

Section 1. DOWNEAST WIND PROJECT DESCRIPTION AND IMPACT SUMMARY

1.1. INTRODUCTION

This application provides the environmental documentation necessary to obtain an individual Natural Resources Protection Act (NRPA) permit from the Maine Department of Environmental Protection (MDEP). Downeast Wind, LLC (the Applicant) is proposing to construct and operate Downeast Wind (the Project), an approximately 126-megawatt (MW) grid-scale wind energy facility located in the town of Columbia, and the unorganized territories, T18 MD BPP and T24 MD BPP, of Washington County. The Project is located in an area identified as appropriate for grid-scale wind energy development (i.e., an expedited permitting area) as defined under 35-A M.R.S. § 3451¹ and is sited to maximize energy production while minimizing impacts to ecological resources. The proposed Project will require authorization from the MDEP under the Site Location of Development Act (Site Law) and the NRPA, and a certification from the Land Use Planning Commission (LUPC).

1.2. PROJECT DESCRIPTION

1.2.1. PROJECT OVERVIEW

Downeast Wind is sited on leased private lands encompassing approximately 16,580 acres located in the southwestern portion of Washington County (Project area). In general, the proposed Project is located south of Route 9, east of Route 193 and north of Route 1. It extends from the unorganized territory T24 MD BPP in the north, through T18 MD BPP, ending in the town of Columbia to the south. The Project will be constructed on hills south of Route 9, including Beech Hill and Hawk Hill, Ben Tucker Mountain, and other unnamed hills nearby. Ridge elevations within the Project area range between 300 and 600 feet above sea level. The Project area consists of low elevation mixed forest and blueberry barrens primarily managed for commercial agriculture purposes.

The Project proposes thirty (30) wind turbines generating 126 MW of electricity. Seven (7) turbines will be located in the town of Columbia along the northern edges of the blueberry barrens and to the north of Baseline Road. Six (6) turbines will be sited in the Thousand Hills area of T18 MD BPP. Seven (7) proposed turbines, including one spare, will be arrayed in the northern portion of T18 MD BPP around Crebo Flat and Hawk Hill Rd. Thirteen (13) proposed turbines, including two spare locations, will be sited in T24 MD BPP. Other Project features include: a substation and switchyard, temporary laydown yards, an O&M facility, one (1) meteorological (met) tower, two (2) temporary power performance towers, 24 miles of underground electrical collector line corridor, twelve (12) miles of improvements to existing roads for crane paths and access roads, and 11.9 miles of new crane paths and access roads.

There is a substantial network of existing roads, gravel roads used for blueberry operations, within the Project area. The Applicant will use existing roads to the extent practicable to minimize impacts. Approximately 12 miles of existing access roads will be upgraded to provide construction crane paths and access roads within the Project areas. Additionally, approximately 11.9 miles of new crane paths and access roads will be constructed to further connect turbine locations and will be maintained by the Applicant, as necessary. There is one primary laydown area, but

¹ Available Online: <http://legislature.maine.gov/statutes/35-A/title35-Ach34-Asec0.html>

additional areas have been proposed for siting at contractor discretion. All will be temporary during construction (See Exhibit 1-2 for IFP Civil Drawing Set), stabilized and restored at the end of the construction.

The Project is designed to use a Vestas V150 4.2 MW turbine on a 125-meter tower with a maximum tip height of 200 meters. Power from each turbine will be collected in approximately 45 miles of 34.5kV underground electrical collector lines. The underground electrical collector lines will be buried in trenches generally located within road shoulders. Underground collector lines will be bored under natural resources to avoid and minimize impacts.

Power from the collector lines will be transmitted to the proposed substation located in the town of Columbia, where it will tie into the electrical grid. The proposed substation will include aboveground electrical infrastructure surrounded by a 7-foot security fence. Electrical design is provided along with the Civil Design in Exhibit 1-2.

1.2.2. IMPACTS TO PROTECTED NATURAL RESOURCES

The Project has been designed to address the standards set forth in Section 480-D of the NRPA, and avoids and minimizes impacts to protected natural resources, including wetlands and waterbodies, to the maximum extent practicable. As part of the permitting process, the Applicant completed studies of natural resources and wildlife in the Project Area and on adjacent lands (Survey Areas). The Applicant followed an avoidance and minimization protocol while designing the layout for the Project, resulting in minimal natural resource impacts. For those activities that will not significantly affect the environment, provided they meet certain conditions, they are allowed under the Permit by Rule (PBR) provision in Chapter 305 of NRPA. Exhibit 1-1 includes a PBR notification form and supporting information for PBR activities on the Project. The PBR activities are covered under Section 19, *Activities In, On or Over Significant Vernal Pool Habitat*.

Prior to field investigations, wetland scientists conducted a desktop analysis to identify potential wetlands, streams, and vernal pools within the Survey Area utilizing publicly available online data. Formal wetland delineations focused on areas of potential impacts within potential disturbance corridors, which were preliminarily identified as a potential area for Project infrastructure. After several turbine layout iterations and engineering design changes, a total of 6,266 acres was surveyed for wetlands, waterbodies, streams, and vernal pools within the Study Area. Downeast Wind used the results of the field delineations to inform Project design and avoid and minimize wetland and resource impacts to the greatest extent practicable.

While impacts to protected natural resources have been largely avoided and minimized, some temporary and permanent impacts will occur during the construction process and are unavoidable. Permanent wetland fill impacts are limited to access road construction and grading. Minor temporary impacts associated with the use of construction mats in wetlands and over streams are necessary to avoid permanent impacts. Clearing impacts (conversion of forested to scrub-shrub and herbaceous vegetation communities) will also occur but have been avoided and minimized to the greatest extent practicable through the engineering design.

Temporary and permanent impacts have been minimized through various avoidance and minimization measures, including the commitment to bore collector line segments under wetlands, streams, and Significant Vernal Pool (SVP) critical terrestrial habitats (CTHs) to the greatest extent practicable. The majority of these bore segments will also not be cleared so clearing and conversion impacts will also be avoided to the greatest extent practicable.



Permanent impacts were calculated by the limits of grading in the engineering design. Clearing impacts associated with Project infrastructure that requires grading were calculated using the area between limits of grading and limits of clearing as identified in the engineering design. Clearing impacts associated with collector lines were assumed to be 50 feet for a single circuit. An additional 15 feet was added for each additional circuit in the same corridor (Exhibit 1-2).

Table 1-1 summarizes the construction impacts to wetlands.

Table 1-1: Wetland Construction Impact Summary

Construction Impact Type	Estimated Area of Impact by Surface area ft² (acres)
Clearing Wetland Impacts in Non-Wetlands of Special Significance (WOSS)	66,580 (1.53)
Clearing Wetland Impacts in WOSS	23,153 (0.53)
Total Clearing Wetland Impacts	89,733 (2.06)
Permanent Wetland Fill in Non-Wetlands of Special Significance (WOSS)	34,826 (0.80)
Permanent Wetland Fill in WOSS	24,327 (0.56)
Total Permanent Wetland Fill	59,153 (1.36)
Total Wetland Impacts	148,886 (3.42)

A review of Table 1-1 shows the Project will result in 1.36 acres of permanent fill from the construction of access roads or improvements to existing access roads and 2.06 acres of clearing resulting in conversion of forested/scrub-shrub wetland to other wetland cover types. Unless Downeast Wind identifies appropriate applicant-sponsored conservation to mitigate for wetland impacts, it will compensate for wetland impacts through the In-Lieu-Fee (ILF) program.



EXHIBIT 1-1: PERMIT BY RULE APPLICATION



COLUMBIA PBR

DEPARTMENT OF ENVIRONMENTAL PROTECTION
PERMIT BY RULE NOTIFICATION FORM

(For use with DEP Regulation, Natural Resources Protection Act - Permit by Rule Standards, Chapter 305)

APPLICANT INFORMATION (Owner)				AGENT INFORMATION (If Applying on Behalf of Owner)			
Name:				Name:			
Mailing Address:				Mailing Address:			
Mailing Address:				Mailing Address:			
Town/State/Zip:				Town/State/Zip:			
Daytime Phone #:		Ext:		Daytime Phone #:		Ext:	
Email Address:				Email Address:			
PROJECT INFORMATION							
Part of a larger project? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	After the Fact? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Project involves work below mean low water? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name of waterbody:	
Project Town:	Columbia		Town Email Address:			Map and Lot Number:	
Brief Project Description:							
Project Location & Brief Directions to Site:							

PERMIT BY RULE (PBR) SECTIONS (Check at least one): I am filing notice of my intent to carry out work that meets the requirements for Permit-by-Rule (PBR) under DEP Rules, [Chapter 305](#). I and my agent(s), if any, have read and will comply with all of the standards in the Sections checked below.

- | | | |
|---|--|---|
| <input type="checkbox"/> Sec. (2) Act. Adj. to Prot. Natural Res. | <input type="checkbox"/> Sec. (9) Utility Crossing | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects |
| <input type="checkbox"/> Sec. (3) Intake Pipes | <input type="checkbox"/> Sec. (10) Stream Crossing | <input type="checkbox"/> Sec. (17) Transfer/Permit Extension |
| <input type="checkbox"/> Sec. (4) Replacement of Structures | <input type="checkbox"/> Sec. (11) State Transportation Facilities | <input type="checkbox"/> Sec. (18) Maintenance Dredging |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Veg. | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas | <input type="checkbox"/> Sec. (19) Act. Near SVP Habitat |
| <input type="checkbox"/> Sec. (7) Outfall Pipes | <input type="checkbox"/> Sec. (13) F&W Creat./Water Qual. Improv. | <input type="checkbox"/> Sec. (20) Act. Near Waterfowl/Bird Habitat |
| <input type="checkbox"/> Sec. (8) Shoreline Stabilization | <input type="checkbox"/> Sec. (15) Public Boat Ramps | |

NOTE: Municipal permits also may be required. Contact your local code enforcement office for information. Federal permits may be required for stream crossings and for projects involving wetland fill. Contact the Army Corps of Engineers at the Maine Project Office for information.

NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS AND FEE

- Attach** all required submissions for the PBR Section(s) checked above. The required submissions for each PBR Section are outlined in Chapter 305 and may differ depending on the Section you are submitting under.
- Attach** a location map that clearly identifies the site (U.S.G.S. topo map, Maine Atlas & Gazetteer, or similar).
- Attach** Proof of Legal Name if applicant is a corporation, LLC, or other legal entity. Provide a copy of Secretary of State's registration information (available at <http://icrs.informe.org/nei-sos-icrs/ICRS?MainPage=x>). Individuals and municipalities are not required to provide any proof of identity.

FEE: Pay by credit card at the [Payment Portal](#). The Permit-by-Rule fee may be found here <https://www.maine.gov/dep/feeschedule.pdf> and is currently \$256.

- Attach** payment confirmation from the Payment Portal when filing this notification form.

Signature & Certification:

- I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules.
- I understand that this PBR becomes effective 14 calendar days after receipt by the Department of this completed form, the required submissions, and fee, *unless the Department approves or denies the PBR prior to that date.*

By signing this Notification Form, I represent that the project meets all applicability requirements and standards in Chapter 305 rule and that the applicant has sufficient title, right, or interest in the property where the activity takes place.

Signature of Agent or Applicant (may be typed):

Date:

Keep a copy as a record of permit. Email this completed form with attachments to DEP at: DEP.PBRNotification@maine.gov
 DEP will send a copy to the Town Office as evidence of DEP's receipt of notification. No further authorization will be issued by DEP after receipt of notice. A PBR is valid for two years, except Section 4, "Replacement of Structures," are valid for three years. **Work carried out in violation of the Natural Resources Protection Act or any provision in Chapter 305 is subject to enforcement.**

ATTACHMENT 1: CORPORATE STANDING DOCUMENTATION

State of Maine



Department of the Secretary of State

I, the Secretary of State of Maine, certify that according to the provisions of the Constitution and Laws of the State of Maine, the Department of the Secretary of State is the legal custodian of the Great Seal of the State of Maine which is hereunto affixed and of the reports of qualification of foreign limited liability companies in this State and annual reports filed by the same.

I further certify that DOWNEAST WIND, LLC, a DELAWARE limited liability company, is a duly qualified foreign limited liability company under the laws of the State of Maine and that the application for authority to transact business in this State was filed on October 15, 2013.

I further certify that said foreign limited liability company has filed annual reports due to this Department, and that no action is now pending by or on behalf of the State of Maine to forfeit the authority to transact business in this State and that according to the records in the Department of the Secretary of State, said foreign limited liability company is a legally existing limited liability company in good standing under the laws of the State of Maine at the present time.

In testimony whereof, I have caused the Great Seal of the State of Maine to be hereunto affixed. Given under my hand at Augusta, Maine, this fifteenth day of February 2021.

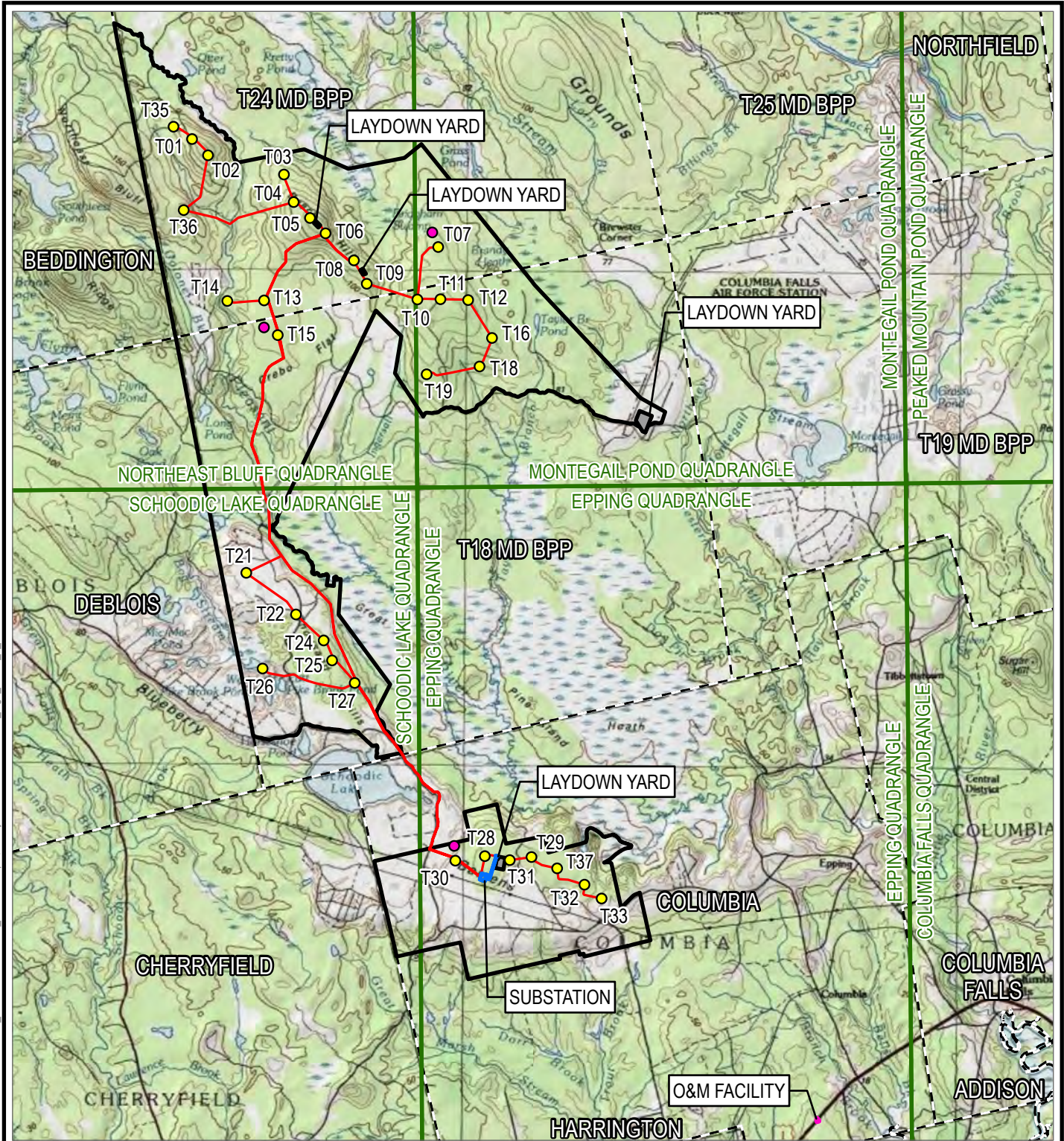


Shenna Bellows

Shenna Bellows
Secretary of State

ATTACHMENT 2: LOCATION FIGURE

Coordinate System: NAD 1983 StatePlane Maine East FIPS 1801 Feet; Map Rotation: 0
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- PROPOSED MET TOWER LOCATION
- TURBINE LOCATION
- COLLECTION LINE
- LAYDOWN YARD
- O&M FACILITY
- SUBSTATION
- PROJECT BOUNDARY
- TOWN BOUNDARY
- USGS 7.5 MINUTE QUADRANGLE MAP BOUNDARY

BASE MAP: USA TOPOGRAPHIC MAP
 DATA SOURCES: ESRI, ME GIS, TRC, USGS

0 4,750 9,500
 FEET
 1:114,000 1" = 9,500'

PROJECT: DOWNEAST WIND WASHINGTON COUNTY, MAINE	
TITLE: USGS SITE LOCATION MAP	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 2 FIGURE 1-1
APPROVED BY: D. VALLEAU	
DATE: MARCH 2021	249 WESTERN AVE AUGUSTA, ME 04330 PHONE: 207-620-3886
FILE:	APEX_Downeast





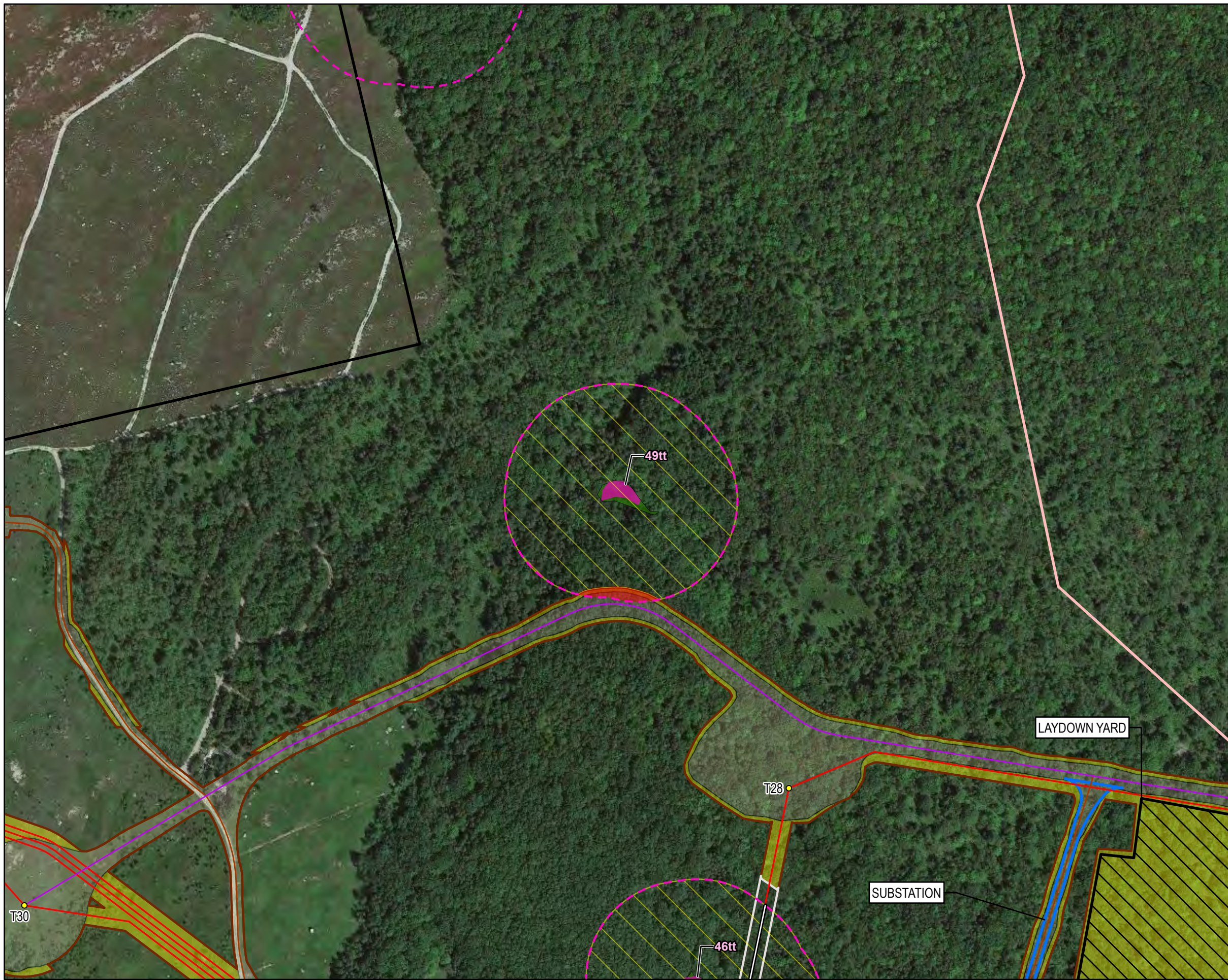
ATTACHMENT 3: PROJECT IMPACT TABLE



Impacts to CTH in the Town of Columbia							
Resource ID	Associated Resource	Location (Lat. – Long.)	Impact Type	Clearing Impact sq ft	Clearing Impact acres	Permanent Impact sq ft	Permanent Impact acres
Vernal Pool Upland CTH	49tt	44.684771, -67.860097	Crane Path	1,976	0.045	2,600	0.060
Total				1,976	0.045	2,600	0.060

ATTACHMENT 4: DEVELOPMENT PLAN FOR IMPACTED RESOURCES

Coordinate System: NAD 1983 StatePlane Maine East FIPS 1801 Feet; Map Rotation: 0
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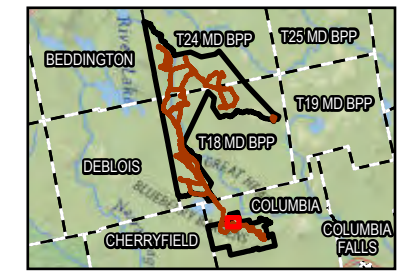


- TURBINE LOCATION
- BORE LINE
- ACCESS ROAD CENTERLINE
- CRANE PATH CENTERLINE
- COLLECTION LINE
- BORE SECTION WITH NO ACCESS, NO CLEARING
- LIMITS OF CONSTRUCTION WORKSPACE
- LAYDOWN YARD
- SUBSTATION
- SURVEY AREA
- SIGNIFICANT VERNAL POOL
- PFO WETLAND
- PSVP AND SVP 250' BUFFER
- CONTIGUOUS HABITAT
- NON-CONTIGUOUS HABITAT
- TOWN BOUNDARY

BASE MAP: GOOGLE IMAGERY
 DATA SOURCES: ESRI, MEDEP, ME GIS, NRPA, STANTEC, TRC, USGS



1:3,000
 1" = 250'



LAYDOWN YARD

SUBSTATION

T30

T28

46tt

49tt

PROJECT: DOWNEAST WIND WASHINGTON COUNTY, MAINE	
TITLE: VERNAL POOL MAPS COLUMBIA	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 4 FIGURE 1-1 PAGE 1 OF 1
APPROVED BY: D. VALLEAU	
DATE: APRIL 2021	
249 WESTERN AVE AUGUSTA, ME 04330 PHONE: 207-620-3886	
FILE:	APEX_Downeast

ATTACHMENT 5: GROUND PHOTOS

Columbia

Attachment 5: CTH Photographic Log



Photo 1. Photograph of SVP 49tt.



Photo 2. Photograph of SVP 49tt.



Photo 3. Photograph of SVP 49tt.



Photo 4. Photograph of SVP 49tt.



T18 MD BPP PBR

DEPARTMENT OF ENVIRONMENTAL PROTECTION
PERMIT BY RULE NOTIFICATION FORM

(For use with DEP Regulation, Natural Resources Protection Act - Permit by Rule Standards, Chapter 305)

APPLICANT INFORMATION (Owner)				AGENT INFORMATION (If Applying on Behalf of Owner)			
Name:				Name:			
Mailing Address:				Mailing Address:			
Mailing Address:				Mailing Address:			
Town/State/Zip:				Town/State/Zip:			
Daytime Phone #:		Ext:		Daytime Phone #:		Ext:	
Email Address:				Email Address:			
PROJECT INFORMATION							
Part of a larger project? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	After the Fact? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Project involves work below mean low water? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name of waterbody:	
Project Town:	T18 MD BPP	Town Email Address:	n/a			Map and Lot Number:	n/a
Brief Project Description:							
Project Location & Brief Directions to Site:							

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- | | | |
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Signature & Certification:

- I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules.
- I understand that this PBR becomes effective 14 calendar days after receipt by the Department of this completed form, the required submissions, and fee, *unless the Department approves or denies the PBR prior to that date.*

By signing this Notification Form, I represent that the project meets all applicability requirements and standards in Chapter 305 rule and that the applicant has sufficient title, right, or interest in the property where the activity takes place.

Signature of Agent or Applicant (may be typed):		Date:	
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Keep a copy as a record of permit. Email this completed form with attachments to DEP at: DEP.PBRNotification@maine.gov
 DEP will send a copy to the Town Office as evidence of DEP's receipt of notification. No further authorization will be issued by DEP after receipt of notice. A PBR is valid for two years, except Section 4, "Replacement of Structures," are valid for three years. **Work carried out in violation of the Natural Resources Protection Act or any provision in Chapter 305 is subject to enforcement.**

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Department of the Secretary of State

I, the Secretary of State of Maine, certify that according to the provisions of the Constitution and Laws of the State of Maine, the Department of the Secretary of State is the legal custodian of the Great Seal of the State of Maine which is hereunto affixed and of the reports of qualification of foreign limited liability companies in this State and annual reports filed by the same.

