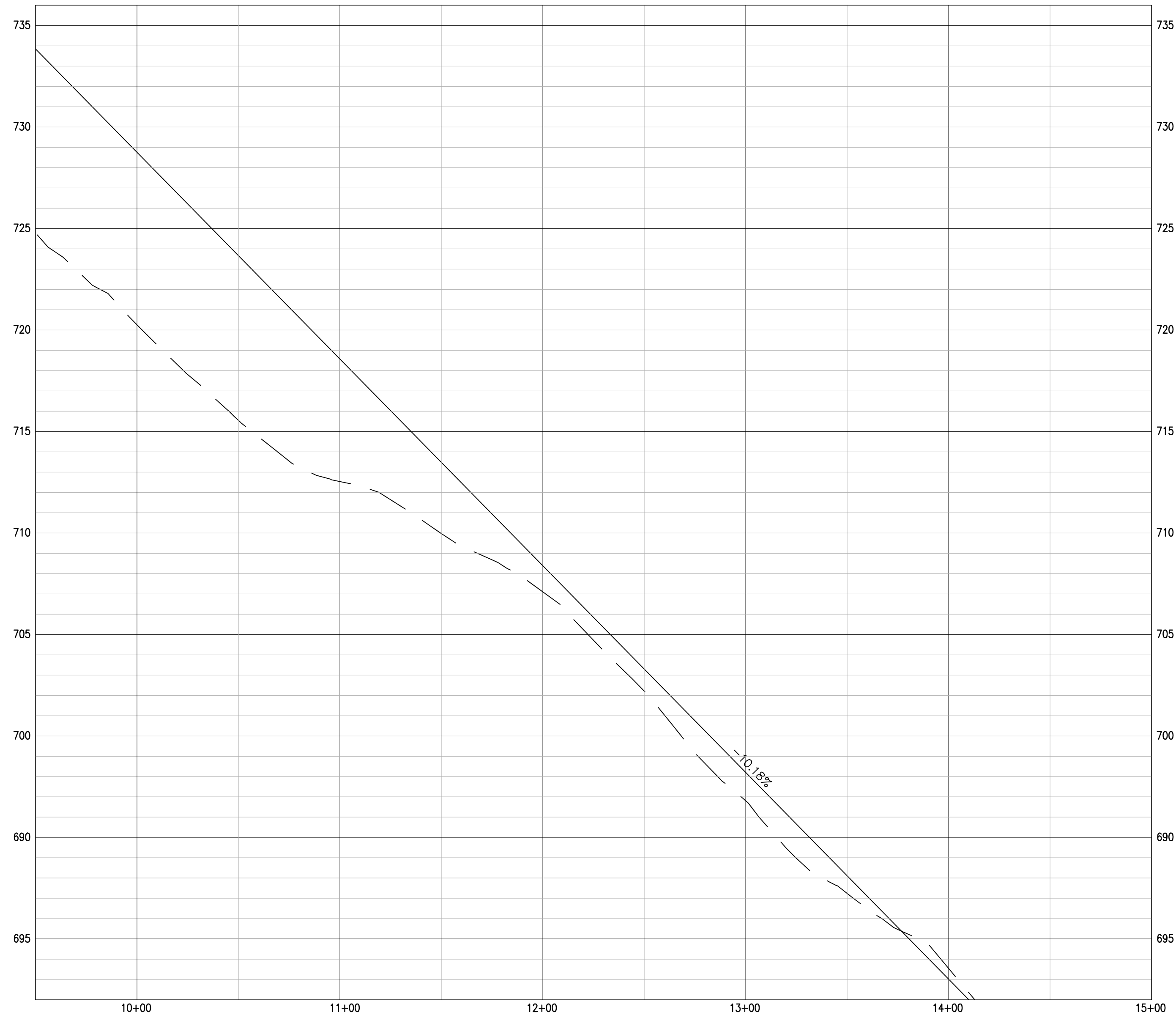
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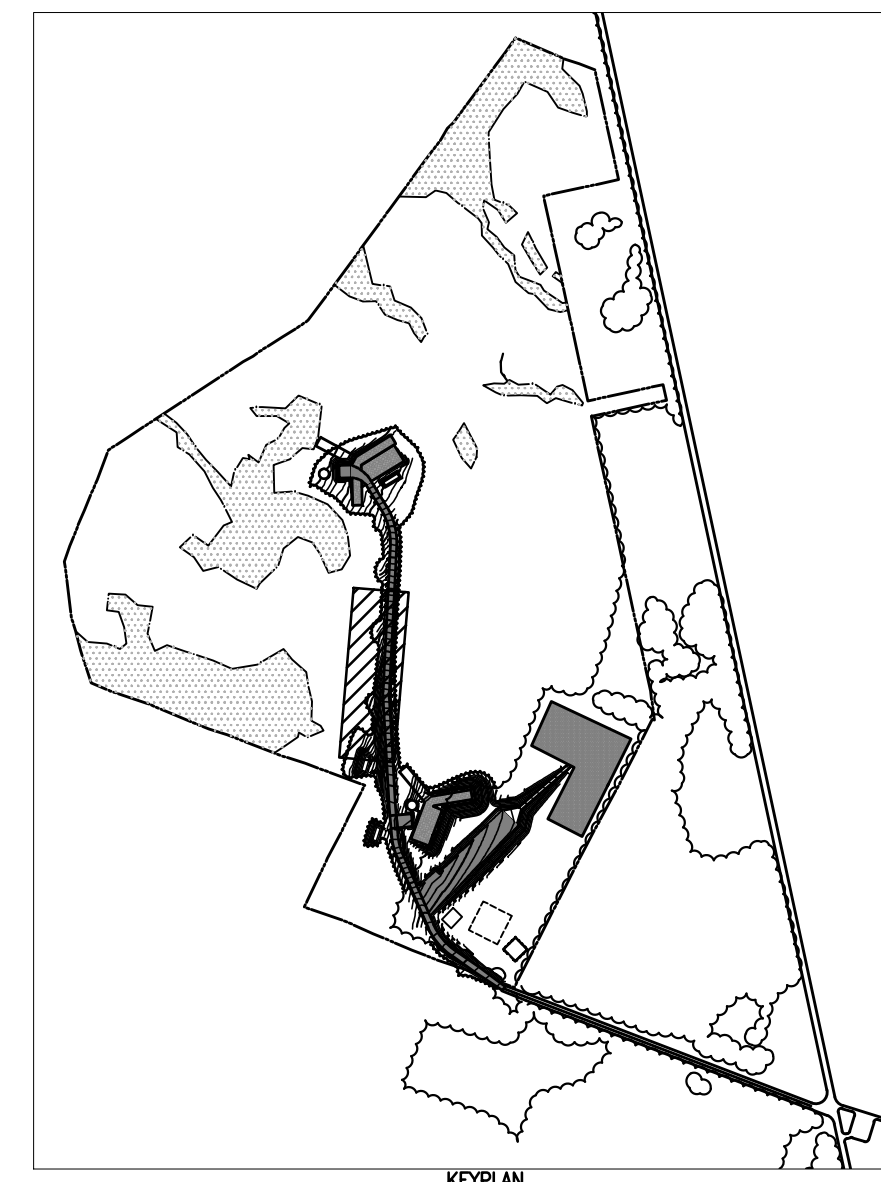
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STATION: 10+00 - 14+00



VICINITY MAP



KEY PLAN

BNE Energy Inc.
 Producer of green clean energy



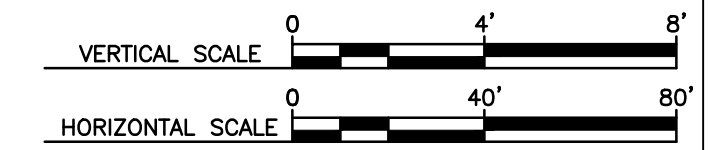
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4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	03/28/11
DRAWN BY:	OWNER:	BNE ENERGY
RSW	TLK	
SUBMITTED BY:	PARCEL NO.:	
ZAPATA, INC.	TAX MAP #:	12, BLOCK #A, LOT 178
	FILE NUMBER:	
	AS SHOWN	03-28-11
SIZE:	FILE NAME:	
ANSI D		

ZAPATA
 ENGINEERS & ARCHITECTS
 6302 LAWRENCE ROAD, SUITE 200, 06460
 ZAPATAENGINEERS.COM WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 ACCESS ROAD PLAN AND PROFILE
 STA: 10+00 TO 14+00

SHEET
 IDENTIFICATION
C-306



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

1

2

3

4

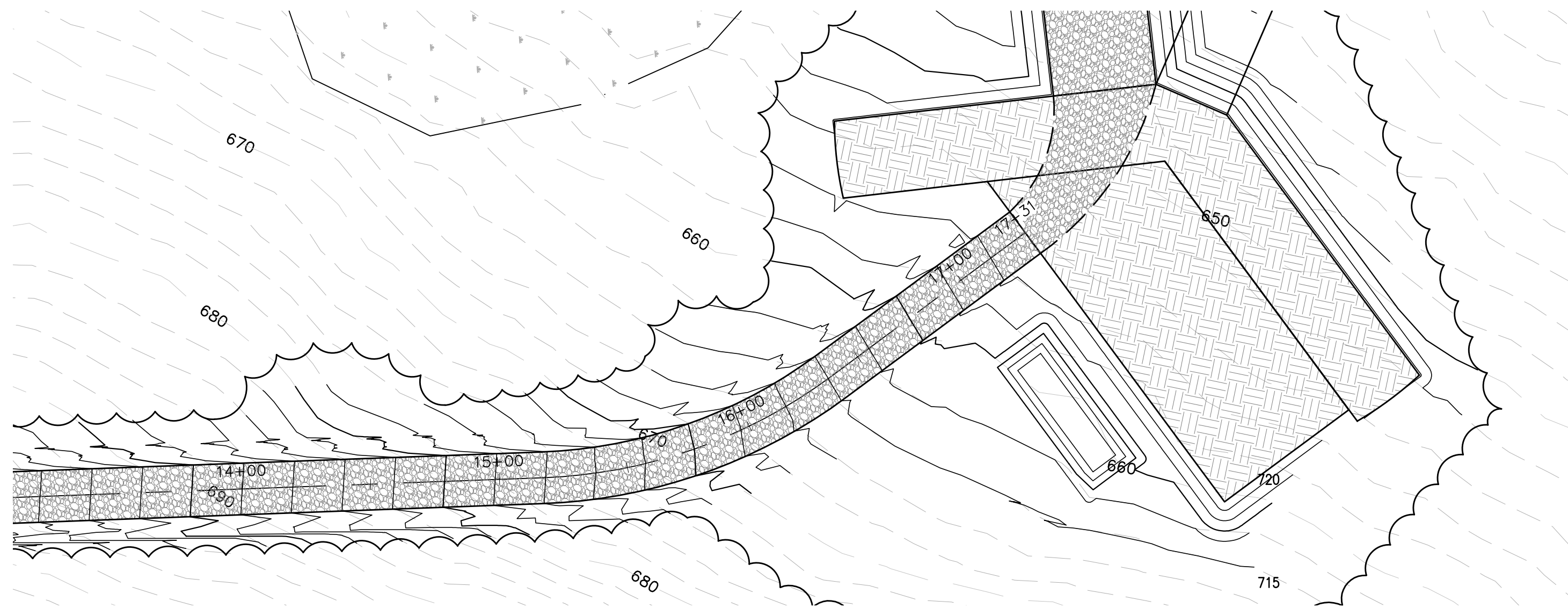
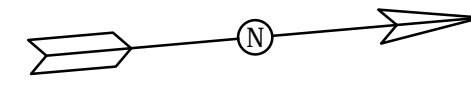
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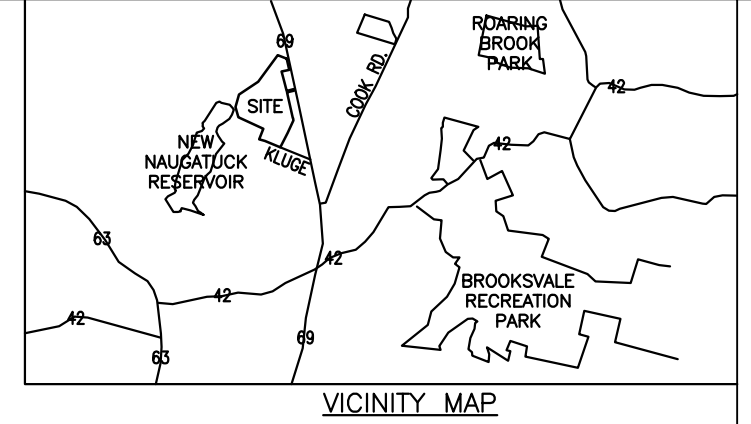
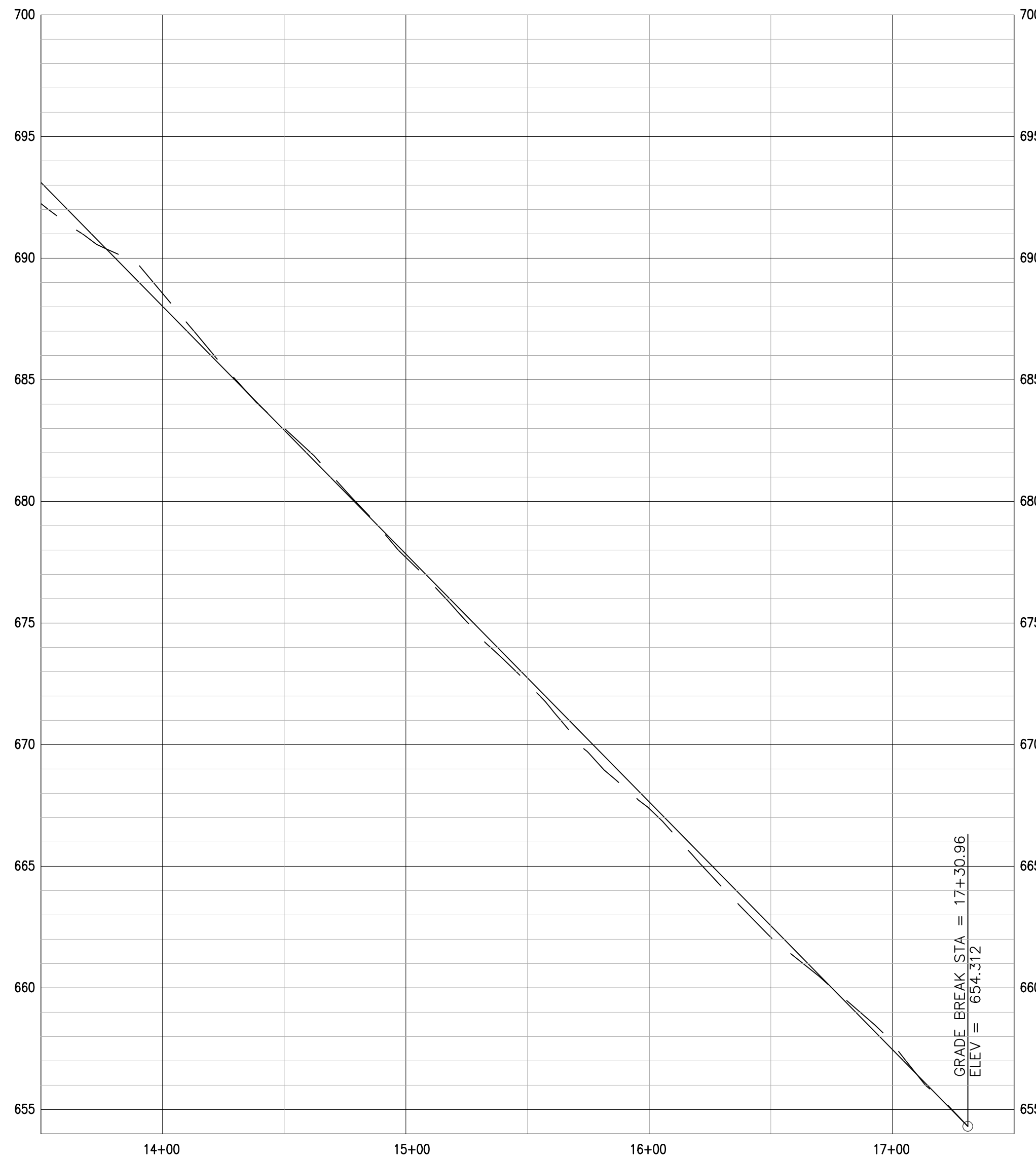
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STATION: 14+00 - 17+30



