

**VICINITY MAP**  
SCALE: 1" = 320,000±

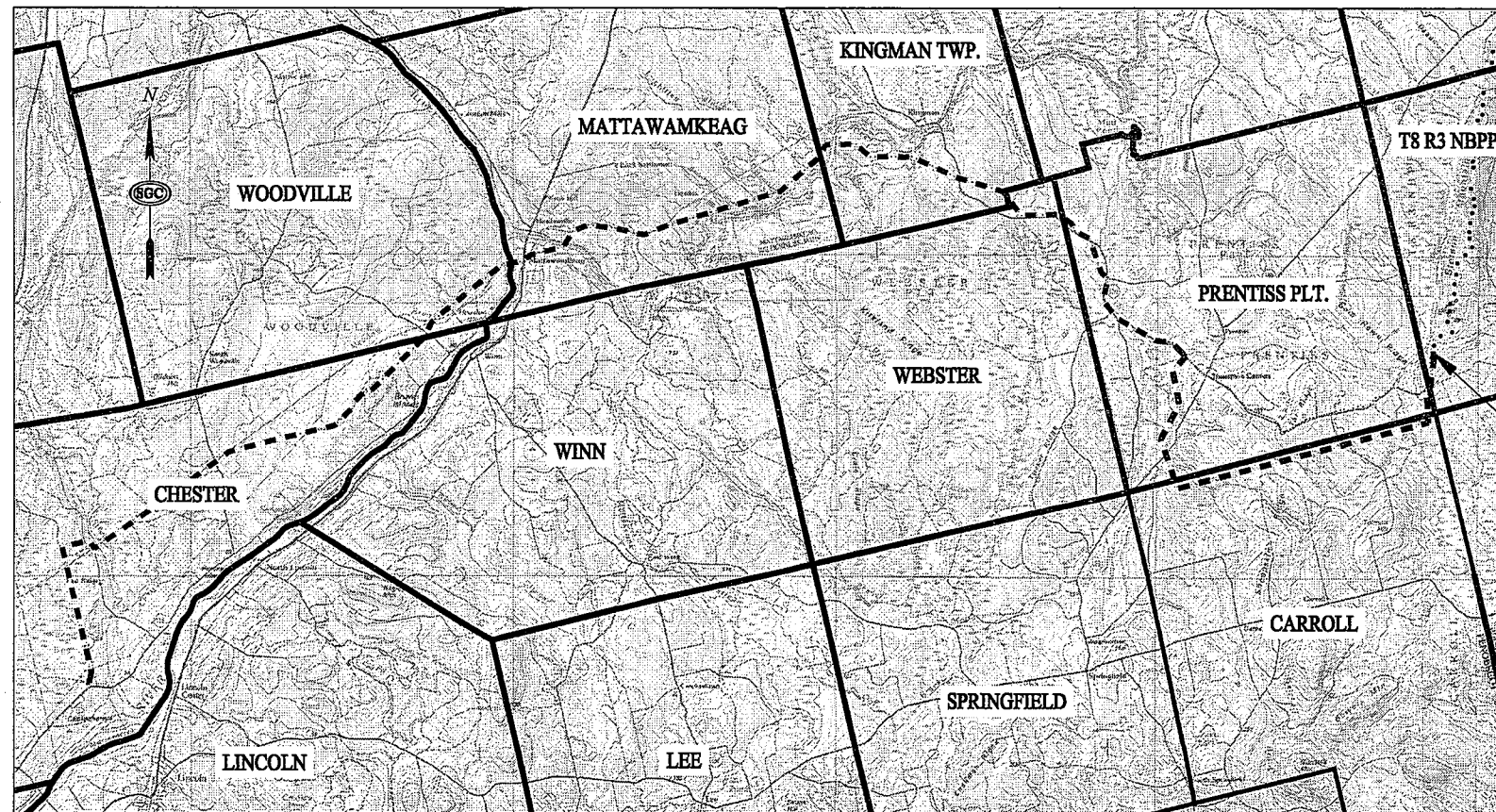
# 34.5/115 kV SUBSTATION

## STETSON WIND PROJECT

LOCATED IN:  
T8 R3 NBPP, WASHINGTON COUNTY, MAINE

**SHEET INDEX**

T1	COVER SHEET
C1	EXISTING CONDITIONS PLAN
C2	UTILITIES AND LAYOUT PLAN
C3	GRADING AND DRAINAGE PLAN
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C9	CONTROL BUILDING EQUIPMENT LAYOUT PLAN
C10	CONTROL BUILDING EQUIPMENT ELEVATIONS
C11	DETAILS AND NOTES
C12	DETAILS

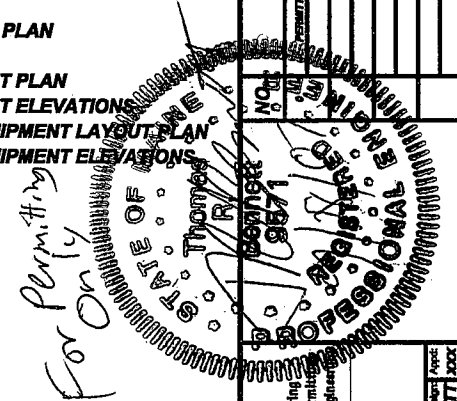


**LOCATION PLAN**  
SCALE: 1" = 8,500±

PROJECT LOCATION  
STETSON MOUNTAIN  
34/115 kV SUBSTATION

**LEGEND:**



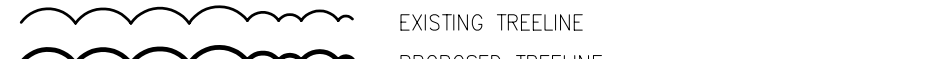



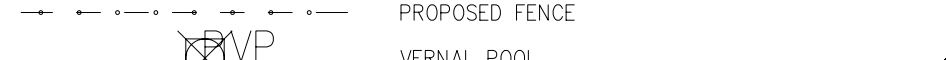
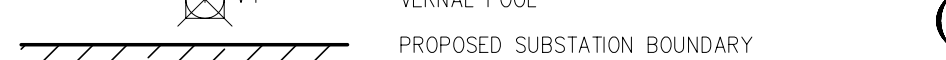


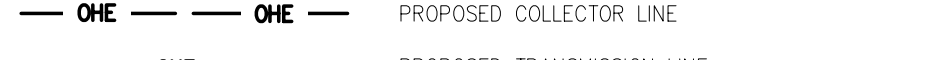

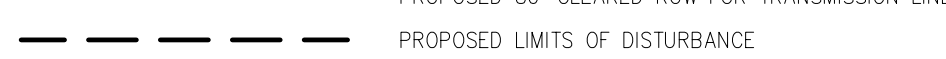



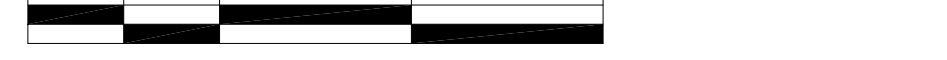
—	TOWN LINES
•	PROPOSED WIND TURBINE LOCATIONS
- - -	PROPOSED TRANSMISSION LINE

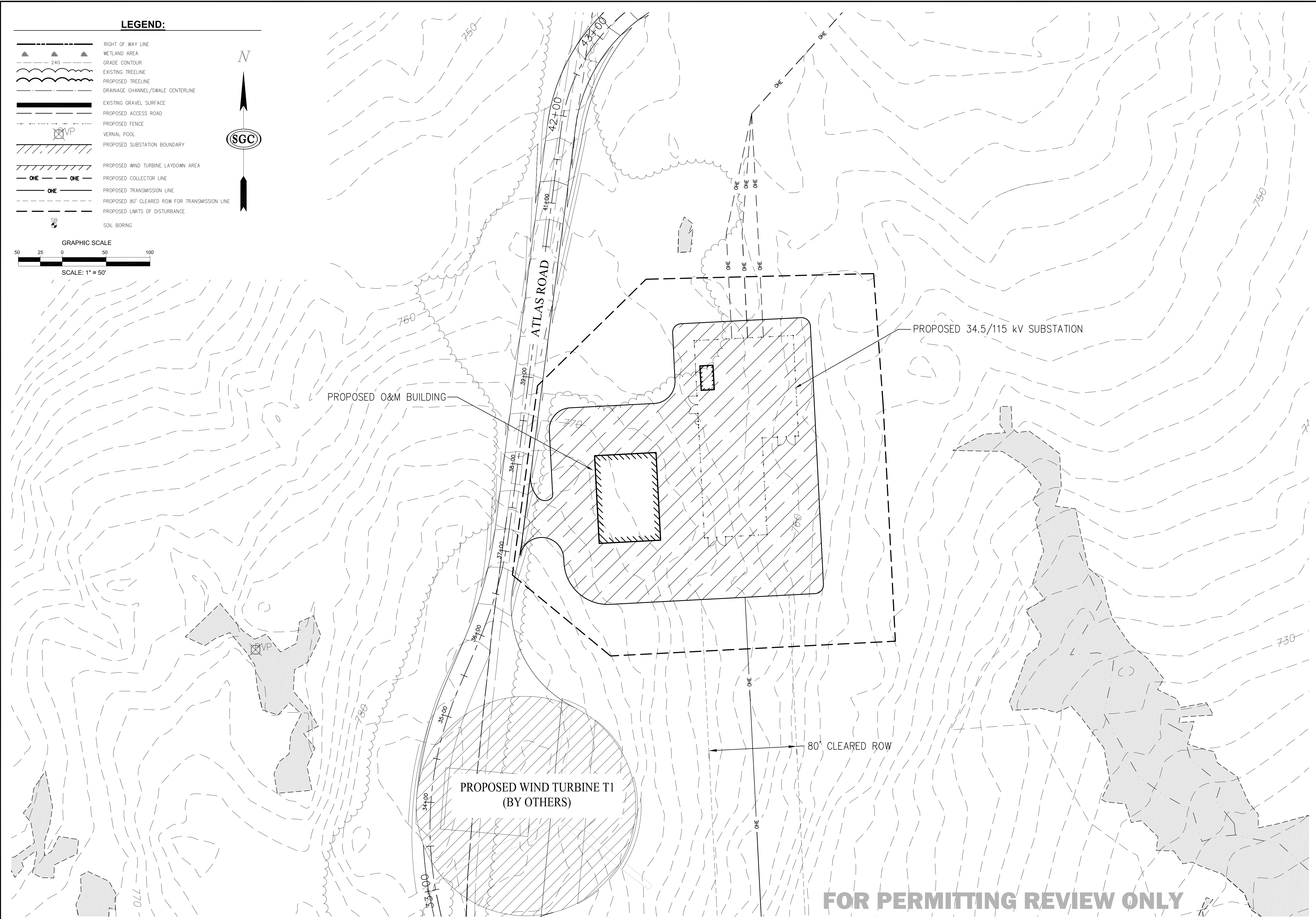
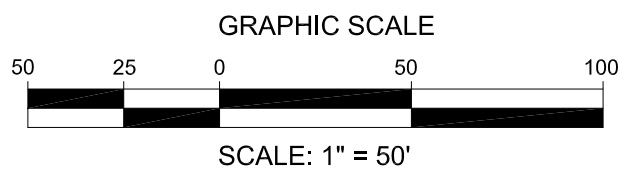


<b>REVISIONS:</b> NO. DATE BY 1 09/21/07 TRL 2 09/21/07 TRL		APPD. DATE: 09/21/07
<b>COVER SHEET</b> 34.5/115KV SUBSTATION STETSON WIND PROJECT T8R3 & T8R4 NBPP, MAINE EVERGREEN WIND POWER V, LLC 100 Wells Ave., Suits 201, Newton, MA 02459		SGC ENGINEERING, LLC 572001 100 Wells Ave., Suits 201, Newton, MA 02459 TEL: 617.552.1100 FAX: 617.552.1101 WWW.SGCENR.COM
DRAWING <b>T1</b>	SHEET <b>1 OF 13</b>	DATE: SEPT. 21, 2007 PROJECT: STETSON WIND PROJECT DRAWN: TRL CHECK: TRL DATE: 09/21/07
<b>DRAWING NUMBER</b> <b>572001</b>		<b>DATE:</b> SEPT. 21, 2007

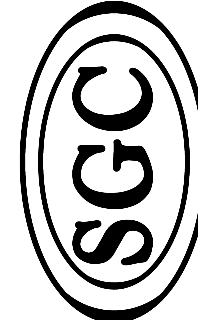
**FOR PERMITTING REVIEW ONLY**

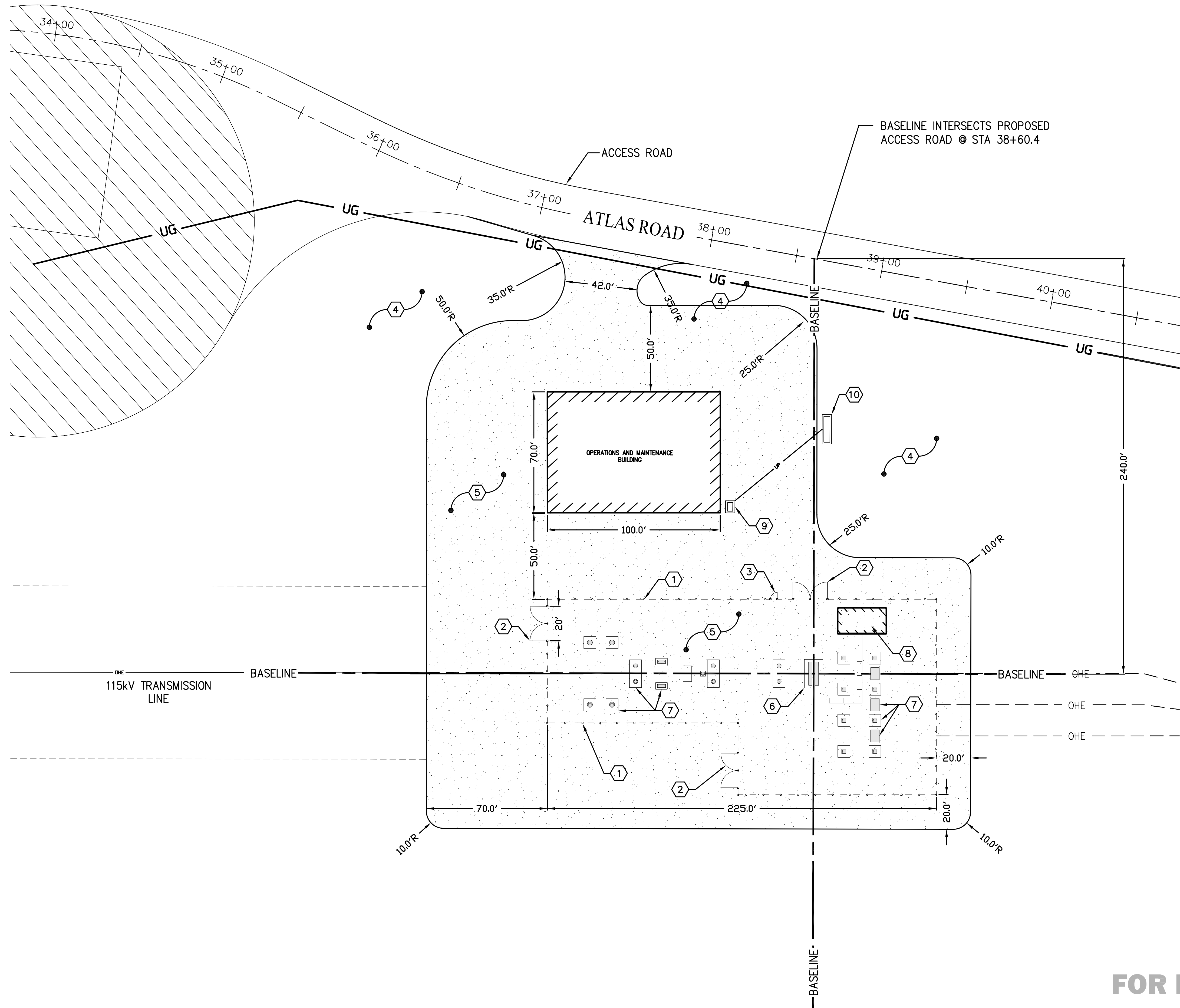
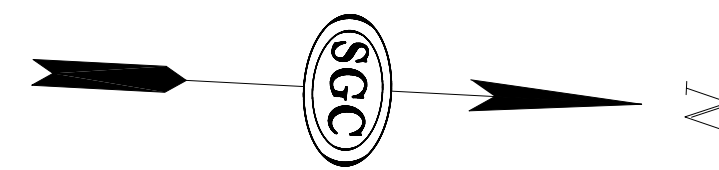
**LEGEND:**