I further certify that DOWNEAST WIND, LLC, a DELAWARE limited liability company, is a duly qualified foreign limited liability company under the laws of the State of Maine and that the application for authority to transact business in this State was filed on October 15, 2013.

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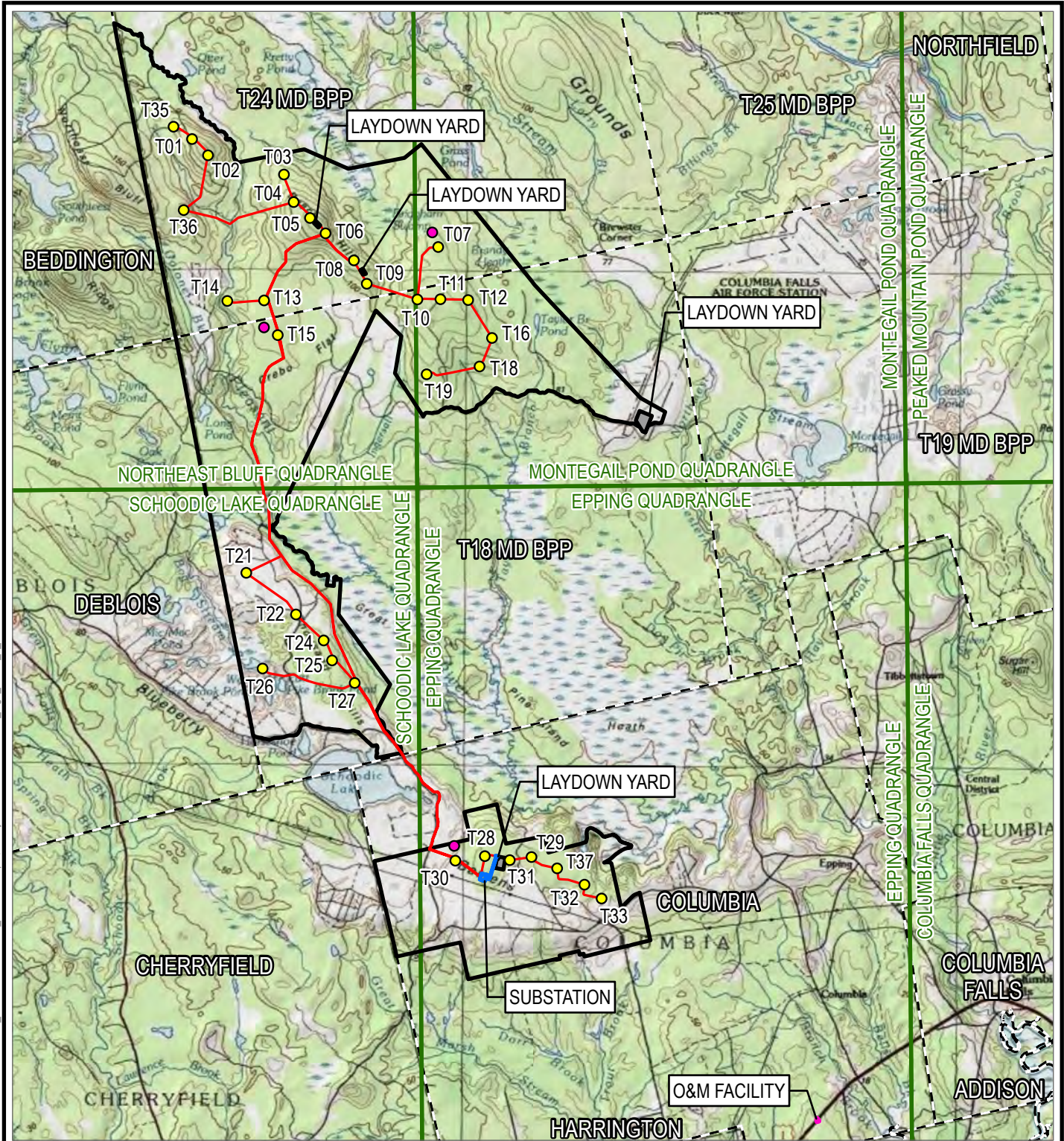


Shenna Bellows

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Secretary of State

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Coordinate System: NAD 1983 StatePlane Maine East FIPS 1801 Feet; Map Rotation: 0
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- PROPOSED MET TOWER LOCATION
- TURBINE LOCATION
- COLLECTION LINE
- LAYDOWN YARD
- O&M FACILITY
- SUBSTATION
- PROJECT BOUNDARY
- TOWN BOUNDARY
- USGS 7.5 MINUTE QUADRANGLE MAP BOUNDARY

BASE MAP: USA TOPOGRAPHIC MAP
 DATA SOURCES: ESRI, ME GIS, TRC, USGS

0 4,750 9,500
 FEET
 1:114,000 1" = 9,500'

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TITLE: USGS SITE LOCATION MAP	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 2 FIGURE 1-1
APPROVED BY: D. VALLEAU	
DATE: MARCH 2021	249 WESTERN AVE AUGUSTA, ME 04330 PHONE: 207-620-3886
FILE:	APEX_Downeast



ATTACHMENT 3: PROJECT IMPACT TABLE

Impacts to CTH in T18 MD BPP

Resource ID	Associated Resource	Location (Lat. – Long.)	Impact Type	Clearing Impact sq ft	Clearing Impact acres	Permanent Impact sq ft	Permanent Impact acres
Vernal Pool Upland CTH	18jl & 19jl	44.72608, -67.90707	Crane Path	3,726	0.086	22,234	0.510
Vernal Pool Upland CTH	V-RJ-190430-08	44.77807, -67.869632	Crane Path	8,773	0.201	21,973	0.504
Total				12,499	0.287	44,207	1.014

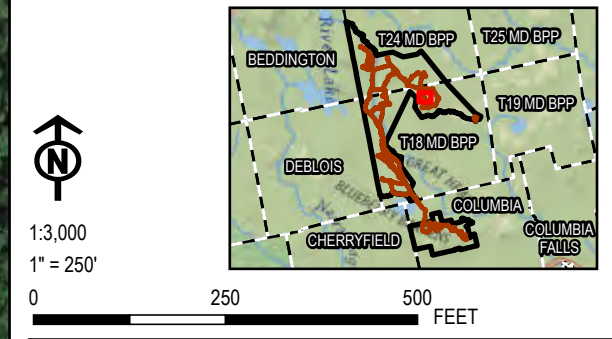
ATTACHMENT 4: DEVELOPMENT PLAN FOR IMPACTED RESOURCES

Coordinate System: NAD 1983 StatePlane Maine East FIPS 1801 Feet; Map Rotation: 0
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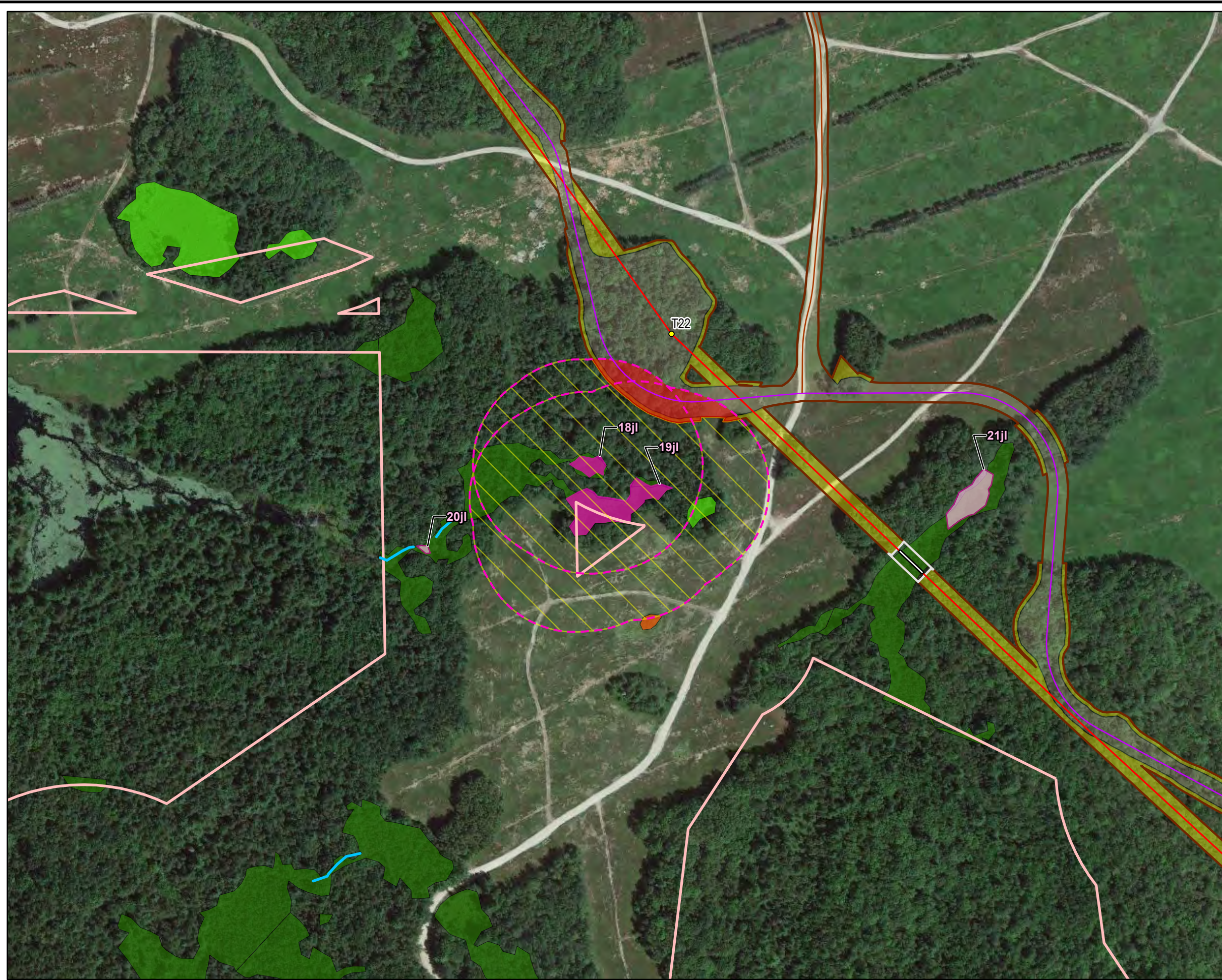
- CRANE PATH CENTERLINE
- LIMITS OF CONSTRUCTION WORKSPACE
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- SIGNIFICANT VERNAL POOL
- PFO WETLAND
- PSS WETLAND
- PSVP AND SVP 250' BUFFER
- CONTIGUOUS HABITAT
- NON-CONTIGUOUS HABITAT
- TOWN BOUNDARY

BASE MAP: GOOGLE IMAGERY
 DATA SOURCES: ESRI, MEDEP, ME GIS, NRPA, STANTEC, TRC, USGS



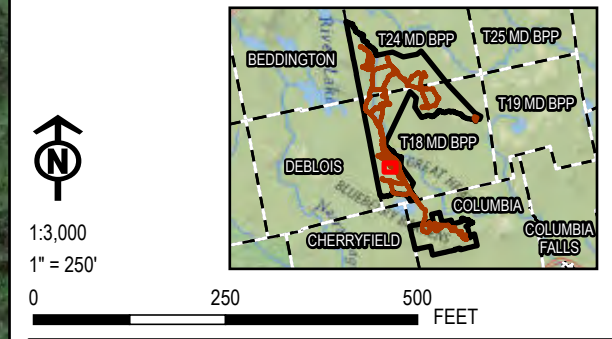
PROJECT: DOWNEAST WIND WASHINGTON COUNTY, MAINE	
TITLE: VERNAL POOL MAPS T18 MD BPP	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 4 FIGURE 1-1 PAGE 1 OF 2
APPROVED BY: D. VALLEAU	
DATE: APRIL 2021	
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- TURBINE LOCATION
- BORE LINE
- ACCESS ROAD CENTERLINE
- CRANE PATH CENTERLINE
- COLLECTION LINE
- BORE SECTION WITH NO ACCESS, NO CLEARING
- LIMITS OF CONSTRUCTION WORKSPACE
- SURVEY AREA
- INTERMITTENT STREAM
- VERNAL POOL
- SIGNIFICANT VERNAL POOL
- PEM WETLAND
- PFO WETLAND
- PSS WETLAND
- PSVP AND SVP 250' BUFFER
- CONTIGUOUS HABITAT
- NON-CONTIGUOUS HABITAT
- TOWN BOUNDARY

BASE MAP: GOOGLE IMAGERY
 DATA SOURCES: ESRI, MEDEP, ME GIS, NRPA, STANTEC, TRC, USGS



1:3,000
 1" = 250'
 0 250 500 FEET

PROJECT: DOWNEAST WIND WASHINGTON COUNTY, MAINE	
TITLE: VERNAL POOL MAPS T18 MD BPP	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 4
APPROVED BY: D. VALLEAU	FIGURE 1-1
DATE: APRIL 2021	PAGE 2 OF 2
249 WESTERN AVE AUGUSTA, ME 04330 PHONE: 207-620-3886	
FILE:	APEX_Downeast

ATTACHMENT 5: GROUND PHOTOS

T18 MD BPP

Attachment 5: CTH Photographic Log



Photo 1. Representative photo of upland near 18jl/19jl CTH.



Photo 2. Representative photo of upland near 18jl/19jl CTH.



Photo 3. Representative photo of upland near 18jl/19jl CTH.



Photo 4. Representative photo of upland near V-RJ-190430-08 CTH.



Photo 5. Representative photo of upland near V-RJ-190430-08 CTH.



Photo 6. Representative photo of upland near V-RJ-190430-08 CTH.



T24 MD BPP PBR

DEPARTMENT OF ENVIRONMENTAL PROTECTION
PERMIT BY RULE NOTIFICATION FORM

(For use with DEP Regulation, Natural Resources Protection Act - Permit by Rule Standards, Chapter 305)

APPLICANT INFORMATION (Owner)				AGENT INFORMATION (If Applying on Behalf of Owner)			
Name:				Name:			
Mailing Address:				Mailing Address:			
Mailing Address:				Mailing Address:			
Town/State/Zip:				Town/State/Zip:			
Daytime Phone #:		Ext:		Daytime Phone #:		Ext:	
Email Address:				Email Address:			
PROJECT INFORMATION							
Part of a larger project? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	After the Fact? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Project involves work below mean low water? (check 1):	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name of waterbody:	
Project Town:	T24 MD BPP	Town Email Address:	n/a			Map and Lot Number:	n/a
Brief Project Description:							
Project Location & Brief Directions to Site:							

PERMIT BY RULE (PBR) SECTIONS (Check at least one): I am filing notice of my intent to carry out work that meets the requirements for Permit-by-Rule (PBR) under DEP Rules, [Chapter 305](#). I and my agent(s), if any, have read and will comply with all of the standards in the Sections checked below.

- | | | |
|---|--|---|
| <input type="checkbox"/> Sec. (2) Act. Adj. to Prot. Natural Res. | <input type="checkbox"/> Sec. (9) Utility Crossing | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects |
| <input type="checkbox"/> Sec. (3) Intake Pipes | <input type="checkbox"/> Sec. (10) Stream Crossing | <input type="checkbox"/> Sec. (17) Transfer/Permit Extension |
| <input type="checkbox"/> Sec. (4) Replacement of Structures | <input type="checkbox"/> Sec. (11) State Transportation Facilities | <input type="checkbox"/> Sec. (18) Maintenance Dredging |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Veg. | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas | <input type="checkbox"/> Sec. (19) Act. Near SVP Habitat |
| <input type="checkbox"/> Sec. (7) Outfall Pipes | <input type="checkbox"/> Sec. (13) F&W Creat./Water Qual. Improv. | <input type="checkbox"/> Sec. (20) Act. Near Waterfowl/Bird Habitat |
| <input type="checkbox"/> Sec. (8) Shoreline Stabilization | <input type="checkbox"/> Sec. (15) Public Boat Ramps | |

NOTE: Municipal permits also may be required. Contact your local code enforcement office for information. Federal permits may be required for stream crossings and for projects involving wetland fill. Contact the Army Corps of Engineers at the Maine Project Office for information.

NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS AND FEE

- Attach** all required submissions for the PBR Section(s) checked above. The required submissions for each PBR Section are outlined in Chapter 305 and may differ depending on the Section you are submitting under.
- Attach** a location map that clearly identifies the site (U.S.G.S. topo map, Maine Atlas & Gazetteer, or similar).
- Attach** Proof of Legal Name if applicant is a corporation, LLC, or other legal entity. Provide a copy of Secretary of State's registration information (available at <http://icrs.informe.org/nei-sos-icrs/ICRS?MainPage=x>). Individuals and municipalities are not required to provide any proof of identity.

FEE: Pay by credit card at the [Payment Portal](#). The Permit-by-Rule fee may be found here <https://www.maine.gov/dep/feeschedule.pdf> and is currently \$256.

- Attach** payment confirmation from the Payment Portal when filing this notification form.

Signature & Certification:

- I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules.
- I understand that this PBR becomes effective 14 calendar days after receipt by the Department of this completed form, the required submissions, and fee, *unless the Department approves or denies the PBR prior to that date.*

By signing this Notification Form, I represent that the project meets all applicability requirements and standards in Chapter 305 rule and that the applicant has sufficient title, right, or interest in the property where the activity takes place.

Signature of Agent or Applicant (may be typed):		Date:	
---	--	-------	--

Keep a copy as a record of permit. Email this completed form with attachments to DEP at: DEP.PBRNotification@maine.gov
 DEP will send a copy to the Town Office as evidence of DEP's receipt of notification. No further authorization will be issued by DEP after receipt of notice. A PBR is valid for two years, except Section 4, "Replacement of Structures," are valid for three years. **Work carried out in violation of the Natural Resources Protection Act or any provision in Chapter 305 is subject to enforcement.**

ATTACHMENT 1: CORPORATE STANDING DOCUMENTATION

State of Maine



Department of the Secretary of State

I, the Secretary of State of Maine, certify that according to the provisions of the Constitution and Laws of the State of Maine, the Department of the Secretary of State is the legal custodian of the Great Seal of the State of Maine which is hereunto affixed and of the reports of qualification of foreign limited liability companies in this State and annual reports filed by the same.

I further certify that DOWNEAST WIND, LLC, a DELAWARE limited liability company, is a duly qualified foreign limited liability company under the laws of the State of Maine and that the application for authority to transact business in this State was filed on October 15, 2013.

I further certify that said foreign limited liability company has filed annual reports due to this Department, and that no action is now pending by or on behalf of the State of Maine to forfeit the authority to transact business in this State and that according to the records in the Department of the Secretary of State, said foreign limited liability company is a legally existing limited liability company in good standing under the laws of the State of Maine at the present time.

In testimony whereof, I have caused the Great Seal of the State of Maine to be hereunto affixed. Given under my hand at Augusta, Maine, this fifteenth day of February 2021.

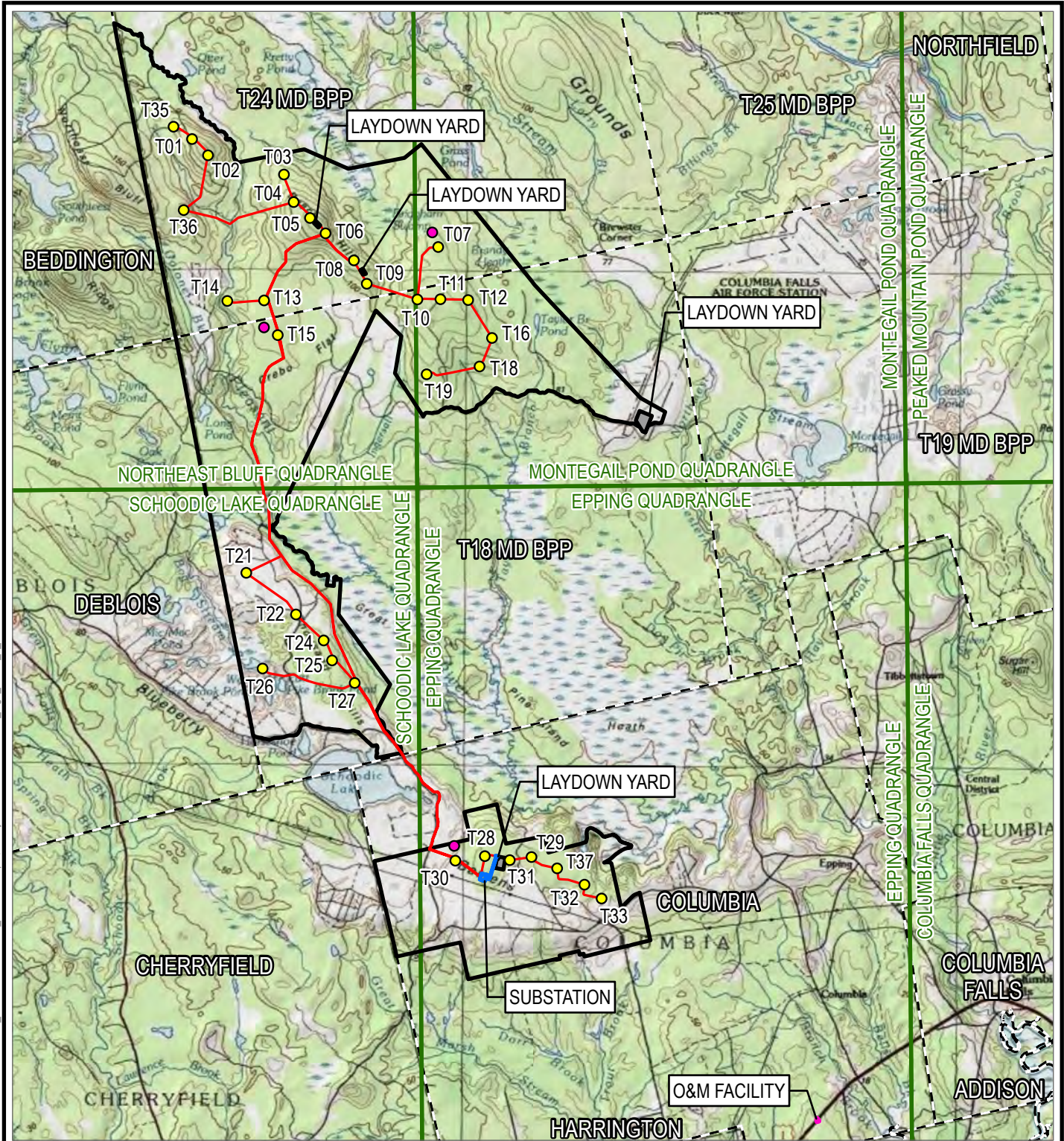


Shenna Bellows

Shenna Bellows
Secretary of State

ATTACHMENT 2: LOCATION FIGURE

Coordinate System: NAD 1983 StatePlane Maine East FIPS 1801 Feet; Map Rotation: 0
 - Saved By: PJACQUES on 3/25/2021, 10:29:52 AM; File Path: S:\1-PROJECTS\APEX\Downeast; Layout Name: Attachment2_Fig1_USGS_8_5x11P



- PROPOSED MET TOWER LOCATION
- TURBINE LOCATION
- COLLECTION LINE
- LAYDOWN YARD
- O&M FACILITY
- SUBSTATION
- PROJECT BOUNDARY
- TOWN BOUNDARY
- USGS 7.5 MINUTE QUADRANGLE MAP BOUNDARY

BASE MAP: USA TOPOGRAPHIC MAP
 DATA SOURCES: ESRI, ME GIS, TRC, USGS

0 4,750 9,500
 FEET
 1:114,000 1" = 9,500'

PROJECT: DOWNEAST WIND WASHINGTON COUNTY, MAINE	
TITLE: USGS SITE LOCATION MAP	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 2 FIGURE 1-1
APPROVED BY: D. VALLEAU	
DATE: MARCH 2021	249 WESTERN AVE AUGUSTA, ME 04330 PHONE: 207-620-3886
FILE:	APEX_Downeast



ATTACHMENT 3: PROJECT IMPACT TABLE



Impacts to CTH in T24 MD BPP							
Resource ID	Associated Resource	Location (Lat. – Long.)	Impact Type	Clearing Impact sq ft	Clearing Impact acres	Permanent Impact sq ft	Permanent Impact acres
Vernal Pool Upland CTH	V-DBV-02	44.793435, -67.905617	Collection	7,946	0.182	0	0
Total				7,946	0.182	0	0

ATTACHMENT 4: DEVELOPMENT PLAN FOR IMPACTED RESOURCES

Coordinate System: NAD 1983 StatePlane Maine East FIPS 1801 Feet; Map Rotation: 0
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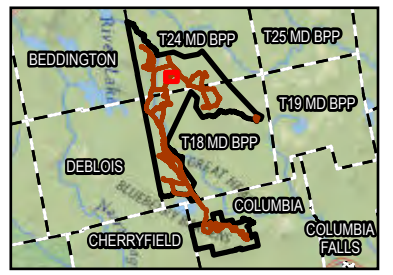


- BORE LINE
- CRANE PATH CENTERLINE
- COLLECTION LINE
- BORE SECTION WITH NO ACCESS, NO CLEARING
- LIMITS OF CONSTRUCTION WORKSPACE
- SURVEY AREA
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- PERENNIAL STREAM
- POTENTIAL SIGNIFICANT VERNAL POOL
- PFO WETLAND
- PSVP AND SVP 250' BUFFER
- CONTIGUOUS HABITAT
- NON-CONTIGUOUS HABITAT
- TOWN BOUNDARY

BASE MAP: GOOGLE IMAGERY
 DATA SOURCES: ESRI, MEDEP, ME GIS, NRPA, STANTEC, TRC, USGS



1:3,000
 1" = 250'



PROJECT: DOWNEAST WIND WASHINGTON COUNTY, MAINE	
TITLE: VERNAL POOL MAPS T24 MD BPP	
DRAWN BY: P. JACQUES	PROJ. NO.: 325066.PERM.0000
CHECKED BY: R. JACKSON	ATTACHMENT 4 FIGURE 1-1 PAGE 1 OF 1
APPROVED BY: D. VALLEAU	
DATE: APRIL 2021	
249 WESTERN AVE AUGUSTA, ME 04330 PHONE: 207-620-3886	
FILE:	APEX_Downeast

ATTACHMENT 5: GROUND PHOTOS

T24 MD BPP

Attachment 5: CTH Photographic Log



Photo 1. Representative photo of upland near V-DBV-02 CTH.