VICINITY MAP



KEY PLAN

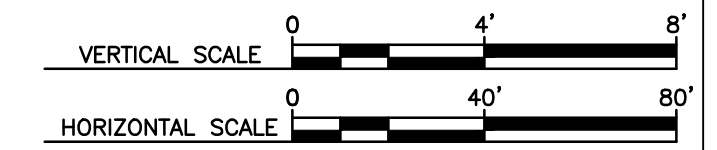
MARK	DESCRIPTION	DATE	APPR.
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1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:
DRAWN BY:	OWNER:
SUBMITTED BY:	PARCEL NO.:
PLOT SCALE:	TAX MAP #:
AS SHOWN:	FILE NUMBER:
SIZE:	FILE NAME:
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ZAPATA
 6302 FAIRVIEW ROAD, SUITE 200, FAIRVIEW, CT 06424
 PHONE: (781) 356-8240
 FAX: (781) 356-8242
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 ACCESS ROAD PLAN AND PROFILE
 STA: 14+00 TO 17+30

SHEET
 IDENTIFICATION
C-307

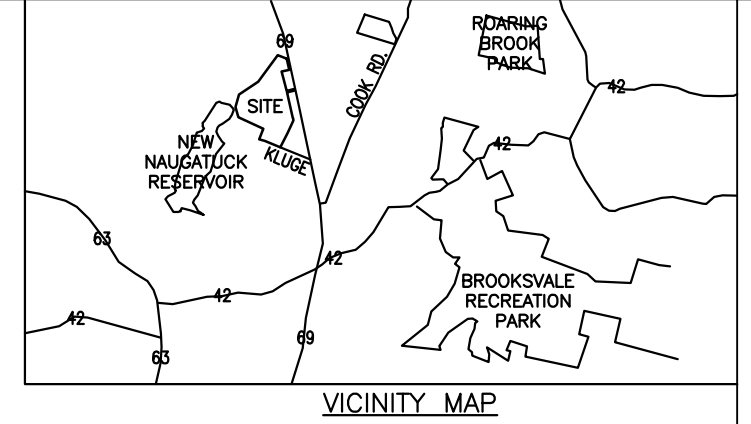


NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

D
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GRADING NOTES:

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LEGEND

- CULVERT PIPE
- DITCH LINE
- EXISTING TOPO
- NEW TOPO
- WETLAND LIMITS
- PROPERTY LINE
- VEGETATION
- COMPACTED EARTH
- WETLAND
- GRAVEL
- LAYDOWN AREA

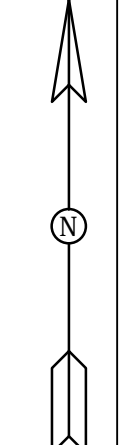
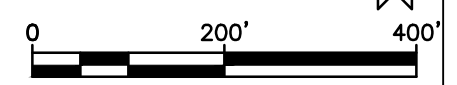
MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
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1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	03/28/11
DRAWN BY:	OWNER:	BNE ENERGY
RSW	FILE NUMBER:	1385
TLK	AS SHOWN	03-28-11
TLK	FILE NAME:	WindProspect_Consulting_Plan_03-28-11.dwg
TLK	ANSI D	
TLK	PLANNED BY:	ZAPATA INC.
TLK	PARCEL NO.:	74X MB P 12, BLOCK 88, LOT 178
TLK	TAX MAP:	12, BLOCK 88, LOT 178
TLK	PLANNED BY:	ZAPATA INC.
TLK	PLANNED BY:	ZAPATA INC.
TLK	PLANNED BY:	ZAPATA INC.

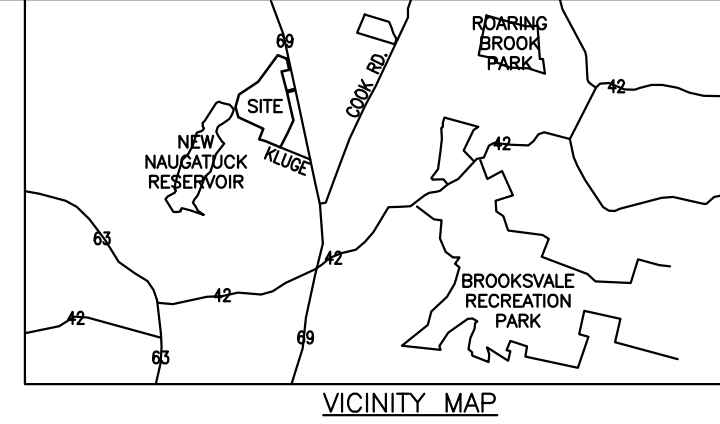
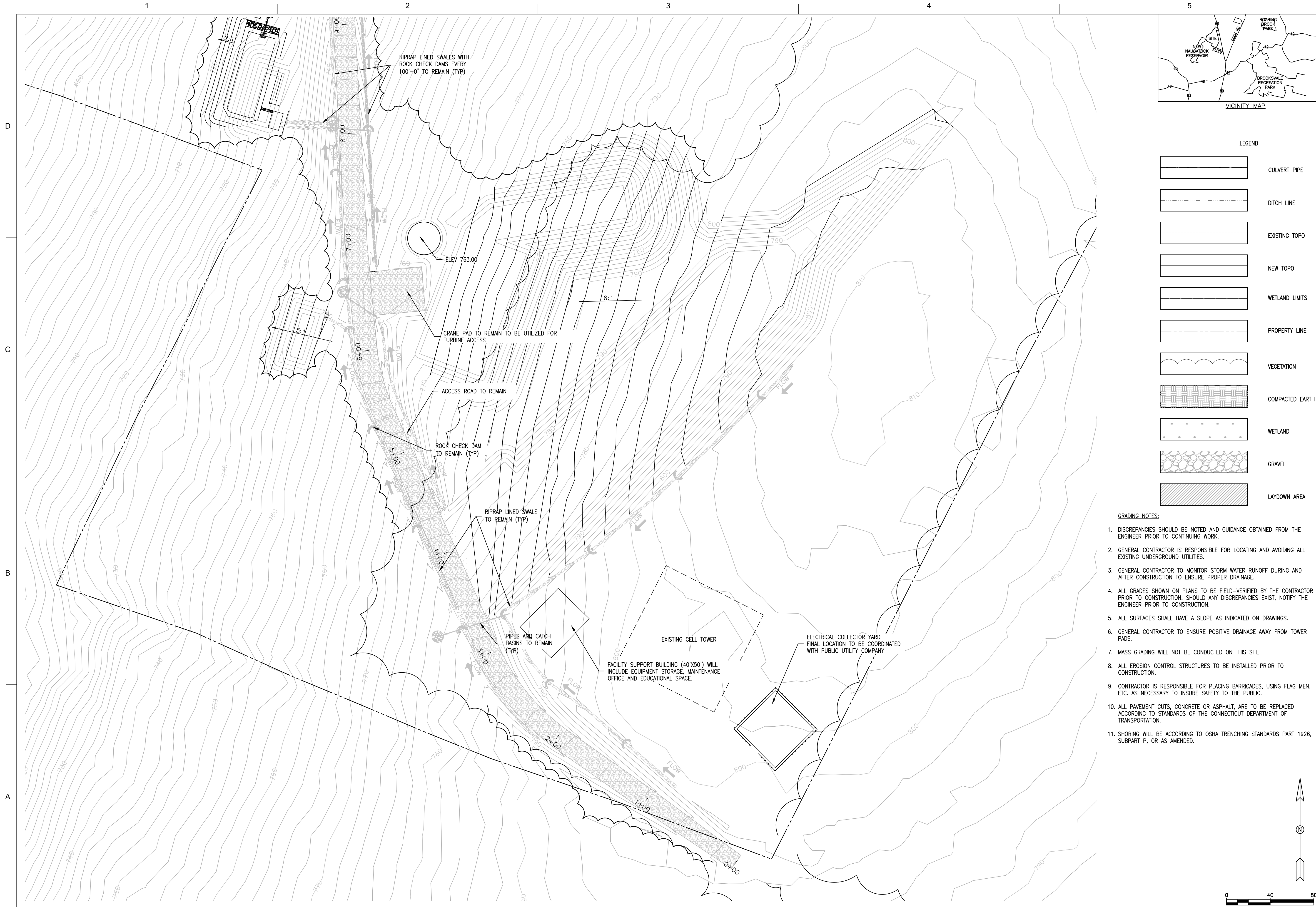
ZAPATA
INCORPORATED
6502 FAIRVIEW ROAD, SUITE 300, 06457
FAIRVIEW, CT
TEL: 860.356.8040
WWW.ZAPATINC.COM

WIND PROSPECT
CONNECTICUT
POST-CONSTRUCTION GRADING PLAN

SHEET
IDENTIFICATION
C-308



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND

	CULVERT PIPE
	DITCH LINE
	EXISTING TOPO
	NEW TOPO
	WETLAND LIMITS
	PROPERTY LINE
	VEGETATION
	COMPACTED EARTH
	WETLAND
	GRAVEL
	LAYDOWN AREA

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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:
DRAWN BY:	03/28/11
RSW	TLK
DESIGNED BY:	DATE:
TLK	03/28/11
DESIGNED BY:	DATE:
TLK	03/28/11
DESIGNED BY:	DATE:
TLK	03/28/11

ZAPATA
 6302 LAWRENCE ROAD, SUITE 200, WESTPORT, CT 06880
 PHONE: (203) 356-8540
 FAX: (203) 356-8541
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 TURBINE LOCATION ONE AND CRANE ASSEMBLY AREA
 POST-CONSTRUCTION GRADING PLAN