-  RIGHT OF WAY LINE
-  WETLAND AREA
-  GRADE CONTOUR
-  EXISTING TREELINE
-  PROPOSED TREELINE
-  DRAINAGE CHANNEL/SWALE CENTERLINE
-  EXISTING GRAVEL SURFACE
-  PROPOSED ACCESS ROAD
-  PROPOSED FENCE
-  VERNAL POOL
-  PROPOSED SUBSTATION BOUNDARY
-  PROPOSED WIND TURBINE LAYDOWN AREA
-  PROPOSED COLLECTOR LINE
-  PROPOSED TRANSMISSION LINE
-  PROPOSED 80' CLEARED ROW FOR TRANSMISSION LINE
-  PROPOSED LIMITS OF DISTURBANCE
-  SOIL BORING



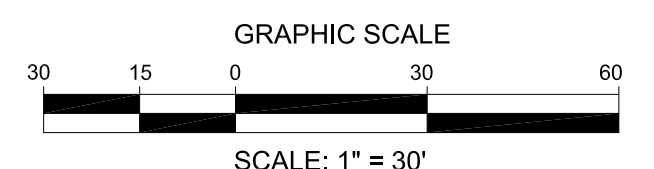
**FOR PERMITTING REVIEW ONLY**

<b>NO.</b>	<b>REVISIONS:</b>	<b>APPD:</b>	<b>DATE:</b>
0	PERMITTING REVIEW	TRB	09/24/07
			
SERVING OUR CLIENTS IN THE U.S.A. & CANADA 80 Court Road Westport, Maine 04491 Fax: 207-648-0101			
80 South Street, Suite 200 South Portland, Maine 04063 Fax: 207-648-0201			
SGC Project: <b>572001</b>		Date: <b>NOV. 6, 2007</b>	
Title: <b>EXISTING CONDITIONS PLAN</b>		Drawn/Design: <b>PTT</b>	
Project: <b>34.5/115KV SUB-STATION STETSON WIND PROJECT T8R3 &amp; T8R4 NBPP, MAINE</b>		Appr: <b>PTT</b>	
Client: <b>EVERGREEN WIND POWER V, LLC</b> 100 Wells Ave., Suite 201, Newton, MA 02459		File: <b>572001_PPC_100 wells ave plans.dwg</b>	
<b>DRAWING</b>		<b>SHEET</b>	
<b>C1</b>		<b>2 OF 13</b>	
<b>DRAWING NUMBER</b>			
<b>102-300</b>			



- KEY NOTES**
- 1 8" HIGH CHAIN LINK FENCE. (SEE SHEET 102-305)
  - 2 20' WIDE CHAIN LINK FENCE GATE WITH REMOVABLE CENTER POST. (SEE SHEET 102-305)
  - 3 4' WIDE CHAIN LINK PERSONNEL GATE. (SEE SHEET 102-305)
  - 4 6" LOAM AND SEED. (SEE SHEET 102-305)
  - 5 CRUSHED GRAVEL SURFACE. (SEE SHEET 102-305)
  - 6 TRANSFORMER FOUNDATION AND CONTAINMENT SLAB (SEE SHEET 102-304)
  - 7 EQUIPMENT FOUNDATIONS, (TYP.) (SEE SHEET 102-304)
  - 8 CONTROL BUILDING (SEE SHEET 102-308)
  - 9 50KVA BACKUP GENERATOR
  - 10 1,000 GALLON PROPANE TANK

- LEGEND:**
- CHAIN-LINK FENCE
  - BASELINE
  - DRAIN LINE
  - YARD AND GRAVEL DRIVE
  - UNDERGROUND PROPANE LINE
  - CONCRETE CONDUIT TRENCH
  - PROPOSED COLLECTOR LINE
  - PROPOSED TRANSMISSION LINE



NO.	REVISIONS:	APPD:	DATE:
0	PERMITTING REVIEW	TRB	09/24/07

NO.	REVISIONS:	APPD:	DATE:

**SGC ENGINEERING, LLC**  
 • Civil Design & Survey Engineering  
 • Environmental & Regulatory Permitting  
 • Electrical Power Systems Engineering

801 South Main Street, Suite 200  
 South Portland, Maine 04086  
 Phone: 207.884.1100  
 Fax: 207.884.1110  
 Email: info@sgceng.com

SGC Project: 572001  
 Date: NOV. 6, 2007  
 Drawn: PTT  
 Design: PTT  
 Appr: TRB

**UTILITIES AND LAYOUT PLAN**

Project: **34.5/115KV SUB-STATION STETSON WIND PROJECT**  
 T8R3 & T8R4 NBPP, MAINE

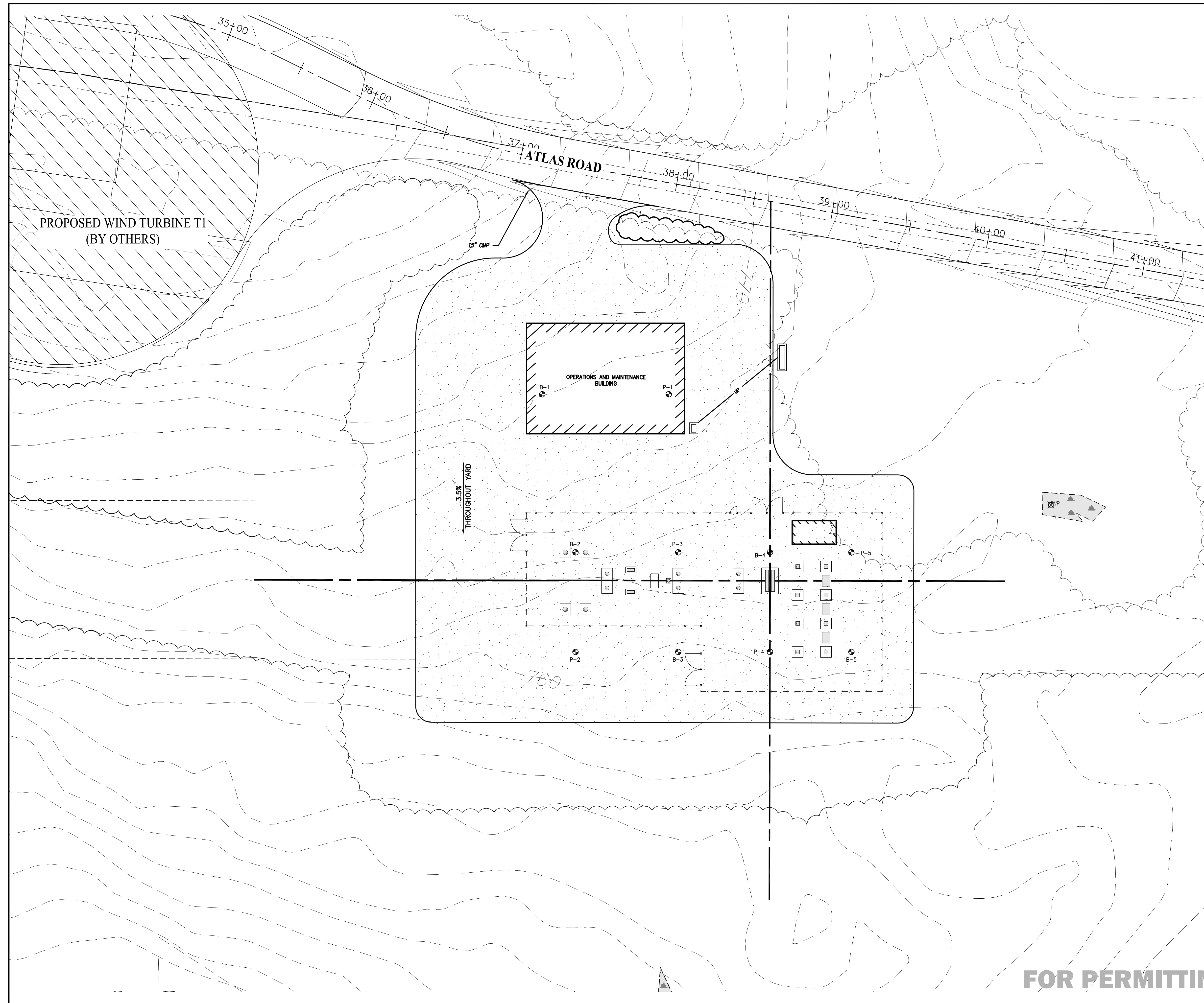
Client: **EVERGREEN WIND POWER V, LLC**  
 100 Wells Ave., Suite 201, Newton, MA 02459

DRAWING	SHEET
C2	3 OF 13
DRAWING NUMBER	
102-301	

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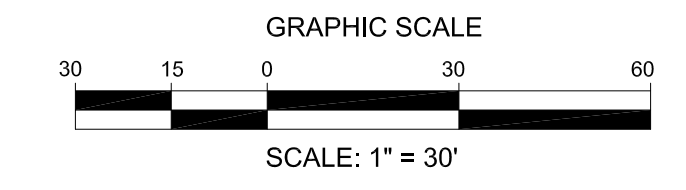
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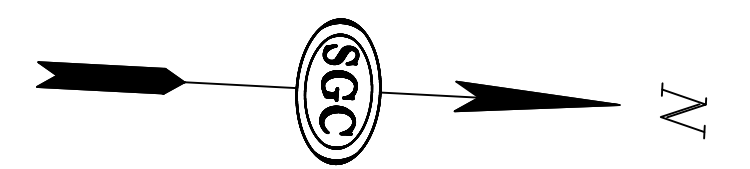
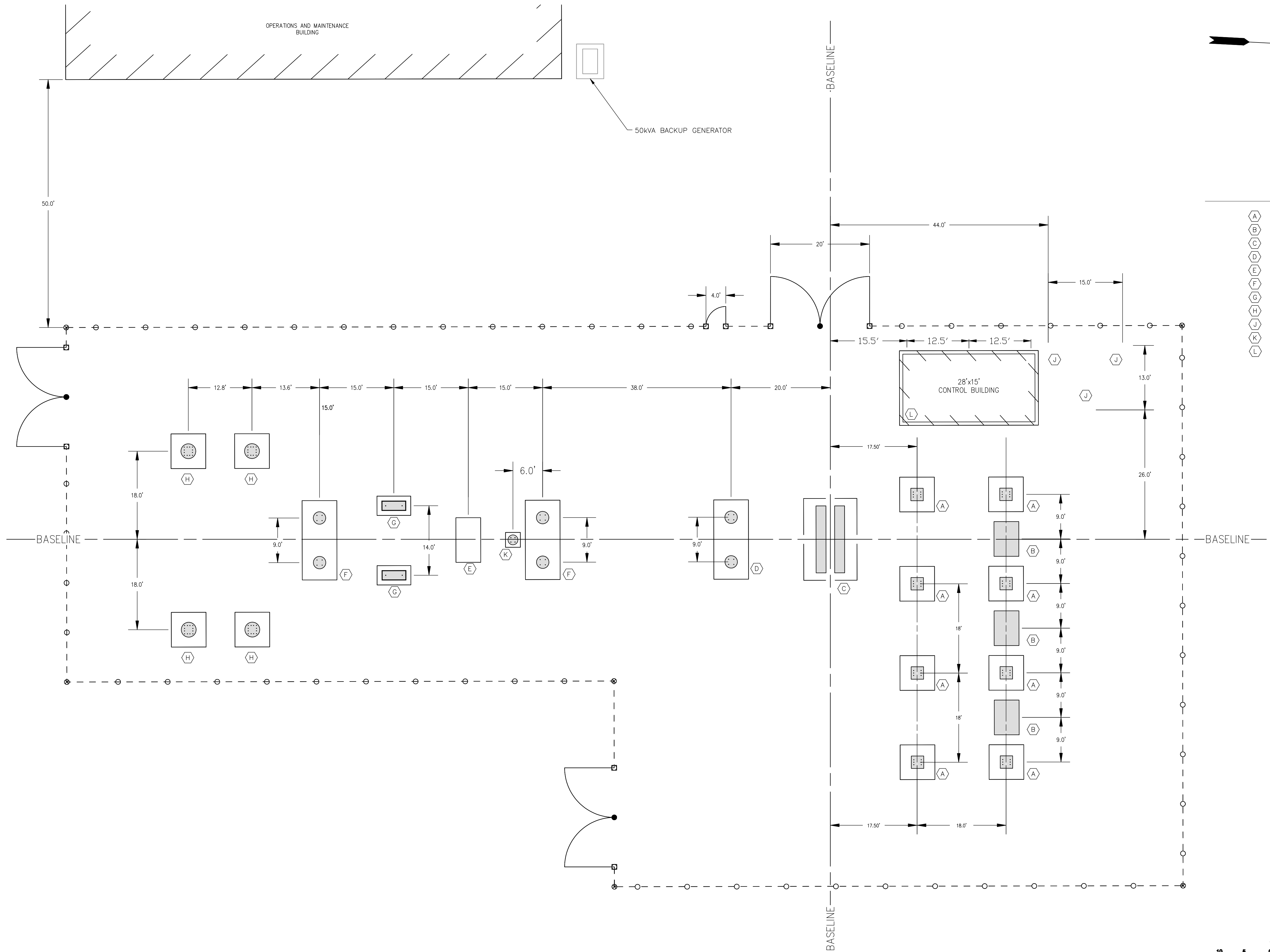
LEGEND

EXISTING	
	EXISTING CONTOUR
	GRAVEL SURFACE
	WETLAND AREA
	VERNAL POOL
PROPOSED	
	FENCE
	YARD AND GRAVEL DRIVE
	FOUNDATION
	BASELINE
	PROPOSED CONTOUR
	ROAD & TURBINE SITE GRADE CONTOUR BY OTHERS
	PAVED SURFACE
	TRELLINE
	15" DRAIN LINE
	SOIL BORING LOCATIONS
	SOIL PENETRATION LOCATIONS