Photo 2. Representative photo of upland near V-DBV-02 CTH.



Photo 3. Representative photo of upland near V-DBV-02 CTH.



EXHIBIT 1-2: IFP CIVIL DRAWING SET

PERMIT DESIGN SUBMITTAL

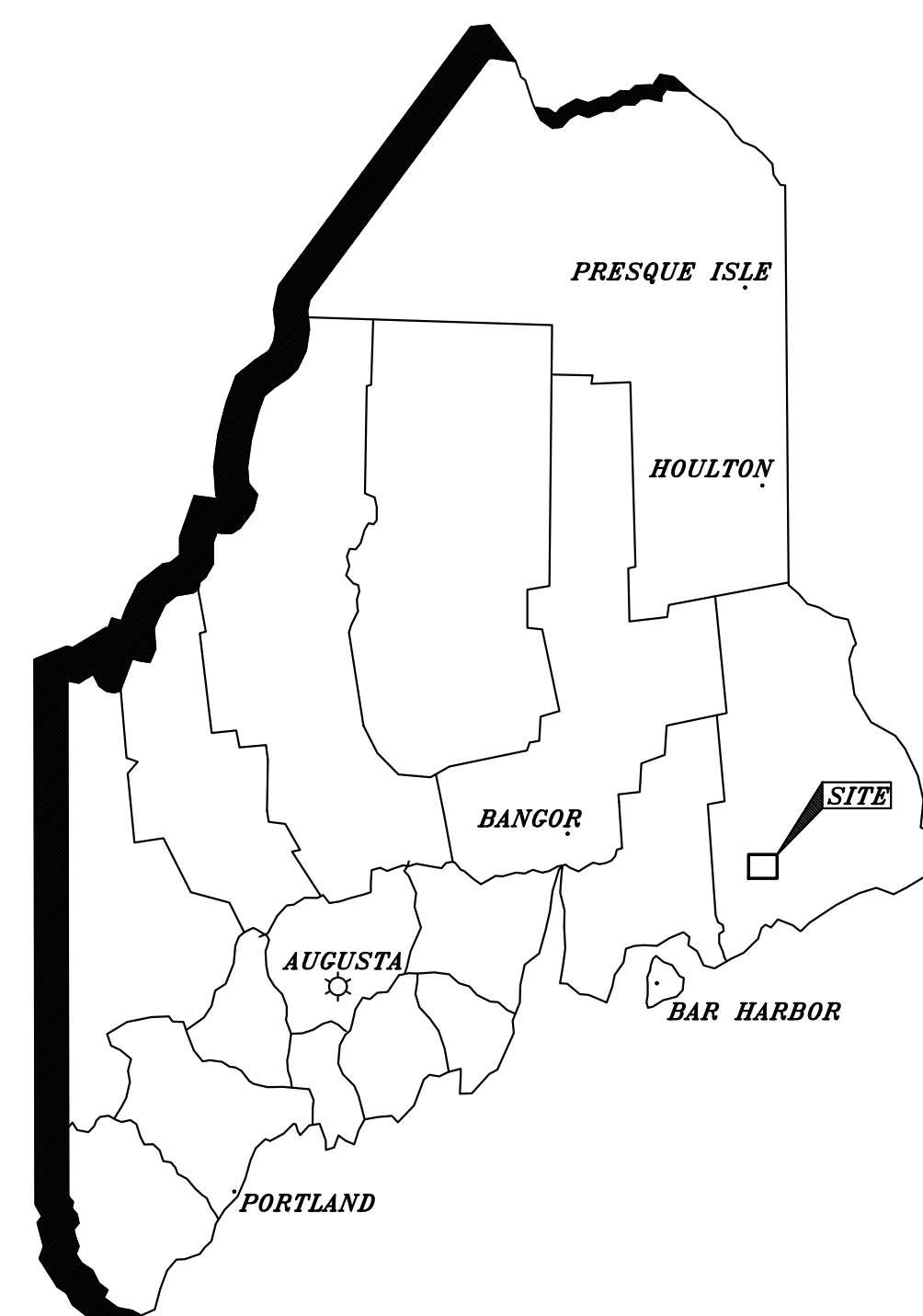
DOWNEAST WIND FARM

COLUMBIA, T18 MD BPP, & T24MD BPP,
WASHINGTON COUNTY, MAINE

PREPARED FOR APEX CLEAN ENERGY, INC.

113.20.01

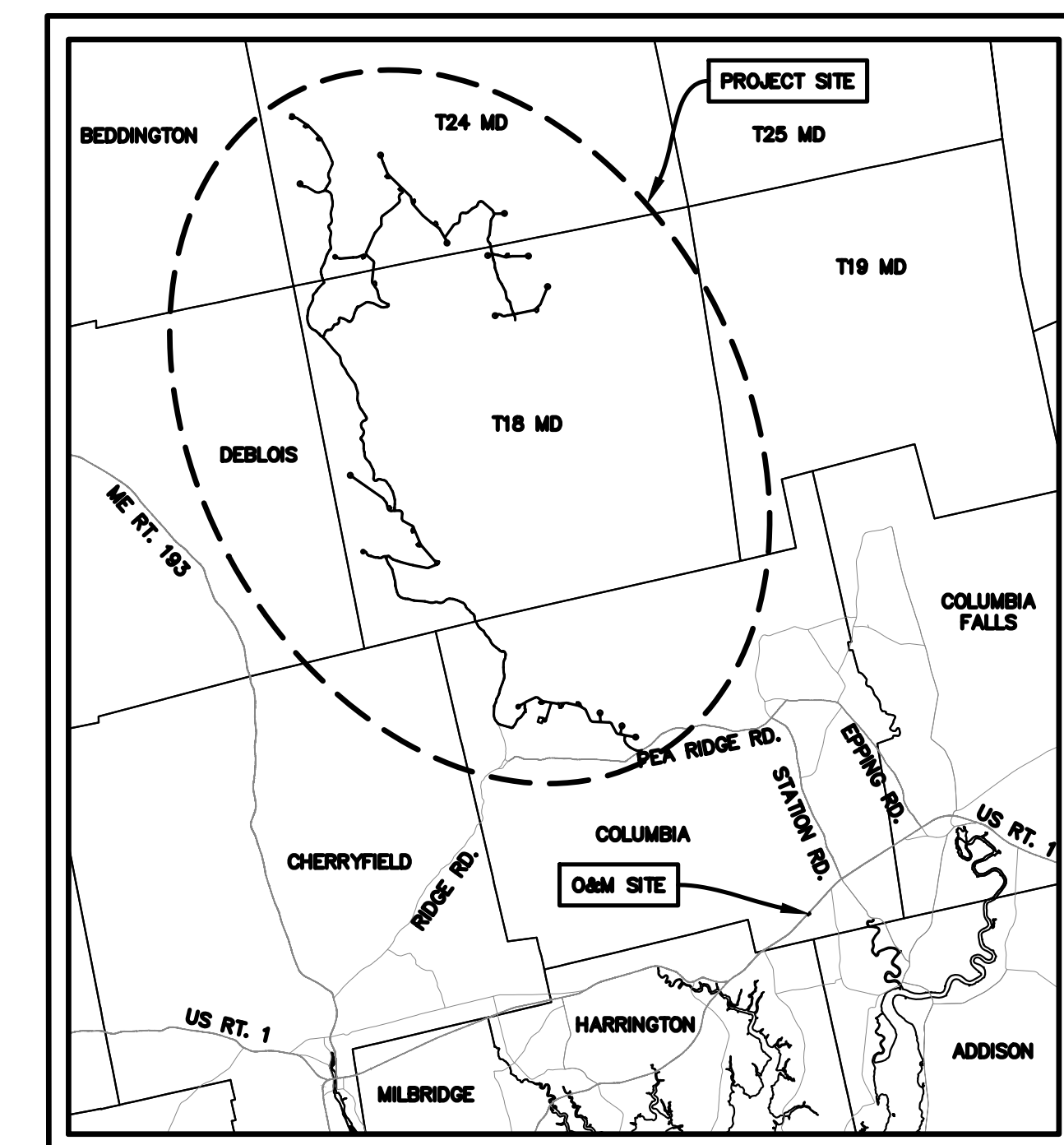
MARCH 19, 2021



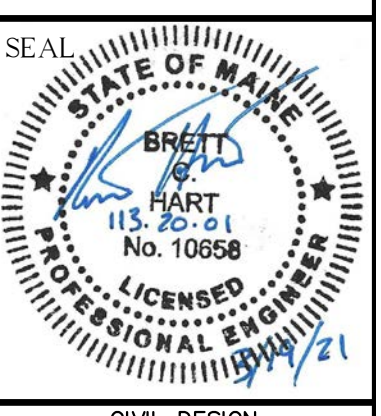
LOCUS MAP

SHEET INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1.0	INDEX
2.1-2.5	DETAILS
7.1	LAYDOWN AREA
8.1-8.2	MET TOWERS
9.1	SUBSTATION
9.2	OPERATIONS & MAINTENANCE BUILDING
9.3	OPERATIONS & MAINTENANCE BUILDING PRE DEVELOPMENT
9.4	OPERATIONS & MAINTENANCE BUILDING POST DEVELOPMENT
9.5	OPERATIONS & MAINTENANCE BUILDING WATER QUALITY
10.1-27.2	PLAN AND PROFILE SHEETS
28.1-28.8	ELECTRICAL PLAN SHEETS

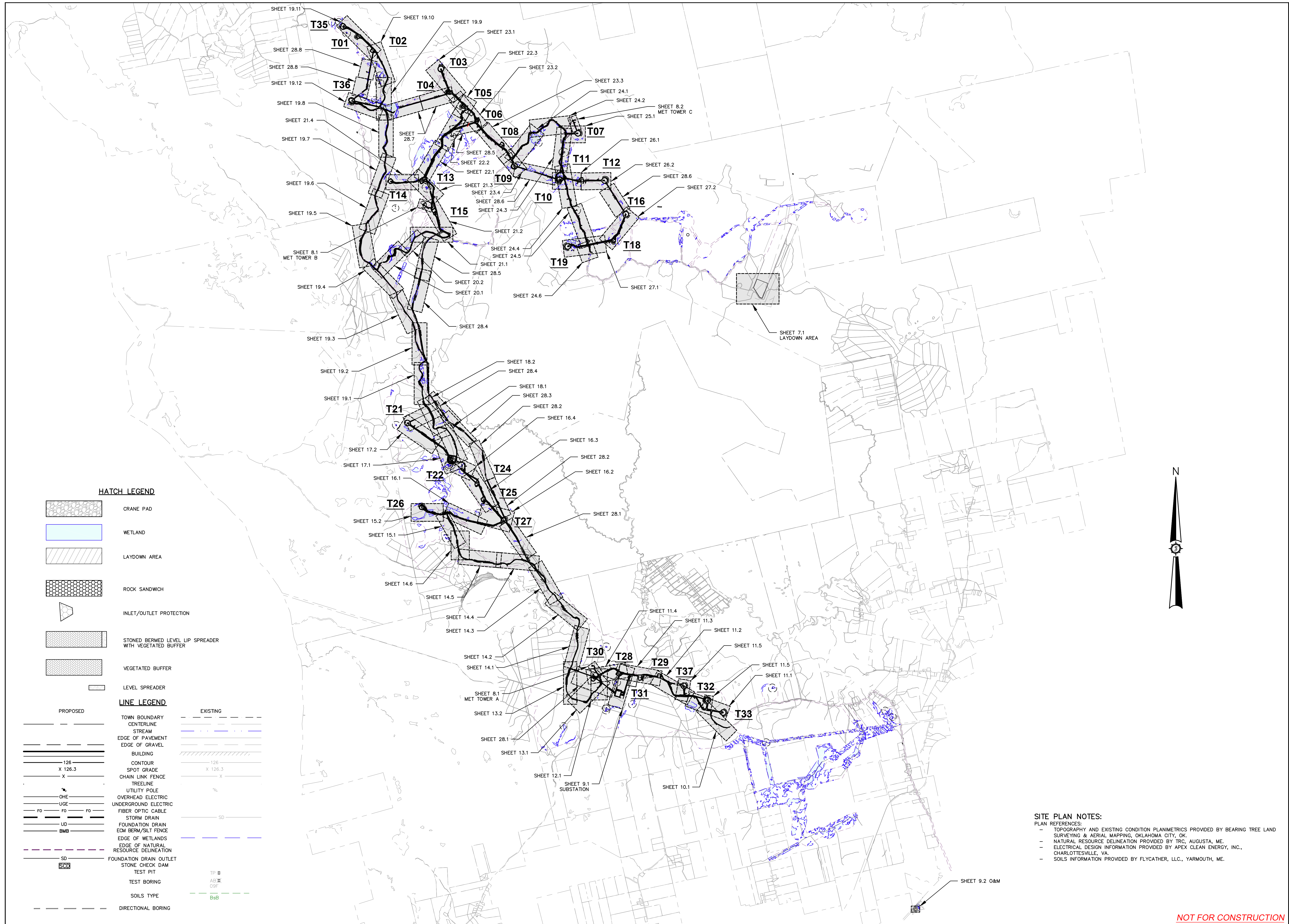


VICINITY MAP



NOT FOR CONSTRUCTION

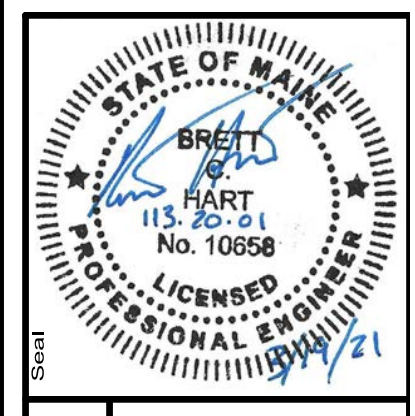
CIVIL DESIGN



Rev. #	Prop. By	Description	Date

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: CHARLOTTESVILLE, VA
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: **INDEX**

Designed By: BCH
 Drawn By: MTFB
 Date: 03/19/2021
 Scale:
 Approved: BCH
 Checked: JSM



113.20.01

Sewal ENGINEERING
 SURVEYING
 The evolution of expertise
 www.sewal.com
 1 800 648 4202

Phase: **PERMIT**
 Sheet No.: **1**

SITE PLAN NOTES:
 PLAN REFERENCES:
 - TOPOGRAPHY AND EXISTING CONDITION PLANIMETRICS PROVIDED BY BEARING TREE LAND SURVEYING & AERIAL MAPPING, OKLAHOMA CITY, OK.
 - NATURAL RESOURCE DELINEATION PROVIDED BY TRC, AUGUSTA, ME.
 - ELECTRICAL DESIGN INFORMATION PROVIDED BY APEX CLEAN ENERGY, INC., CHARLOTTESVILLE, VA.
 - SOILS INFORMATION PROVIDED BY FLYCATER, LLC., YARMOUTH, ME.

NOT FOR CONSTRUCTION

GENERAL NOTES & CONSTRUCTION SPECIFICATIONS

- EVERY WEEK AND AFTER PRECIPITATION PRODUCING THE EQUIVALENT OF ONE-HALF INCH OF RAINFALL, THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REMOVAL OF SEDIMENT FROM SILT FENCES IF SOIL ACCUMULATES TO A DEPTH OF ONE-HALF THE FABRIC HEIGHT AND REMOVAL OF EXCESS ACCUMULATED SEDIMENT FROM DETENTION BASINS (IF APPLICABLE).
- ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH "MAINE EROSION & SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS" BY MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES, INCLUDING MATERIALS, CONSTRUCTION, MAINTENANCE AND REMOVAL.
- SEE DETAILS FOR SLOPE STABILIZATION OPTIONS.
- CONTRACTOR SHALL ADJUST CULVERT INVERT ELEVATIONS AND DITCHLINE AS NECESSARY TO PROVIDE APPROPRIATE COVER AND POSITIVE DRAINAGE.

CONSTRUCTION SEQUENCE & PHASING NOTES

CLEARING OF VEGETATION AND STOCKPILING OF TOPSOIL

- INSTALL EROSION CONTROL MEASURES PRIOR TO SOIL DISTURBANCE.
- FLAG & MARK CLEARING LIMITS OF ACCESS ROADS, CRANE PATHS, & COLLECTION LINES, WITH THE OTHER CONSTRUCTION AREAS TO FOLLOW.
- STUMPS TO BE REMOVED FROM LOCATIONS WHERE STRUCTURES (I.E., ROADS, TURBINES, SUBSTATION, O&M BUILDING, STORMWATER MANAGEMENT SYSTEMS, ETC.) ARE TO BE INSTALLED/CONSTRUCTED. STUMPS TO BE BURIED IN PLACE OR GROUND ON-SITE AND USED AS AN EROSION PREVENTION AND SEDIMENT CONTROL (EPSO) MEASURE BY THE CONTRACTOR.
- CLEARING AND TEMPORARY EARTHWORK WILL BE PERMITTED BEYOND CLEARING/EARTHWORK LIMITS SHOWN ON THE DESIGN TO PROVIDE APPROPRIATE COMPONENT DELIVERY CLEARANCES. CLEARING WILL ALSO BE PERMITTED BEYOND DEPICTED CLEARING LIMITS, AS NEEDED, TO FACILITATE INSTALLATION OF UNDERGROUND COLLECTOR LINE ALONG THE ROADSIDE OF NARROW ROADS. CONTRACTOR SHALL MINIMIZE DISTURBANCE OUTSIDE FLAGGED CLEARING LIMITS TO SMALLEST EXTENT PRACTICABLE AND SHALL AVOID PROTECTED NATURAL RESOURCES, UNLESS OTHERWISE NOTED.
- ADDITIONAL CLEARING ADJACENT TO PROPOSED DEVELOPMENT MAY BE REQUIRED IN LOCATIONS WHERE NEW GROWING HAS ESTABLISHED SINCE PROJECT MAPPING WAS COMPLETED OR TO REMOVE DANGER TREES.
- LOW GROWING VEGETATION TO REMAIN, WHERE FEASIBLE, TO PROVIDE SOIL STABILITY.
- EXISTING TOPSOIL IN AREAS OF DEVELOPMENT TO BE STOCKPILED ON-SITE FOR USE IN FINAL STABILIZATION OF TURBINE CLEARINGS, LAY DOWN AREAS, ETC.
- MULTIPLE LAYERS OF SEDIMENTATION PROTECTION SHALL BE INSTALLED AROUND TOPSOIL STOCKPILES TO PROTECT DOWN STREAM RESOURCES.

CONSTRUCTION OF ACCESS ROADS, CRANE PATHS, & LAY DOWN/STAGING AREAS

- MINOR GRADING CHANGES INCLUDING VERTICAL AND HORIZONTAL ADJUSTMENTS MAY BE NECESSARY, DEPENDING ON FIELD CONDITIONS. CONTRACTOR MAY MODIFY HORIZONTAL AND VERTICAL ADJUSTMENTS TO ROADWAY ALIGNMENT IN ORDER TO OPTIMIZE EARTHWORK BALANCING. THESE MODIFICATIONS SHALL NOT INCREASE THE TOTAL PROJECT FOOTPRINT OR INTENT OF STORMWATER DRAINAGE DESIGN. IN ADDITION, THESE MODIFICATIONS SHALL IN NO WAY HINDER DELIVERY OR CONVEYABILITY OF PROJECT MATERIALS. IN GENERAL, CONTRACTOR SHALL RECORD ALL MODIFICATIONS FOR INCLUSION IN PROJECT AS-BUILT DRAWINGS.
- MINOR ADJUSTMENTS TO ROADWAY GRADES AND CULVERT ELEVATIONS MAY BE MADE TO ENSURE PROPER COVER OVER CULVERTS AND TO PROVIDE PROPER DRAINAGE. CLEARING AND MINOR EARTHWORK OUTSIDE DEPICTED CLEARING/GRADING LIMITS MAY BE REQUIRED.
- CONSTRUCTION OF ACCESS ROADS, CRANE PATHS, & LAY DOWN/STAGING AREAS WILL OCCUR IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL AT ANY ONE TIME (INCLUSIVE OF ANY OTHER EXPOSED SOIL AREAS WITHIN THE DESIGNATED LIMITS OF DISTURBANCE).
- ACCESS SHALL BE MAINTAINED TO EXISTING ROADS BISECTED BY PROPOSED PROJECT ROADS, PER LANDOWNER REQUIREMENTS. CLEARING AND EARTHWORK NECESSARY TO MAINTAIN ACCESS WILL BE PERMITTED BEYOND DEPICTED CLEARING AND EARTHWORK LIMITS SHOWN ON THIS DESIGN BUT WILL AVOID PROTECTED NATURAL RESOURCES.

CONSTRUCTION OF ELECTRICAL COLLECTOR

- EARTHWORK (SUCH AS BENCHING) MAY BE REQUIRED FOR CONSTRUCTION OF COLLECTOR LINE FOR THE PURPOSE OF STABILIZING CONSTRUCTION EQUIPMENT AND GAINING ACCESS TO COLLECTOR STRUCTURES. APPROPRIATE EARTHWORK BMP'S WILL BE UTILIZED DURING THESE ACTIVITIES AND AREAS WILL BE ALLOWED TO REVEGETATE UPON COMPLETION OF CONSTRUCTION.
- CLEARING BEYOND DEPICTED CLEARING LIMITS MAY BE REQUIRED FOR INSTALLATION OF GUY ANCHORS AND REMOVAL OF DANGER TREES.

CONSTRUCTION OF PERMANENT STORMWATER MANAGEMENT SYSTEMS

- GRADING TO BE CONDUCTED IN ACCORDANCE WITH PERMITTED PERMANENT STORMWATER MANAGEMENT DESIGN.
- ONCE FINAL GRADES ARE ACHIEVED, EXPOSED SOIL SURROUNDING THE STORMWATER MANAGEMENT STRUCTURES TO BE PERMANENTLY STABILIZED.
- FINAL LOCATIONS OF STORMWATER STRUCTURES SHALL BE FIELD DETERMINED BASED UPON EXISTING TOPOGRAPHY BUT SHALL GENERALLY MEET THE INTENT OF THE STORMWATER DESIGN PLANS. CLEARING WILL BE PERMITTED BEYOND CLEARING LIMITS SHOWN ON THIS DESIGN TO ALLOW CONSTRUCTION OF STORMWATER MANAGEMENT SYSTEMS (SUCH AS LEVEL SPREADERS, DITCH TURNOUTS, ETC.). WHILE CONSTRUCTING STORMWATER MANAGEMENT SYSTEMS, CONTRACTOR SHALL MINIMIZE DISTURBANCE OUTSIDE FLAGGED CLEARING LIMITS TO SMALLEST EXTENT PRACTICABLE AND SHALL AVOID PROTECTED NATURAL RESOURCES.

CONSTRUCTION OF CRANE PADS

- AFTER THE SUBGRADE IS ESTABLISHED, CRANE PAD TO BE CONSTRUCTED WITH APPROPRIATE AGGREGATE MATERIAL SPREAD & COMPACTED OVER A GEOTEXTILE LINER AS NECESSARY; MINOR GRADE ADJUSTMENTS MAY BE NEEDED DEPENDENT ON FIELD CONDITIONS.
- CRANE PADS MAY BE ORIENTATED WITHIN TURBINE PADS AS DETERMINED BY FIELD CONDITIONS AND CONTRACTOR MEANS & METHODS.
- CRANE PADS TO REMAIN IN PLACE FOR FUTURE MAINTENANCE & OPERATION.
- EXPOSED SOIL SURROUNDING CRANE PADS & TURBINE FOUNDATIONS TO BE STABILIZED. (SEE DETAIL)

CLEAN-UP & FINAL STABILIZATION

- UPON COMPLETION OF CONSTRUCTION ACTIVITIES, ALL WORK AREAS TO BE CLEARED OF CONSTRUCTION DEBRIS & OTHER MATERIALS.
- SPECIFIC CLEAN-UP REQUIREMENTS TO INVOLVE: REMOVAL OF ALL TEMPORARY WORK TRAILERS; REMOVAL OF MATERIAL & EQUIPMENT; DISPOSAL OF ALL RUBBISH RESULTING FROM CLEARING, CONSTRUCTION, & INSTALLATION; ROUGH GRADING & STABILIZATION OF EMBANKMENTS MADE FOR CONSTRUCTION PURPOSES; FILLING OF ANY EXCAVATIONS; & REPAIRING RUTS IN ACCESS ROADS.
- FINAL STABILIZATION OF ALL AREAS OF DISTURBED SOIL, WHERE FINAL GRADE HAS BEEN ACHIEVED, WILL INVOLVE RESPRADING OF STOCKPILED TOPSOIL MATERIAL & SEEDING, MULCHING WITH WOODWASTE MULCH, OR APPLICATION OF OTHER APPROVED STABILIZATION METHODS. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE PROJECTS PERMITS AND PLANS.
- LAYDOWN AREAS SHALL BE ALLOWED TO REVEGETATE WITHIN ONE YEAR. CONTRACTOR SHALL REGRADE AS NECESSARY TO AVOID CONCENTRATED FLOWS.

TURBINE FOUNDATIONS

- ELEVATIONS OF TURBINE FOUNDATIONS ARE BASED ON AERIAL SURVEY. FINAL ELEVATIONS OF FOUNDATIONS MAY BE ADJUSTED IN FIELD TO ACCOMMODATE ACTUAL TERRAIN CONDITIONS AND REDUCE IMPACTS. ALL ADJUSTMENTS SHALL BE APPROVED BY OWNER PRIOR TO IMPLEMENTATION.
- FOUNDATION DRAINS MAY BE REQUIRED AT FOUNDATIONS AS SPECIFIED BY FOUNDATION CONSTRUCTION PLANS.