SHEET
 IDENTIFICATION
C-309



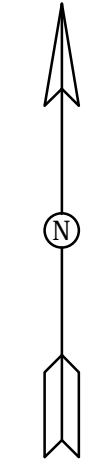
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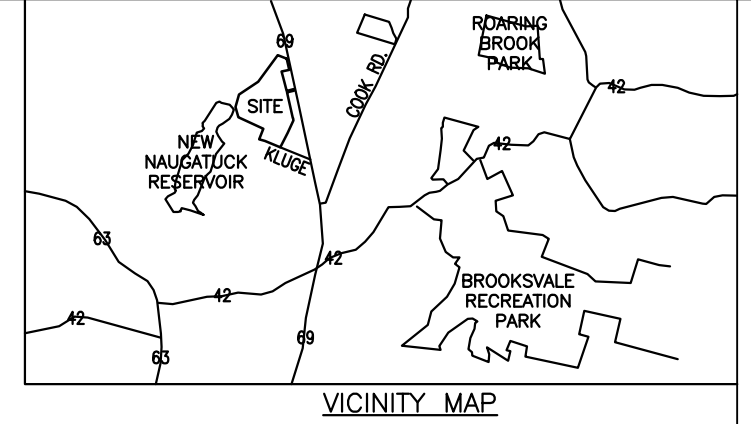
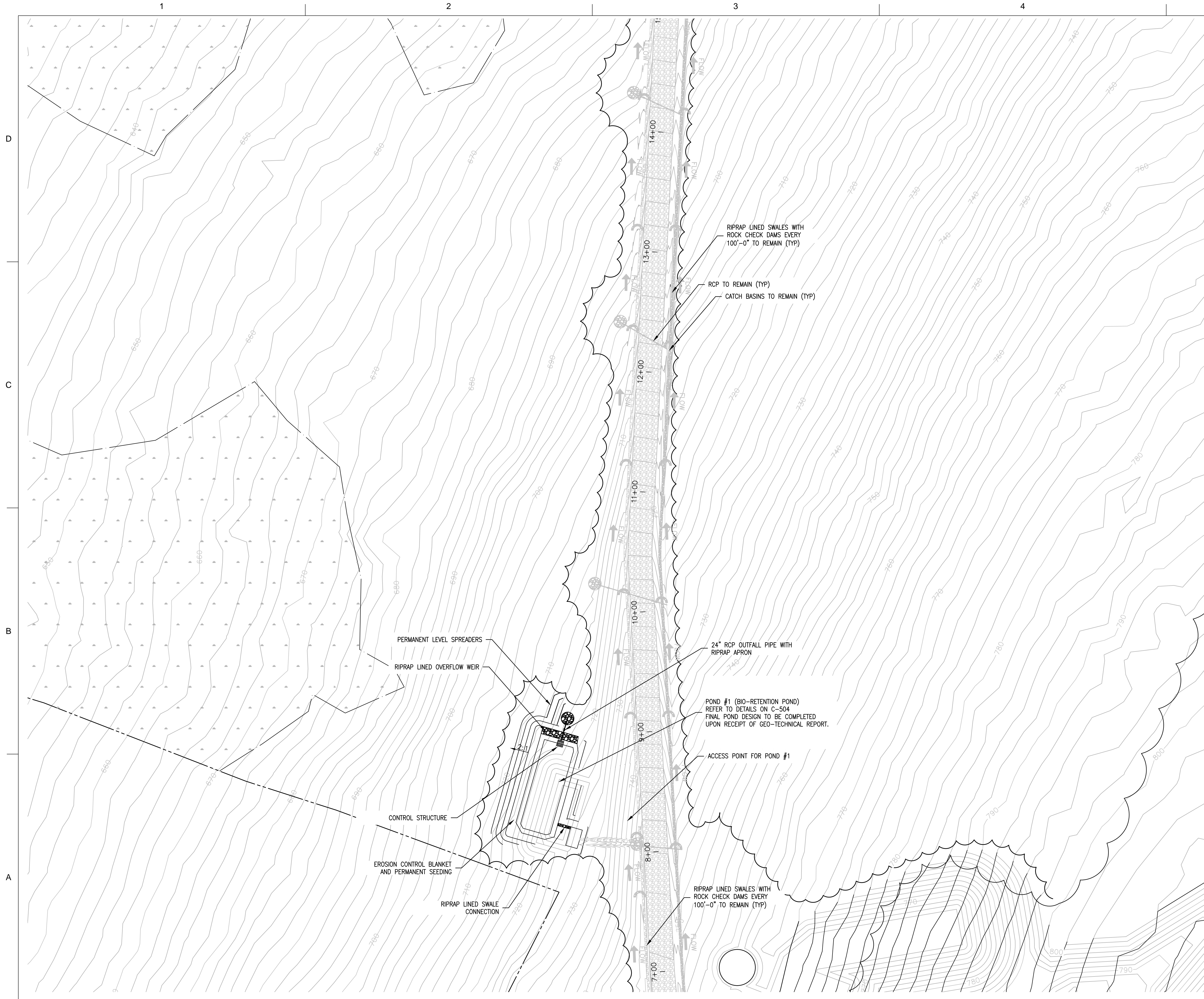
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NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY





LEGEND

[Symbol]	CULVERT PIPE
[Symbol]	DITCH LINE
[Symbol]	EXISTING TOPO
[Symbol]	NEW TOPO
[Symbol]	WETLAND LIMITS
[Symbol]	PROPERTY LINE
[Symbol]	VEGETATION
[Symbol]	COMPACTED EARTH
[Symbol]	WETLAND
[Symbol]	GRAVEL
[Symbol]	LAYDOWN AREA

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1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:
DRAWN BY:	CHECKED BY:
SUBMITTED BY:	DESIGNED BY:
FILE NUMBER:	FILE NAME:
1385	

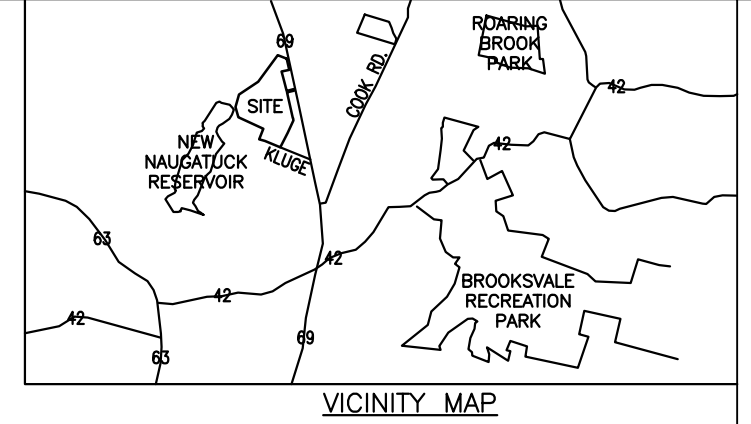
ZAPATA
 6302 LAWREN ROAD, SUITE 100, PHOENIX, AZ 85044
 480.444.2222
 WWW.ZAPATAINC.COM

WIND PROSPECT
 CONNECTICUT
 ACCESS ROAD STA: 9+00 TO 15+00
 POST-CONSTRUCTION GRADING PLAN

SHEET
 IDENTIFICATION
C-310



NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY



LEGEND

	CULVERT PIPE
	DITCH LINE
	EXISTING TOPO
	NEW TOPO
	WETLAND LIMITS
	PROPERTY LINE
	VEGETATION
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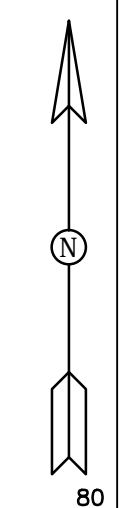
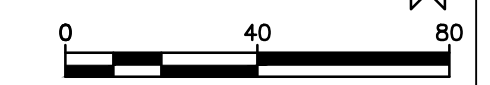
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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:
DRAWN BY:	03/28/11
REVISION:	TLK
DESIGNED BY:	CONTRACTOR:
TLK	BNE ENERGY
DESIGNED BY:	PARCEL NO.:
TLK	744 MP 112, BLOCK 14, LOT 178
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TLK	1385
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WIND PROSPECT
 CONNECTICUT
 TURBINE LOCATION TWO
 POST-CONSTRUCTION GRADING PLAN

SHEET
 IDENTIFICATION
C-311



PROJECT DESCRIPTION
 THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF TWO WIND TURBINES, ACCESS ROAD AND OTHER RELATED SUPPORT STRUCTURES.

SITE DESCRIPTION
 THE PROPERTY IS LOCATED AT 178 NEW HAVEN ROAD AND CONSISTS OF 67.5 ACRES. CURRENTLY THE MAJORITY OF THE PROPERTY IS UNDEVELOPED. THERE IS A 160 FOOT TALL TELECOMMUNICATIONS TOWER DEVELOPED IN THE SOUTHEAST CORNER OF THE PROPERTY. THE PROPERTY IS ABUTTED BY THE NEW NAUGATUCK RESERVOIR PROPERTY, WHICH CONSISTS OF APPROXIMATELY 67.50 ACRES OF UNDEVELOPED LAND. THE SURROUNDING LAND USES ARE MIXED, CONSISTING OF BOTH COMMERCIAL AND RESIDENTIAL DEVELOPMENT.

PLANNED SEDIMENTATION AND CONTROL PRACTICES
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.

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.

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.

TEMPORARY PIPE SLOPE DRAIN (TSD): WILL BE USED TO CARRY WATER OVER EXCESSIVE CHANGES IN GRADE. TSD'S WILL CONVEY CONCENTRATED STORM WATER 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.

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.

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.

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.

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.

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 TRUNKS 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. TEMPORARY SEDIMENT CONTROL BLANKET SHOULD BE INSTALLED ON FILL SLOPES ADJACENT TO THE BLADE LAY DOWN AREA AT TURBINE LOCATION TWO AFTER THE SLOPES HAVE BEEN CONSTRUCTED.

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

ACCESS ROAD

1. FLAG THE LIMITS OF CONSTRUCTION, ROADWAY BASE-LINE, AND TREE PROTECTION ZONES.

2. CONDUCT PRECONSTRUCTION MEETING.

3. CONDUCT TREE CUTTING MEETING.

4. INSTALL THE CONSTRUCTION ENTRANCE.

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

6. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. CHIP 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.

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

EQUIPMENT LAY-DOWN AREAS

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

2. HOLD PRECONSTRUCTION MEETING.

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

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

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

6. CONSTRUCT SEDIMENT TRAPS.

7. STRIP AND STOCKPILE ALL TOPSOIL THAT IS WITHIN THE FOOTPRINT OF THE 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.

8. MAKE ALL CUTS AND FILLS REQUIRED. ESTABLISH THE SUB GRADE FOR THE EQUIPMENT LAY DOWN AREAS AS REQUIRED. ALLOW A REASONABLE AMOUNT OF AREA 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 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 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 ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST BE MINIMIZED. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

5. 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.

6. PRIOR TO REMOVAL OF THE SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL 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, TEMPORARY SEEDING AND ANCHORED MULCH SHALL BE APPLIED TO DISTURBED AREAS.

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 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 THIS TIME PERIOD AS WELL.

11. NO PERMANENT CUT OR FILL SLOPE WITH A GRADIENT GREATER THAN 3:1 WILL BE PERMITTED IN LAWN MAINTENANCE AREAS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON-MAINTENANCE AREAS PROVIDED THAT THOSE ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENTS GREATER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.

12. FOR FINISHED GRADING THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS TO PREVENT WATER FROM PONDING FOR MORE THAN 24 HOURS AFTER THE END OF A RAINFALL EVENT. DRAINAGE COURSES AND SWALES MAY TAKE UP TO 48 HOURS AFTER THE END OF A RAINFALL EVENT TO DRAIN. AREAS DESIGNED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.

13. SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20 FEET OF A FOUNDATION THAT EXISTS OR IS UNDER CONSTRUCTION. NO STRUCTURES SHALL BE CONSTRUCTED WITHIN 20 FEET OF AN ACTIVE SEDIMENT TRAP OR BASIN.

14. THE SEDIMENT AND EROSION CONTROL INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES IF DEEMED NECESSARY.

15. ALL TRAP DEPTHS DIMENSIONS ARE RELATIVE TO THE OUTLET ELEVATION. ALL TRAPS MUST HAVE A STABLE OUTFALL. ALL TRAPS AND BASINS MUST HAVE STABLE INFLOW POINTS.

16. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING, AND GROUND COVERS.

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 BOTTOM 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 FROM 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 SEDIMENT TRAP OR BASIN PRIOR TO DISCHARGE FROM THE SITE.

19. 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.

20. ALL WASTE AND BORROW AREAS OFF-SITE MUST BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED.

21. SITES WHERE INFILTRATION DEVICES ARE USED FOR THE CONTROL OF STORM WATER, EXTREME CARE MUST BE TAKEN TO PREVENT RUNOFF FROM UN-STABILIZED AREAS FROM ENTERING THE STRUCTURE DURING CONSTRUCTION. SEDIMENT CONTROL DEVICES PLACED IN INFILTRATION AREAS MUST HAVE BOTTOM ELEVATIONS AT LEAST 2 FEET HIGHER THAN THE FINISHED GRADE BOTTOM ELEVATION OF THE INFILTRATION PRACTICE. WHEN CONVERTING A SEDIMENT TRAP TO AN INFILTRATION DEVICE, ALL ACCUMULATED SEDIMENT MUST BE REMOVED AND DISPOSED OF PRIOR TO FINAL GRADING OF THE INFILTRATION DEVICE.

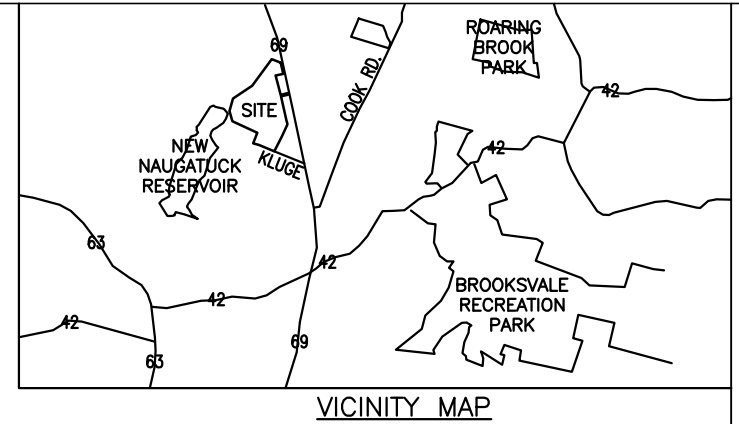
SITE INFORMATION:

TOTAL PROPERTY AREA: 67.50 ACRES
 TREE AREA TO BE CLEARED 193798 SQ. FT. / 4.28 ACRES
 AREA TO BE DISTURBED: 384885 SQ. FT. / 8.84 ACRES
 AREA WITHIN 100' WETLAND REVIEW AREA: 27934 SQ. FT. / 0.64 ACRES

CONSTRUCTION PHASE:
 TOTAL CUT: 47869 CUBIC YARDS
 TOTAL FILL: 8692 CUBIC YARDS
 NET CUT: 39177 CUBIC YARD

POST CONSTRUCTION PHASE:
 TOTAL CUT: 1978 CUBIC YARDS
 TOTAL FILL: 47192 CUBIC YARDS
 NET FILL: 45214 CUBIC YARDS

OFF-SITE WASTE / BORROW AREA LOCATION: NOT APPLICABLE



THIRD PARTY INSPECTIONS

1. A THIRD PARTY ENVIRONMENTAL INSPECTOR SHALL INSPECT THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES AND THE CONNECTICUT WATER COMPANY SHALL BE CONTACTED A MINIMUM OF 48 HOURS PRIOR TO THE START OF EROSION AND SEDIMENTATION CONTROLS INSTALLATION. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE THIRD PARTY ENVIRONMENTAL INSPECTOR, CONNECTICUT WATER COMPANY AND GENERAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

2. A THIRD PARTY ENVIRONMENTAL INSPECTOR WILL MONITOR EROSION AND SEDIMENTATION CONTROLS THROUGHOUT THE CONSTRUCTION PERIOD TO ENSURE THAT CONTROLS ARE PROPERLY MAINTAINED AND ANY RECOMMENDATIONS TO REMEDIATE FAILING CONTROLS OR REMOVE ACCUMULATED SEDIMENT ARE IMPLEMENTED BY THE CONTRACTOR IN A TIMELY FASHION.