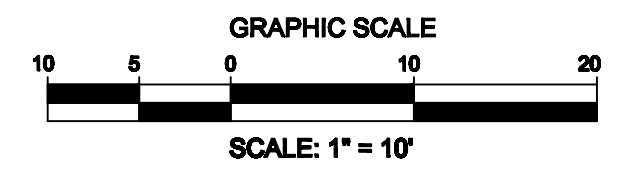


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<b>NO.</b>	<b>REVISIONS:</b>	<b>APPD:</b>	<b>DATE:</b>
0	PERMITTING REVIEW	TRB	09/24/07
<b>SGC ENGINEERING, LLC</b> • Civil Design & Survey Engineering • Environmental & Regulatory Permitting • Electrical Power Systems Engineering			
SERVING OUR CLIENTS IN THE U.S.A. & CANADA <small>           801 County Road            Westport, Maine 04491            Fax: 207-648-0101         </small>			
<small>           80 South Street, Suite 200            South Portland, Maine 04063            Fax: 207-884-1715         </small>			
SGC Project:	Date:	File:	Appr:
572001	NOV. 6, 2007	572001_UPC_nm_plans.dwg	PTT TRB
<b>GRADING AND DRAINAGE PLAN</b>		<b>PROJECT</b>	
34.5/115KV SUB-STATION		STETSON WIND PROJECT	
T8R3 & T8R4 NBPP, MAINE		CLIENT:	
EVERGREEN WIND POWER V, LLC		100 Wells Ave., Suite 201, Newton, MA 02459	
<b>DRAWING</b>	<b>SHEET</b>		
C3	4 OF 13		
<b>DRAWING NUMBER</b>			
102-302			



- KEY NOTES**
- (A) 34KV STRUCTURE FOUNDATION
  - (B) 34KV BREAKER PAD
  - (C) 34/115K TRANSFORMER FOUNDATION
  - (D) BUS SUPPORT FOUNDATION
  - (E) 115KV BREAKER FOUNDATION
  - (F) 115KV SWITCH FOUNDATION
  - (G) 115KV LA/VT FOUNDATION
  - (H) 115KV "A" FRAME FOUNDATION
  - (J) FUTURE MICROWAVE TOWER FOUNDATION
  - (K) SINGLE PHASE VT FOUNDATION
  - (L) CONTROL SHELTER FOUNDATION

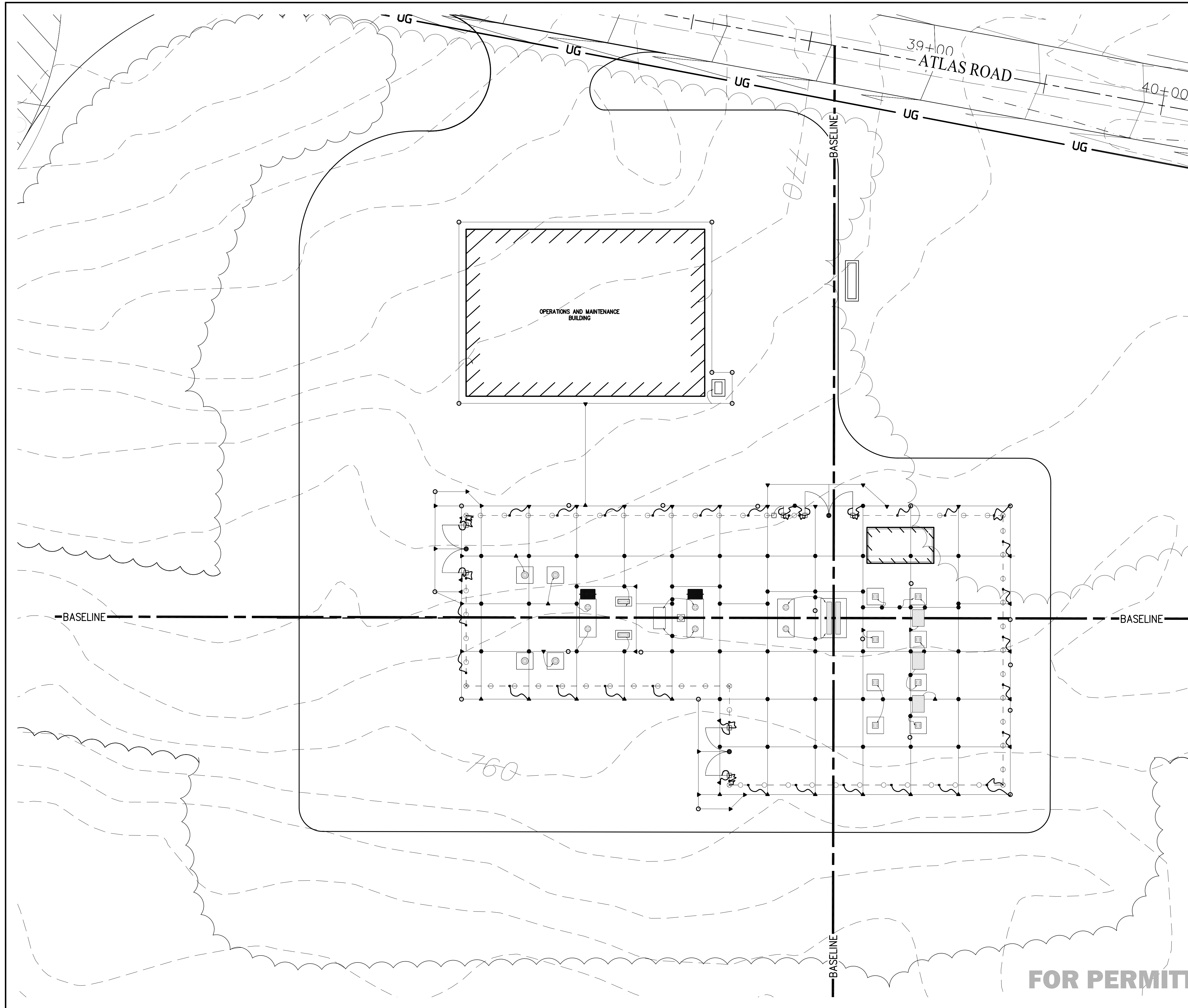


**FOR PERMITTING REVIEW ONLY**

<b>NO.</b> 0	<b>REVISIONS:</b> PERMITTING REVIEW	<b>APPD: DATE:</b> TRB 09/24/07
<b>SGC ENGINEERING, LLC</b> • Civil Design & Survey Engineering • Environmental & Regulatory Permitting • Electrical Power Systems Engineering SERVING OUR CLIENTS IN THE U.S.A. & CANADA 801 Cherry Street Portland, Maine 04107 Tel: 207-761-9100 Fax: 207-761-9091		
<b>SGC Project:</b> 572001	<b>Date:</b> SEPT. 21, 2007	<b>Drawn/Design/ Appr:</b> PTT / PTT / JCC
<b>FOUNDATION PLAN</b> <b>34.5/115KV SUB-STATION</b> <b>STETSON WIND PROJECT</b> T8R3 & T8R4 NBPP, MAINE <b>EVERGREEN WIND POWER V, LLC</b> 100 Wells Ave., Suite 201, Newton, MA 02459		
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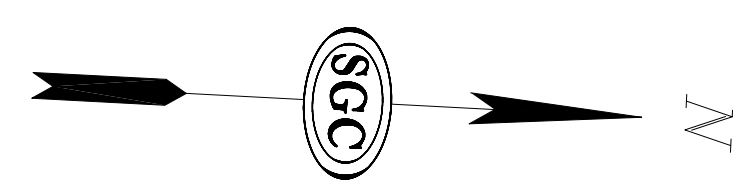
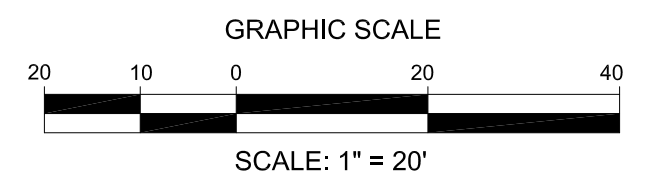
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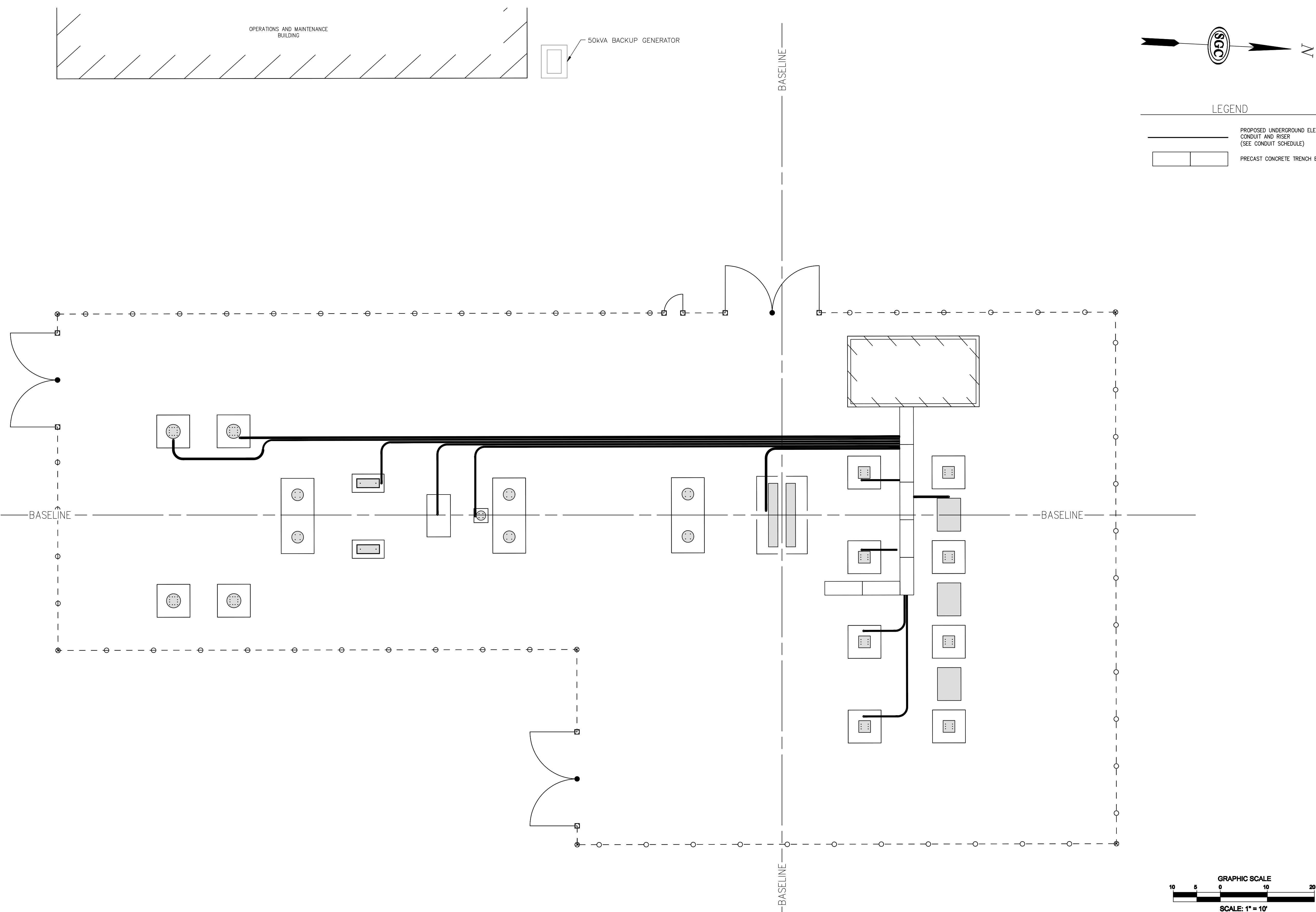
NOTE:  
SEE DRAWING 102-310 FOR FENCE  
AND GATE DETAILS.

- LEGEND
- GROUNDING MAT
  - GROUNDING ROD AND CONNECTOR
  - FENCE POST AND CLAMP
  - TEE CONNECTOR; 4/0-4/0
  - CROSS CONNECTOR
  - STEEL OR EQUIPMENT PIGTAIL - 4/0
  - FENCE PIGTAIL - 2/0
  - TINNED SPLIT BOLT OR PARALLEL CONNECTOR
  - TRANSFORMER NEUTRAL MUST CONSIST OF ONE CONTINUOUS PIECE OF 4/0 CONDUCTOR. TRANSFORMER PIGTAIL TO EXTEND 15' ABOVE GRADE. STEEL PIGTAIL TO EXTEND 5' ABOVE GRADE.
  - 4" O.D. GATE POST
  - 3" O.D. CORNER POST
  - 2 1/2" O.D. LINE POST
  - 2" O.D. REMOVABLE POST



<b>SGC ENGINEERING, LLC</b> • Civil Design & Survey Engineering • Environmental & Regulatory Permitting • Electrical Power Systems Engineering		Date: <b>SEPT. 21, 2007</b> Project: <b>572001</b>	Drawn: <b>PTT</b> Design: <b>PTT</b> Appr: <b>XXX</b>
<b>SGC</b> SERVING OUR CLIENTS IN THE U.S.A. & CANADA <small>801 Centre Road, Westport, MA 01480          90 South Street, Suite 200, South Scituate, MA 01903          2000 Highway 101, Suite 100, St. John's, NL A1B 4X6, CANADA          Fax: 207-896-0201 Fax: 207-896-0201 Fax: 207-896-0201</small>		Title: <b>FENCE AND GROUNDING PLAN</b> Project: <b>34.5/115KV SUB-STATION STETSON WIND PROJECT T8R3 &amp; T8R4 NBPP, MAINE</b> Client: <b>EVERGREEN WIND POWER V, LLC</b> 100 Wells Ave., Suite 201, Newton, MA 02459	
NO. 0 REVISIONS: PERMITTING REVIEW	APPD: TRB DATE: 09/24/07	DRAWING NUMBER <b>102-305</b>	

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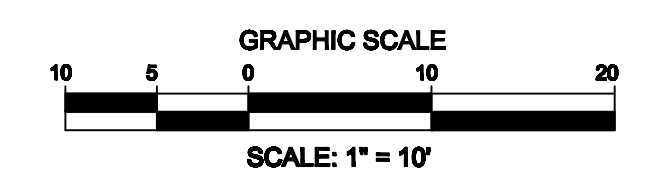
**LEGEND**

— PROPOSED UNDERGROUND ELECTRICAL CONDUIT AND RISER (SEE CONDUIT SCHEDULE)