WINTER CONSTRUCTION NOTES

- THE WINTER CONSTRUCTION PERIOD SHALL BE FROM NOVEMBER 1 THROUGH APRIL 15.
- WHERE FEASIBLE, A MINIMUM 25'-FT BUFFER SHALL BE MAINTAINED BETWEEN SILT FENCE OR OTHER PERIMETER CONTROLS AND ROADS TO ALLOW FOR SNOW CLEARING AND MAINTENANCE.
- DRAINAGE STRUCTURES SHALL BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.
- ACCEPTABLE OVER-WINTER STABILIZATION SHALL CONSIST OF VEGETATION (MIN. 75% MATURE) MULCHING, EROSION CONTROL MIX, EROSION CONTROL MATS, RIPRAP OR GRAVEL ROAD BASE.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT REQUIRE EARTH DISTURBANCE (E.G., CONSTRUCTION FENCE AND SILT FENCE) SHALL BE INSTALLED PRIOR TO THE GROUND FREEZING. DURING FROZEN CONDITIONS, SEDIMENT BARRIERS MAY CONSIST OF EROSION CONTROL MIX BERMS.
- FROM NOVEMBER 1 TO APRIL 15, MULCH SHALL BE INSTALLED AT DOUBLE THE NORMAL RATE. NETTING OR OTHER MEANS APPROVED BY THE ENGINEER SHALL BE USED TO MINIMIZE WIND EROSION OF MULCHING.
- PRIOR TO STABILIZATION, ICE AND SNOW SHALL BE REMOVED TO LESS THAN 1-INCH.
- EXCAVATED FROZEN SOILS SHALL BE STOCKPILED IN LEVEL AREAS AND SHALL NOT BE USED UNTIL THAWED. SEE STOCKPILING NOTES.
- EXCAVATION OF SOILS IN SHALLOW GROUNDWATER AREAS SHALL BE MINIMIZED IF AT ALL POSSIBLE DURING WINTER, AND LIMITED TO ONLY THOSE AREAS THAT CAN BE STABILIZED DURING THE SAME DAY.
- TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS:
 - IF NO PRECIPITATION OR MELTING EVENT TO BE FORECAST WITHIN 24 HOURS AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS, DAILY STABILIZATION IS NOT NECESSARY.
 - DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS BUILDING FOUNDATIONS AND OPEN UTILITY TRENCHES.
- ENGINEER MAY MAKE NECESSARY ADJUSTMENTS TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN AND ASSOCIATED EROSION PREVENTION AND SEDIMENT CONTROL MEASURES (E.G., CONSTRUCTION FENCE AND SILT FENCE) TO ACCOMMODATE ANTICIPATED SNOW STORAGE AREAS.
- AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCE, IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH EROSION CONTROL COVER. DURING WINTER CONSTRUCTION A DOUBLE ROW OF SEDIMENT BARRIERS SHALL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. NATURAL RESOURCE CROSSINGS SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE.
- STOCKPILES OF SOIL SHALL BE MULCHED FOR OVER-WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A 4-INCH LAYER OF EROSION CONTROL MIX.
- MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF TRAINING AND RUNOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL, IN THE SPRING, INSPECT AND REPAIR ANY DAMAGES OR BARE SPOTS.
- WINTER CONSTRUCTION SHALL BE IN ACCORDANCE WITH REGULATORY PERMITS. PERMIT REQUIREMENTS SHALL SUPERCEDE ANY DISCREPANCY IN ABOVE LISTED NOTES.

NOTES:

- TEMPORARY SEEDING NOTES**
 - ANY DISTURBED AREAS TO BE LEFT IN ROUGH GRADED FORM FOR MORE THAN 30 DAYS (7 DAYS FOR SENSITIVE AND CRITICAL AREAS) BUT LESS THAN ONE GROWING SEASON SHALL BE LIMED, FERTILIZED, TEMPORARILY SEEDED AND MULCHED OR OTHERWISE STABILIZED.
 - EXPOSED OR BARE SOIL IN SENSITIVE AND CRITICAL AREAS ARE TO BE MULCHED AT THE COMPLETION OF WORK, EACH DAY, IF SIGNIFICANT RAINFALL IS PREDICTED.
 - APPLICATION RATES AND MATERIALS USED SHALL BE THE SAME AS FOR PERMANENT SEEDING EXCEPT SEED MIXTURE SHALL BE ANNUAL RYEGRASS.
- PERMANENT SEEDING NOTES**
 - DURING PERIODS FROM APRIL 15 TO SEPTEMBER 15, AREAS DISTURBED SHALL BE PERMANENTLY SEEDDED WITH CONSERVATION SEED MIX (A MIXTURE OF CREEPING RED FESCUE, REDTOP, TALL FESCUE, CLOVER AND ANNUAL RYE), AT A RATE OF 1.0 LB/1,000 SF.
- SPECIFIC MAINTENANCE INSTRUCTIONS:**
 - STRAW/HAY BALE BARRIERS, SILT FENCE, FILTER BARRIERS – MAKE ANY REQUIRED REPAIRS IMMEDIATELY. REPLACE W/ TEMPORARY CHECK DAM IF THERE IS UNDERCUTTING AT CENTER OR EDGES, OR IF LARGE VOLUMES OF WATER ARE IMPOUNDED. REPLACE DECOMPOSED OR INEFFECTIVE FABRIC IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AFTER EACH STORM. DEPOSITS REMAINING IN PLACE AFTER SILT FENCE OR FILTER FABRIC IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM W/ EXISTING GRADE, PREPARED AND STABILIZED.
 - CULVERTS – CULVERTS SHOULD BE CHECKED MONTHLY FOR ACCUMULATION OF DEBRIS. IF NEEDED THEY SHOULD BE CLEANED.
 - A STORMWATER MAINTENANCE LOG SHOULD BE MAINTAINED TO DOCUMENT COMPLIANCE WITH THE SUGGESTED SCHEDULE.

DEWATERING

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY DEWATERING EXCAVATIONS DURING CONSTRUCTION.
- CONTRACTOR SHALL DISPOSE OF PUMPED WATER IN APPROPRIATE MANNER TO AVOID CONCENTRATED FLOWS FROM SITE. THE USE OF SETTLEMENT BASINS OR SEDIMENT CONTROL DEVICES SUCH AS "DIRTBAGS" AND TEMPORARY SEDIMENT BASINS SHALL BE EMPLOYED TO SEPARATE SEDIMENTS FROM DEWATERING ACTIVITIES AS NECESSARY. PUMPED WATER WILL BE DIRECTED AWAY FROM RESOURCES TO NATURAL BUFFER AREAS OR OTHER ACCEPTABLE STABILIZED AREAS. METHODS OF DEWATERING AND THE SEDIMENT CONTROL DEVICES SHALL BE APPROVED BY THE ENGINEER AT EACH LOCATION.
- DURING TEMPORARY DEWATERING ACTIVITIES CONTRACTOR SHALL OUTLET FLOWS TO SEDIMENT CONTROL DEVICES. THESE DEVICES SHALL BE LOCATED ON UNDISTURBED SOILS THAT ARE CAPABLE OF ALLOWING SURFACE INFILTRATION. LOCATIONS FOR ALL OUTLETS OF DEWATERING ACTIVITIES SHALL NOT BE PLACED WITHIN PROTECTED NATURAL RESOURCES.
- PERMANENT DEWATERING REQUIRED FOR FOUNDATION DRAINAGE SHALL OUTLET AS GRADES ALLOW. PERMANENT OUTLETS SHALL BE LOCATED ON UNDISTURBED SOILS THAT ARE CAPABLE OF ALLOWING SURFACE INFILTRATION. LOCATIONS FOR ALL OUTLETS OF PERMANENT OUTLETS LOCATED WITHIN DITCH LINES SHALL BE STABILIZED WITH RIPRAP. PERMANENT OUTLETS LOCATED IN WOODED AREAS SHALL BE STABILIZED WITH RIPRAP FOLLOWED BY A LEVEL SPREADER TO ELIMINATE CONCENTRATED FLOWS. ALL OUTLET PIPES SHALL HAVE STAINLESS STEEL RODDED SCREENS.
- IN LOCATIONS WHERE OUTLET REQUIRES THE PLACEMENT OUTSIDE THE DEPICTED CLEARING LIMITS CONTRACTOR SHALL MINIMIZE CLEARING AND DISTURBANCE TO SMALLEST EXTENT PRACTICABLE AND SHALL AVOID PROTECTED NATURAL RESOURCES.

IRRIGATION SYSTEM

- PORTIONS OF THE PROJECT CONSTRUCTION OCCUR WITHIN AREAS WHERE THERE IS AN EXISTING IRRIGATION SYSTEM. CARE SHALL BE TAKEN IN ORDER TO AVOID IMPACTS WHERE FEASIBLE. IN AREAS OF DIRECT CONFLICT, IRRIGATION SYSTEM RELOCATION AND MODIFICATIONS WILL BE REQUIRED. IRRIGATION SYSTEM MODIFICATIONS MAY OCCUR OUTSIDE THE LIMITS OF IMPACT DEPICTED WITHIN THIS PLAN SET.

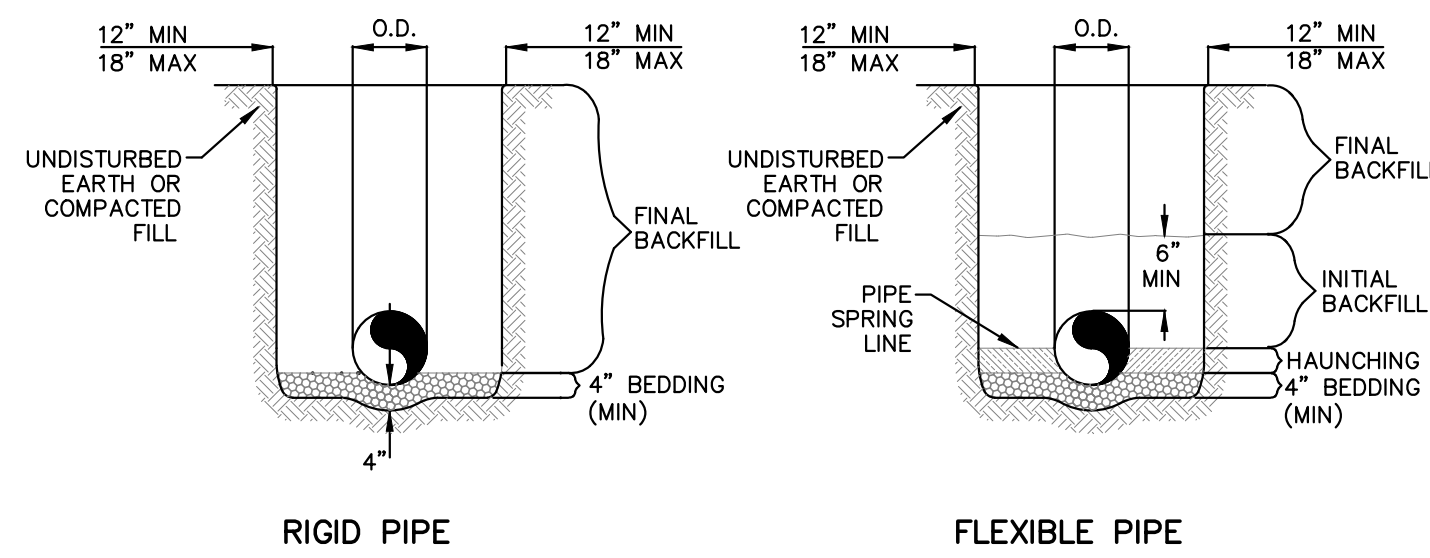
CULVERT AND LEVEL SPREADER SIZES WITHOUT BUFFERS

Road Name	CL Station	Drainage Area (acres)	Culvert Diameter (in)	Level Spreader Length (ft)
Access Rd 200	208+25	13.7	15	10
Access Rd 200	219+10	14.2	18	N/A
Crane Path 250	257+35	15.9	18	13
Crane Path 250	265+85	0.5	12	SEE BL4
Crane Path 250	278+30	20.0	15	SEE BL9
Crane Path 4000	4002+50	7.0	18	SEE BL10
Crane Path 250	298+60	10.8	15	8
Crane Path 250	290+45	1.5	12	SEE BL11
Crane Path 250	298+00	4.4	15	SEE BL12
Crane Path 250	300+90	4.6	15	SEE BL14
Crane Path 250	311+50	1.2	12	5
Crane Path 250	323+55	16.1	24	N/A
Substation 1	1+38	7.0	18	SEE BL19
Substation 1	8+30	3.3	15	SEE BL20
Substation 1	18+22	2.6	12	SEE BL21
Substation 2	22+80	1.1	12	N/A
Crane Path 250	344+45	2.5	12	SEE BL24
Crane Path 250	360+75	10.7	24	SEE BL29
Met Tower A	3+33	7.8	18	SEE BL28
Met Tower A	9+50	9.3	18	SEE BL30
Access Rd 400	401+28	10.7	24	SEE BL27
Access Rd 445	448+68	14.2	24	SEE BL31
Access Rd 445	467+00	20.4	18	20
Access Rd 445	470+55	50.9	24	SEE BL32
Access Rd 445	479+00	68.1	15	SEE BL33
Access Rd 500	519+45	0.1	12	5
Access Rd 500	524+75	1.8	12	8
Access Rd 500	529+35	1.1	12	5
Access Rd 500	544+62	0.6	12	5
Access Rd 500	555+50	5.8	15	24
Access Rd 500	561+90	4.9	15	20
Access Rd 500	579+25	1.3	12	6
Access Rd 500	591+15	3.7	15	SEE BL34
Access Rd 500	602+42	2.0	12	SEE BL35
Access Rd 500	614+00	8.1	18	SEE BL36
Access Rd 500	641+00	27.1	18	SEE BL37
Access Rd 500	694+00	113.0	30	N/A
Access Rd 700	705+65	8.5	18	10
Access Rd 700	727+65	5.5	18	20
Access Rd 700	741+55 Left	0.5	12	N/A
Crane Path 800	804+70	1.4	12	6
Crane Path 800	814+13	3.8	15	16
Crane Path 800	835+75	1.0	12	5
Crane Path 800	840+50	3.6	15	SEE BL40
Crane Path 800	845+00	5.7	18	SEE BL41
Crane Path 800	854+25	4.3	15	SEE BL43
Crane Path 800	859+30	1.9	12	SEE BL45
Crane Path 800	865+50	1.2	12	SEE BL47
Crane Path 800	882+50	3.2	15	SEE BL49
Crane Path 800	886+35	1.4	12	SEE BL51
Crane Path 800	893+50	1.2	12	SEE BL52
Crane Path 800	897+85	33.0	15	SEE BL53
Crane Path 910	912+60	1.0	12	5
Crane Path 910	920+80	1.9	12	SEE BL54
Crane Path 910	933+70	11.9	18	SEE BL55
Crane Path 910	954+75	2.2	12	SEE BL58
Crane Path 1100	1111+40	11.6	18	14
Crane Path 1100	1123+40	31.8	24	24
Crane Path 1100	1136+80	31.9	24	30
Crane Path 1100	1150+45	6.9	18	28
Crane Path 1300	1317+70	0.8	12	28
Crane Path 1300	1334+50	5.2	15	21
Crane Path 1300	1336+86	0.7	12	5
Crane Path 1300	1343+35	9.3	18	11
Crane Path 1300	1352+20	1.1	12	5
Crane Path 1300	1358+10	5.8	18	24
Crane Path 1300	1388+55	4.5	15	18
Crane Path 1300	1404+27	0.4	12	5
Crane Path 1300	1416+90	0.6	18	N/A
Crane Path 1300	1420+20 Right	0.3	12	5
Crane Path 1300	1428+00	1.8	12	8
Crane Path 1300	1457+00	0.8	12	N/A
Crane Path 1300	1467+50	6.0	18	24
Crane Path 1300	1474+00	1.1	12	5
Crane Path 1300	1487+20	0.5	12	5
Crane Path 1300	1506+90	2.8	15	11
Crane Path 1300	1514+50	3.8	15	SEE BL64
Crane Path 1300	1519+50	5.1	15	21
Crane Path 1300	1528+00	70.1	3-18	3-25
Crane Path 1300	1539+50	5.7	18	23
Crane Path 1300	1550+00	11.6	24	SEE BL65
Crane Path 1700	1715+25	2.4	12	SEE BL80
Crane Path 1300	1551+50	10.7	24	N/A
Crane Path 1300	1554+25	0.8	12	N/A
Crane Path 1300	1557+70	0.1	12	5
Crane Path 1300	1560+30	1.6	12	7
Crane Path 1300	1564+70	0.6	12	SEE BL66
Crane Path 1300	1568+75	14.2	24	SEE BL69
Crane Path 1300	1571+10	0.3	12	5
Crane Path 1300	1573+25	10.0	15	10
Crane Path 1300	1581+60	14.0	18	10
Crane Path 1300	1587+50	5.0	15	20
Crane Path 1800	1802+60	0.3	12	5
Crane Path 1800	1813+50	1.2	12	SEE BL83
Crane Path 1800	1816+75	0.8	12	Existing metal bridge to remain
Crane Path 1800	1818+25	0.5	12	SEE BL84
Crane Path 1800	1827+00	4.3	15	18
Crane Path 1800	1828+15	0.7	12	SEE BL85
Crane Path 1800	1837+40	1.9	12	8
Crane Path 1800	1843+90	1.2	12	5

STONE BERMED LEVEL LIP SPREADER SIZES WITH BUFFERS

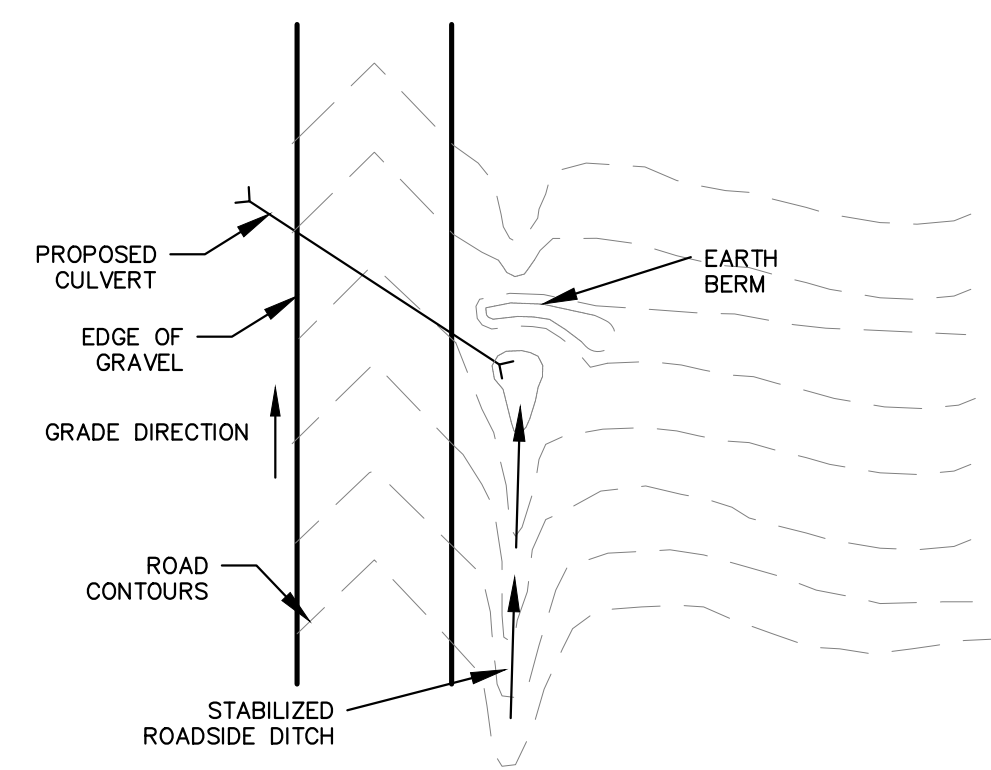
BMP Type & #	Roadway Align. or Turbine Site	Berm Length (ft)	Buffer Length (ft)
BL36	Access Rd 500	49	100
BL37	Access Rd 500	29	75
BL38	Access Rd 500	9	75
BL39	Crane Path 800	37	75

Road Name	CL Station	Drainage Area (acres)	Culvert Diameter (in)	Level Spreader Length (ft)
Access Road 1860	1867+00	37.8	30	N/A
Access Road 1860	1871+50	27.4	30	N/A
Access Road 1860	1875+00	8.2	18	16
Access Road 1860	1884+10	12.3	24	SEE BL86
Access Road 1860	1893+15	0.6	12	5
Access Road 1860	1896+00	5.1	15	SEE BL88
Access Road 1860	1901+20	0.3	12	SEE BL89
Access Road 1860	1904+70	5.1	15	21
Access Road 1860	1914+70	1.2	12	SEE BL91
Met Tower B	5+50	3.3	15	SEE BL92
Access Road 1860	1921+35	3.0	15	SEE BL95
Access Road 1860	1925+20	5.7	18	SEE BL96
Access Road 1860	1936+25	2.0	12	8
Access Road 1860	1945+80	3.1	15	13
Access Road 1860	1955+00	7.4	18	30
Access Road 1860	1961+50	4.0	15	16
Access Road 2000	2002+80	1.3	12	SEE BL98
Access Road 2000	2012+75	0.2	12	SEE BL100
Access Road 2000	2016+90	1.4	12	6
Access Road 2000	2018+75	0.4	12	SEE BL103
Access Road 2000	2026+00	0.5	12	SEE BL104
Access Road 2000	2029+50	0.5	12	5
Access Road 2000	2035+60	0.7	12	SEE BL106
Access Road 2000	2048+00	19.9	30	SEE BL109
Access Road 2000	2059+55	3.1	15	SEE BL112
Access Road 2200	2224+00	3.2	15	SEE BL123
Access Road 2200	2228+50	2.3	1	



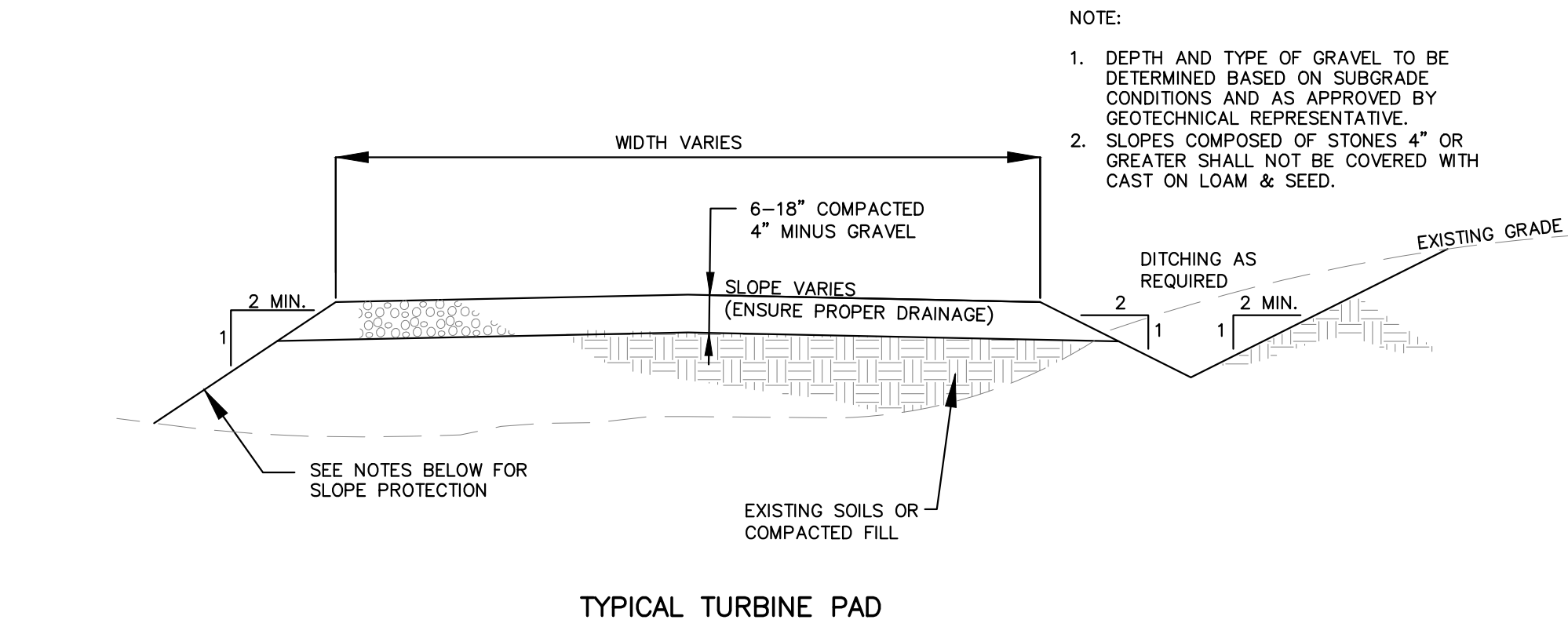
- GENERAL NOTES**
 *AASHTO SOIL CLASSIFICATIONS USED
- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION).
 - HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
 - INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
 - FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. FINAL COVER OVER PIPE SHALL BE MIN. 24"
 - ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
 - ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
 - FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
 - ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES (SEE SPECIFICATIONS).
 - ACTUAL MATERIALS USED AND DEPTH OF COVER OVER PIPE SHALL BE FIELD DETERMINED BASED ON ACTUAL SITE CONDITIONS AND PROJECT REQUIREMENTS.