3. A THIRD PARTY ENVIRONMENTAL INSPECTOR SHALL MONITOR EROSION AND SEDIMENTATION CONTROLS ON A WEEKLY BASIS OR WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.5 INCHES OR GREATER.

4. EROSION AND SEDIMENTATION CONTROL MONITORING REPORTS WILL BE PREPARED BY THE THIRD PARTY ENVIRONMENTAL INSPECTOR ON A BI-WEEKLY BASIS AND SUBMITTED TO THE CONNECTICUT SITING COUNCIL AND CONNECTICUT WATER COMPANY. IF SIGNIFICANT FAILURE OF EROSION AND SEDIMENTATION CONTROLS RESULT IN IMPACT TO WETLAND RESOURCES ON THE SUBJECT PROPERTY, THE CONNECTICUT SITING COUNCIL WILL BE NOTIFIED WITHIN 24 HOURS AND CONNECTICUT WATER COMPANY SHALL BE NOTIFIED IMMEDIATELY OF SUCH AN EVENT AND RECOMMENDED REMEDIATION MEASURES WILL BE IDENTIFIED.

5. THE CONNECTICUT WATER COMPANY SHALL BE CONTACTED A MINIMUM OF 48 HOURS PRIOR TO THE START OF INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND WILL HAVE ACCESS TO THE SITE AT ALL TIMES FOR INSPECTION.

SPILL PREVENTION PLAN

THE PROPOSED PROJECT IS LOCATED IN THE NEW NAUGATUCK RESERVOIR PUBLIC DRINKING WATER SUPPLY WATERSHED. AS A RESULT, THE CONTRACTOR SHALL TAKE CERTAIN PRECAUTIONS NECESSARY TO CONTAIN AND PROPERLY CLEAN UP ANY INADVERTENT FUEL OR PETROLEUM (I.E., OIL, HYDRAULIC FLUID, ETC.) SPILLS. A SPILL CONTAINMENT KIT CONSISTING OF A SUFFICIENT SUPPLY OF ABSORBENT PADS AND ABSORBENT MATERIAL SHALL BE MAINTAINED ON SITE THROUGHOUT THE DURATION OF THE PROJECT. IN ADDITION, A WASTE DRUM SHALL BE KEPT ON SITE TO CONTAIN ANY USED ABSORBENT PADS/MATERIAL FOR PROPER DISPOSAL OFF SITE. REFUELING AND MAINTENANCE OF VEHICLES OR MACHINERY SHALL TAKE PLACE IN A DESIGNATED AREA WITHIN THE CRANE ASSEMBLY AREA. FUEL AND OTHER HAZARDOUS MATERIALS SHALL BE STORED WITHIN A DESIGNATED AREA WITHIN THE CRANE ASSEMBLY AREA AND UTILIZE APPROPRIATE SECONDARY CONTAINMENT.

THE FOLLOWING PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR IN CASE OF A PETROLEUM RELEASE.

INITIAL RESPONSE

- STOP OPERATIONS AND SHUT OFF EQUIPMENT.
- REMOVE ANY SOURCES OF SPARK OR FLAME.
- CONTAIN THE SOURCE OF THE SPILL.
- DETERMINE THE APPROXIMATE VOLUME OF THE SPILL.
- IDENTIFY THE LOCATION OF NATURAL FLOW PATHS TO PREVENT THE RELEASE OF THE SPILL TO SENSITIVE NEARBY WATERWAYS OR WETLANDS.
- ENSURE THAT FELLOW WORKERS ARE NOTIFIED OF THE SPILL.

CLEAN UP & CONTAINMENT

- OBTAIN SPILL RESPONSE MATERIALS FROM THE ON-SITE SPILL RESPONSE KIT.
- LIMIT THE SPREAD OF THE SPILL BY PLACING ABSORBENT MATERIALS AROUND THE PERIMETER OF THE SPILL.
- CONTACT THE CONNECTICUT WATER COMPANY IMMEDIATELY AT (800) 428-3985 OR (860) 669-8630 ALONG WITH OTHER APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.
- CONTACT A DISPOSAL COMPANY TO PROPERLY DISPOSE OF CONTAMINATED MATERIALS.

FOLLOW-UP

- COMPLETE AN INCIDENT REPORT.
- SUBMIT A COMPLETED INCIDENT REPORT TO THE CONNECTICUT WATER COMPANY.

INCORPORATED	REQUESTED REVISIONS	DATE	APPROVAL
4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-28-11	TLK
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	DATE:
CONVENED BY:	03-11-11	03-11-11
REVISED BY:	TLK	TLK
CONVENED BY:	BNE ENERGY	BNE ENERGY
REVISED BY:	TLK	TLK
CONVENED BY:	ZAPATA INC.	ZAPATA INC.
REVISED BY:	TLK	TLK
CONVENED BY:	FILE NUMBER:	FILE NUMBER:
REVISED BY:	1385	1385

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WIND PROSPECT CONNECTICUT
 EROSION CONTROL NOTES

SHEET IDENTIFICATION
C-500



SEDIMENT AND EROSION CONTROL SHALL BE STRICTLY ENFORCED.

5-Stabilization Structures

Temporary Pipe Slope Drain (TSD)

Definition
A flexible or rigid pipe used to conduct water from the top of a slope to the toe of the slope.

Purpose

- To convey water over erosive grade changes.
- To convey concentrated stormwater runoff flows down the face of a slope without causing erosion problems either on or at the toe of the slope.

Applicability

- On cut or fill slopes where the soil or existing vegetative cover will not withstand concentrated runoff flows.
- For use less than 6 months.
- Where the contributing drainage area is 5 acres or less.

Planning Considerations

Temporary pipe slope drains should be planned and installed along with, or as part of, other erosion control practices in an overall surface water disposal system. This measure should be used only for the temporary conveyance of water and consideration should be given to the final stabilization of the area during the final planning stages. Temporary pipe slope drains are commonly used in conjunction with temporary diversion (see Diversion Functional Group) which direct water to the drain.

Design Criteria

The maximum allowable drainage area per drain is 5 acres. The material used in the temporary pipe slope drain shall be heavy duty flexible (see Figure TSD-2) or rigid conduit (see Figure TSD-3) designed for the purpose with hold down elements or rigid pipe supported with anchors. Additionally, use only one size pipe for any single installation.

The bottom of the pipe slope drain shall be fixed with the toe of the diversion berm (see Figure TSD-3). The pipe slope drain shall be used according to Figure TSD-3 and shall be protected with waterway fittings.

When directed into the temporary slope drain shall be in accordance with temporary diversion measures found in the Diversion Functional Group, where applicable. However, at a minimum, the length of the berm at the entrance of the drain shall be equal to the diameter of the pipe (D) plus 2 inches. When the berm height is greater than 30 inches at the inlet, it shall be sloped 3:1 or flatter. The area immediately below the outlet of the pipe slope drain shall be protected from erosion discharge with appropriate energy dissipaters. For drainage areas

Figure TSD-1: Size of Slope Drain

Maximum Drainage Area (Acres)	Pipe Diameter, D (in.)
0.5	12
2.5	18
5.0	24

Source: USDA-NRCS

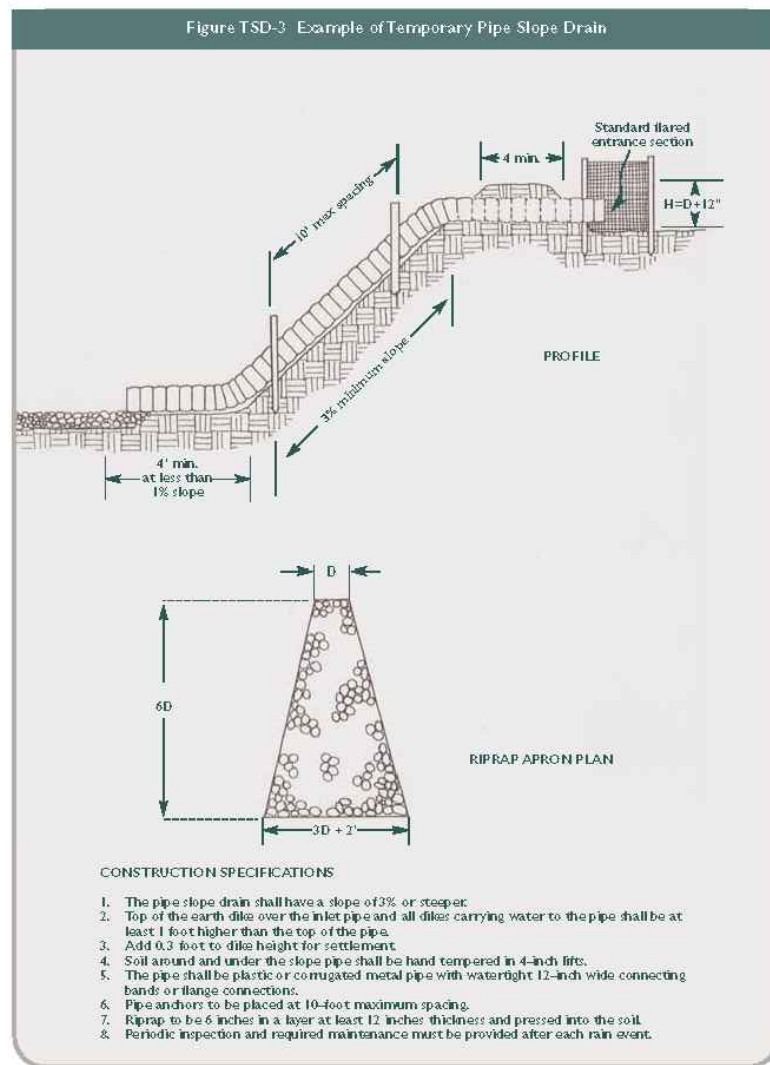
greater than 1 acre, lay tube check dams and geotextile fabric mats are not appropriate.

Installation Requirements

- Install a temporary pipe slope drain on a cut or a fill slope distance or immediately after construction of diversion berms.
- Stabilize the area from the top of the berm, around and under the entrance section of the drain to prevent erosion and piping failure at the inlet.
- Anchors for pipe slope drain securely space anchors a maximum of 10 feet on center.
- Securely fasten the sections of pipe together with wastrand fittings.

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 inch or greater. Remove any obstruction. Repair damage as necessary. Avoid the placement of any material on top of the pipe and prevent vegetation from growing across the slope drain.



2002 Connecticut Guidelines for Soil Erosion and Sediment Control

5.5.2.3

TEMPORARY PIPE DRAIN STABILIZATION

Scale: NTS

7-Diversions

Permanent Diversion (PD)

Definition
A channel constructed across a slope with a supporting outer ridge on the lower side.

Purpose

- To increase slope length and reduce erosion velocities.
- To intercept and divert storm water runoff to a stabilized outlet.
- To protect discharge areas from erosion and sedimentation.

Applicability

- Where the contributing watershed is 25 acres or less. For watersheds with a drainage area greater than 25 acres, either use Permanent Land Waterway or Rigidized Waterway.
- Where the diversion is to be included as an integral part of a permanent water management system.
- Where runoff from areas of higher elevation may damage property, cause erosion, or interfere with the establishment of vegetation on lower areas.
- Where surface and/or shallow subsurface flow is damaging sloping uplands.
- Where the slope length needs to be reduced to control excessive overland flow velocities and maintain soil loss.

Planning Considerations

Diversions are useful tools for managing surface water flows and preventing soil erosion. On moderately sloping areas, they may be placed in series to reduce the length of slope before it has a chance to concentrate and cause rill and gully erosion. They may be placed at the top of cut or fill slopes to keep runoff from upland drainage areas off the slope. They can also be used to protect structures, parking lots, adjacent properties, and other special areas from flooding. When properly constructed into the landscape design of a site, permanent diversions can be visually pleasing as well as functional (see Figure 7D-2).

The supporting edge of the permanent diversion may be constructed from and excavated from the channel of the soil. Excavated areas: the installation requirements for other construction. If an excavated area, the diversion shall be constructed in accordance with the installation requirements. The plan on improving soil which is advanced to meet the installation requirements.

Should permanent sections be opposed to stabilizing with stony or the top and outside of the ridge be planted for ridge stabilization. Then plan on ensuring the use of riprap and permanent seeding according to the Topsoiling and Permanent Seeding section. Maintenance requirements should be planned in accordance with the standard use.

Design Criteria

Design the permanent diversion according to generally accepted engineering standards (e.g., NRCS National Engineering Handbook, Part 2, the NCS Field Guide Technical Guide, Section 10, DOT Drainage Manual).

Location

Determine the permanent diversion location by considering outlet condition, topography, land use, soil type, length of slope, seepage patterns (i.e., seepage breakout locations where seepage is expected to be a problem), and the development layout.