▭ PRECAST CONCRETE TRENCH BOX

SGC

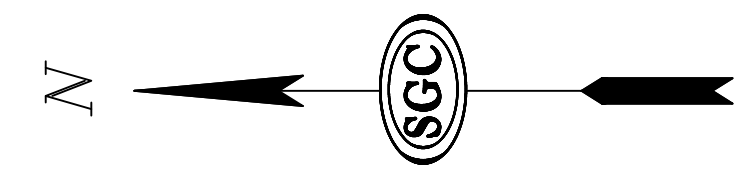
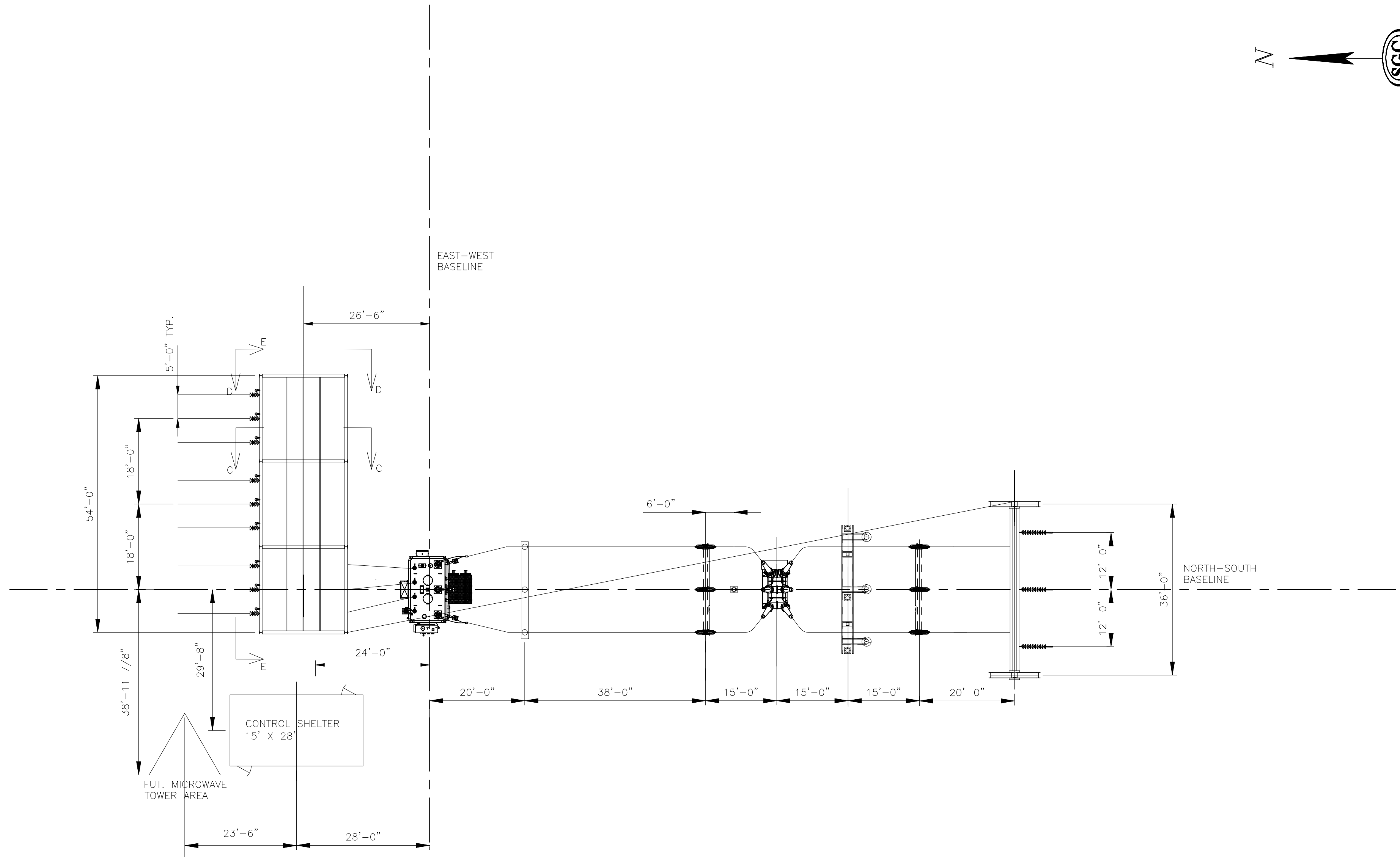
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<b>NO.</b>		<b>REVISIONS:</b>		<b>APPD: DATE:</b>	
0		PERMITTING REVIEW		TRB 09/24/07	
<p><b>SGC ENGINEERING, LLC</b></p> <ul style="list-style-type: none"> <li>Civil Design &amp; Survey Engineering</li> <li>Environmental &amp; Regulatory Permitting</li> <li>Electrical Power Systems Engineering</li> </ul> <p>SERVING OUR CLIENTS IN THE U.S.A. &amp; CANADA</p> <p>100 Wells Ave., Suite 201, Newton, MA 02459 Tel: 617-552-8200 Fax: 617-552-8201</p> <p>100 Wells Ave., Suite 201, Newton, MA 02459 Tel: 514-399-1174 Fax: 514-399-1174</p>					
SGC Project: 572001		Date: SEPT. 21, 2007		Drawn: PTT	
Title: CONDUIT PLAN		Project: 34.5/115KV SUB-STATION STETSON WIND PROJECT T8R3 & T8R4 NBPP, MAINE		Appr: JCC	
Client: EVERGREEN WIND POWER V, LLC		100 Wells Ave., Suite 201, Newton, MA 02459		File: PTT	
<b>DRAWING</b>		<b>SHEET</b>			
C6		7 OF 13			
<b>DRAWING NUMBER</b>					
102-306					

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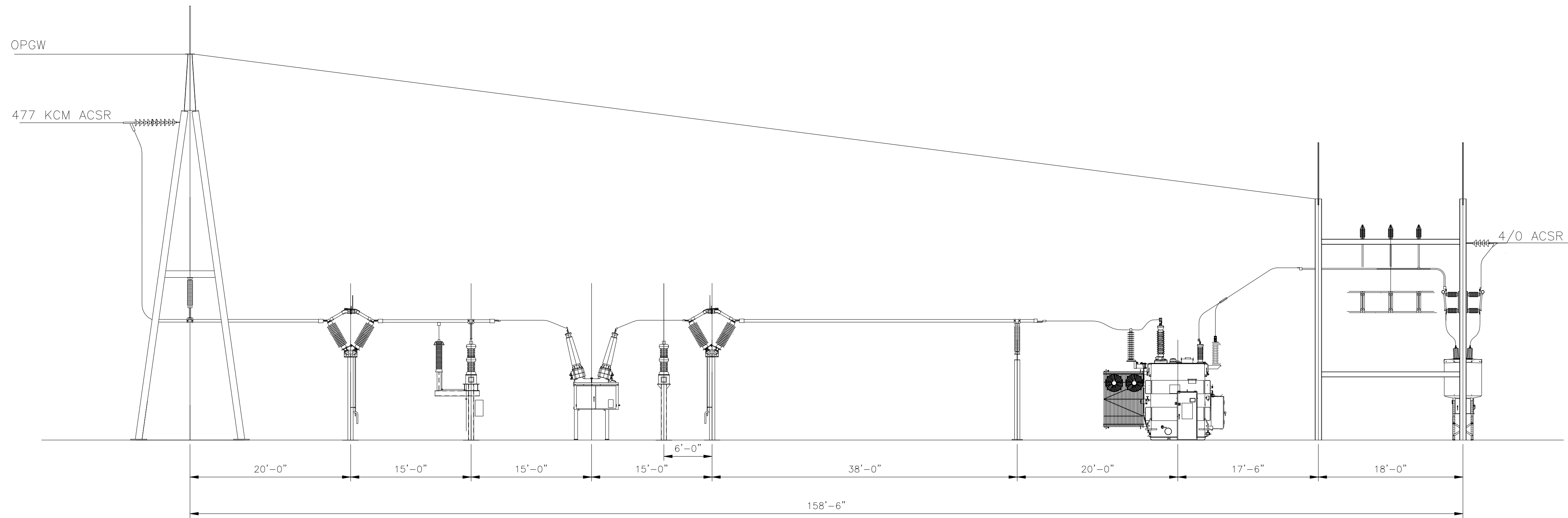
PLAN VIEW  
NOT TO SCALE

<b>NO.</b>		<b>REVISIONS:</b>		<b>APPD: DATE:</b>							
0		PERMITTING REVIEW		7/28 08/24/07							
<p><b>SGC ENGINEERING, LLC</b>          • Civil Design &amp; Survey Engineering          • Environmental &amp; Regulatory Permitting          • Electrical Power Systems Engineering</p> <p><b>SGC</b></p> <p>SEVERING OUR CLIENTS IN THE U.S.A. &amp; CANADA</p> <p>181 Chapel Street, 20th Floor, New Haven, CT 06510          203.333.8800          Fax: 203.333.8811</p> <p>50 South Street, Suite 303          South Portland, ME 04063          Tel: 207.884.8071          Fax: 207.884.8174</p>											
						<b>SGC Project:</b>		<b>Date:</b>		<b>Drawn: Design: Appd:</b>	
						572001		SEPT. 21, 2007		102-200.DWG/MPB/MPB xxx	
						<b>Title:</b>		<b>Client:</b>			
GENERAL ARRANGEMENT PLAN		EVERGREEN WIND POWER V, LLC									
<b>Project:</b>		<b>Client:</b>									
34.5/115 kV SUB-STATION STETSON WIND PROJECT T8R3 & T8R4 NBPP, MAINE		100 Wells Ave., Suite 201, Newton, MA 02459									
<b>DRAWING</b>		<b>SHEET</b>									
C7		8 OF 13									
<b>DRAWING NUMBER</b>											
102-200											

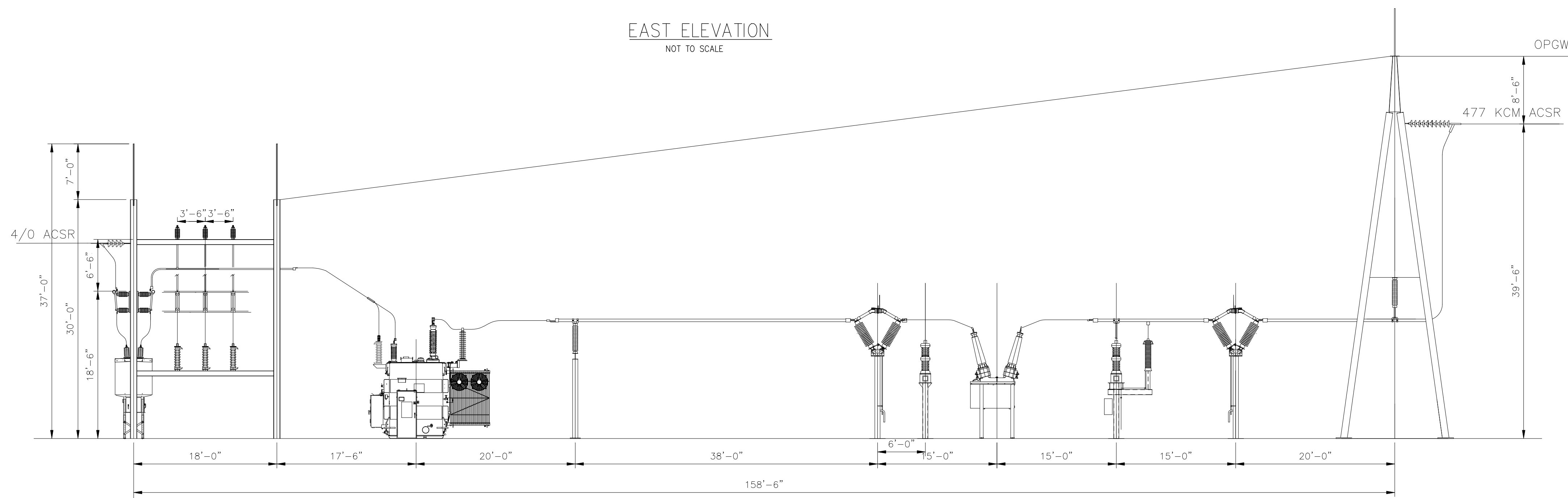
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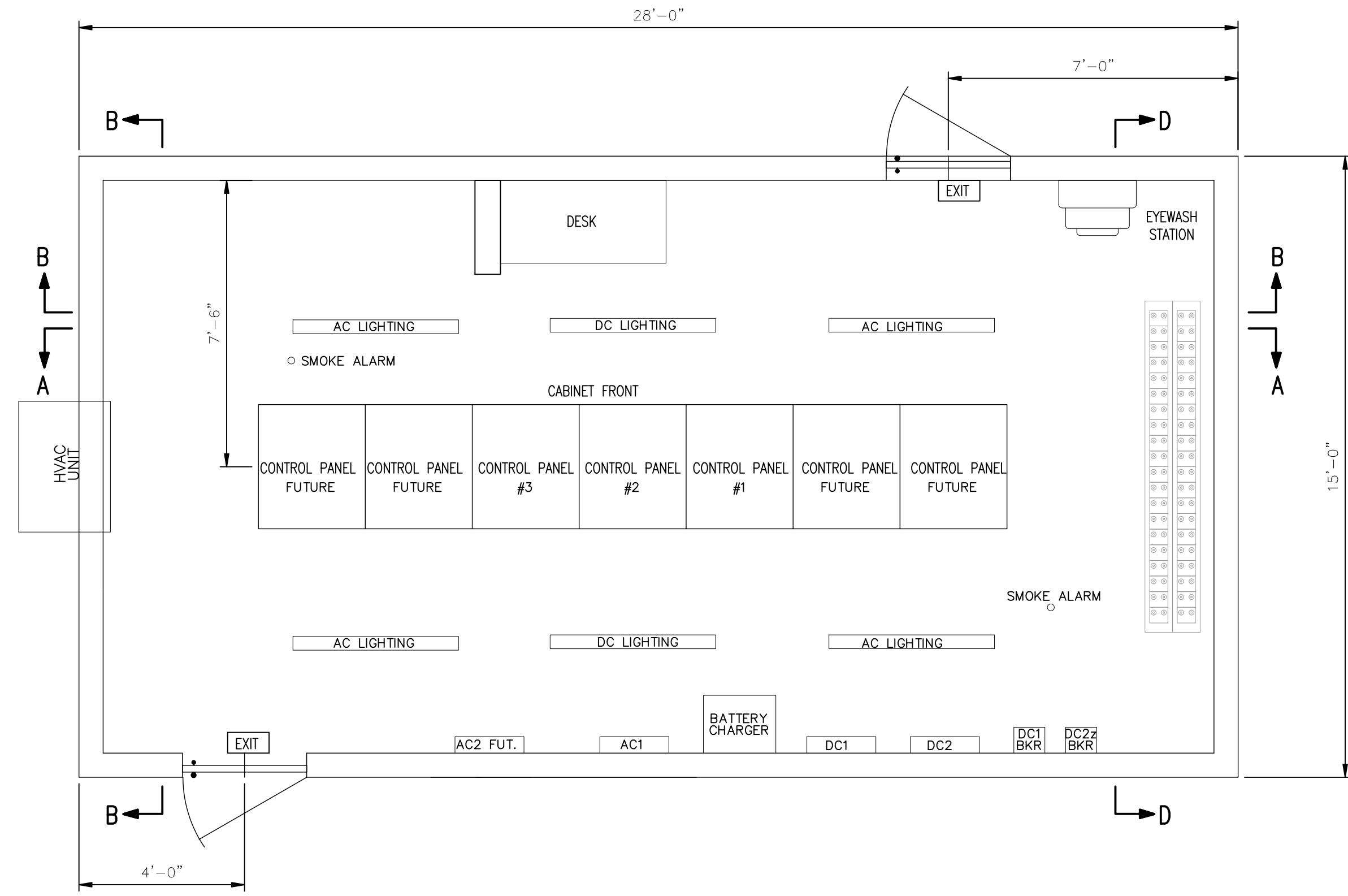
EAST ELEVATION  
NOT TO SCALE



WEST ELEVATION  
NOT TO SCALE

NO.	0	REVISIONS:	PERMITTING REVIEW	APPD: DATE:	7RB	09/24/07
<p><b>SGC ENGINEERING, LLC</b>          • Civil Design &amp; Survey Engineering          • Environmental &amp; Regulatory Permitting          • Electrical Power Systems Engineering</p> <p><b>SGC</b></p> <p>SERVING OUR CLIENTS IN THE U.S.A. &amp; CANADA</p> <p>1800 Orange Road          Westborough, MA 01581          Tel: 508-853-8200          Fax: 508-853-1718</p> <p>1000 Lakeshore Circle          South Westport, ME 04090          Tel: 207-646-8801          Fax: 207-646-1718</p>						
SGC Project:	572001	Date:	SEPT. 21, 2007	File:	102-201.dwg	Drawn/Design/Asst:
<p><b>GENERAL ARRANGEMENT ELEVATIONS</b></p> <p><b>34.5/115 KV SUB-STATION</b></p> <p><b>STETSON WIND PROJECT</b></p> <p>T8R3 &amp; T8R4 NBPP, MAINE</p> <p>Client: <b>EVERGREEN WIND POWER V, LLC</b></p> <p>100 Wells Ave., Suite 201, Newton, MA 02459</p>						
DRAWING	C8	SHEET	9 OF 13	DRAWING NUMBER		
						102-201