STORM DRAIN TRENCH AND BEDDING
 NOT TO SCALE

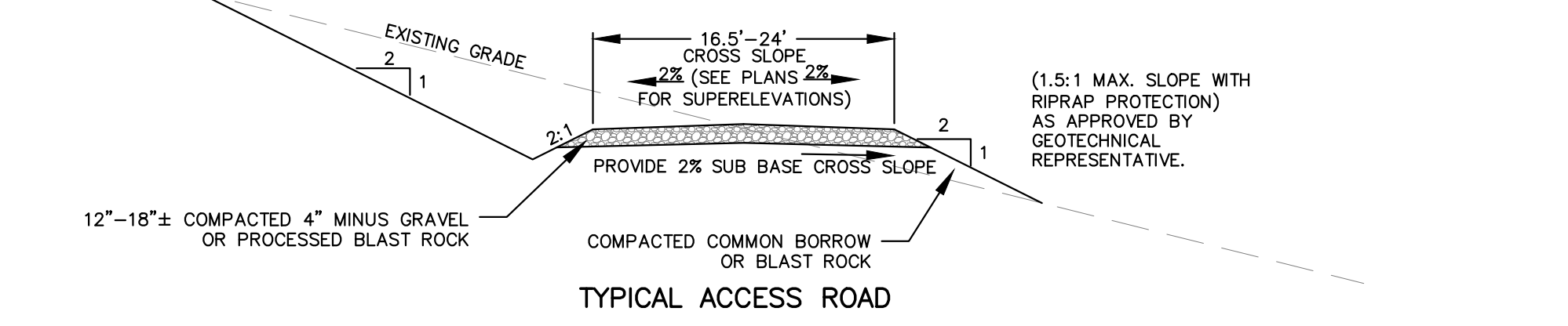


- NOTES**
- CONTRACTOR SHALL CONSTRUCT BERM AT EACH CULVERT INLET TO DIRECT DITCH FLOW INTO CULVERT.
 - CONTRACTOR SHALL LOWER INVERT ELEVATION AS APPROPRIATE TO MAINTAIN COVER BETWEEN CROSS CULVERTS, ROADWAY, AND DITCH ON OPPOSITE SIDE OF ROAD.
 - VERIFY COVER REQUIREMENTS WITH PIPE MANUFACTURER.

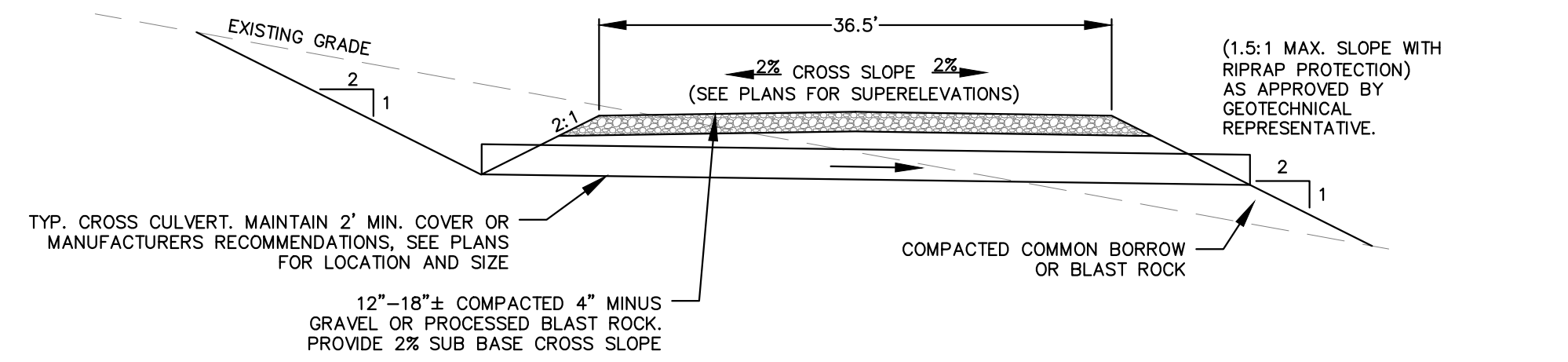
BERMED CULVERT INLET DETAIL
 NOT TO SCALE



TYPICAL TURBINE PAD



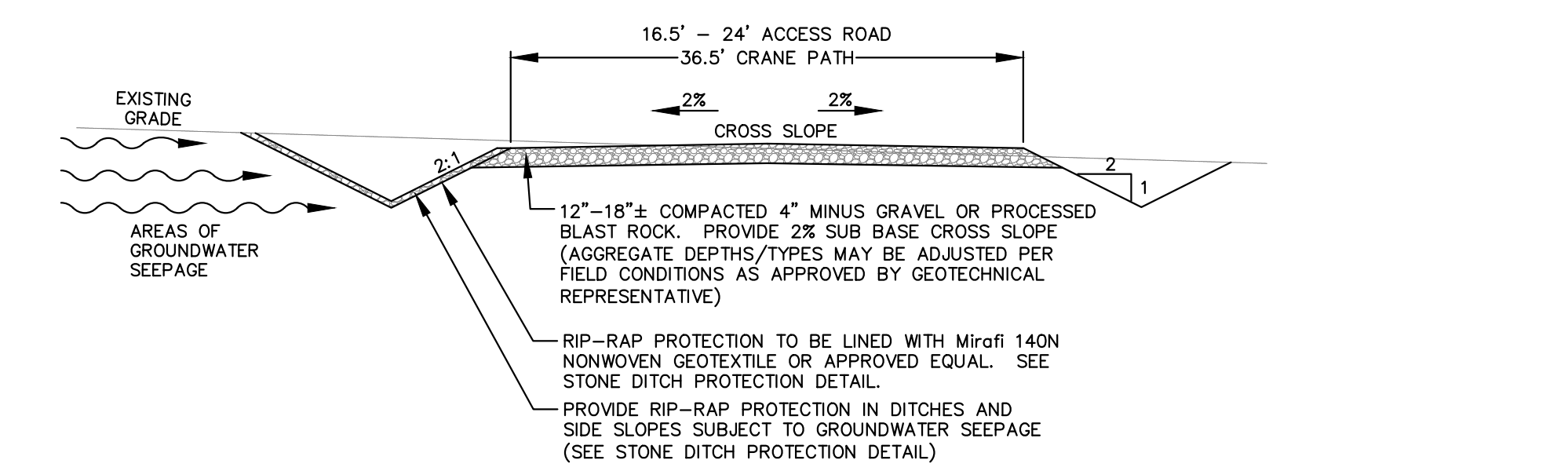
TYPICAL ACCESS ROAD



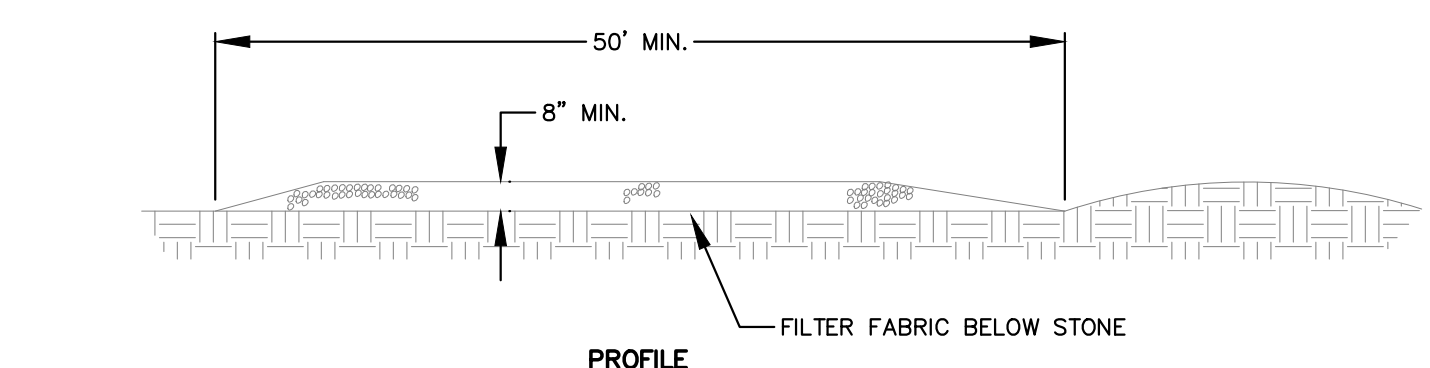
TYPICAL CRANE PATH

- NOTES:**
- DITCHES SHALL BE CONSTRUCTED TO AVOID GROUND WATER TABLE WHEN POSSIBLE. DITCH DEPTH SHALL BE 24" MEASURED FROM ROADWAY, EXCEPT AT CROSS CULVERTS OR AS APPROVED BY THE ENGINEER. DITCHES SHALL BE STONE LINED WHEN THE LONGITUDINAL SLOPES OF THE DITCH EXCEEDS 6%.
 - ACTUAL AGGREGATE MATERIALS AND DEPTH SHALL BE DETERMINED IN THE FIELD BASED ON ACTUAL SITE CONDITIONS AND PROJECT REQUIREMENTS TO ADEQUATELY SUPPORT CONSTRUCTION EQUIPMENT.
- FILL AREAS:**
- EXISTING GROUND SHALL BE GRUBBED WITHIN FOOTPRINT OF ROAD IN FILL SECTIONS. HOWEVER, WHEN EMBANKMENT FILL DEPTH EXCEEDS 5', MEASURED VERTICALLY, ALL VEGETATION SHALL BE CUT AND REMOVED BUT GRUBBING IS NOT REQUIRED.
 - STABILIZE FILL SLOPES WITH BLAST ROCK, EROSION CONTROL MIX, OR LOAM AND SEED. ALL SLOPES STEEPER THAN 3:1 SHALL BE PROTECTED WITH EROSION CONTROL MIX, EROSION CONTROL MESH, OR BLAST ROCK/RIP RAP. SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH RIPRAP OR SUITABLE BLAST ROCK.
 - BENCH EXISTING GROUND AS NECESSARY TO STABILIZE EXTENSION.
- CUT AREAS:**
- 1:4 CUT FACES ARE PERMITTED IN AREAS OF ROCK EXCAVATION ONLY AS APPROVED BY GEOTECHNICAL REPRESENTATIVE.
 - ALL NON ROCK-FACE SLOPES STEEPER THAN 3:1 SHALL BE PROTECTED WITH EROSION CONTROL MIX, EROSION CONTROL MESH, OR BLAST ROCK. SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH BLAST ROCK OR RIP RAP.

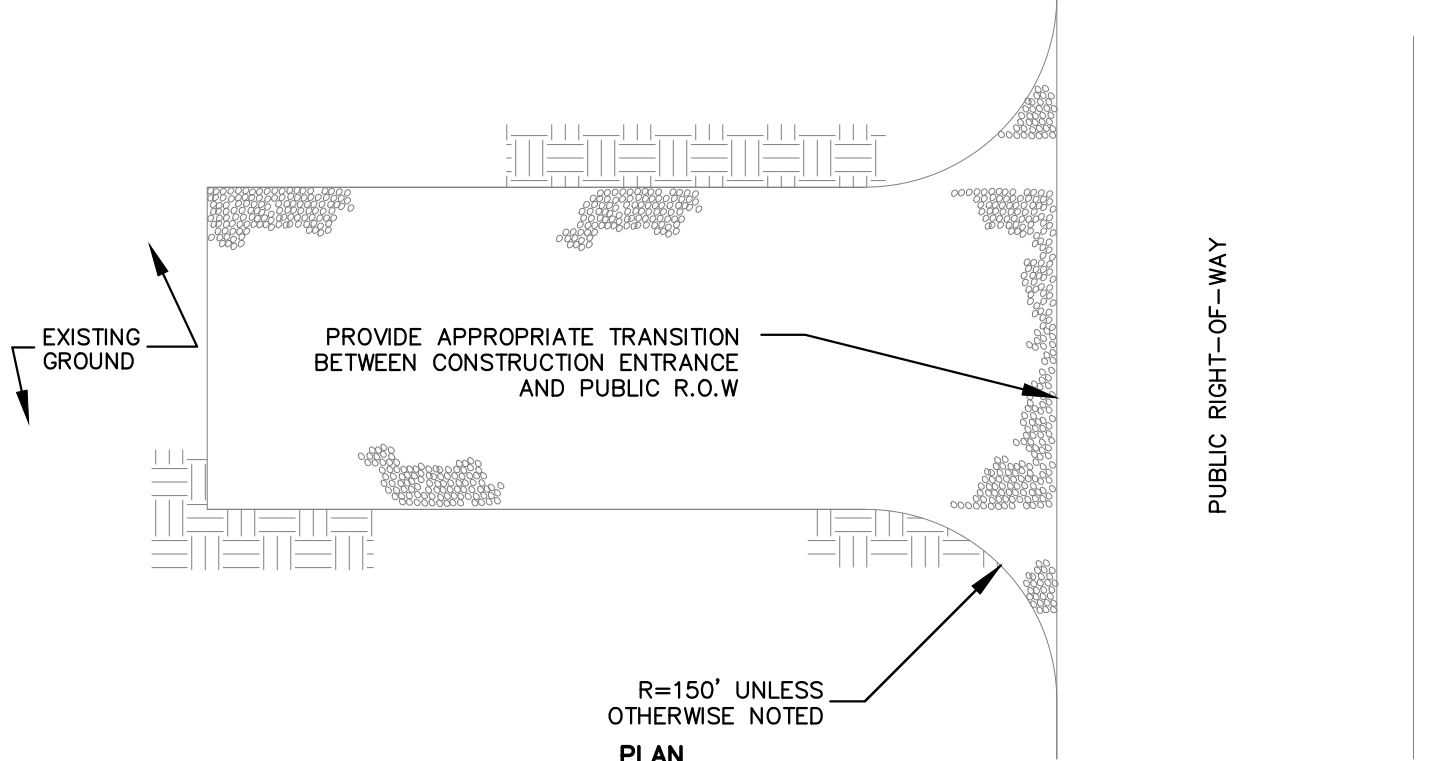
TYPICAL TURBINE PAD AND ROAD DETAILS
 NOT TO SCALE



TYPICAL ROAD DETAIL IN CUT SECTION
 NOT TO SCALE



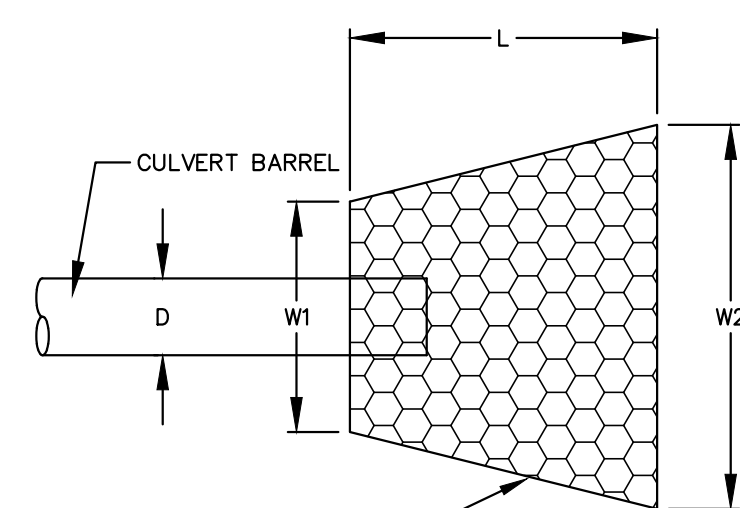
PROFILE



PLAN

- NOTES:**
- APPROXIMATE STONE SIZE - AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
 - LENGTH - AS SHOWN ON GRADING PLAN, MIN. 50 FEET.
 - THICKNESS - APPROXIMATELY EIGHT (8) INCHES (MINIMUM)
 - WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE



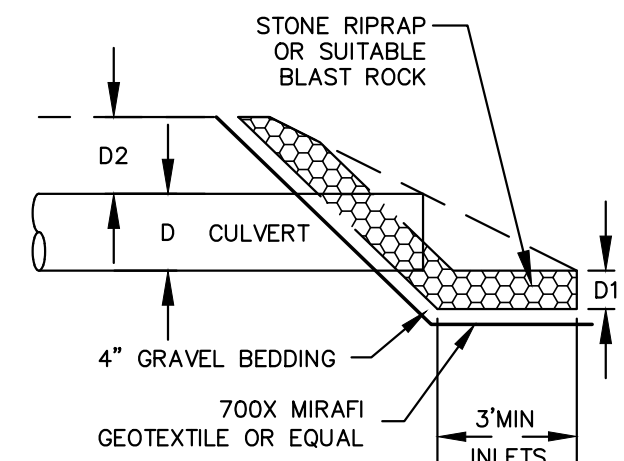
STONE RIPRAP APRON

D	W1	W2	L	d50
15"	4'	14'	10'	4"
18"	5'	15'	10'	6"
24"	6'	16'	12'	6"
30"	15'	25'	22'	8"
36"	18'	28'	25'	10"

- NOTES**
- THE RIPRAP APRON SHALL BE CONSTRUCTED WITH NO SLOPE ALONG ITS LENGTH.

NOTE: APRONS SHALL BE CONSTRUCTED ON ALL CULVERT INLETS/OUTLETS UNLESS APPROVED BY ENGINEER.

CULVERT OUTLET DETAIL
 PLAN VIEW
 NOT TO SCALE



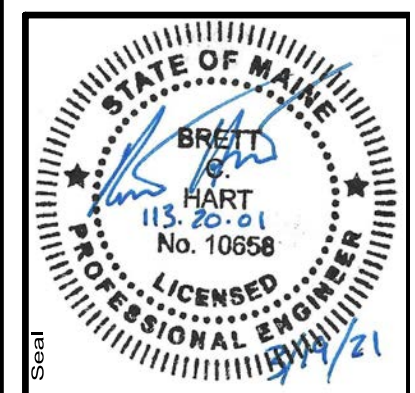
D	D1	D2	INLET	D2	OUTLET
15"	9"	24"	24"	12"	12"
18"	13.5"	24"	24"	12"	12"
24"	13.5"	36"	36"	12"	12"
30"	18"	36"	36"	15"	15"
36"	23"	36"	36"	18"	18"

CULVERT INLET/OUTLET DETAIL
 SECTION VIEW
 NOT TO SCALE

DATE	
Drawn By	MTFB
Check	
Rev. #	Draw. By
	Description

Designed By	BCH
Drawn By	MTFB
Date	03/19/2021
Scale	N/T
Project Location	CHARLOTTEVILLE, VA
Client	NIS
Checked	JSM
Approved	BCH

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 CHARLOTTEVILLE, VA
 315 4th ST. N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Project Location
 Drawing Description
DETAILS

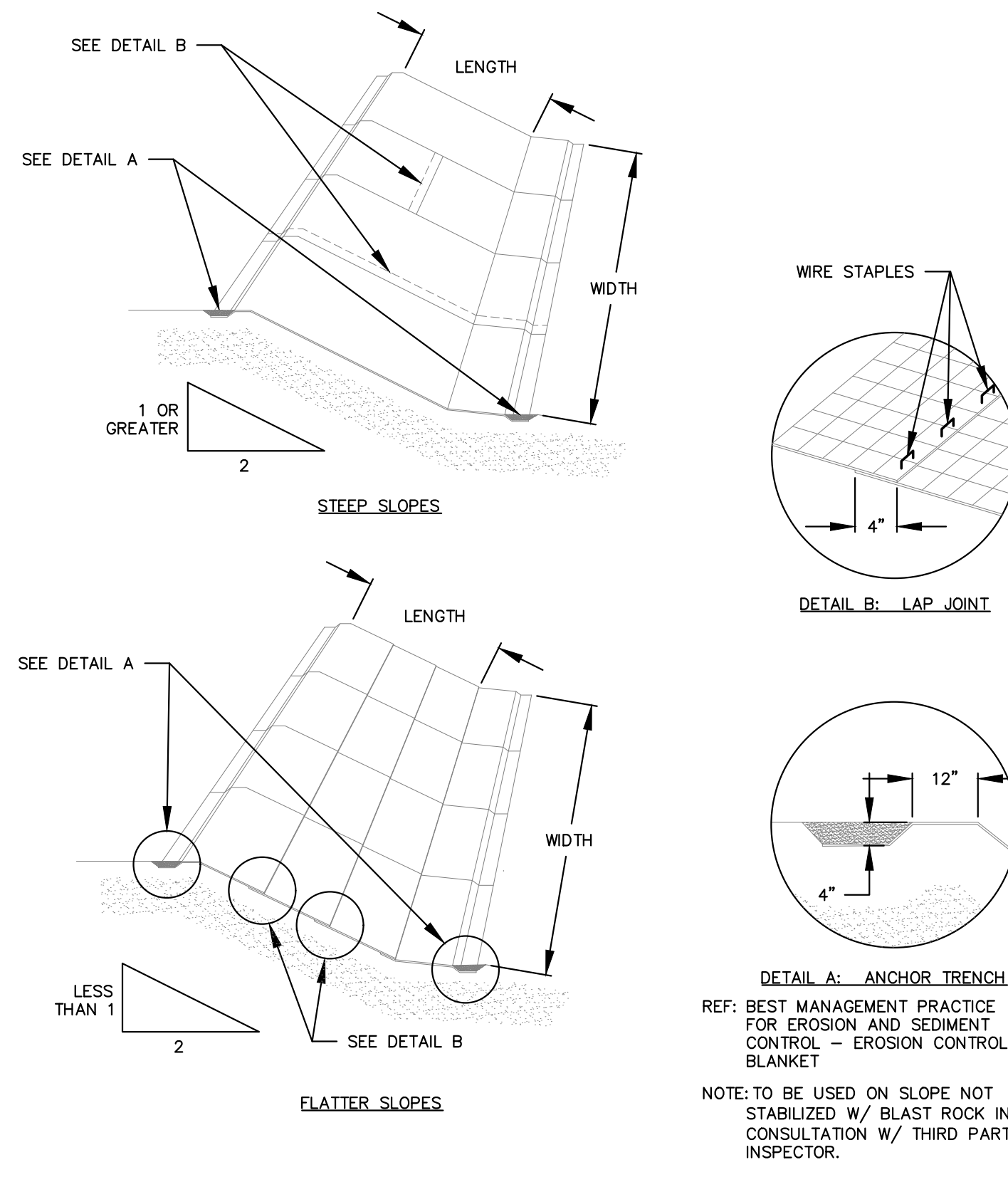


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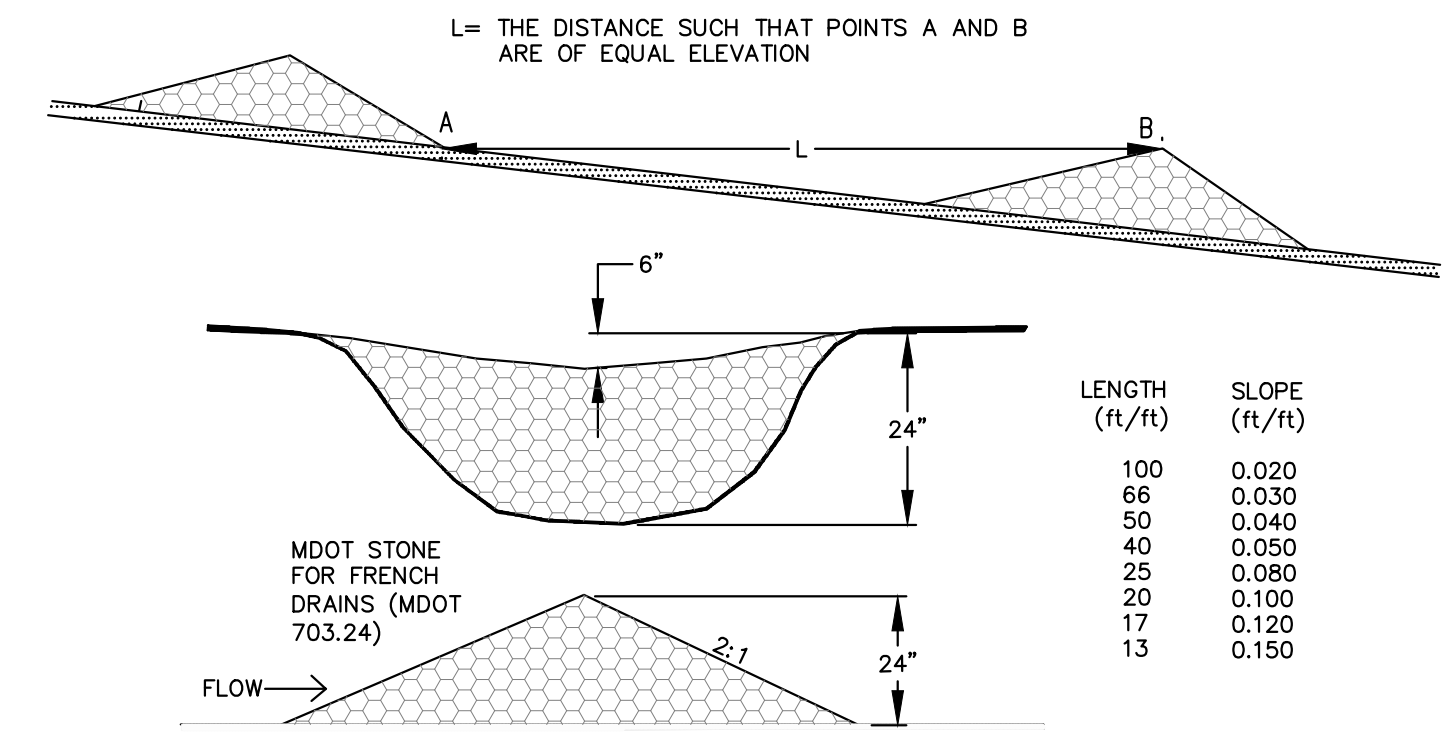
Phase
PERMIT