Capacity

Design the minimum capacity to safely carry the peak flow expected from a 10-year frequency, 24-hour duration storm with a frequency of at least 0.5 feet (see Figure 7D-1).

Diversions designed to protect homes, schools, industrial buildings, roads, parking lots, and comparable high-risk areas, and those designed to function in conjunction with other storm water management systems, shall be designed at a minimum to safely carry the peak flow from a 25-year frequency, 24-hour duration storm with a frequency of at least 0.5 feet.

If a combination of existing drainage systems is designed to a standard greater than the 10-year frequency storm, then design the permanent diversion to that higher standard. If pre-development flooding problems exist or if the consequences of flooding are severe, then consider increasing the capacity beyond the 10-year frequency storm. If drainage systems which carry larger storm coverage with the diversion is spreading down the diversion to the same design storm as the contributing drainage system.

10-Energy Dissipators

Level Spreader (LS)

Definition
An outlet for diversions and other water conveyances consisting of an excavated depression with a broad stable point of discharge connected at zero grade across a slope.

Purpose

- To reduce the depth and velocity of concentrated runoff and release it uniformly as sheet flow onto a stable area.
- Where the spreader can be constructed on undisturbed soil.
- Where the area below the level spreader lay a slope of 5% or flatter and is stabilized by vegetation.

Applicability

- Where there is a need to carry storm water away from disturbed areas and to avoid existing erosion control measures.
- Where sediment runoff can be released in sheet flow over a stabilized slope without causing erosion.
- Where the spreader can be constructed on undisturbed soil.
- Where the area below the level spreader lay a slope of 5% or flatter and is stabilized by vegetation.

Planning Considerations

The Temporary Diversion structure and the Water Bar increase each calls for a stable outlet for concentrated storm water flows. The level spreader is a relatively low-cost structure to release small volumes of concentrated flow where site conditions are suitable.

Check the proposed location of the level spreader to ensure it can be constructed on level, stable, and undisturbed ground. Any depression in the under lip of the spreader could concentrate flow, and result in erosion. Check conditions downstream from the spreader to ensure the runoff water will not concentrate after release unless it occurs during interception by another measure (such as a retention pond or detention basin) located below the level spreader.

For higher design flow conditions, a rigid outlet box design is required to create the desired sheet flow conditions. Special care should be taken when designing level spreaders on terrain configurations located in the Connecticut River valley. These areas are very susceptible to erosion by the concentrated flow. Consider using alternative methods to discharge runoff through the rectangular area.

Design Criteria

Slopes shall be sufficiently smooth to prevent sheet flow and prevent flow from concentrating. Grates provided below are for flows from a 10-year frequency storm that is equal to or less than 20 cfs (0.2 cfs/20 cfs). For higher flows use other standard engineering practices that will result in a diffuse non-erosive discharge.

Discharge

Spreaders should be designed for a stable outlet for concentrated storm water flows. The level spreader is a relatively low-cost structure to release small volumes of concentrated flow where site conditions are suitable.

Check the proposed location of the level spreader to ensure it can be constructed on level, stable, and undisturbed ground. Any depression in the under lip of the spreader could concentrate flow, and result in erosion. Check conditions downstream from the spreader to ensure the runoff water will not concentrate after release unless it occurs during interception by another measure (such as a retention pond or detention basin) located below the level spreader.

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Figure 7D-1: Representative Dimensions for Level Spreader

Flow (cfs)	Depth (ft)	Width of Lower Section (ft)	Length of Spreader (ft)
0 - 10	0.5	6	10
10 - 20	0.6	6	20

Grates provided below are for flows from a 10-year frequency storm that is equal to or less than 20 cfs (0.2 cfs/20 cfs). For higher flows use other standard engineering practices that will result in a diffuse non-erosive discharge.

PERMANENT DIVERSIONS

Scale: NTS

8-Subsurface Drain

Subsurface Drain (SD)

Definition
An underground water conveyance system consisting of a perforated conduit, such as pipe, tubing, tile or a stone filled trench installed beneath the ground to intercept and convey ground water (see Figure SD-1).

Purpose

- To prevent sloping soils from becoming excessively wet causing sloughing.
- To improve the bearing capacity of soil.
- To reduce frost heaving of fine grained soils.
- To prevent hydrostatic pressure from developing behind retaining walls, foundations or floor slabs and to reduce cracking and heaving of pavements.
- To reduce animal pressure.
- To lower water tables in vegetated waterways and diversions in order to maintain stable vegetation conditions.
- To drain storm water detention areas or structures.

Applicability

- Used to lower a high water table where benefits of lowering or controlling groundwater or surface runoff are desired.
- Where soil permeability is sufficient to permit installation of an effective and economically feasible system.
- Not intended for use within septic system setbacks, in areas of ground water pollution, or to drain inland wetlands or salt wetlands without prior authorization.

Planning Considerations

Subsurface drains are generally installed within a slope to lower the water table (see Figure SD-2).

Subsurface drainage systems are either relief drains or interceptive drains (sometimes called vent drains) or a combination of both. Relief drains are used either to lower the water table in order to keep structures (e.g., basements) dry or to improve the growth of vegetation. They are generally installed along a slope, bearing in the direction of the slope and are provided with a stable outlet. They can be installed in a parallel pattern, a herringbone pattern, or a random pattern (see Figure SD-3).

Interceptors are used to remove water as it seeps down a slope to prevent the soil from becoming saturated and subject to slippage. They are installed across a slope and are provided with a stable outlet.

A lowering of the groundwater table through the installation of a subsurface drain may have legal implications in that it may decrease adjacent wetlands as well as affect the property rights of adjacent owners. Damage may also occur at or near the point of discharge. Also, consolidation of soils and settlement of the soils and the structures they support can occur in some cases. The design, placement and installation shall comply with applicable federal, state and local laws and regulations. The landowner or developer is responsible for

obtaining required permits. Drains shall comply with septic system setback and setbacks established for known ground water pollution.

Design Criteria

The design and installation of subsurface drains shall be based on detailed surveys and investigations. Where failure could cause damage to structures such as buildings, buildings or utilities a more detailed engineering design may be required than that provided below.

Capacity

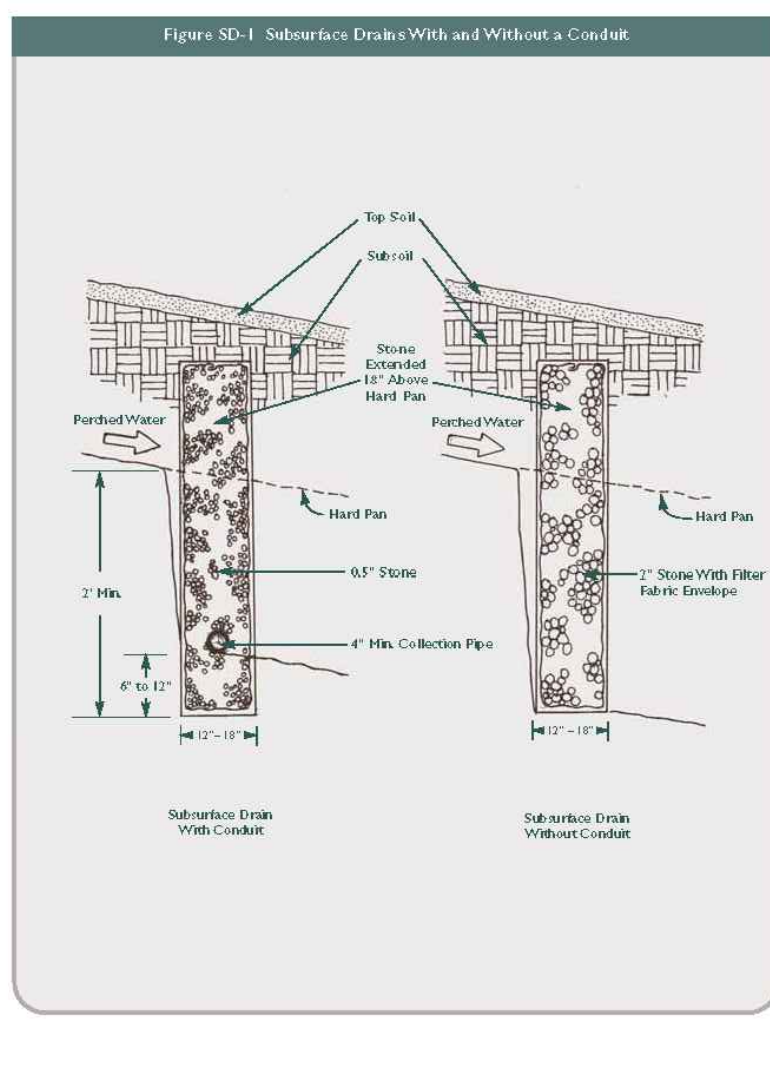
The required capacity for interceptive drains shall be determined by Figure SD-4.

Size of Drain

If a pipe is used in the drain installation, the minimum size shall be 6" diameter. If a stone filled trench is used without a conduit, the minimum size of the trench in the stone of the drain shall be equivalent to a 4" diameter conduit. The designer should check with the reviewing and approving authorities for differing minimum and maximum sizes of trenches. Alternative materials may be used to size the drain when the hydraulic grade line is parallel to the bottom grade of the drain (see Equation SD-1).

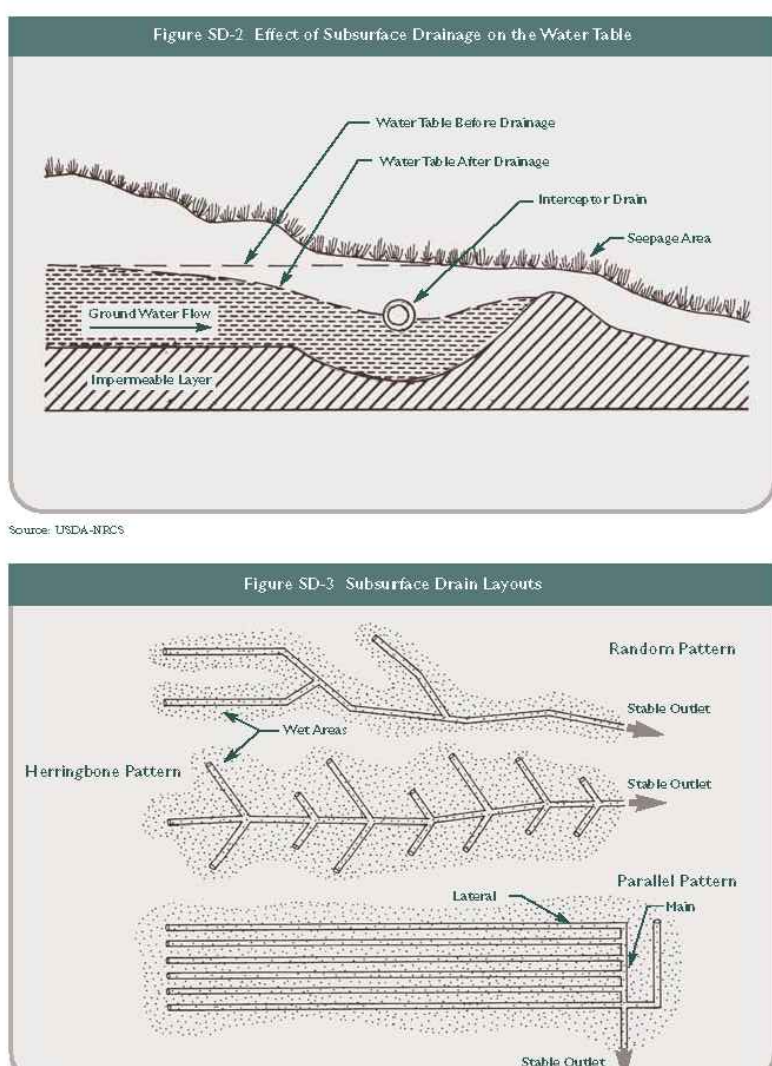
LEVEL SPREADERS

Scale: NTS



2002 Connecticut Guidelines for Soil Erosion and Sediment Control

6.8.3



2002 Connecticut Guidelines for Soil Erosion and Sediment Control

6.8.3

SUBSURFACE DRAIN

Scale: NTS

6.8.3

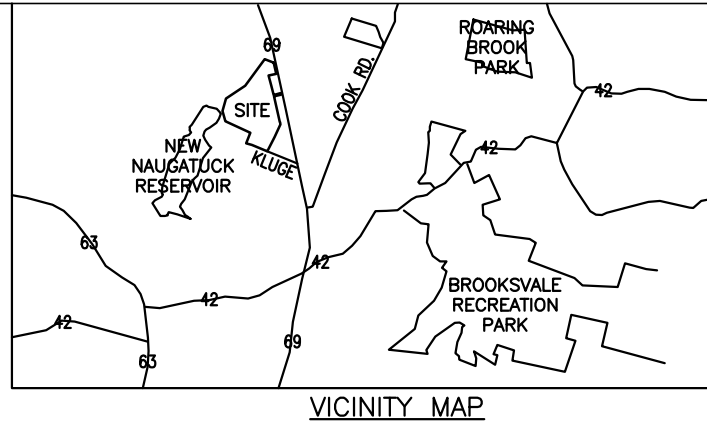
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6.8.3

2002 Connecticut Guidelines for Soil Erosion and Sediment Control

6.8.3



BNE Energy Inc.
Producer of green clean energy



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4	INCORPORATED REQUESTED REVISIONS	03-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	03-08-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	DATE:
DRAWN BY:	03/11	03/11
REVIEW:	TLK	TLK
CONVERTED BY:	BNE ENERGY	
SUBMITTED BY:	PARCEL NO.:	FILE NUMBER:
ZAPATA, INC.	73A WPT-12, BLOCK 66, LOT 178	03-28-11
	PLOT SCALE:	AS SHOWN
	SIZE:	ANSI D

ZAPATA
6502 LAWRENCE ROAD, SUITE 300-8040
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WIND PROSPECT CONNECTICUT
EROSION CONTROL DETAILS

SHEET IDENTIFICATION
C-502

NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY

11- Sediment Impoundments, Barriers and Filters

Hay Bale Barrier (HBB)

Definition
A temporary sediment barrier consisting of a row of extended and anchored bales of hay or straw.