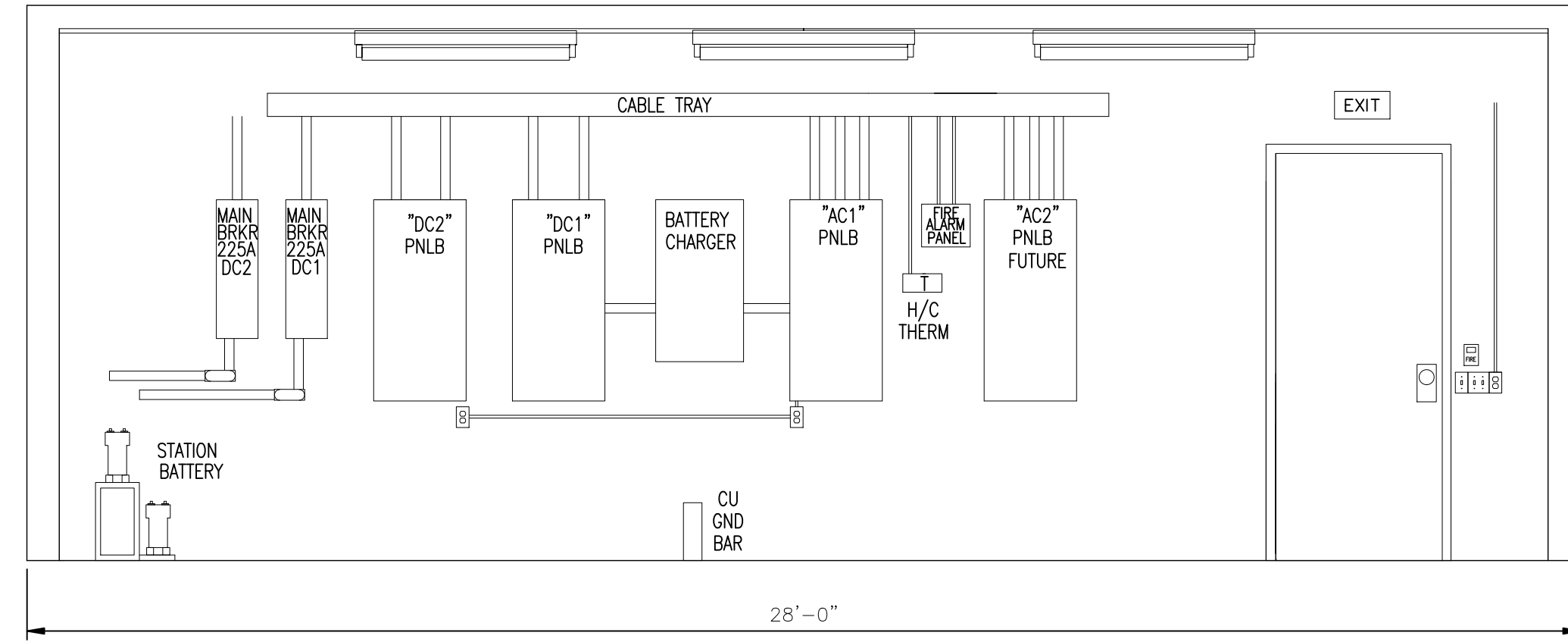
FOR PERMITTING REVIEW ONLY



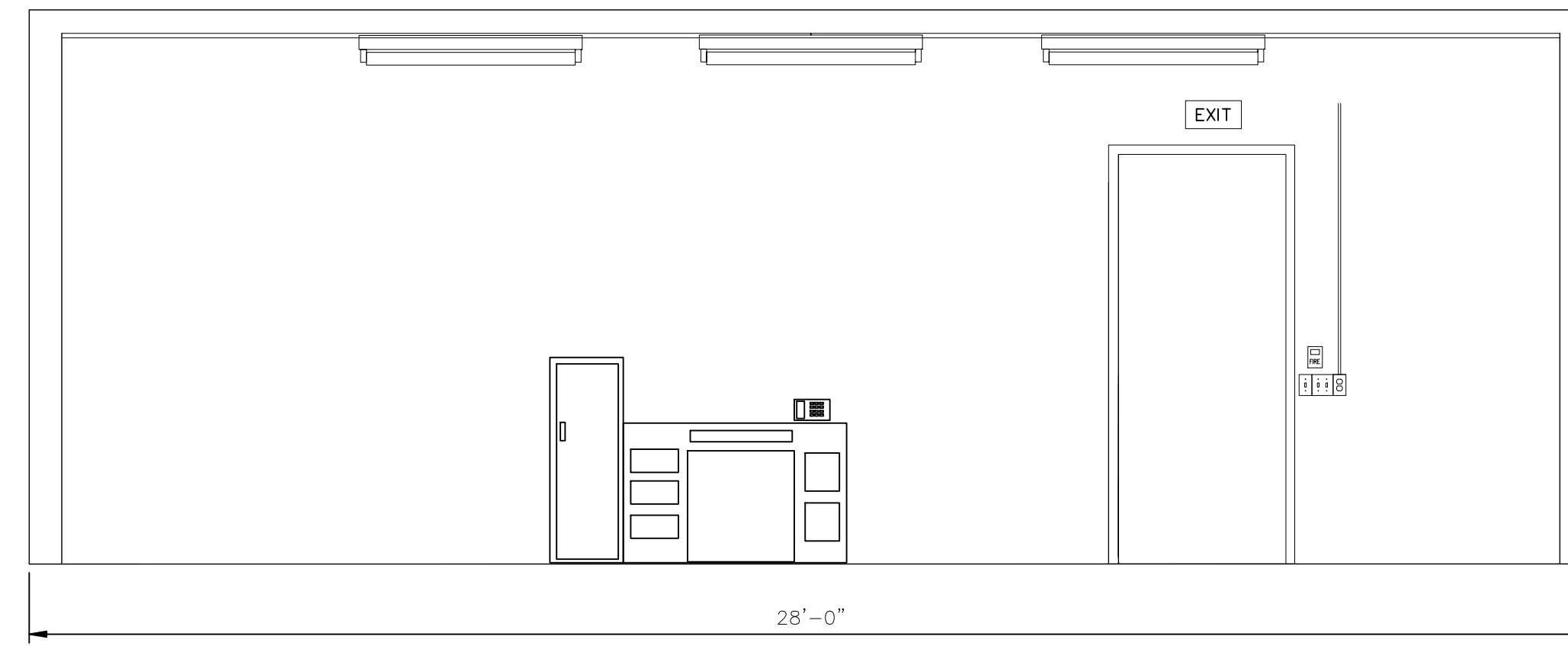
CONTROL BUILDING EQUIPMENT LAYOUT  
NOT TO SCALE

<b>NO.</b> 0		<b>REVISIONS:</b> PERMITTING REVIEW		<b>APPD:</b> TRB		<b>DATE:</b> 06/24/07	
<b>SGC ENGINEERING, LLC</b> • Civil Design & Survey Engineering • Environmental & Regulatory Permitting • Electrical Power Systems Engineering SERVING OUR CLIENTS IN THE U.S.A. & CANADA 801 County Street Bangor, Maine 04401 Tel: 207-948-9000 Fax: 207-948-9001 60 Bull Street, Suite 202 Portland, Maine 04103 Tel: 207-888-1000 Fax: 207-888-1001							
<b>SGC Project:</b> 572001		<b>Date:</b> JULY 12, 2007		<b>Drawn:</b> PTT		<b>Checked:</b> PTT	
<b>Task:</b> CONTROL BUILDING EQUIPMENT LAYOUT PLAN		<b>Project:</b> 34.5/115 KV SUB-STATION STETSON WIND PROJECT T8R3 & T8R4 NBPP, MAINE		<b>Client:</b> EVERGREEN WIND POWER V, LLC 100 Wells Ave., Suite 201, Newton, MA 02459		<b>Appr:</b> JCK	
<b>DRAWING</b> C9		<b>SHEET</b>					
<b>DRAWING NUMBER</b> 102-503							

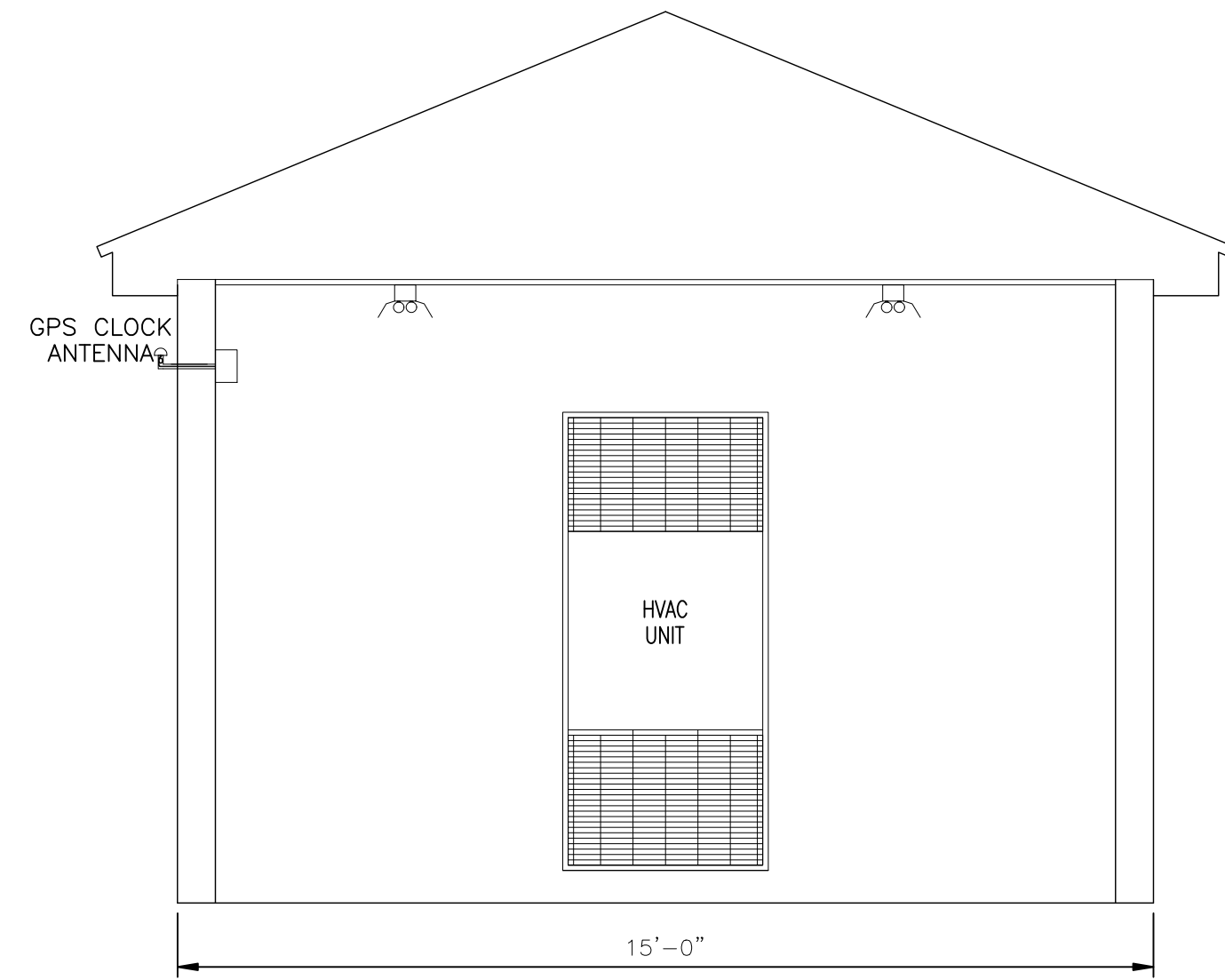
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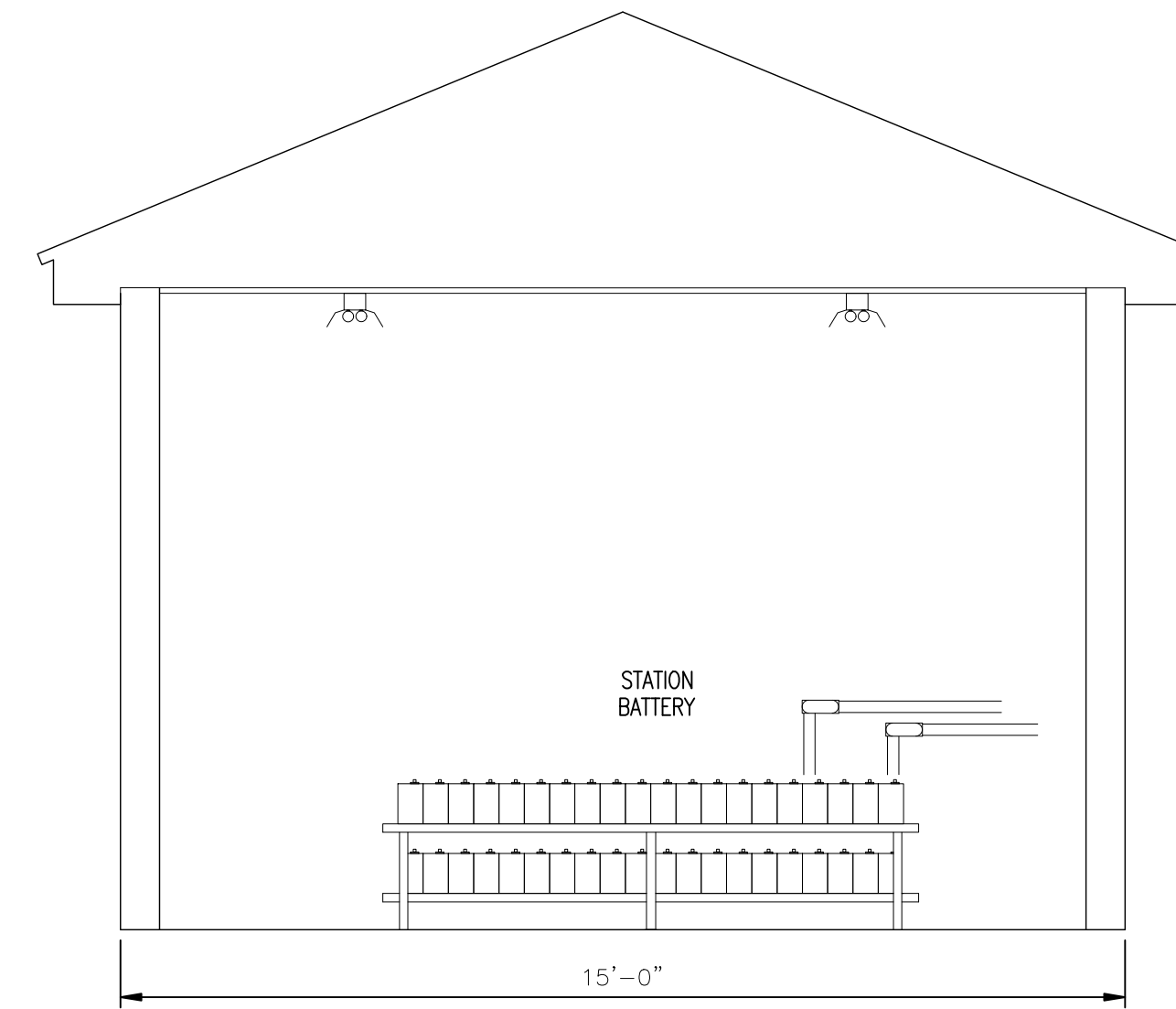
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<b>NO.</b> 0	<b>REVISIONS:</b> PERMITTING REVIEW	<b>APPD:</b> TRB	<b>DATE:</b> 09/24/07
<b>SGC ENGINEERING, LLC</b> • Civil Design & Survey Engineering • Environmental & Regulatory Permitting • Electrical Power Systems Engineering SERVING OUR CLIENTS IN THE U.S.A. & CANADA 801 County Street, Suite 202 North Andover, MA 01855 Tel: 978-874-1000 Fax: 978-874-1001			
<b>SGC Project:</b> 572001	<b>Date:</b> SEPT. 21, 2007	<b>Drawn:</b> PTT	<b>Appr:</b> JXX
<b>THESE CONTROL BUILDING EQUIPMENT ELEVATIONS</b> <b>34.5/115 KV SUB-STATION</b> <b>STETSON WIND PROJECT</b> T8R3 & T8R4 NBPP, MAINE	<b>CLIENT:</b> <b>EVERGREEN WIND POWER V, LLC</b> 100 Wells Ave., Suite 201, Newton, MA 02459	<b>DRAWING SHEET</b> <b>C10 11 OF 13</b>	
<b>DRAWING NUMBER</b> <b>102-505</b>			