Sheet No.
2.2

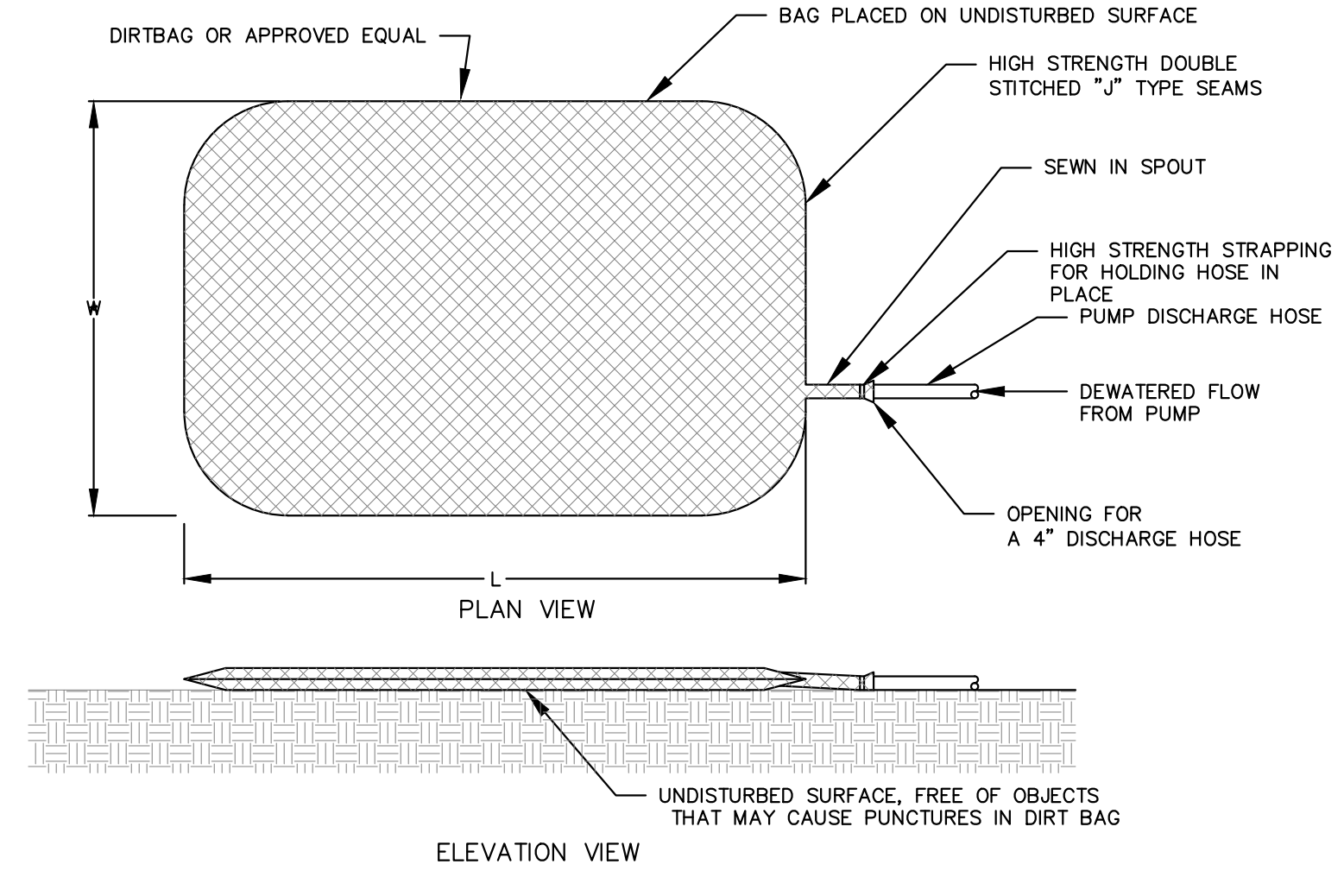
NOT FOR CONSTRUCTION



SLOPE APPLICATION—FOR EROSION CONTROL MESH
NOT TO SCALE

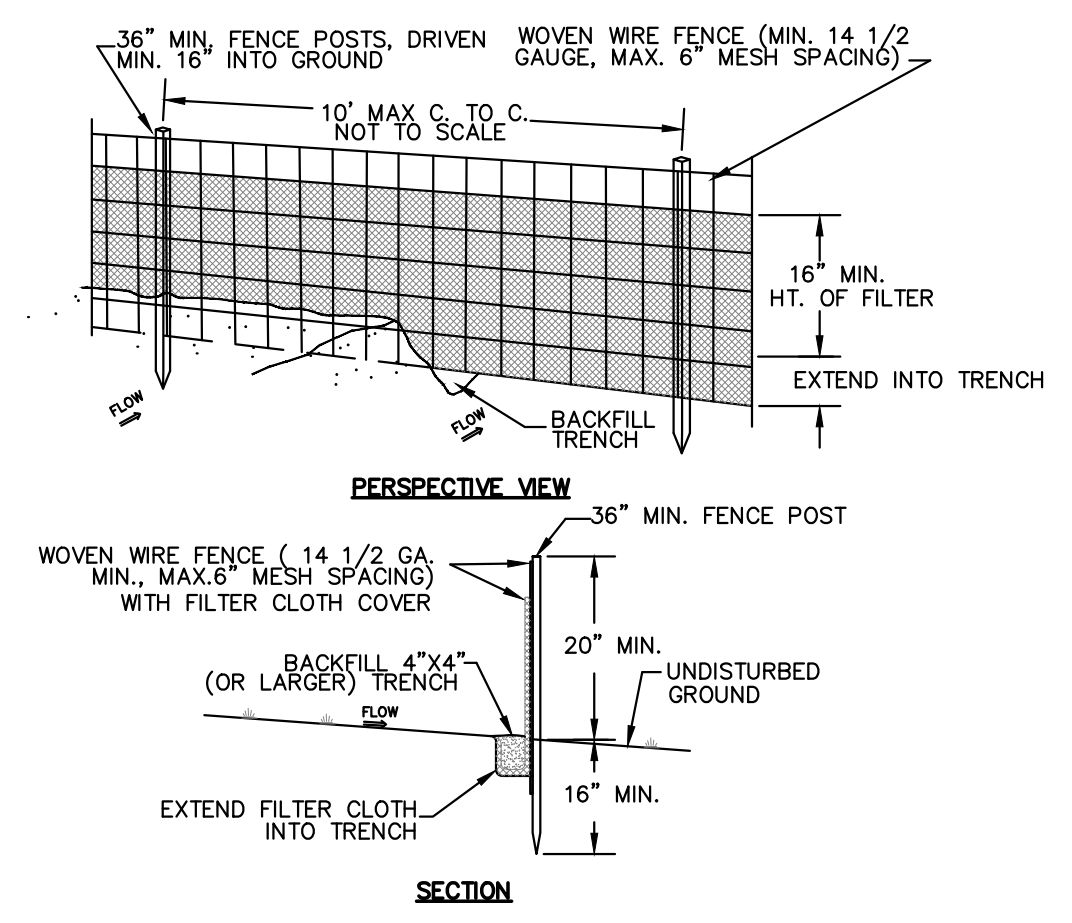


STONE CHECK DAM DETAILS
NOT TO SCALE



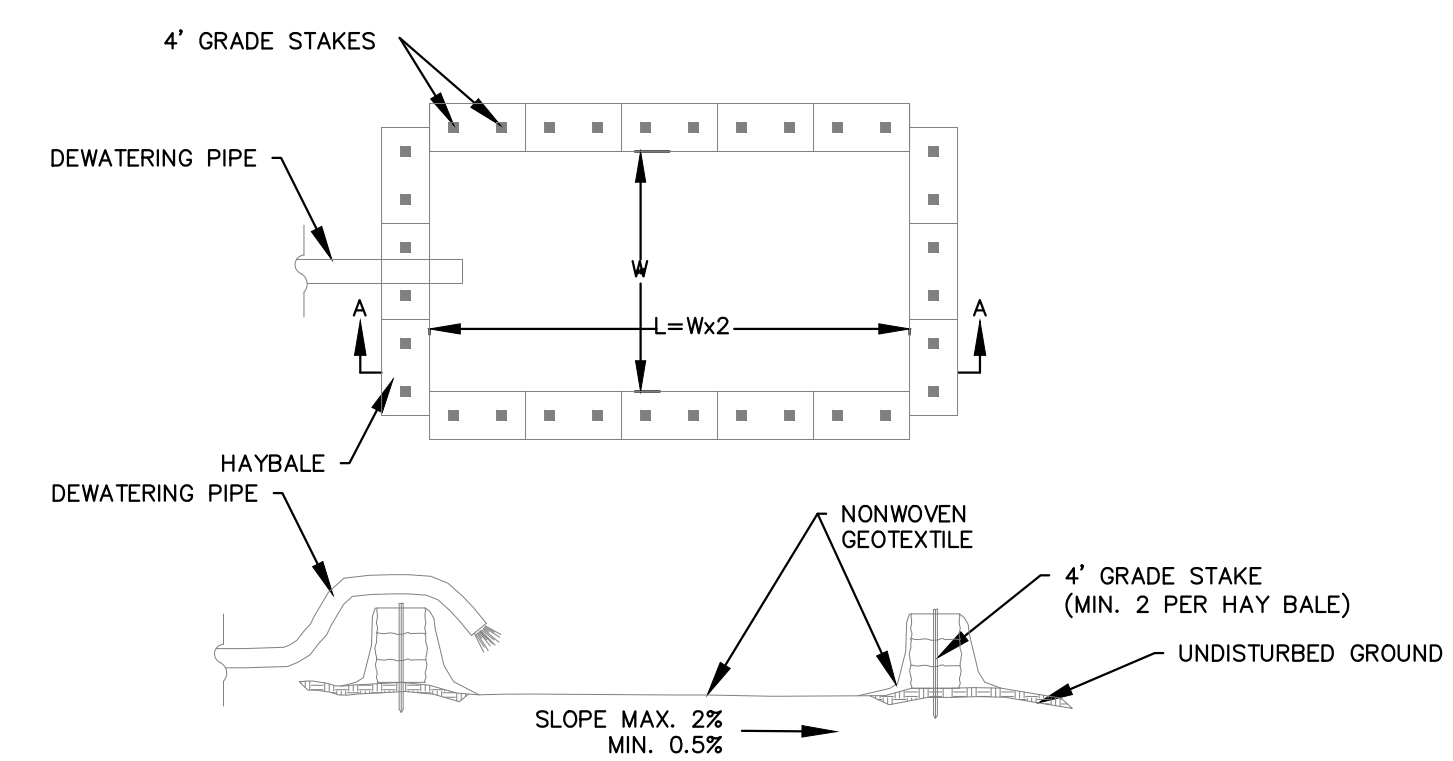
DIRT BAG DETAIL
NOT TO SCALE

- NOTES**
1. CONTRACTOR SHALL PROVIDE APPROPRIATE SIZED DEWATERING CONTROL DEVICES TO ACCOMMODATE DEWATERING ACTIVITIES BASED ON MANUFACTURERS RECOMMENDATIONS AND ANTICIPATED FLOW RATES.
 2. SEDIMENT CONTROL DEVICES SHALL BE REPLACED WHEN FULL. SEDIMENT CAN BE DISPOSED OF IN NON STRUCTURAL FILL AREAS OUTSIDE OF RESOURCE PROTECTION ZONES.

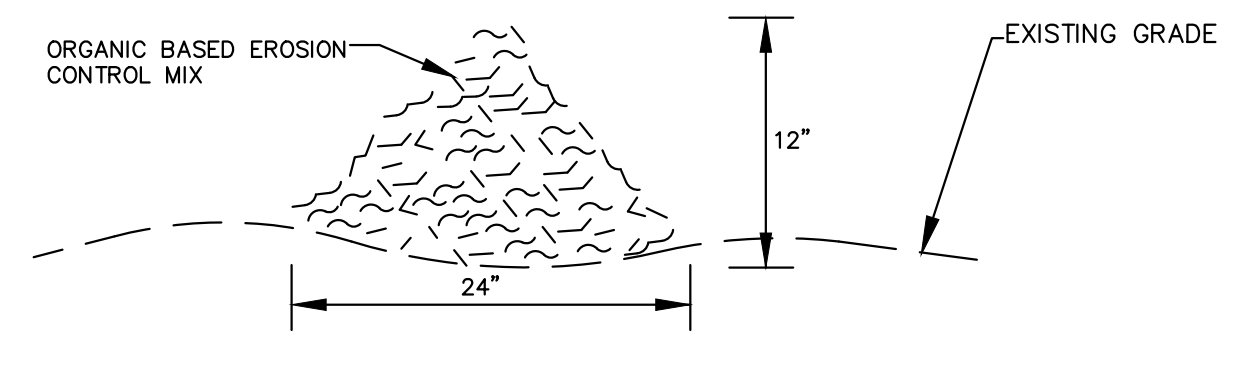


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- NOTE: THE CONTRACTOR HAS THE OPTION TO NOT USE WOVEN WIRE MESH IF STAKE SPACERS ARE REDUCED TO 6" O.C.
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP OF MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 5. SILT FENCE SHOWN ON THE PLANS IS SYMBOLIC. ALL SILT FENCE SHALL BE INSTALLED ALONG THE CONTOUR WITH EXACT LOCATION/ORIENTATION TO BE FIELD DETERMINED BASE ON ACTUAL SITE CONDITIONS.
 6. NO MORE THAN 1/4 ACRE OF DRAINAGE AREA FOR EACH 100 FEET OF FENCING.
 7. POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.
 8. FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.
 9. FILTER CLOTH: FILTER X, MARAFI 100X, STABI- LINKA T140N OR APPROVED EQUAL.
 10. PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

SILT FENCE DETAIL
NOT TO SCALE



TEMPORARY DEWATERING SEDIMENT BASIN
NOT TO SCALE



- COMPOSITION**
- EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED 3/2003 OR LATER. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.
- INSTALLATION:**
1. THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.
 2. EXISTING GROUND SHALL BE PREPARED SUCH THAT THE BARRIER MAY LIE NEARLY FLAT ALONG THE GROUND TO AVOID THE CREATION OF VOIDS AND BRIDGES IN ORDER TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.
 3. THE BARRIER SHALL BE A MINIMUM OF 1 FOOT HIGH (AS MEASURED ON THE UPHILL SIDE) AND 2 FEET WIDE FOR SLOPES LESS THAN 5% IN GRADE AND SHALL BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.
 4. EROSION CONTROL MIX MAY BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED ON THE DESIGN PLANS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS, AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS AND AT THE BOTTOM OF STEEP SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM.
 5. EROSION CONTROL MIX BERMS SHOWN ON THE PLANS ARE SYMBOLIC. LOCATION AND ORIENTATION SHALL BE FIELD DETERMINED BASED ON ACTUAL SITE CONDITIONS.

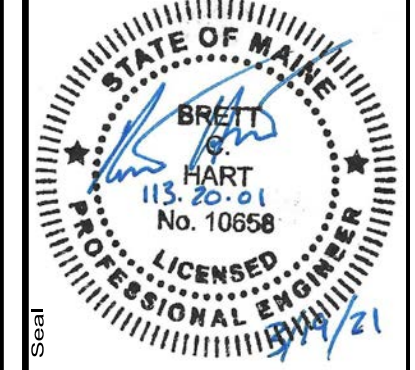
EROSION CONTROL MIX BERM
NOT TO SCALE

DATE	REV. #	Drawn By	Description

Designed By	BCH	Scale	N/T
Drawn By	MT/FB	Checked	JSM
Date	03/18/2021	Approved	BCH

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
CHARLOTTESVILLE, VA
318 4th ST. N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Location

DETAILS



Project No. **113.20.01**

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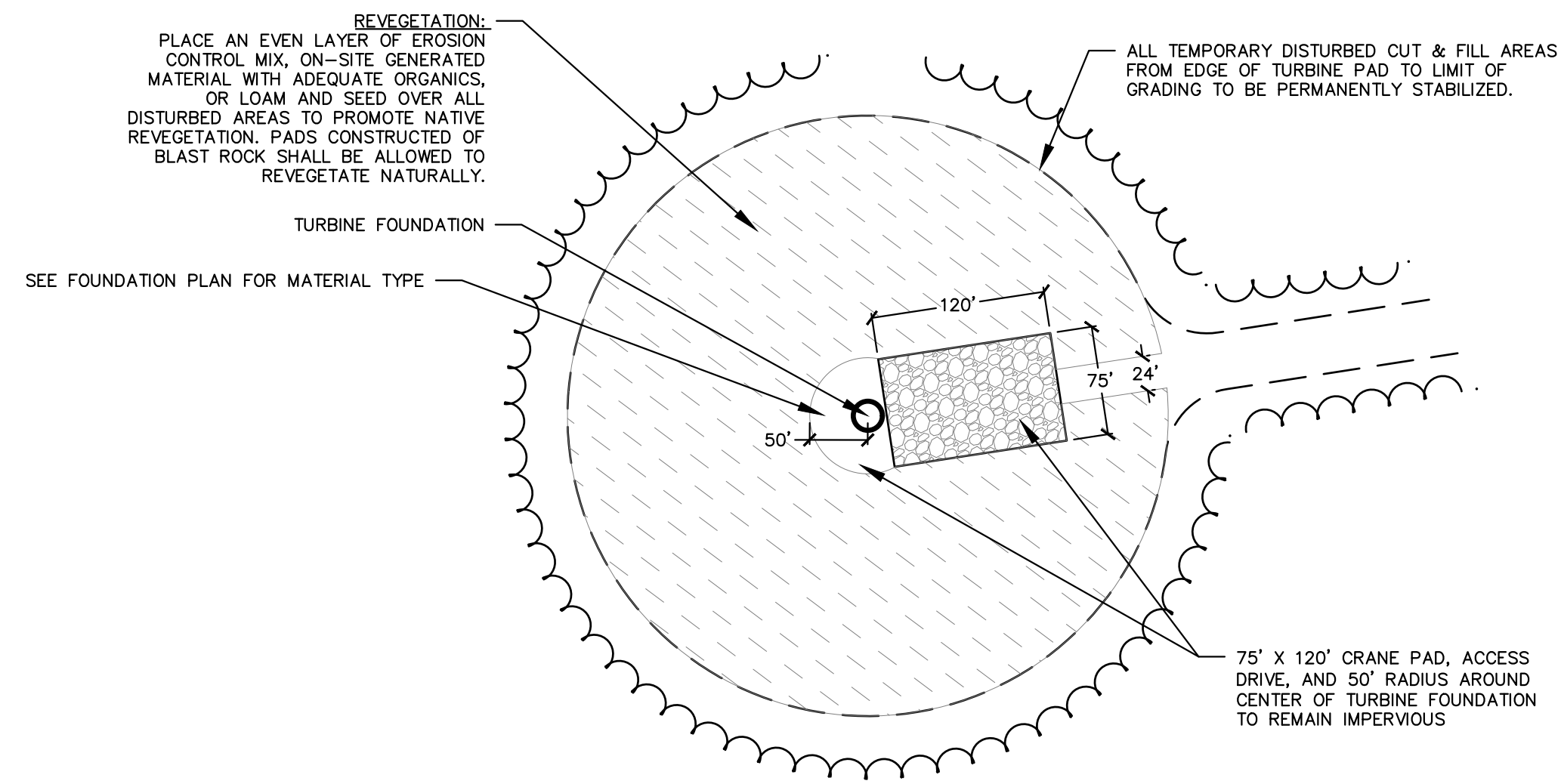
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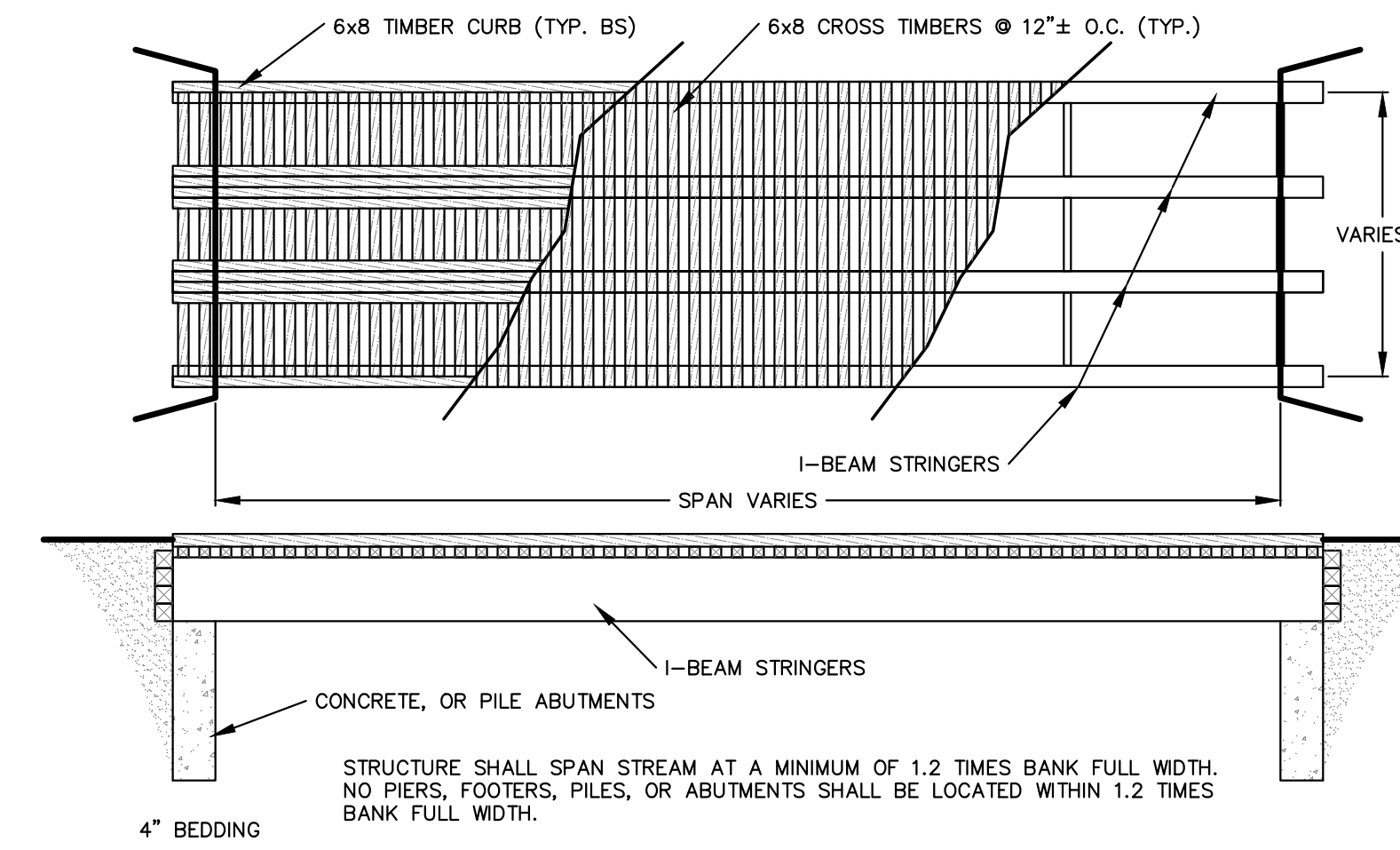
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NOT FOR CONSTRUCTION



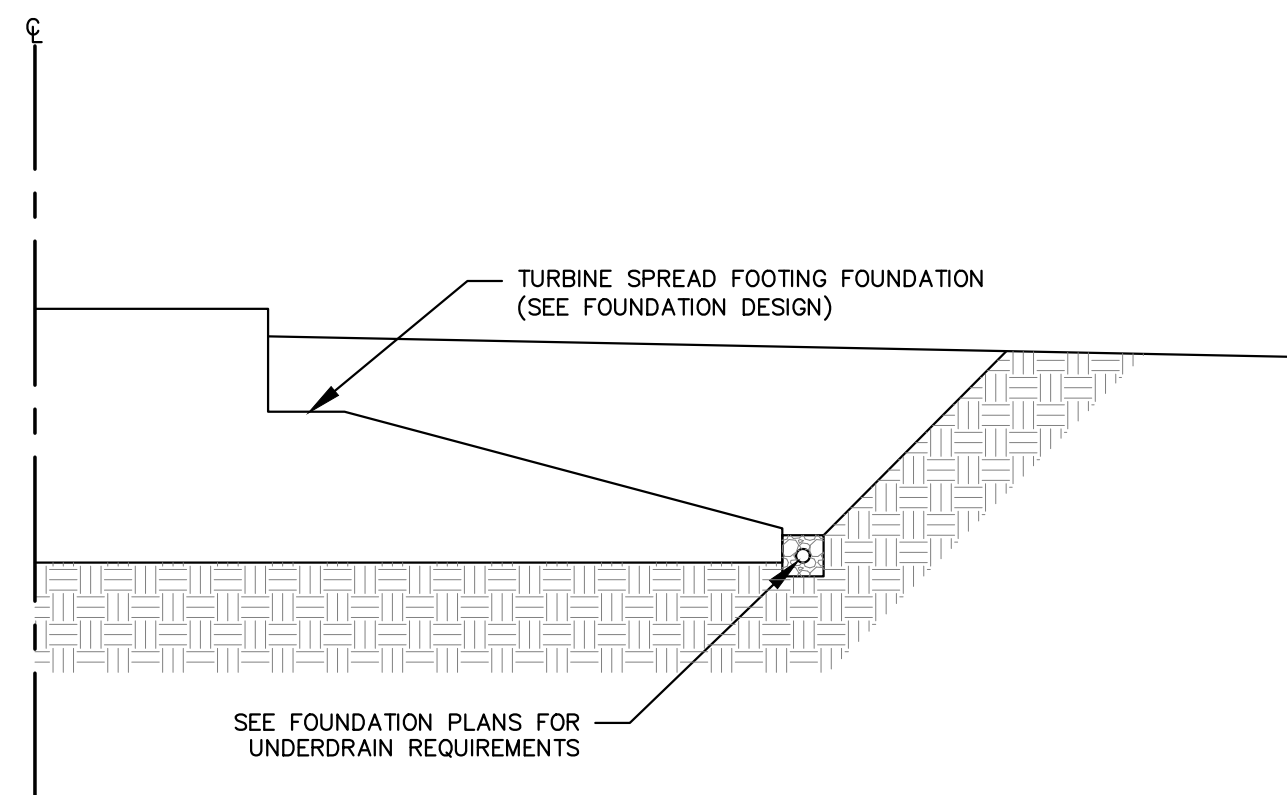
- NOTES:
1. CRANE ASSEMBLY AREAS SHALL ALSO BE ALLOWED TO REVEGETATE IN SIMILAR MANNER.
 2. TURBINE PADS AND CRANE ASSEMBLY AREAS CONSTRUCTED ON EXISTING ROADWAYS SHALL NOT BE REVEGETATED WITHIN THE FOOTPRINT OF THE EXISTING ROAD. ALIGNMENT MODIFICATIONS MAY BE NECESSARY FOR VEHICULAR ACCESS.
 3. THE AREA OF EXISTING ROADS WHICH BISECT PROPOSED TURBINE PADS WILL NOT BE REVEGETATED.