Purpose

- To intercept and detain small amounts of sediment from small disturbed areas.
- To reduce the velocity of sheet flows.
- To collect small volumes of water away from erodible soils.
- To settle and store in filtering waters discharged from pumping operations (see Pumping Settling Basin section, Type 1 and Type II).

Applicability

- Below small disturbed areas where the drainage area (disturbed and undisturbed) is less than 1 acre in size.
- Below disturbed slopes to direct surface water away from erodible areas where the drainage area (disturbed and undisturbed) is less than 1 acre in size.
- Where protection and effectiveness is required for less than 3 months.
- Where installation will reduce the capacity of storm drainage systems or adversely affect adjacent areas, watercourses and other sensitive areas.
- Not for use in drainageways, except in special cases where it is applied with other measures (see Geotextile Silt Fence and Stone Check Dam Special Cases).
- Not intended for use as a means.

Planning Considerations
See Planning Considerations for Sediment Impoundments, Barriers and Filters Function Group.

Specifications

Materials
Hay bales shall be made of hay or straw with 40 pounds minimum weight and 220 pounds maximum weight held together by roots or wire.

Placement on the Landscape
Contributing drainage area to be greater than 1 acre. Maximum slope length is as shown in Figure 11-B-1.

Toe of Slope
Locate 5 to 10 feet down gradient from the toe of slope (see Figure 11-B-2), generally on the contour. When the contour can not be followed, stagger the bales installation and install perpendicular swales spaced as shown in Figure 11-B-1 to bank for velocity of water flowing behind the bales. The barrier should be located with sufficient distance from the toe of the slope to allow access by equipment for removal of accumulated sediments.

Swales
Not recommended. See Geotextile Silt Fence or Stone Check Dam measures.

Catch Basins in Swales on Slopes
Not recommended. See Geotextile Silt Fence or Stone Check Dam measures.

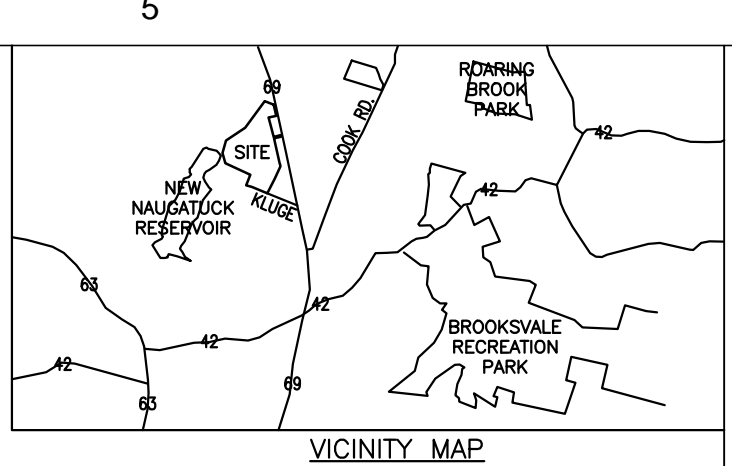
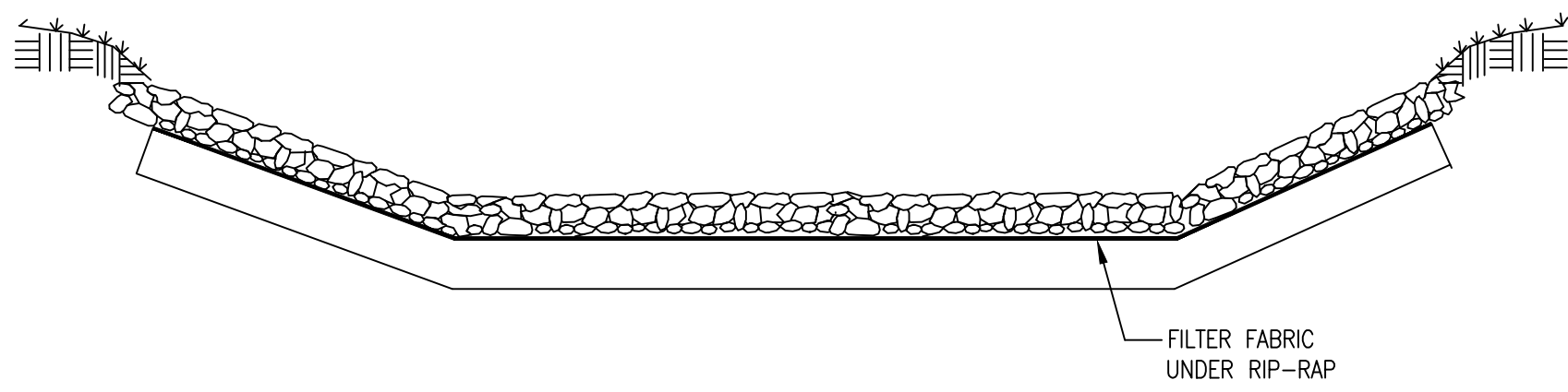
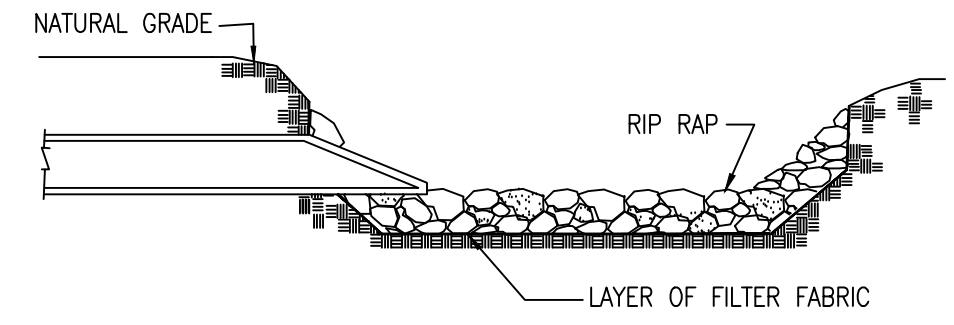
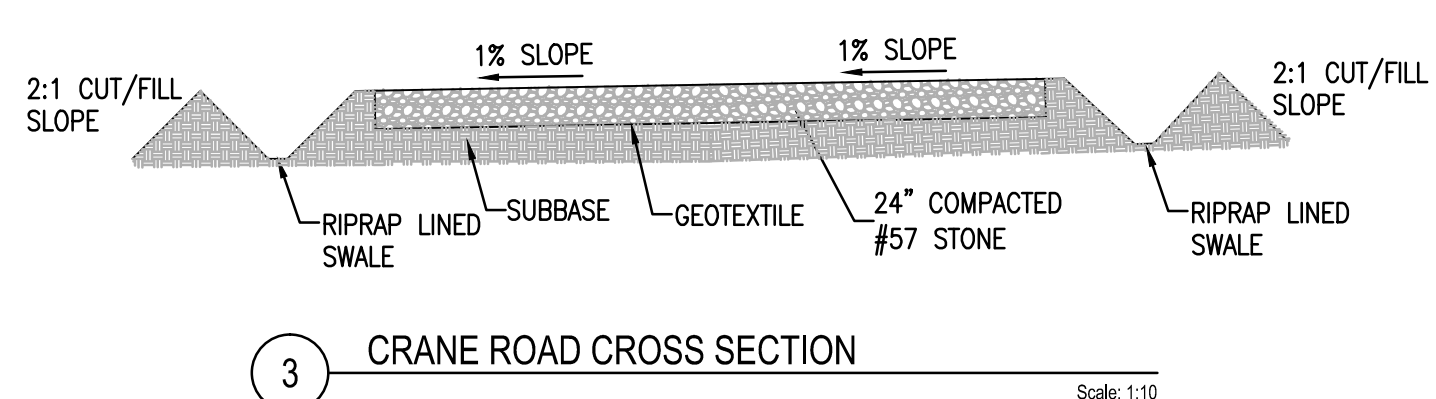
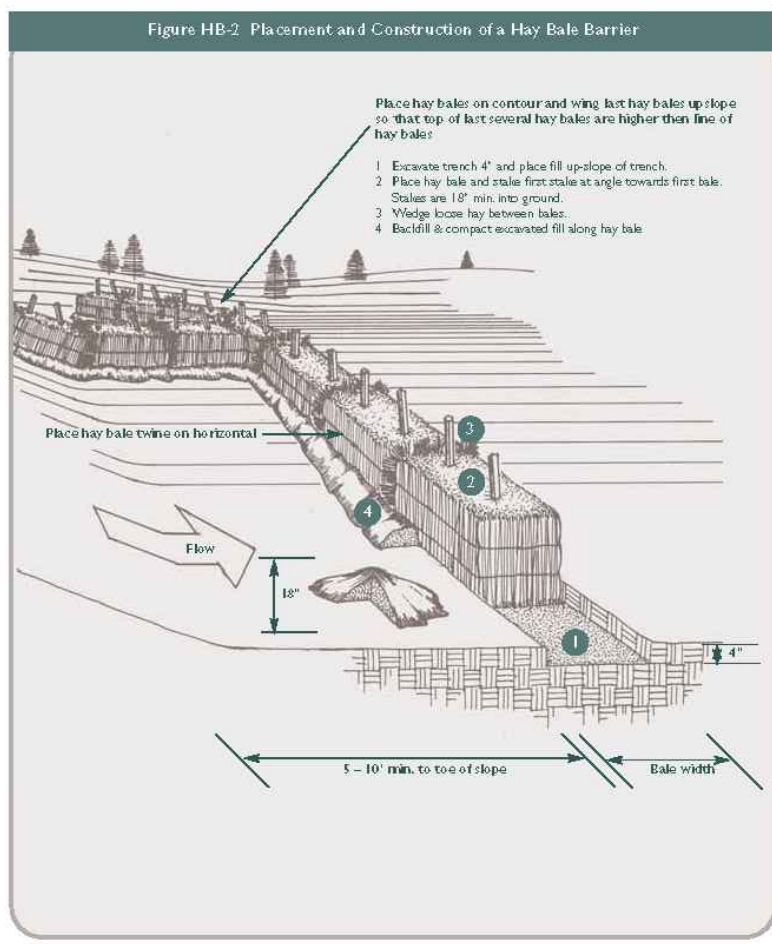
Catch Basins in Depressions or Low Spots (Yard Drains)
Excavate catchbasin (see Figure 11-B-3).

Culvert Inlets
Not recommended. See Geotextile Silt Fence measure.

Culvert Outlets
Not recommended. The Temporary Sediment Strip and/or Stone Check Dam measures.

Pumping Settling Basins
See Pumping Settling Basin measure.

Installation (see Figure 11-B-2)
Trench excavations (excavate a trench as wide as the bales and at least 4 inches deep). Each end of the trench should be winged up-slope so that the bottom of the last bale is higher than the top of the lowest hay bale in the barrier.



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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TJK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TJK

DESIGNED BY:	DATE:
CONVENOR: BNE ENERGY	03-28-11
DRAWN BY: RSW	
CHECKED BY: TJK	
SUBMITTED BY: ZAPATA, INC.	
PARCEL NO.: TAX MAP #12, BLOCK #8, LOT 178	
FILE NUMBER: AS SHOWN	
FILE NAME: 1385	

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WIND PROSPECT
CONNECTICUT
EROSION CONTROL DETAILS

SHEET IDENTIFICATION
C-504

1 HAYBALE BARRIER

11- Sediment Impoundments, Barriers and Filters

Geotextile Silt Fence (GSF)

Definition
A temporary sediment barrier consisting of a geotextile fabric panel tied and attached to supporting posts and anchored.

Purpose

- To intercept and detain sediment from disturbed areas.
- To decrease the velocity of sheet flows and low volume concentrated flows.

Applicability

- Below small disturbed areas where the contributing drainage area (disturbed and undisturbed) is less than 1 acre in size.
- Below areas where drainage rates and catch basins where sedimentation will reduce the capacity of storm drainage systems or adversely affect adjacent areas, watercourses and other sensitive areas.
- Not for use in areas where rock, frozen ground or other hard surface prevents proper installation of the barrier (see Special Case Combinations in Stone Check Dam measure).
- Prohibited from use in drainageways where flow is supported by ground water discharge.

Planning Considerations
See Planning Considerations for Sediment Impoundments, Barriers and Filters Function Group. When used as a sediment outlet, plan to install the geotextile silt fence before the start of construction and complete the installation of required outlet protection before the outlet is made functional. It is preferable to install sediment at the outlet rather than at the outlet. Use at outlets should be limited to situations where site controls are not possible or so as to act as a backup inlet control.

Specifications

Materials
Geotextile fabric shall be a permeable sheet of polypropylene, nylon, polyester, cellulose or similar fabric and shall be certified by the manufacturer or supplier as conforming to the requirements shown in Figure 11-C-1. The geotextile shall be non-rotting, acid and alkali resistant and have sufficient strength and tear resistance for the proposed installation, including handling and backfilling operations. Filaments in the geotextile shall be resistant to abrasion. The filament network must be dimensionally stable and resistant to delamination. The geotextile shall be free of any chemical treatment or coating that will reduce its permeability. The geotextile shall also be free of any dyes or labels which will alter its physical properties. Ties or punctured geotextile shall not be used.

Supporting posts
Supporting posts shall be at least 42 inches long made of either 2x4 inch square hardwood stakes or steel posts with projections for fastening the geotextile possessing a minimum strength of 0.5 percent per linear foot.

Placement on the Landscape
Contributing drainage area 1 acre or less. Maximum slope length is as shown in Figure 11-C-2.