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**GENERAL EROSION CONTROL NOTES:**

- ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED & MAINTAINED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT BEST MANAGEMENT PRACTICES BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED MARCH, 2003 (AS REVISED).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING STORM WATER MANAGEMENT PRACTICES IN ACCORDANCE WITH LOCAL REGULATIONS AND GOVERNING AUTHORITIES AND SHALL BE RESPONSIBLE FOR ANY FINES RESULTING FROM EROSION CONTROL VIOLATIONS.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED UNTIL FINAL SURFACING AND LANDSCAPING ARE ESTABLISHED.
- THE CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING. PRIOR TO BEGINNING EXCAVATION WORK, SILT/HAYBALE FENCE SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE ACTUAL LIMITS OF GRUBBING AND/OR GRADING, AND AS SHOWN ON THE DRAWINGS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM. CONTRACTOR SHALL TAKE ALL OTHER NECESSARY MEASURES TO CONTROL EROSION. EROSION CONTROL FENCE SHALL ALSO BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE TOPSOIL STOCKPILES. ALL DISTURBED EARTH SURFACES SHALL BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION. ALL INSTALLED EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE END OF THE PROJECT.
- THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENTATION CONTROL DEVICES AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS. REPAIRS SHALL BE MADE AS NECESSARY. ACCUMULATED SEDIMENT TRAPPED BY EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE REMOVED AS NECESSARY.
- DURING CONSTRUCTION, TEMPORARY OUTLETS OF THE DRAINAGE SYSTEMS SHALL BE PROTECTED BY SEDIMENT BASINS.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE REMOVED AND THOSE AND ADJACENT AREAS RESTORED UPON COMPLETION OF THE WORK OR WHEN SO ORDERED BY THE ENGINEER.
- PERMANENT SEED MIX SHALL BE USED BETWEEN 05/15 AND 9/30. USE TEMPORARY SEED MIX SHALL BE USED BETWEEN 10/1 AND 5/14.
- SEEDING SHALL BE INSTALLED ON EXPOSED AREAS OF THE SITE WHERE GRADING ACTIVITIES WILL CEASE FOR A PERIOD OF MORE THAN 21 DAYS. SEEDING SHALL BE INSTALLED BY THE 14TH DAY AFTER THE LAST DISTURBANCE. TEMPORARY SEEDING SHALL BE INSTALLED ON SUCH AREAS AS GRADED SLOPES, STOCKPILE AREAS, ETC.  
TEMPORARY SEED MIX SHALL MEET THE FOLLOWING CRITERIA:  
SEED                      % WEIGHT                      % GERMINATION  
WINTER RYE                      80 MINIMUM                      85 MIN  
RED FESCUE (CREEPING)                      4 MIN                      80 MIN  
PERENNIAL RYE GRASS                      3 MIN                      90 MIN  
RED CLOVER                      3 MIN                      90 MIN  
OTHER CROP GRASS                      0.5 MAX  
NOXIOUS WEED SEED                      0.5 MAX  
INERT MATTER                      1.0 MAX
- PERMANENT SEED MIX SHALL MEET THE FOLLOWING CRITERIA (MDOT SPEC 171.03-B):  
RED FESCUE                      50%  
SHEEP FESCUE                      25%  
RED TOP                      5%  
WHITE CLOVER                      10%  
ANNUAL RYE                      10%
- THE METHOD OF STRIPPING VEGETATION SHALL BE SUCH AS TO MINIMIZE EROSION. FILLS SHALL BE PLACED AND COMPACTED IN SUCH A MANNER THAT SOIL SLIDING AND EROSION IS MINIMIZED. GRADING SHALL BE DONE IN SUCH A MANNER AS NOT TO DIVERT WATER ON TO ADJOINING PROPERTY.
- TEMPORARY MULCHING IS TO BE APPLIED TO ALL DISTURBED AREAS LEFT INACTIVE AND UNSTABILIZED FOR A PERIOD GREATER THAN 7 DAYS.
- RIPRAP INLET/OUTLET PROTECTION SHALL BE INSTALLED WITHIN 48 HOURS OF CULVERT INSTALLATION.
- EROSION CONTROL BLANKET SHALL BE USED FOR ALL DITCH INVERTS AS CHANNEL/DITCH STABILIZATION. EITHER MULCHING OR EROSION CONTROL BLANKET MAY BE USED ON DITCH SIDE SLOPES.
- ANY TOPSOIL THAT IS TO BE STOCKPILED ON SITE SHALL NOT BE LOCATED WITHIN 100 FEET OF ANY WETLAND AND SHALL HAVE SILT FENCE INSTALLED ALONG THE DOWN GRADIENT PERIMETER.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THERE IS A 95% CATCH OF GRASS.
- A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE ENTRANCE DIRECTLY OFF TROUT BROOK ROAD.

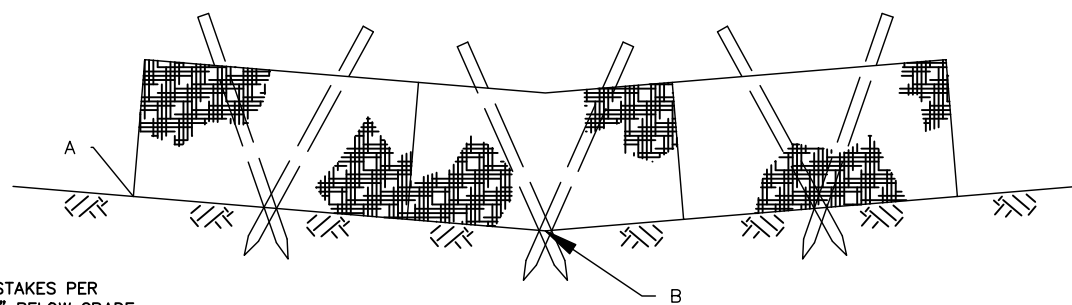
**NOTES:**

- INSTALL 2 - 5' WOODEN STAKES PER HAYBALE DRIVEN MINIMUM 18" BELOW GRADE.
- ELEVATION AT POINT "A" IS TO BE A MINIMUM 6" HIGHER THAN POINT "B".

HAYBALE SPACING SCHEDULE:	
SLOPE	SPACING
1%	120 FT
2%	75 FT
3%	60 FT
4%	48 FT
5%	36 FT
6%	25 FT

**HAYBALE CHECK DAM DETAIL**

NOT TO SCALE



**WINTER EROSION CONTROL AND STABILIZATION NOTES:**

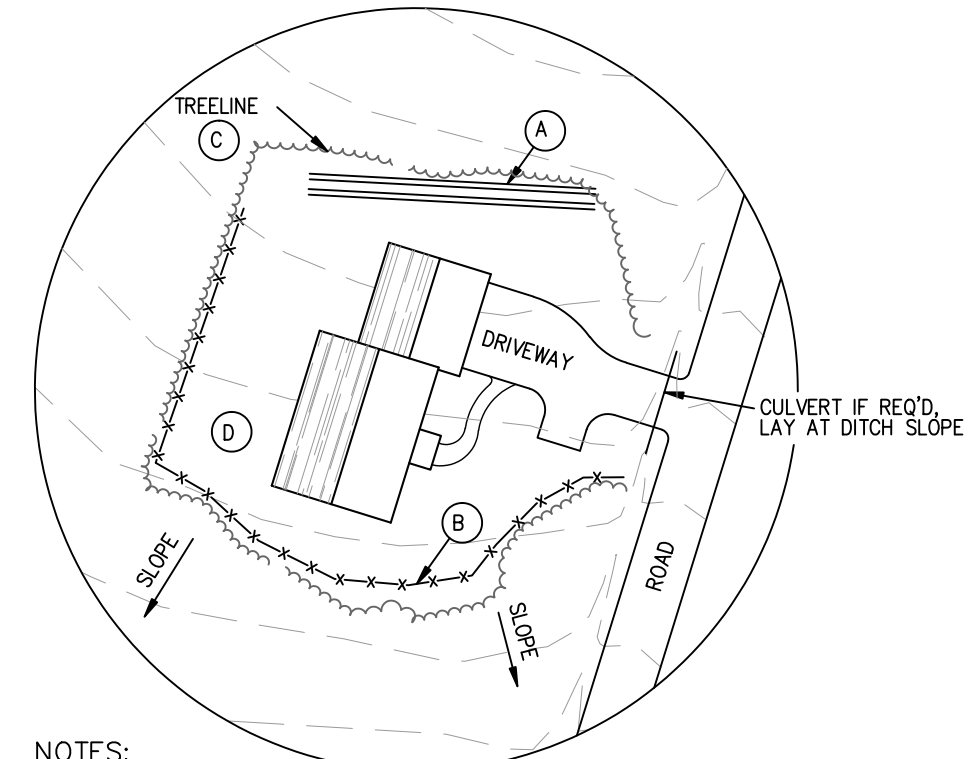
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL WINTER EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH SECTION A-3 OF "MAINE EROSION AND SEDIMENTATION CONTROL BMP'S".
- WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ONE TIME.
- DISTURBED AREAS ARE TO BE LIMITED TO AREAS WHERE WORK IS TO BE COMPLETED WITHIN 15 DAYS AND CAN BE MULCHED IN ONE DAY PRIOR TO A SNOW EVENT.
- THE SITE STABILIZATION SCHEDULE BEFORE WINTER SHALL BE AS FOLLOWS:  
SEPTEMBER 15 ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED. ALL SLOPES MUST BE STABILIZED, SEEDED AND MULCHED. ALL GRASS LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR AN EROSION CONTROL BLANKET.  
OCTOBER 1 ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEEDED AT A SEEDING RATE OF 3 POUNDS PER 1000 SQ-FT AND MULCHED.  
NOVEMBER 15 ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THAT DATE.  
DECEMBER 1 ALL DISTURBED AREAS WHERE THE GROWTH OF VEGETATION FAILS TO BE AT LEAST THREE INCHES TALL OR AT LEAST 75% OF THE DISTURBED SOIL IS COVERED BY VEGETATION, MUST BE PROTECTED FOR OVER-WINTER.

**GENERAL SITE LAYOUT NOTES:**

- THE OWNER SHALL PROVIDE SURVEYING BENCHMARK LOCATION AND ELEVATION THAT CORRESPONDS TO THE DESIGN ELEVATIONS AND EXISTING SITE ELEVATIONS. CONTRACTOR SHALL UTILIZE BENCHMARK ELEVATIONS FOR LAYOUT OF THE WORK.
- THE LIMITS OF ON-SITE WORK SHALL BE AS SHOWN ON DRAWINGS. THE LOCATION OF ON-SITE STORAGE AREAS SHALL BE REVIEWED / COORDINATED WITH, AND ACCEPTABLE TO THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT HIS ACTIVITIES TO THESE AREAS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTling ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY HIS OPERATIONS. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF MAINE, AT NO ADDITIONAL COST TO THE OWNER.
- WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

**GENERAL CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "DIG-SAFE" AND LOCAL UTILITY COMPANIES AT LEAST 3 BUSINESS DAYS, BUT NOT MORE THAN 30 CALENDAR DAYS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, OR AS OTHERWISE REQUIRED BY MAINE STATE LAW.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL MEANS, METHODS AND TECHNIQUES EMPLOYED TO PERFORM THE WORK SHOWN ON THESE PLANS.
- ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
- ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED. UTILITY POLE RELOCATION SHALL BE COORDINATED WITH CMP.
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THE WORK SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION.
- NO BLASTING WILL BE ALLOWED WITHIN 500 FT OF ANY UTILITY WITHOUT THE NOTIFICATION AND APPROVAL OF CMP OR THE APPROPRIATE UTILITY COMPANY. NO LEDGE BLASTING WILL BE PERMITTED WITHIN A UTILITY COMPANY EASEMENT UNTIL WRITTEN APPROVAL FROM THE UTILITY IS GIVEN.
- ROADWAY MATERIALS AS REFERENCED FROM "STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DECEMBER 2002" CHAPTER 401.02 MATERIALS, EXCEPT AS OTHERWISE NOTED.

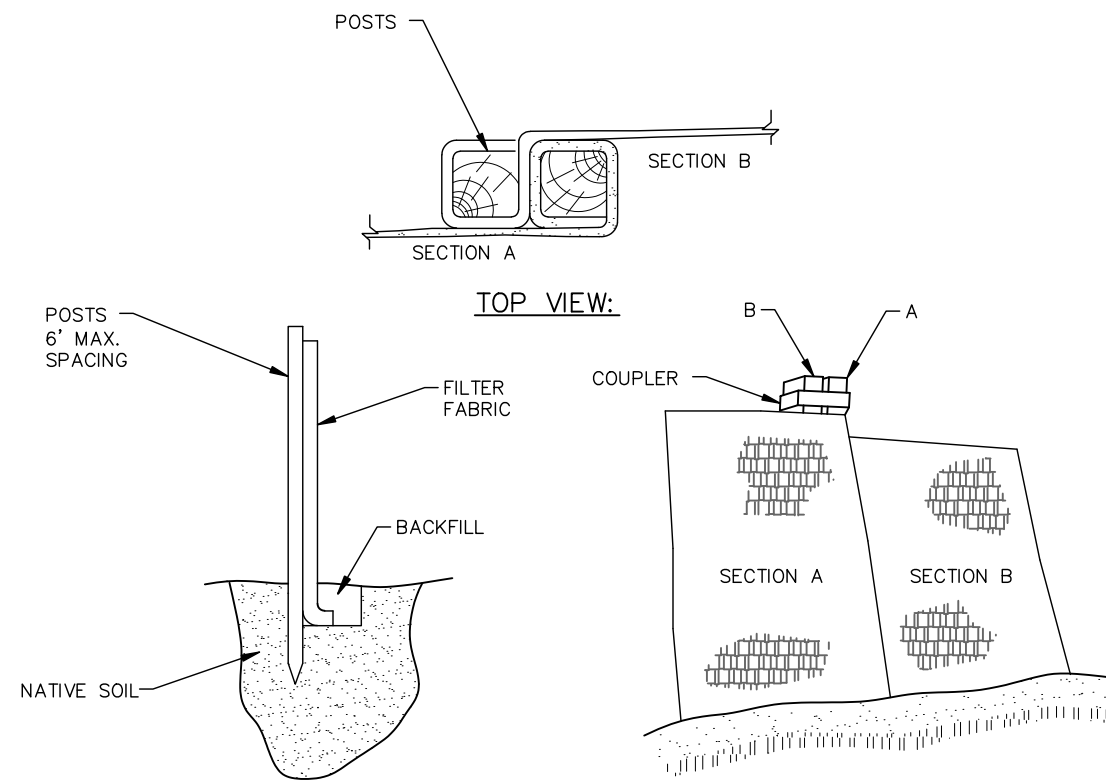


**NOTES:**

- THIS SKETCH IS INDICATING THE INTENT OF THE SOIL EROSION MEASURES. ACTUAL SITE CONDITIONS AND LAYOUTS WILL VARY FROM SITE TO SITE.
- BUILDING CONTRACTORS MUST COMPLY WITH THE EROSION CONTROL NOTES SHOWN ON THESE DRAWINGS AND WITH "MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES".  
A - CONSTRUCT DIVERSION DITCH TO KEEP UPSLOPE DRAINAGE FROM ENTERING SITE.  
B - INSTALL SILT FENCE BELOW ALL DISTURBED AREAS.  
C - KEEP CLEARING TO A MINIMUM.  
D - RE-SEED ALL DISTURBED AREAS, SEE SEEDING NOTES.