TYPICAL TURBINE PAD STABILIZATION DETAIL
NOT TO SCALE

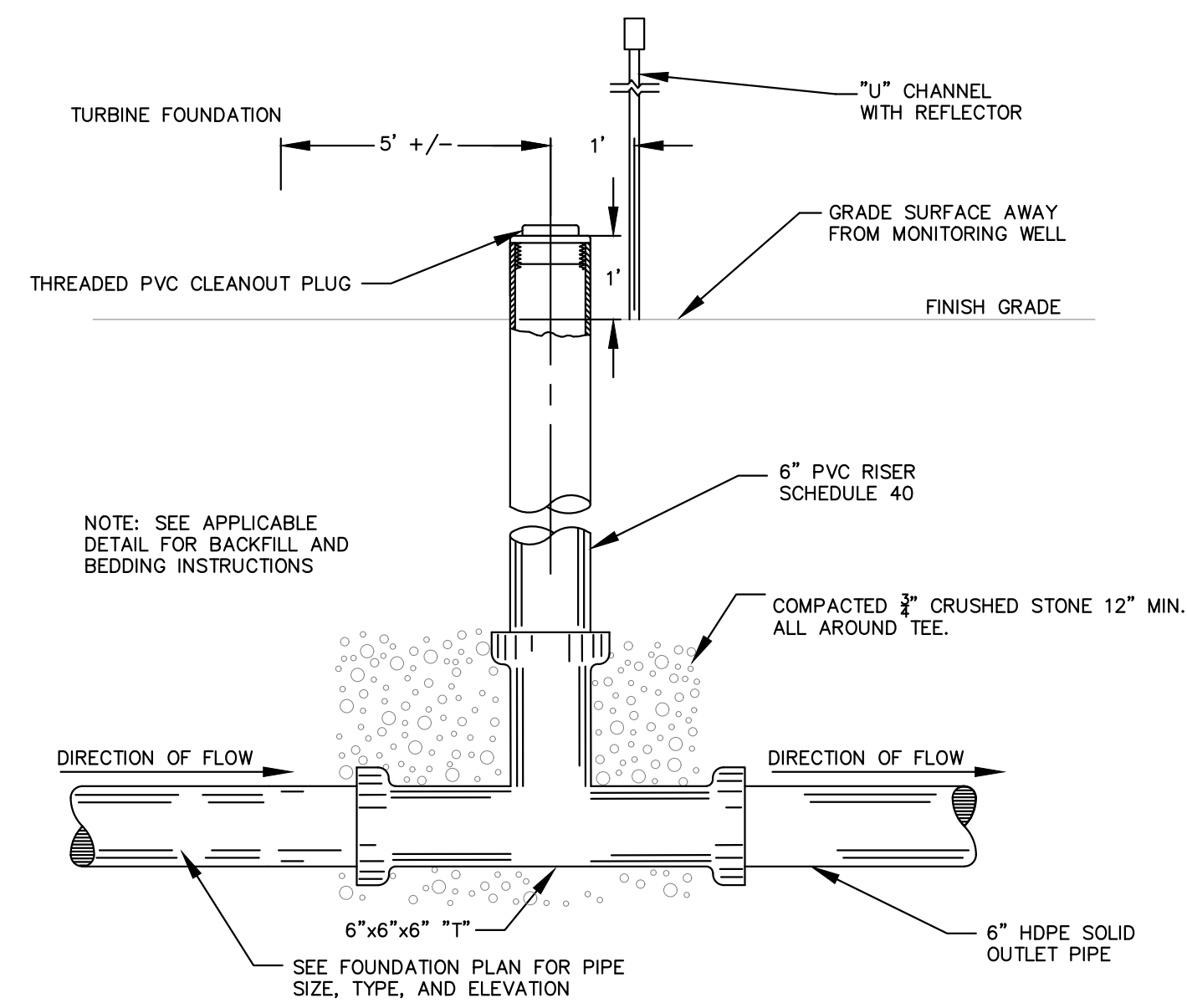


ACTUAL SPAN COMPONENT CONSTRUCTION MAY VARY DEPENDING ON DETERMINATION OF TURBINE TRANSPORT VEHICLES AND FIELD CONDITIONS. SPAN STRUCTURES MAY INCLUDE CONCRETE BOX CULVERTS, STRUCTURAL PLATE ARCH CULVERTS, BRIDGES OR SIMILAR. IN ALL CASES, DIRECT IMPACTS WITHIN 1.2 TIMES BANK FULL WIDTH OF STREAM SHALL BE AVOIDED.

SPAN DETAIL
NOT TO SCALE



UNDERDRAIN AT SPREAD FOOTING: TYPICAL SECTION
NOT TO SCALE

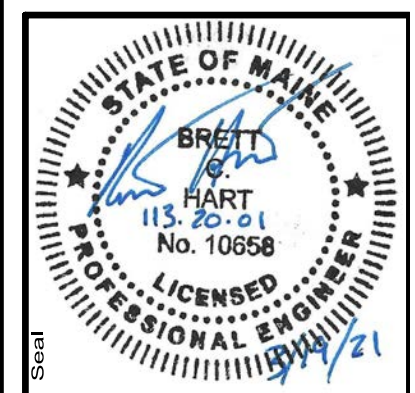


- NOTES:
1. PROVIDE 2" THICK BY 4" SQUARE RIGID INSULATION WITH PIPE SLEEVE CUT OUT 18" BELOW FINISH GRADE.
 2. CONTRACTOR TO PROVIDE APPROPRIATE FITTING FOR 6" PVC AND 6" HDPE CONNECTION.
 3. CONSULT FOUNDATION DESIGN PRIOR TO INSTALLATION.

FOUNDATION DRAIN MONITORING WELL DETAIL
NOT TO SCALE

Rev. #	Date	By	Description

Drawn By MTFB	Designed By BCH	Scale N.T.S.	Checked JSM
Date 03/18/2021	Project Location COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE	Approved BCH	
APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM <small>315 4th ST. N.E., SUITE 200 CHARLOTTESVILLE, VA</small>			
DETAILS			



Project No. **113.20.01**

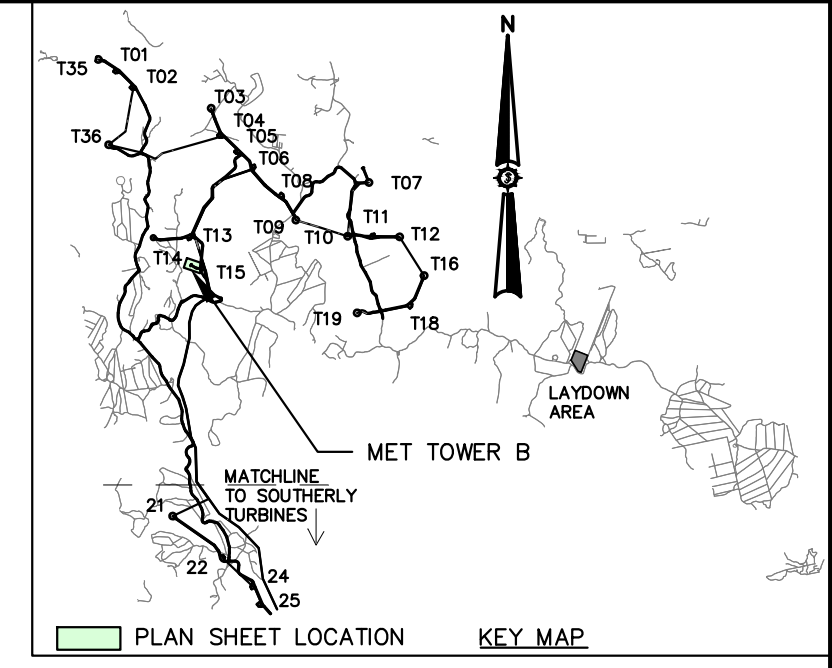
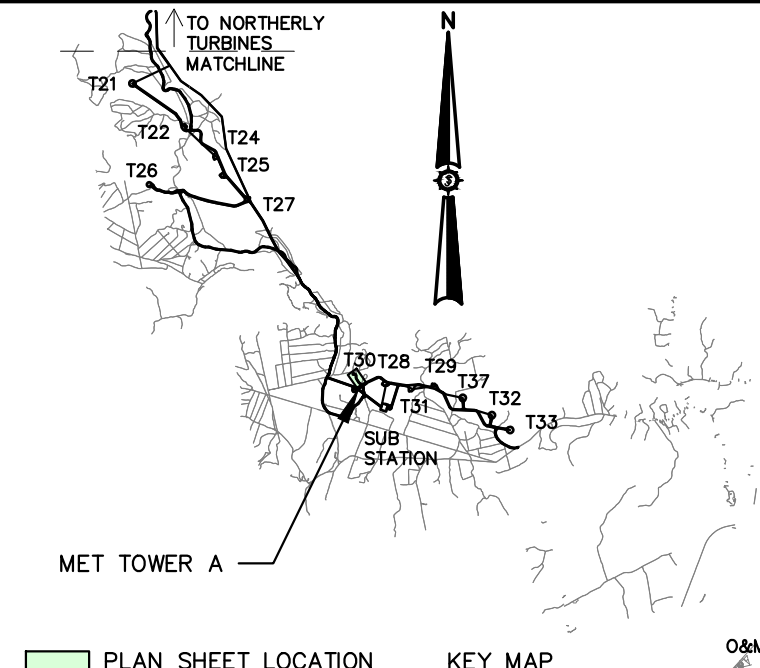
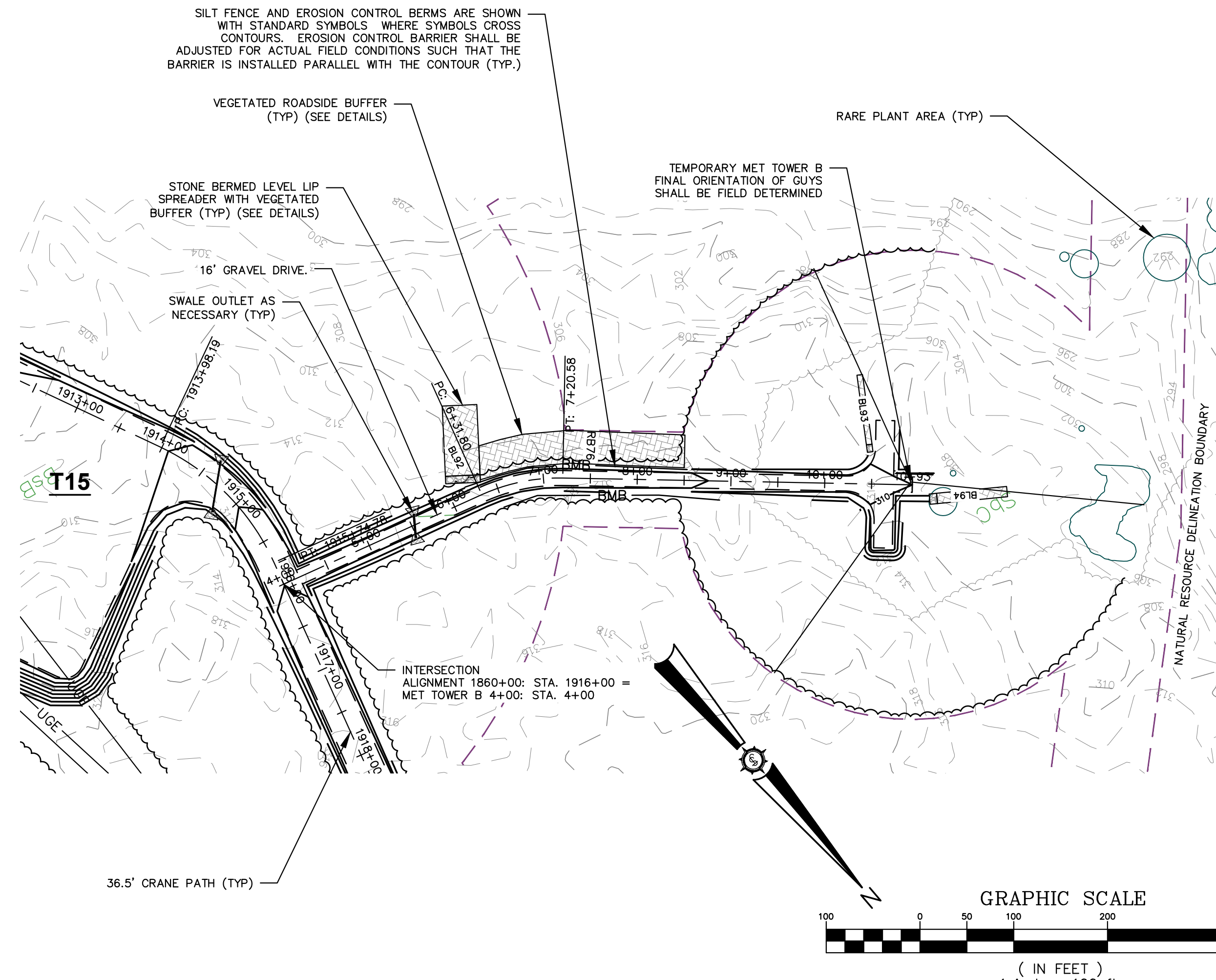
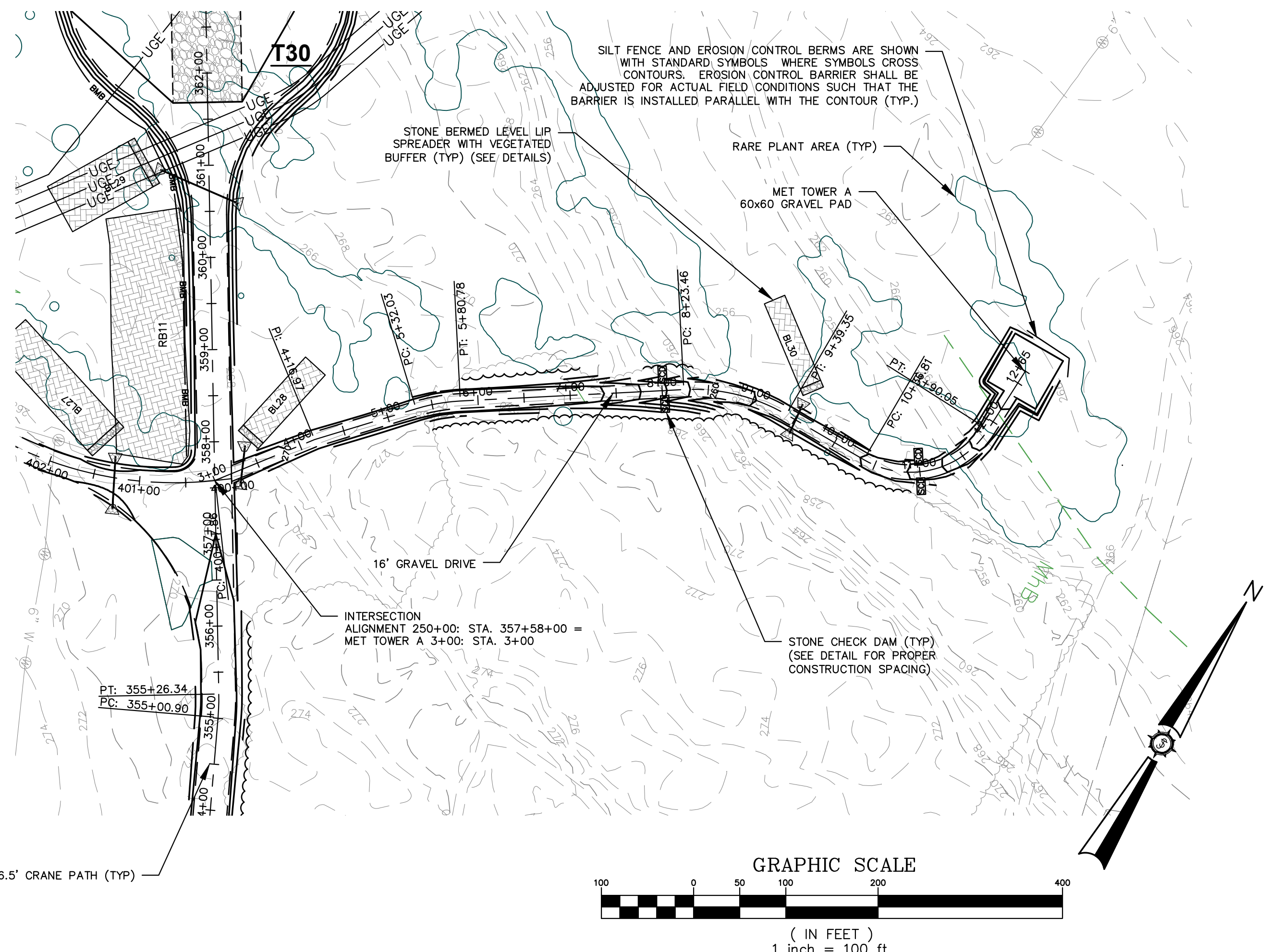
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Sheet No.
2.5

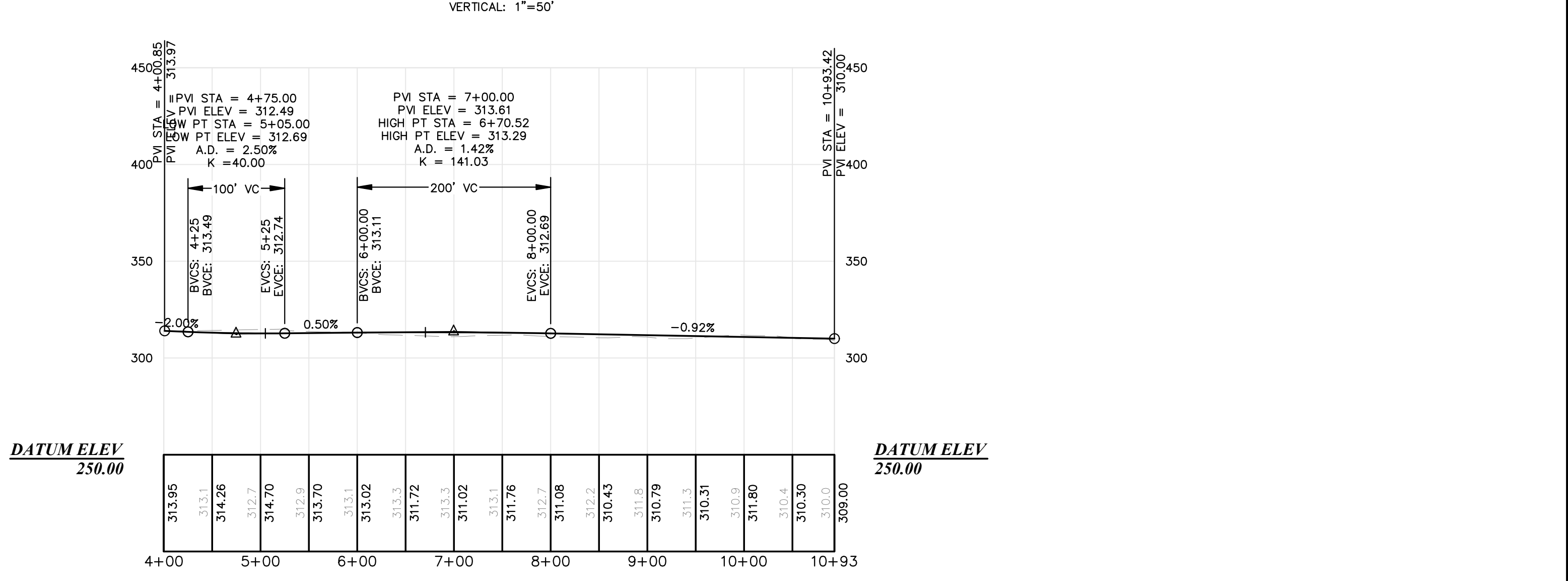
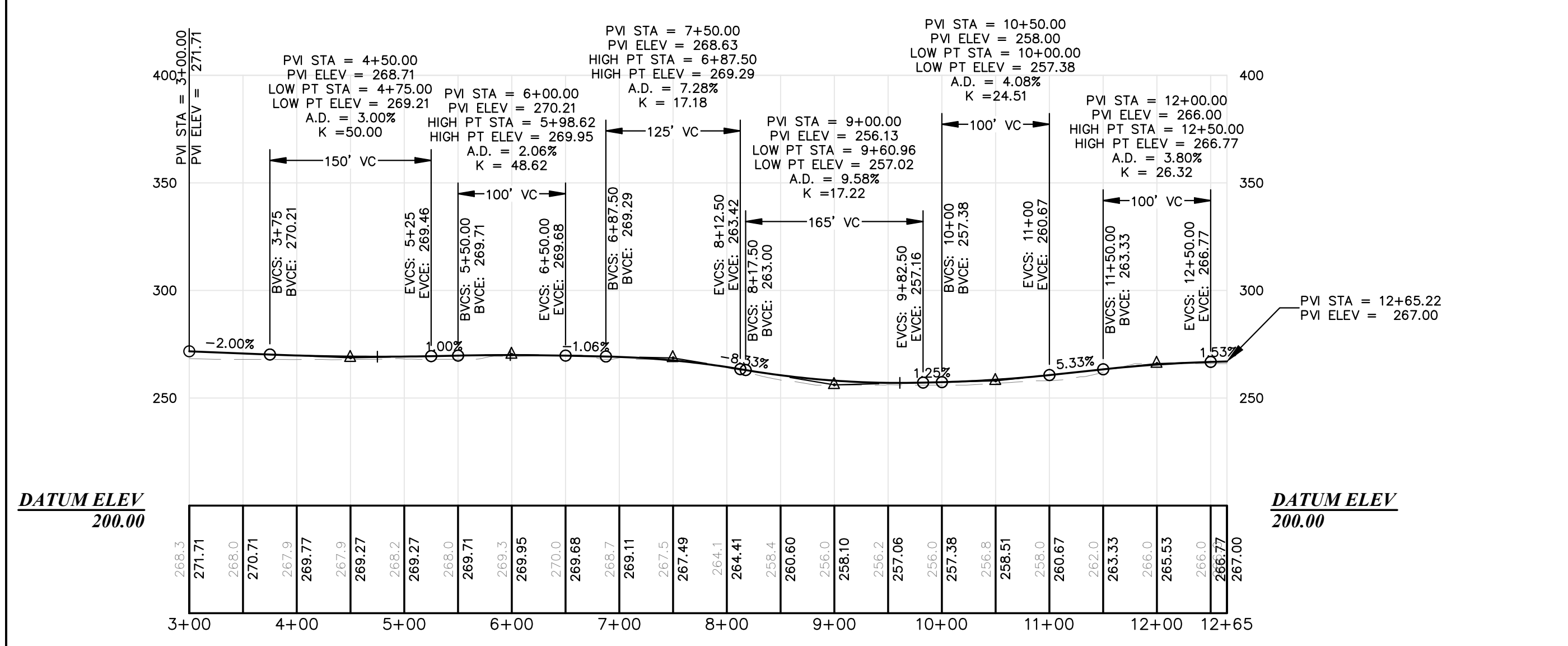


HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

MET TOWER A
3+00.00 - 12+65.22

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

MET TOWER B
4+00.00 - 10+93.42

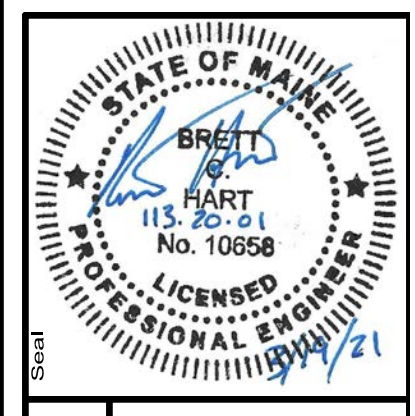


Drawn By	MIFB
Checked By	JSM
Approved By	BCH
Designated By	BCH
Date	03/19/2021
Scale	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
CHARLOTTESVILLE, VA

Project Location
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
MET TOWERS