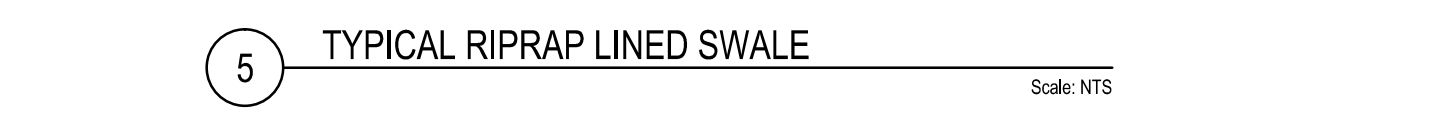
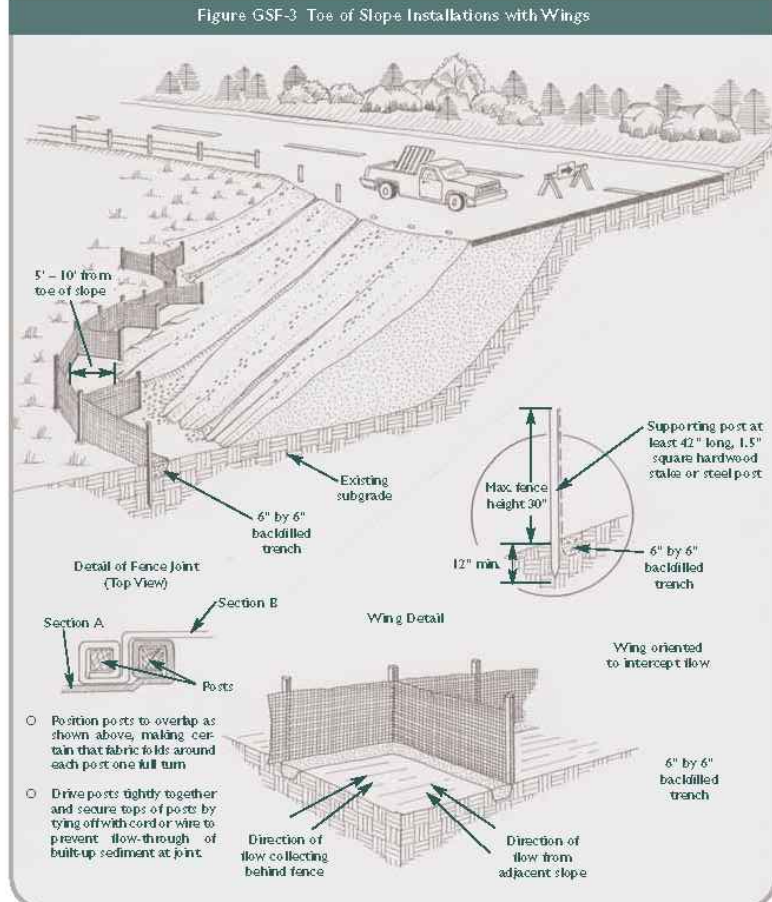
Toe of Slope (see Figure 11-C-3)
Locate 10 feet down gradient from the toe of slope, generally on the contour with maintenance and sediment removal requirements as noted. When the contour can not be followed, install the fence such that perpendicular swales are created to bank the velocity of water flowing along the fence. See Figure 11-C-2 for spacing requirements.

Swales (see Figure 11-C-4)
Locate 10" U" shape across swale such that the bottom of both ends of the fence are higher than the top of the lowest section of the fence.

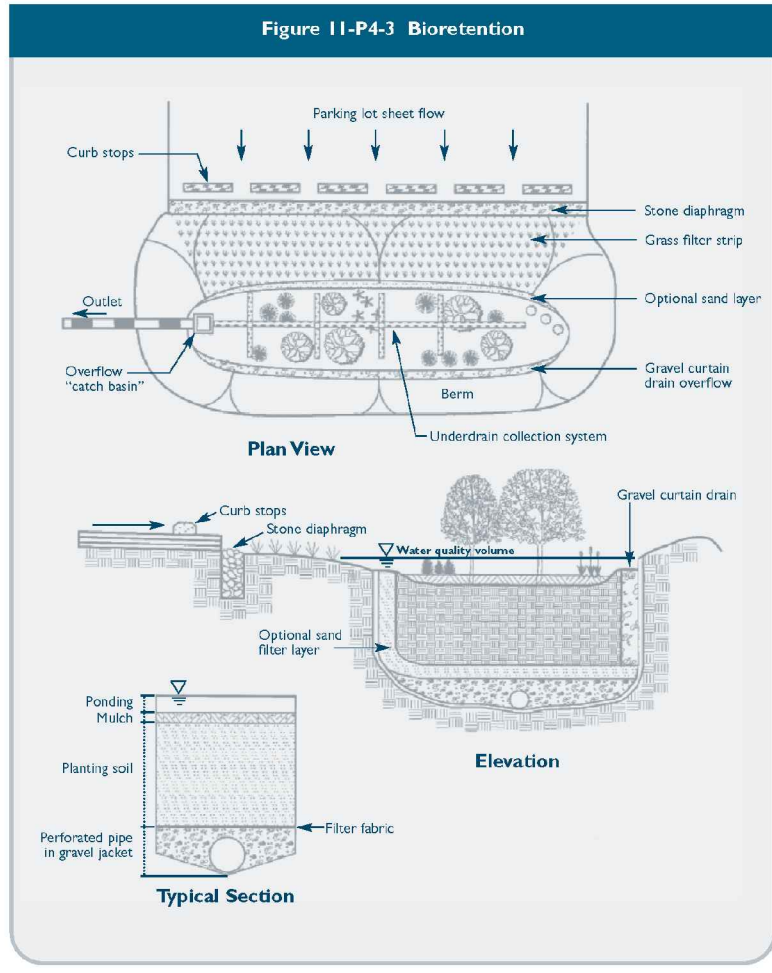
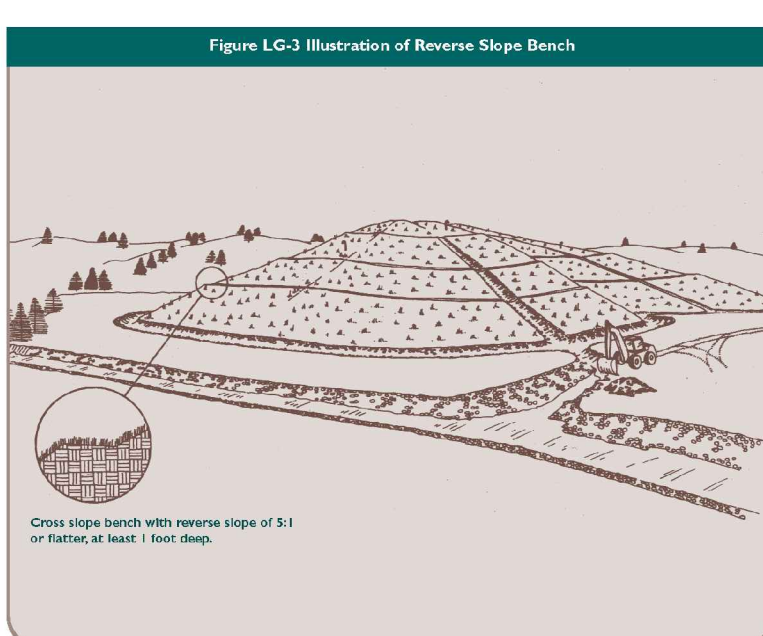
Catch Basins in Swales on Slopes
Locate 2" U" shapes across swale as above one immediately up slope from the catch basin and the other immediately down slope from the catch basin.

Catch Basins in Depressions
Excavate catch basin.

Culvert Inlets
Locate in a "U" shape approximately 6 feet from the culvert in the direction of the incoming flow.



2 GEOTEXTILE SILT FENCE

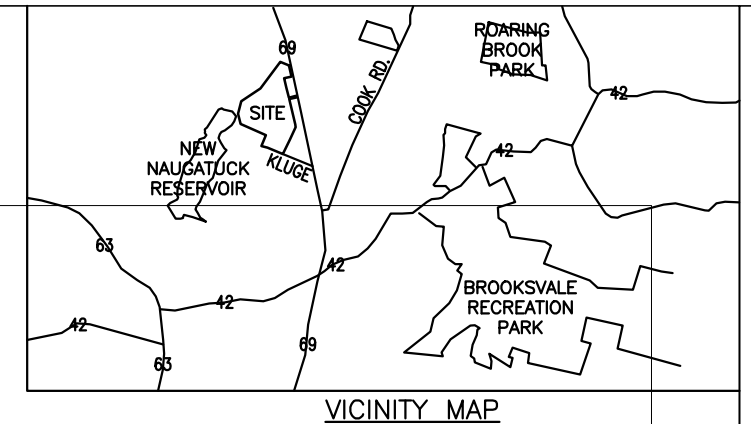


6 REVERSE SLOPE BENCH

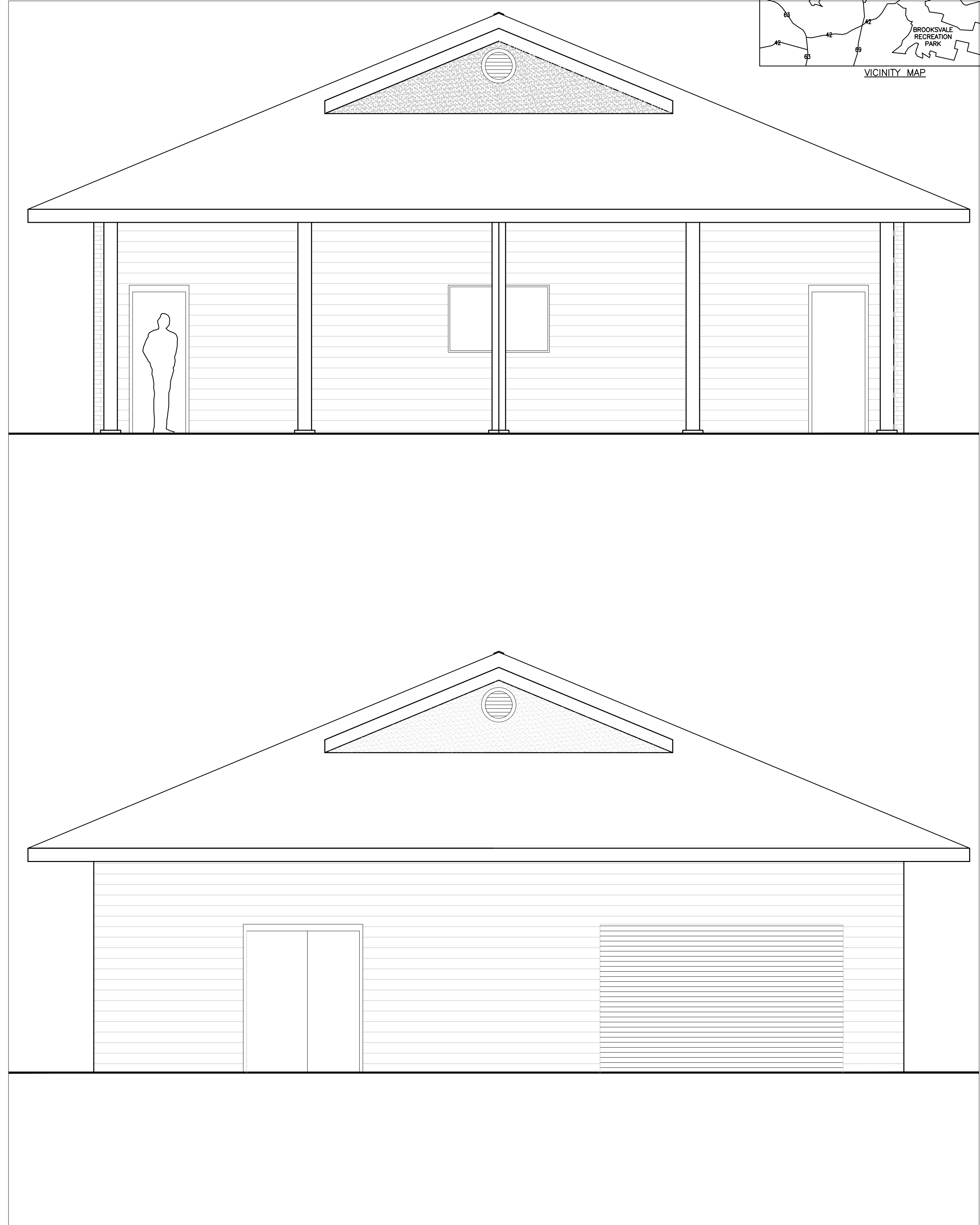
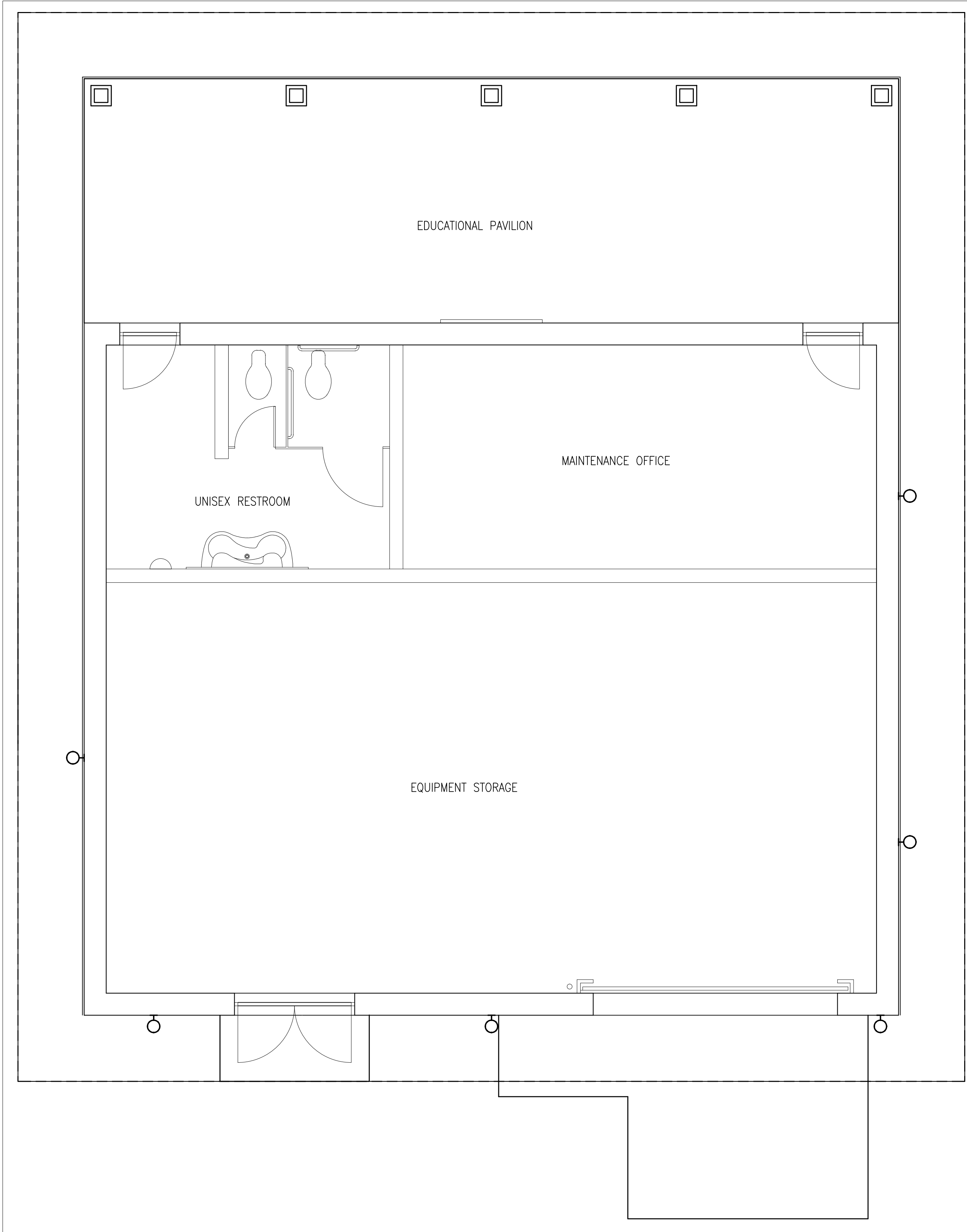
7 BIORETENTION POND