**TYPICAL BUILDING SITE EROSION CONTROL DETAIL**

NOT TO SCALE



**NOTES:**

- EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
- UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
- DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
- JOIN SECTION AS SHOWN ABOVE.
- BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.

**SILT FENCE DETAIL DETAIL**

NOT TO SCALE

APPD:	DATE:
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Project: **572001**      Date: **SEPT. 21, 2007**      Drawn: **PTT**      Checked: **PTT**      Appr: **XXX**

**DETAILS AND NOTES**

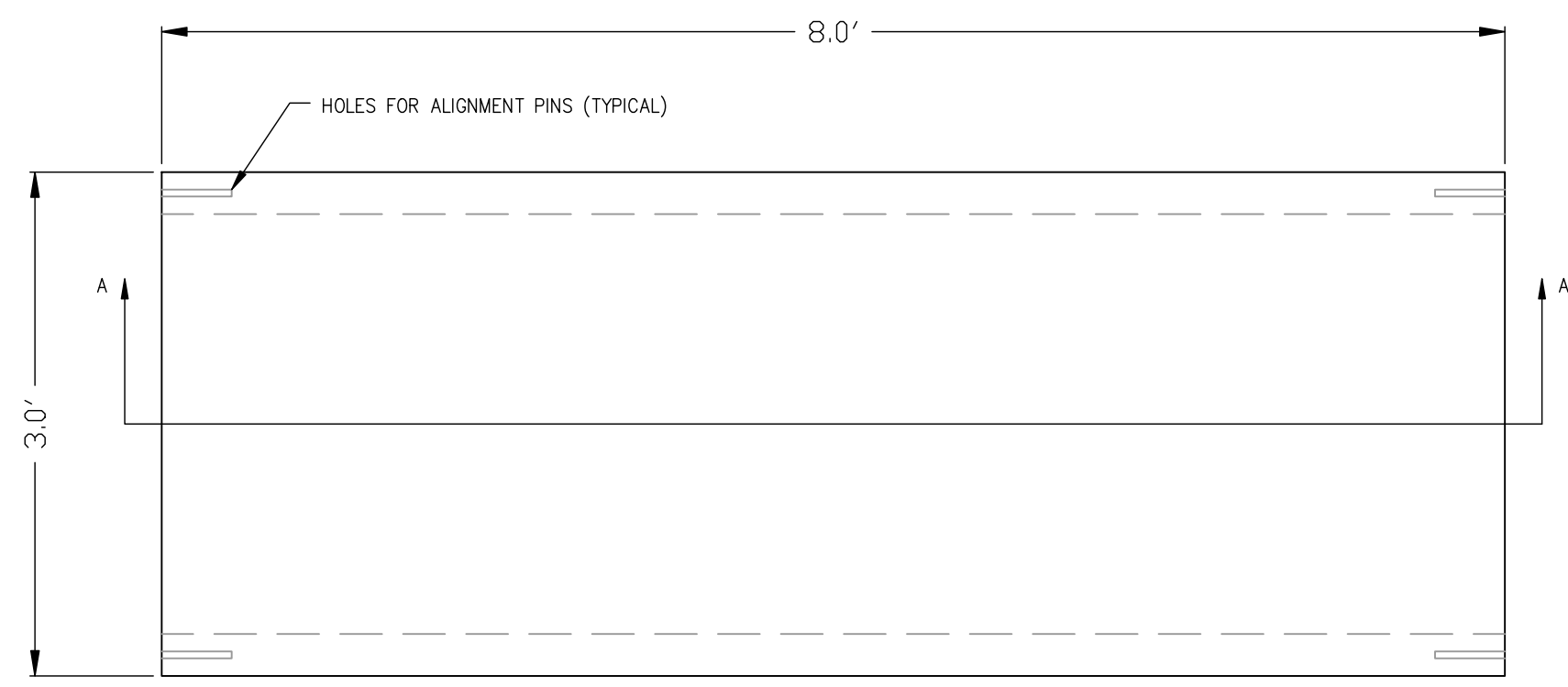
Project: **34.5/115KV SUB-STATION STETSON WIND PROJECT T8R3 & T8R4 NBPP, MAINE**

Client: **EVERGREEN WIND POWER V, LLC 100 Wells Ave., Suite 201, Newton, MA 02459**

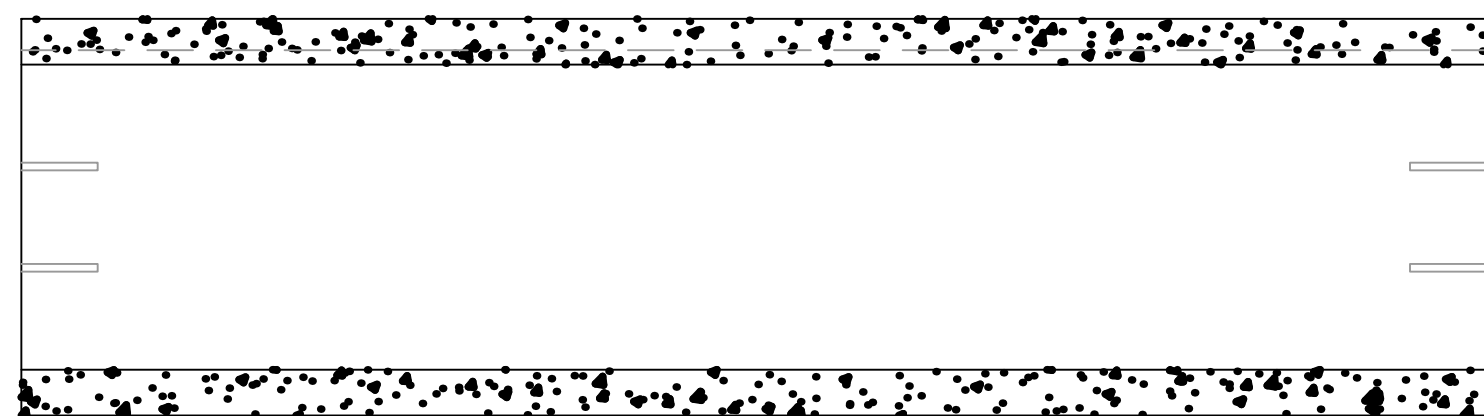
**DRAWING C11 SHEET 12 OF 13**

**DRAWING NUMBER 102-310**

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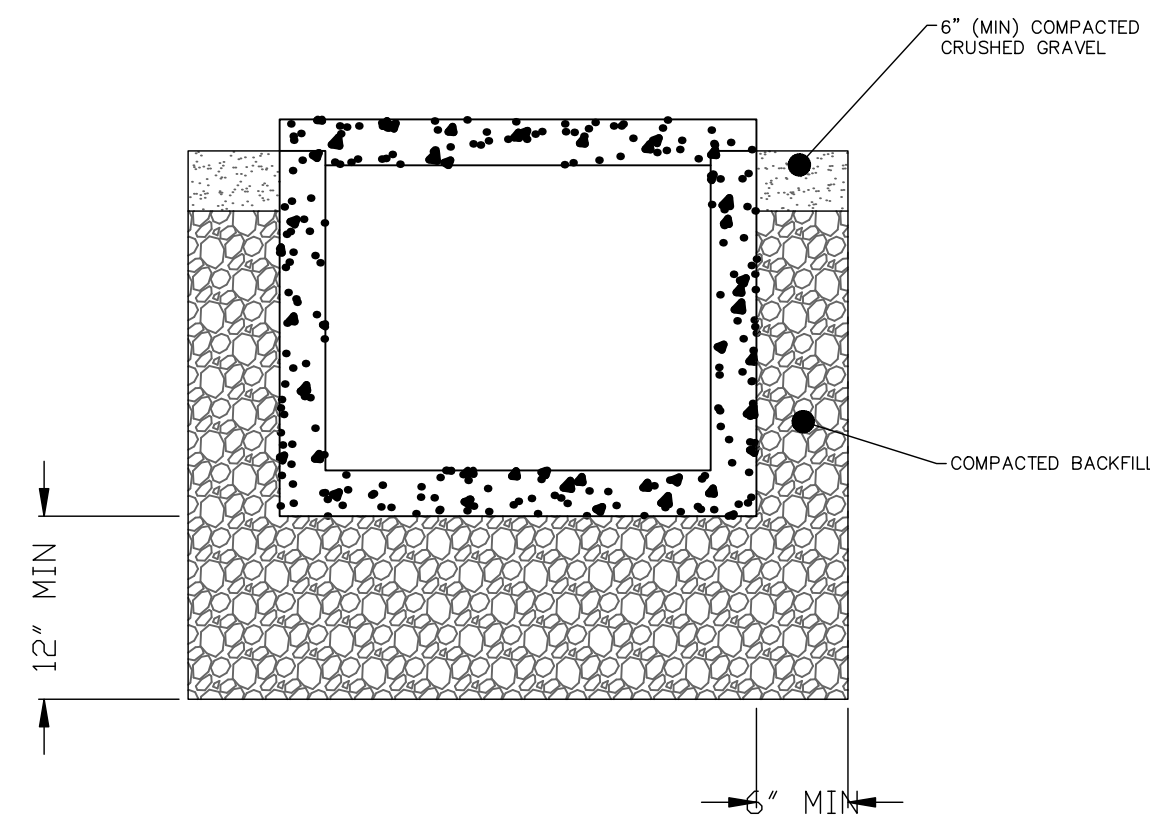
CONDUIT TRENCH BOX PLAN



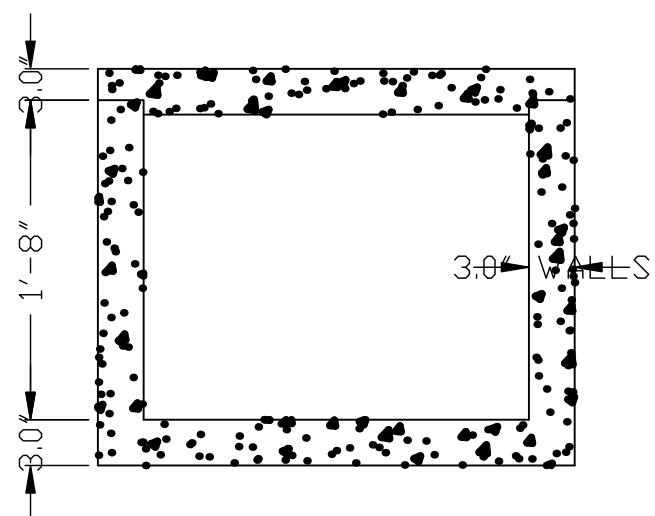
CONDUIT TRENCH BOX SECTION A-A

NOTES:

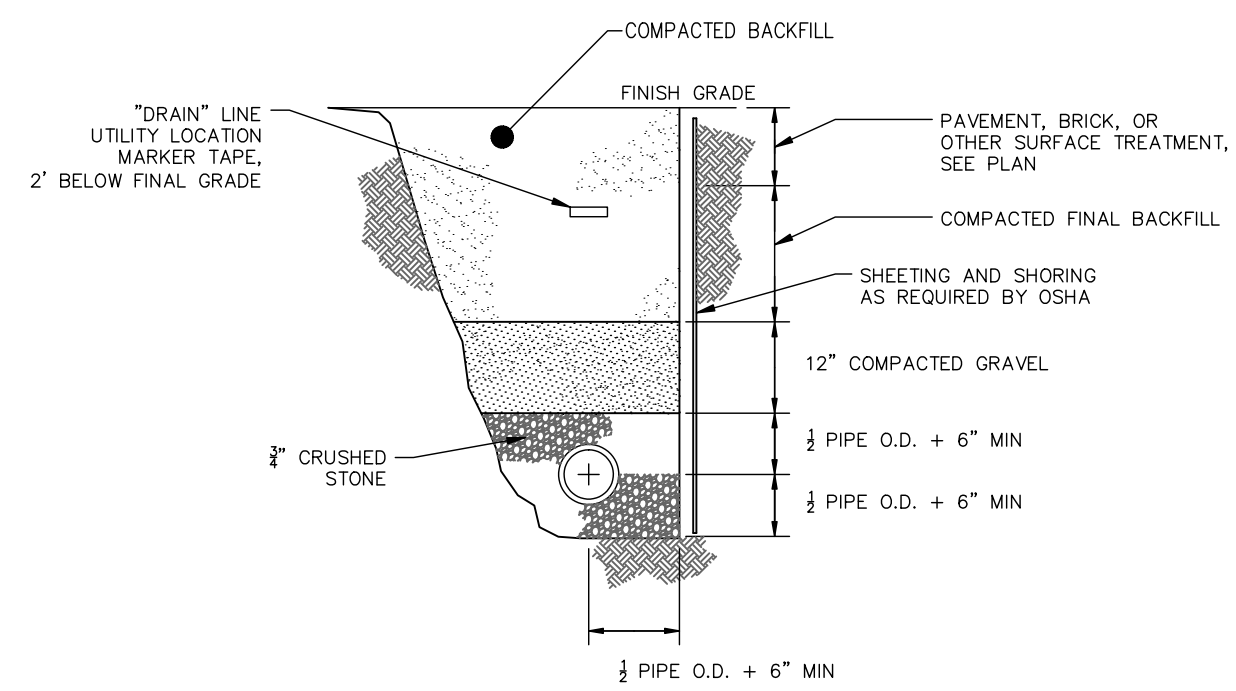
1. CONDUIT TRENCH BOX TO BE EQUAL TO SUPERIOR CONCRETE CO. ITEM NUMBER 332UTC-UT UTILITY TRENCH.
2. CONCRETE MINIMUM COMPRESSIVE STRENGTH 5000 PSI @ 28 DAYS WITH STEEL REINFORCEMENT.
3. ALIGNMENT PINS ARE TO BE A #4 REBAR, 5" LONG.
4. MANUFACTURED BY SUPERIOR CONCRETE.