SHEET IDENTIFICATION
C-504

CONCEPTUAL ONLY - FINAL LAYOUT AND ORIENTATION TO BE DETERMINED



D
C
B
A



MARK	DESCRIPTION	DATE	APPR.
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2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

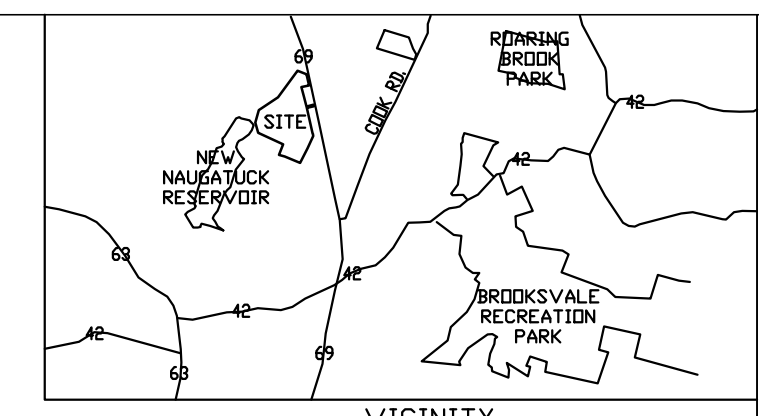
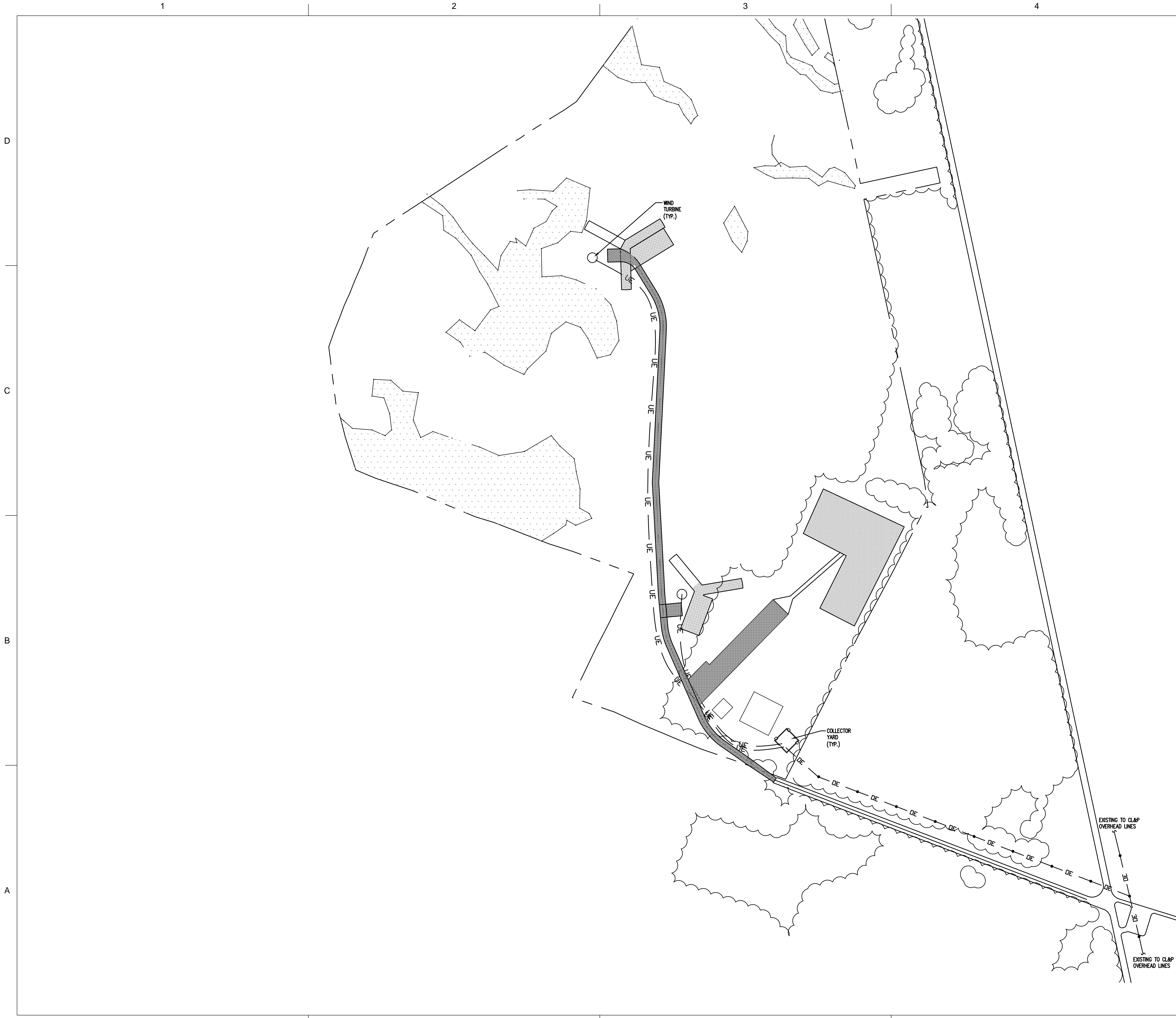
DESIGNED BY:	DATE:
BSW	03-28-11
TLK	03-28-11
BY:	DESIGNED BY:
TLK	BSW
BY:	DATE:
ZAPATA INC.	03-28-11
PARCEL NO.:	FILE NUMBER:
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PLOT SCALE:	FILE NAME:
AS SHOWN	W:\Projects\BNE Energy\10000000\1000-012 Project\0401.dwg
SIZE:	ANSI D



WIND PROSPECT
CONNECTICUT
FACILITY SUPPORT BUILDING

SHEET
IDENTIFICATION
A-001

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AME
CONSULTING ENGINEERS
421 PENMAN STREET, SUITE 200
CHARLOTTE, NC 28203
704-295-4263
AME PROJECT NO.: 09044



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DESIGNED BY: RES	DATE: 02-28-11	SOLICITATION NO.:
DWN BY: BEE	CKD BY: DAJ	CONTRACT NO.:
SUBMITTED BY: ZAPATA INC.	SCALE:	FILE NUMBER:
PROJECT NO.:	PROJECT DATE:	FILE NAME:
ASST. PROJECT MANAGER:	PROJECT NO.:	ANSI D

WIND PROSPECT
CONNECTICUT
ELECTRICAL - SITE PLAN

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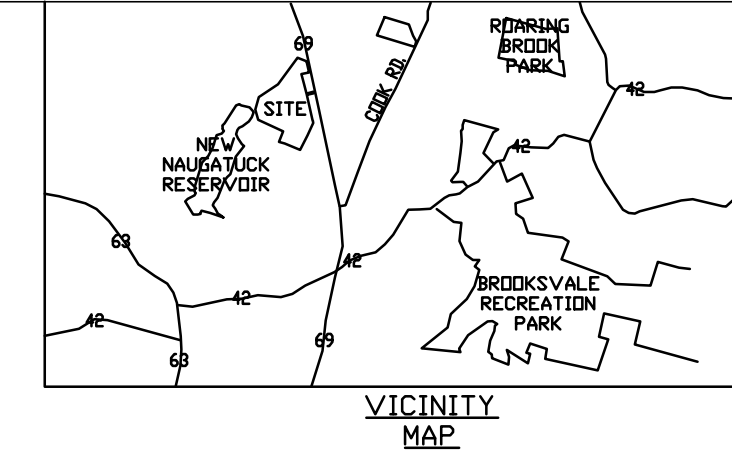
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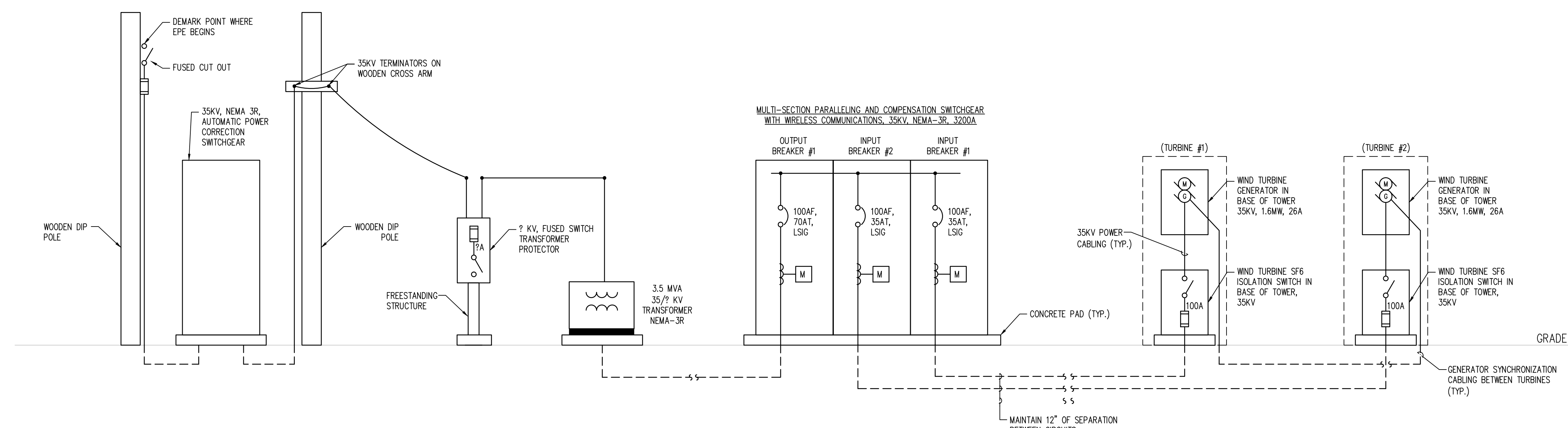
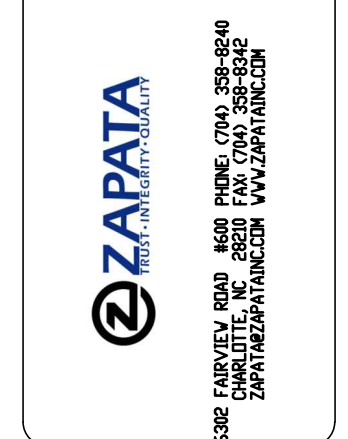


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 Producer of green clean energy



MARK	DESCRIPTION	DATE	APPR.
4	INCORPORATED REQUESTED REVISIONS	02-28-11	MLC
3	INCORPORATED REQUESTED REVISIONS	02-08-11	MLC
2	INCORPORATED REQUESTED REVISIONS	01-31-11	TLK
1	CONNECTICUT SITING COUNCIL SUBMISSION	11-04-10	TLK

DESIGNED BY:	DATE:	SOLICITATION NO.:
RES	02-28-11	
DWN BY:	CHK BY:	CONTRACT NO.:
BEE	DAJ	
SUBMITTED BY:	FILED BY:	FILE NUMBER:
ZAPATA INC.	DAJ	
SCALE:	PLAT DATE:	PLAT NUMBER:
AS SHOWN	02-28-11	
SIZE:	FILE NAME:	
ANSI D		



WIND PROSPECT
 CONNECTICUT
 ELECTRICAL - RISER DIAGRAM

SHEET
 IDENTIFICATION
E-501

NOT FOR CONSTRUCTION - CONNECTICUT SITING COUNCIL USE ONLY