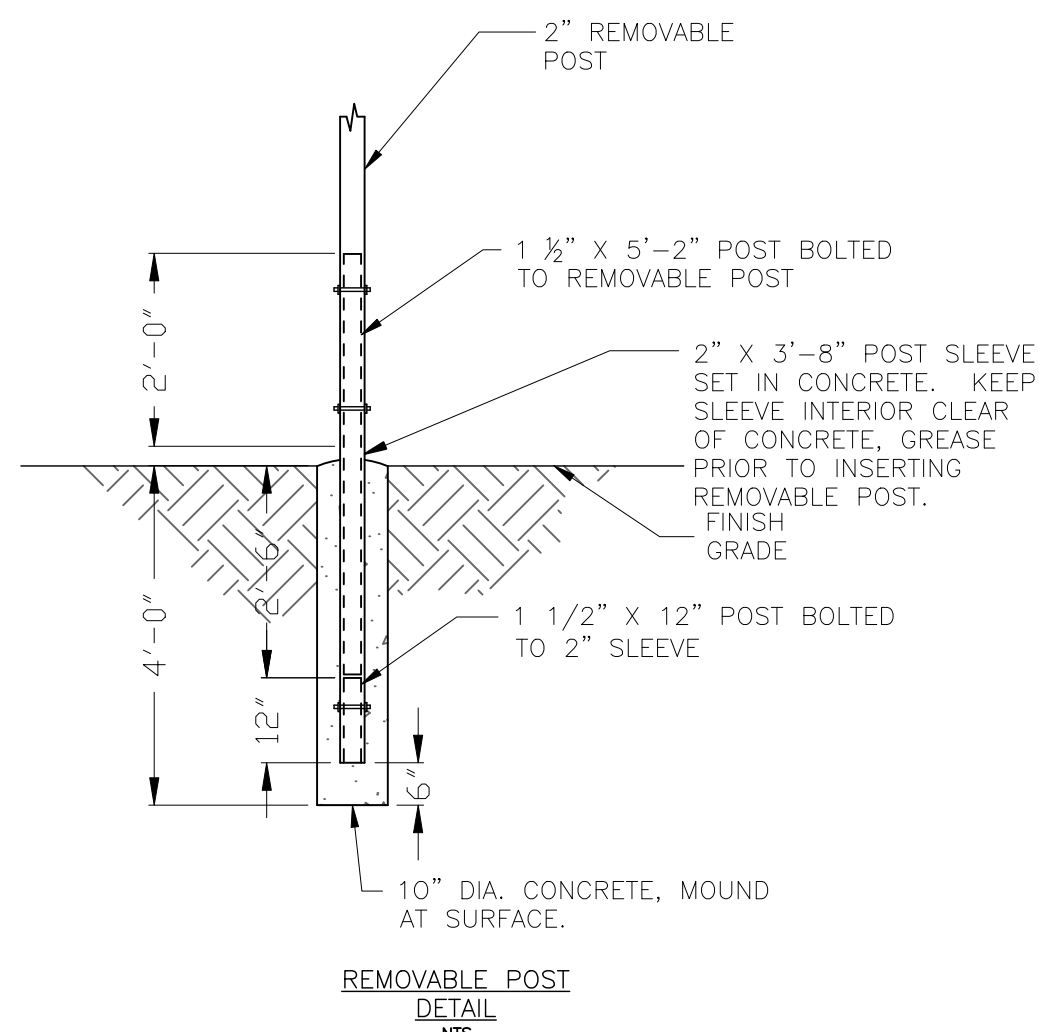
DUCT BANK TRNCH DETAIL



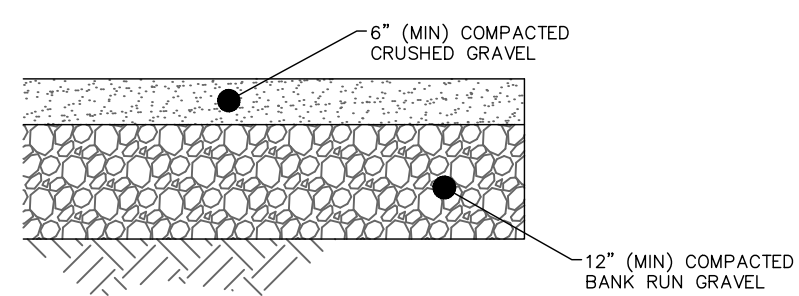
CONDUIT TRENCH BOX END SECTION



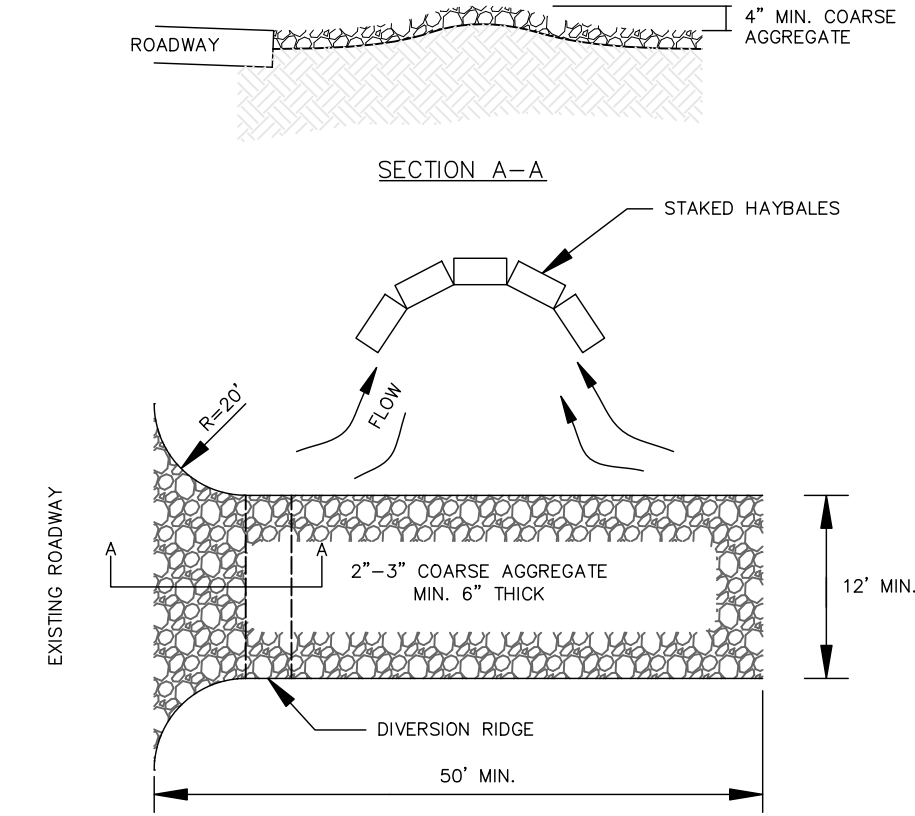
DRAIN PIPE TRENCH DETAIL  
NOT TO SCALE



REMOVABLE POST  
DETAIL  
NTS

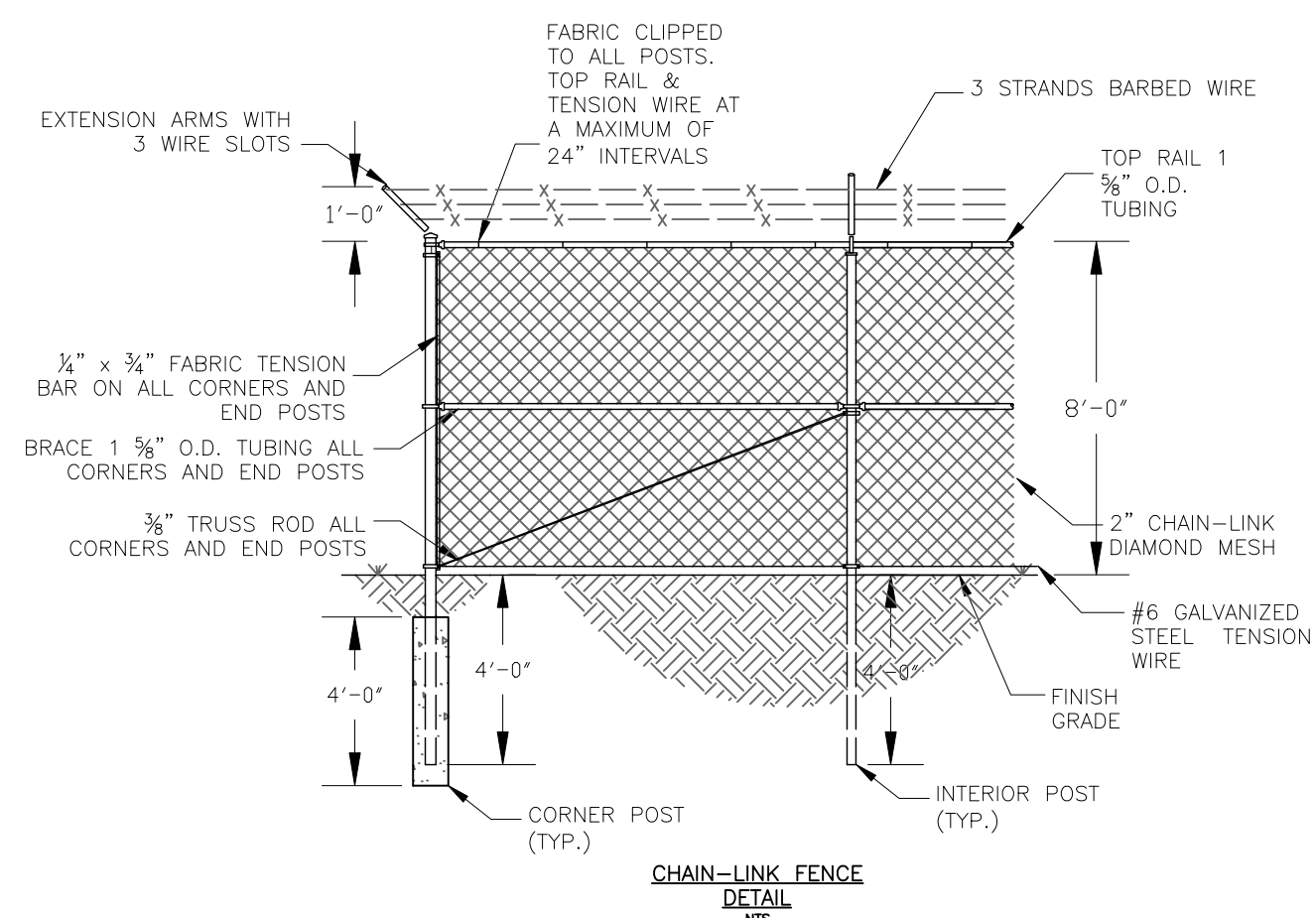


YARD AND GRAVEL DRIVE DETAIL  
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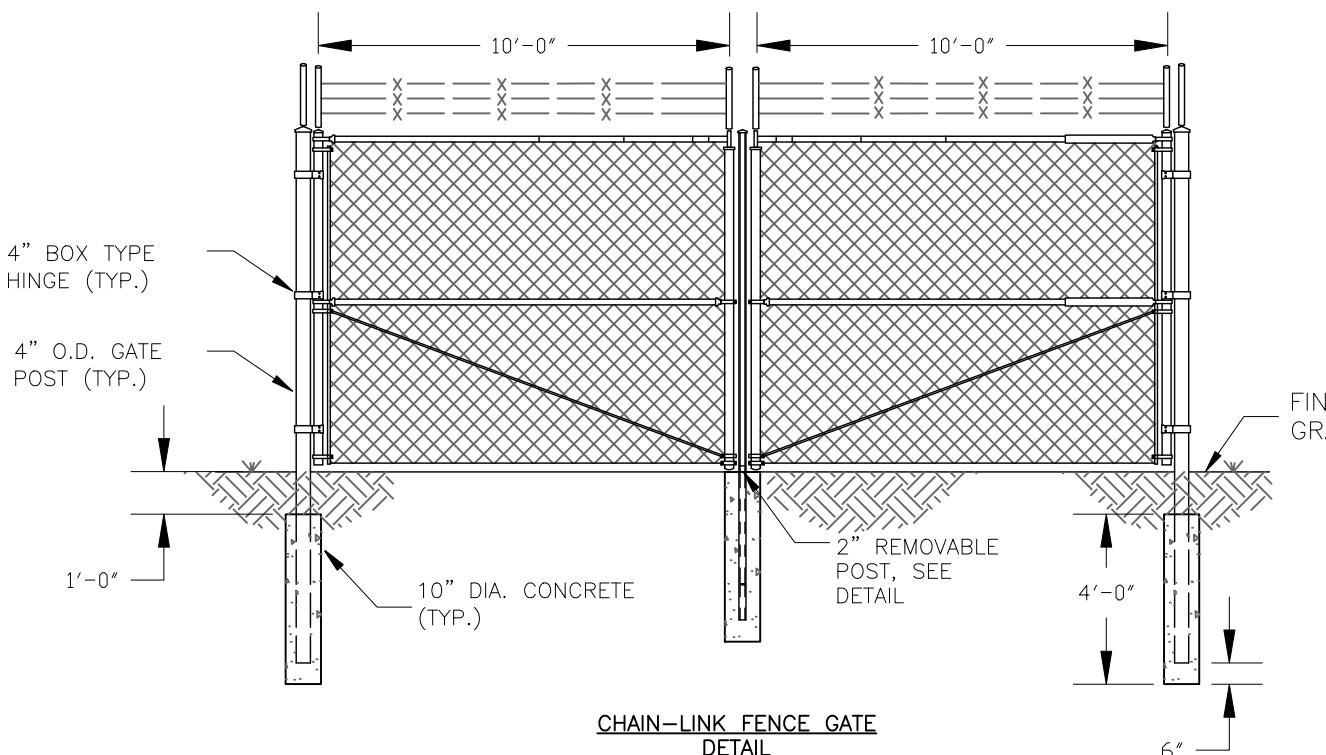


- NOTES:
- 1) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  - 2) WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF WAY.
  - 3) WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL  
NOT TO SCALE



CHAIN-LINK FENCE  
DETAIL  
NTS



CHAIN-LINK FENCE GATE  
DETAIL  
NTS

FENCE SPECIFICATIONS:

1. FENCE SHALL BE 8' HIGH CHAIN-LINK WITH BARBED WIRE. POSTS SHALL BE SPACED EVENLY AND NO GREATER THAN 10' APART.
2. FENCE FABRIC SHALL BE #9 GAUGE, HOT DIPPED 2" STEEL GALVANIZED MESH WITH TWISTED SELVAGES.
3. FENCE POSTS SHALL BE SCHEDULE 40, HOT DIPPED GALVANIZED STEEL SEAMLESS. CORNER POSTS SHALL BE 3" O.D. LINE POSTS SHALL BE 2 1/2" O.D. GATE POSTS SHALL BE 4" O.D. TOP AND INTERMEDIATE RAILS SHALL BE 1 5/8" O.D.
4. BARBED WIRE SHALL BE TWISTED STRAND WITH 0.08" FOUR POINT BARBS AT 4" INTERVALS.
5. BARBED WIRE EXTENSION ARMS SHALL BE 45", 17" LONG AND PINNED TO POSTS. ARMS SHALL HAVE 3 WIRE SLOTS AND CAST IRON WEATHER CAPS.
6. GATE HINGES TO BE CAST IRON, BOX HINGE TYPE.

APPD:	DATE:	TRB	09/24/07
REVISIONS:		PERMITTING REVIEW	
NO.		0	
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SGC Project:	572001	Drawn:	PTT
		Checked:	PTT
		Approved:	XXX
<p><b>DETAILS</b></p> <p><b>34.5/115KV SUB-STATION</b>  <b>STETSON WIND PROJECT</b>          T8R3 &amp; T8R4 NBPP, MAINE</p> <p><b>EVERGREEN WIND POWER V, LLC</b>          100 Wells Ave., Suite 201, Newton, MA 02459</p>			
DRAWING	C12	SHEET	13 OF 13
<p><b>DRAWING NUMBER</b></p> <p><b>102-311</b></p>			

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