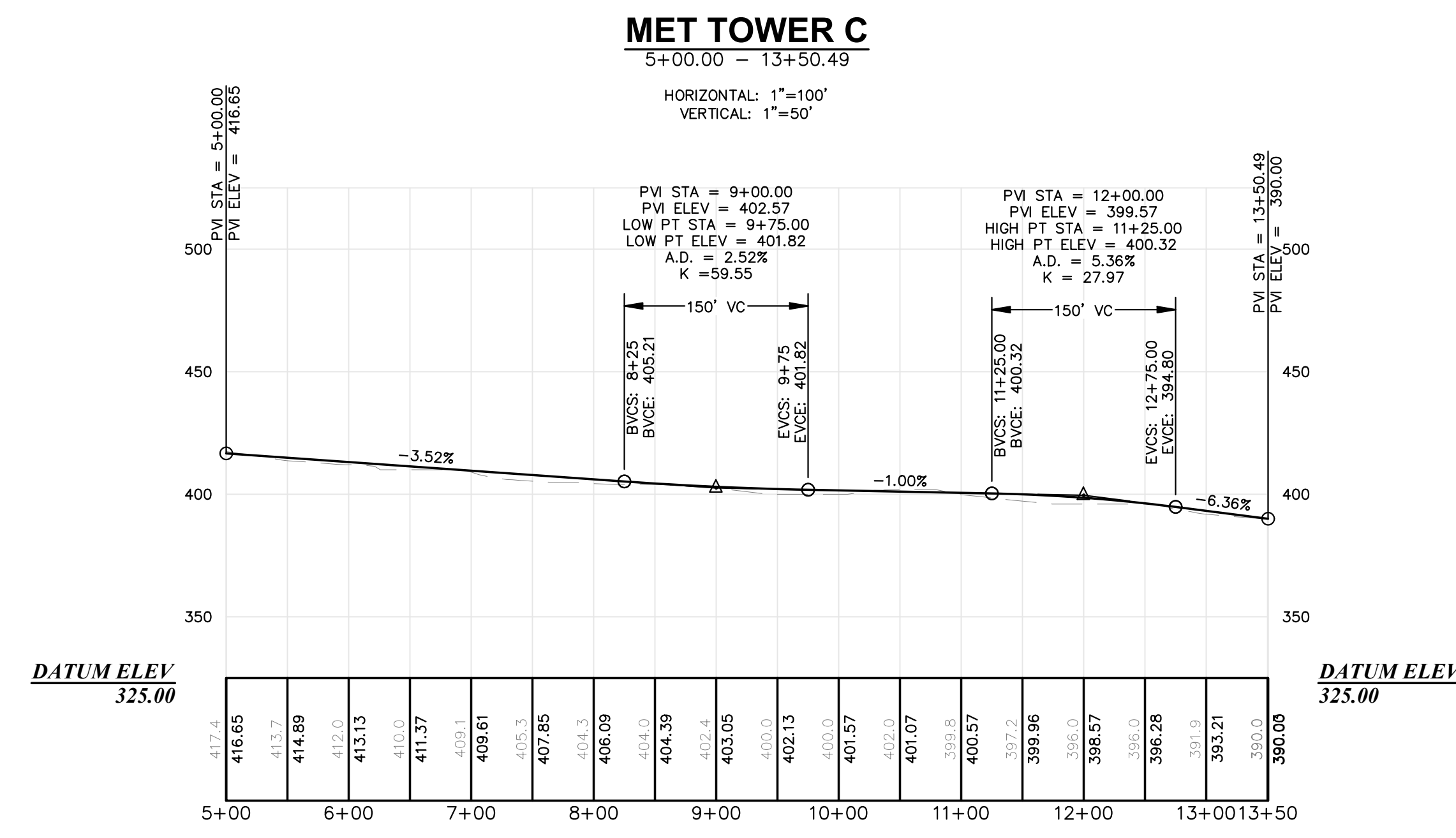
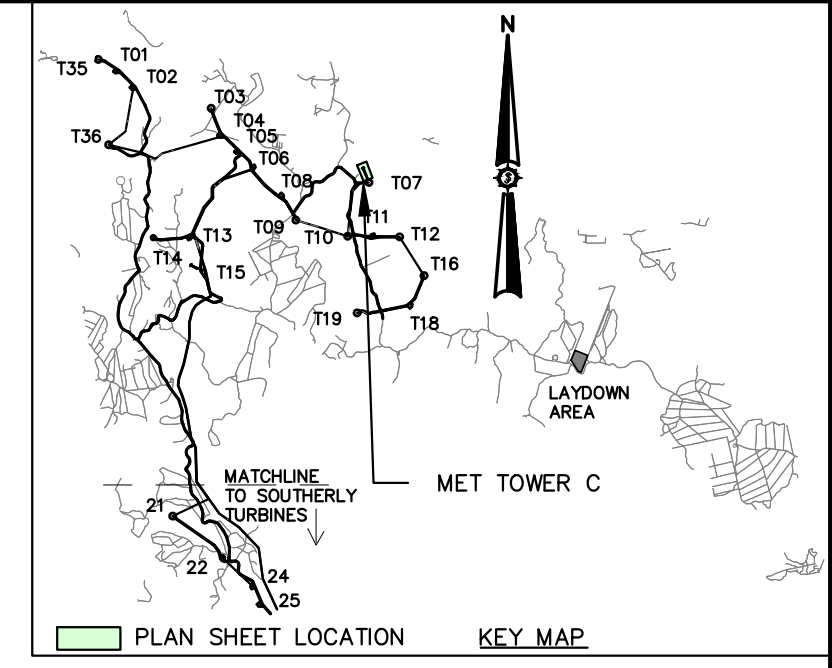
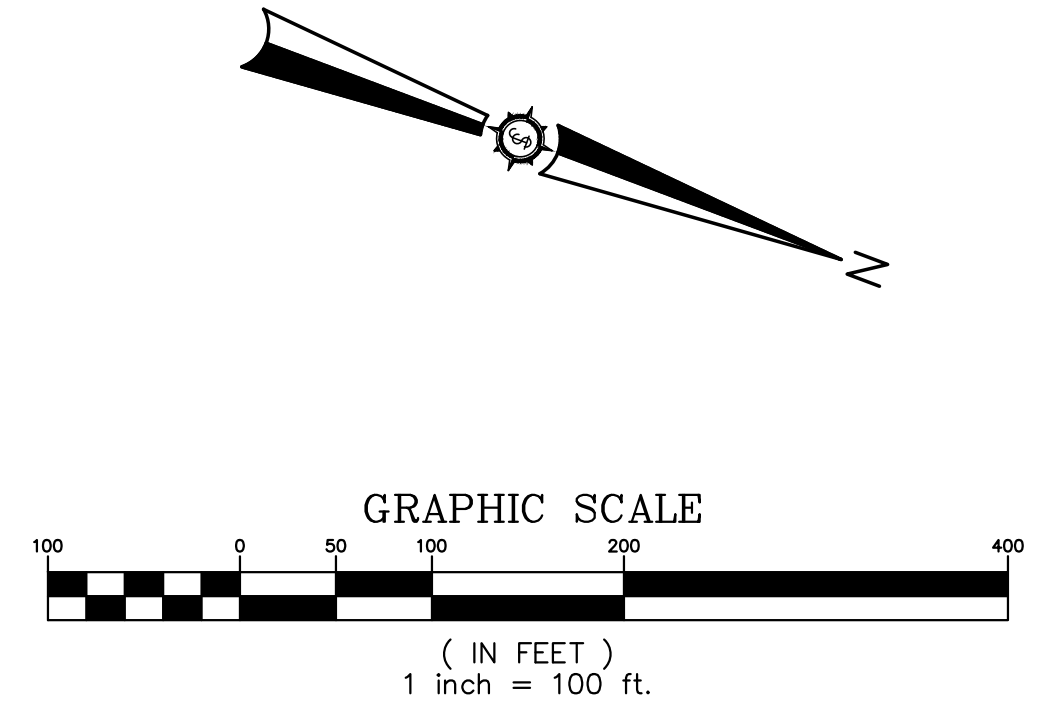
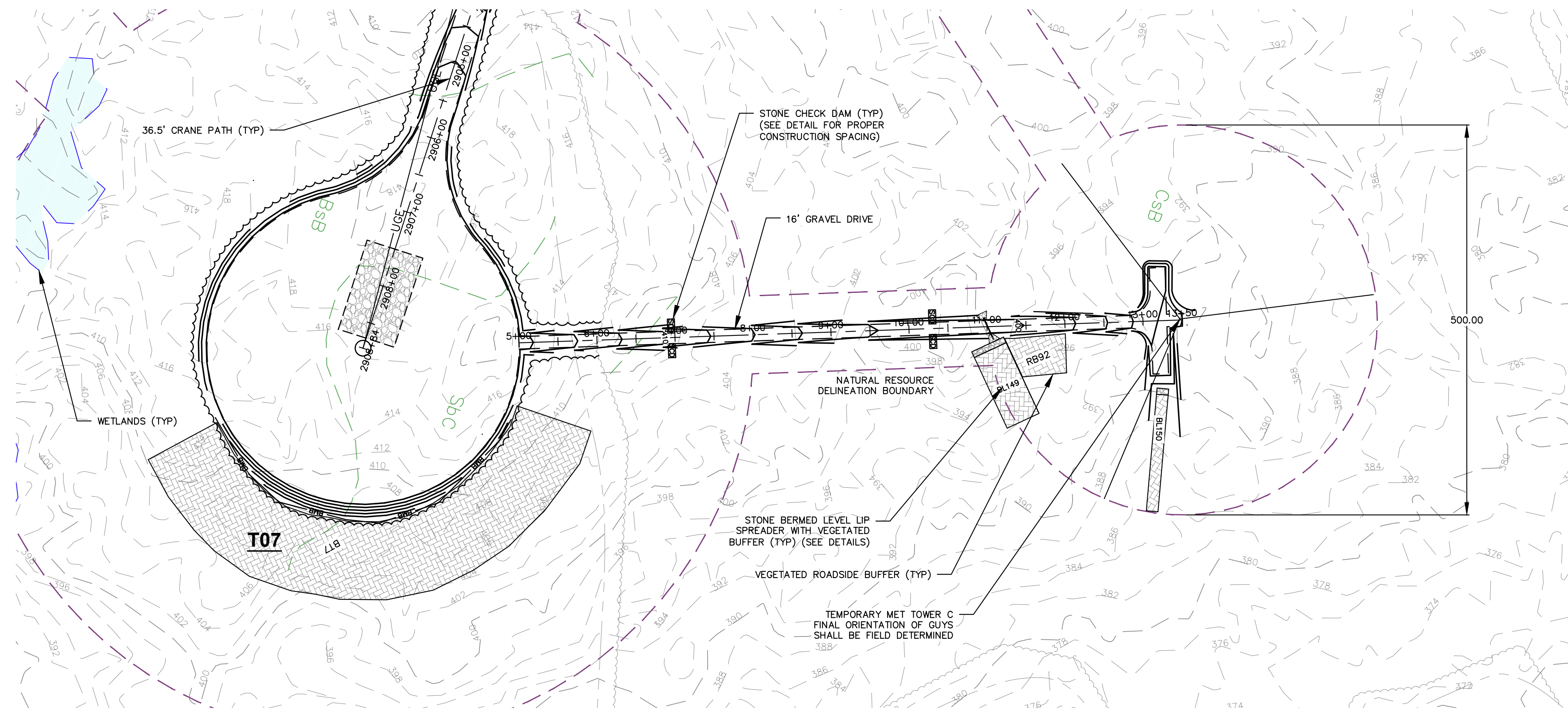
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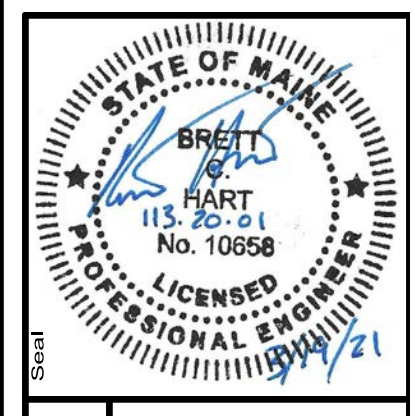
NOT FOR CONSTRUCTION



Rev. #	Drawn By	Description	Date

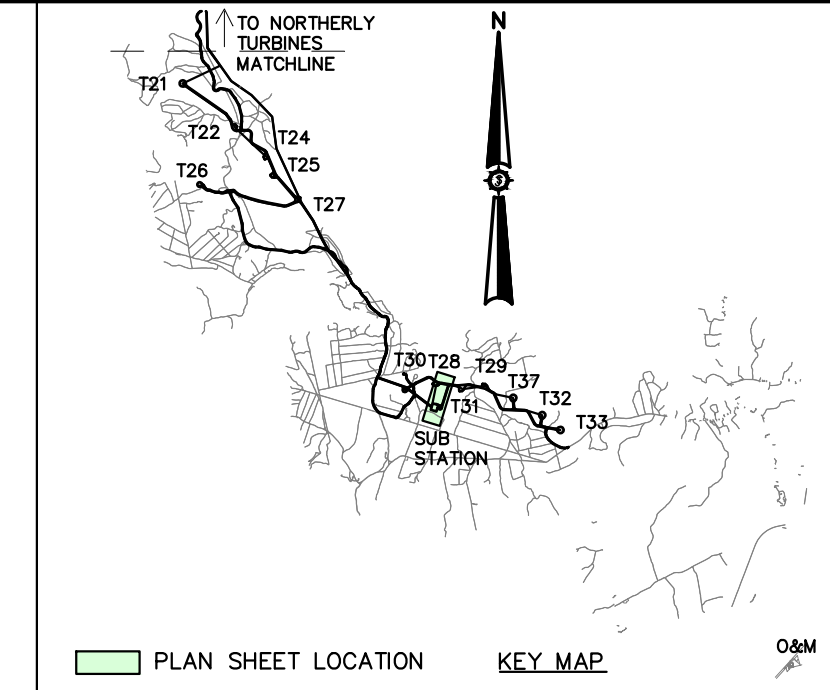
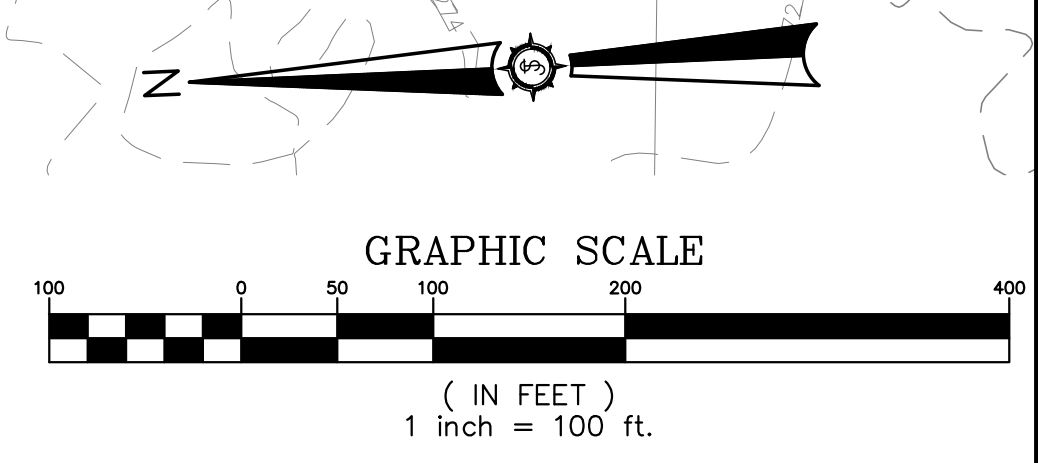
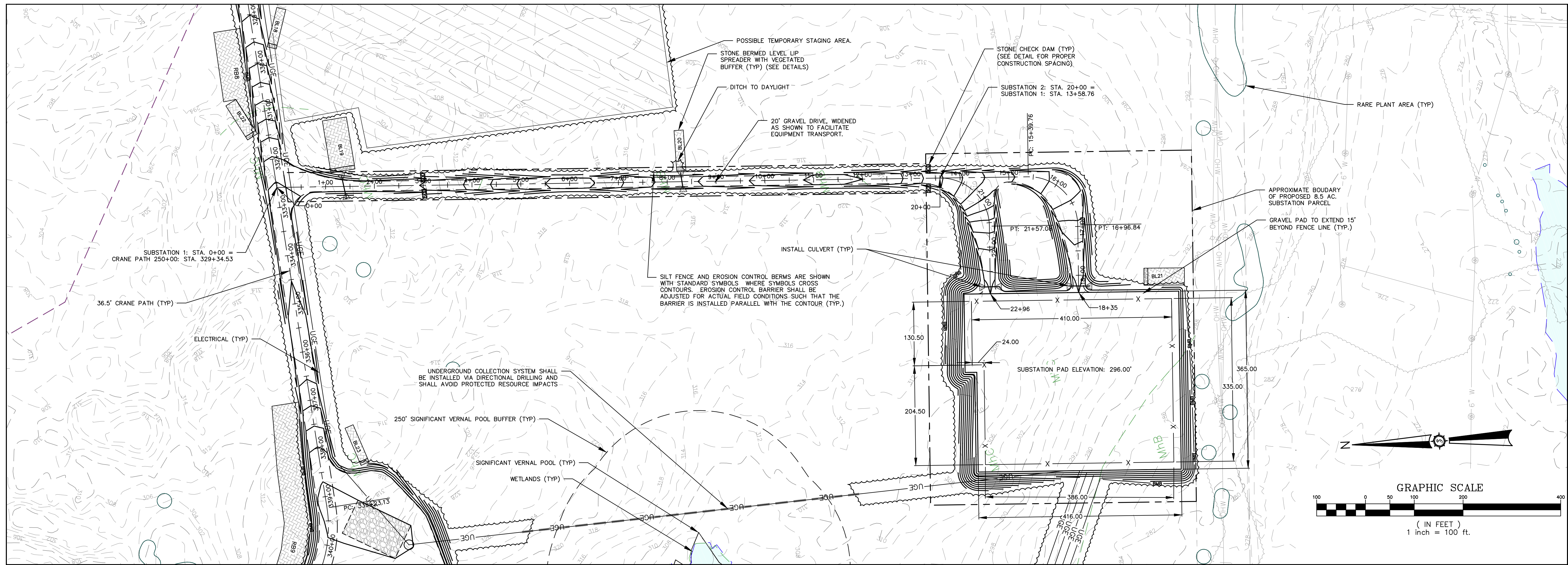
Designed By: BCH
Drawn By: MTFB
Date: 03/19/2021
Scale:
Approved: BCH
Checked: JSM

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description: **MET TOWERS**



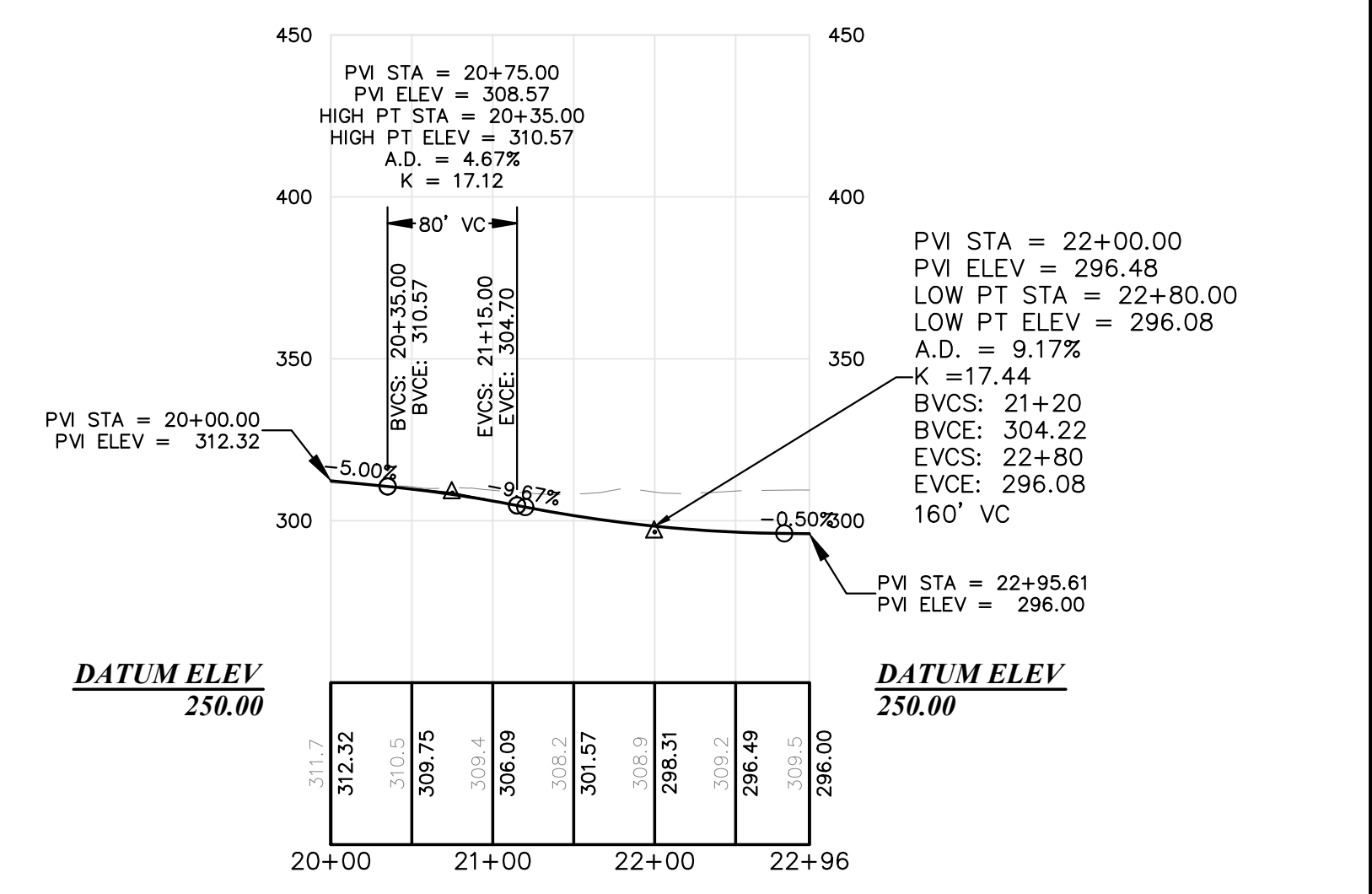
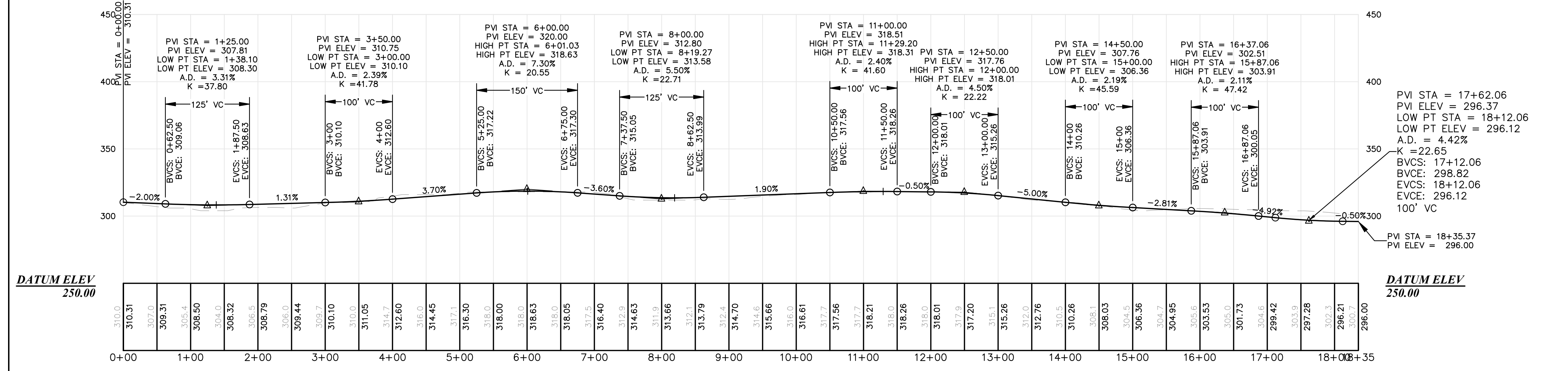
Project No.: 113.20.01
Phase: SURVEYING
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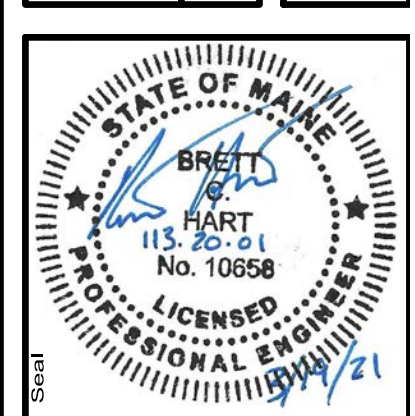
SUBSTATION 1
0+00.00 - 18+35.37

SUBSTATION 2
20+00.00 - 22+95.61



Drawn By	MIFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Approved	BCH
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	SUBSTATION

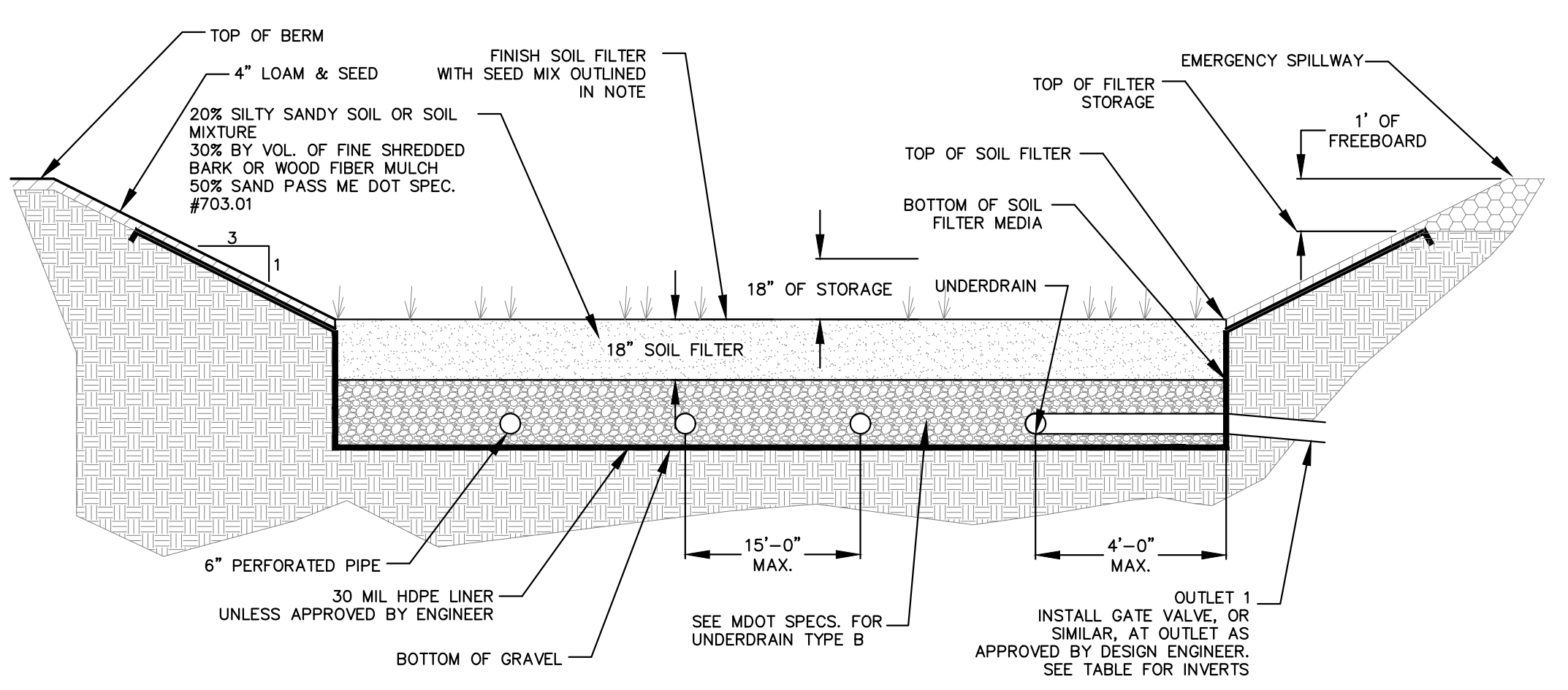
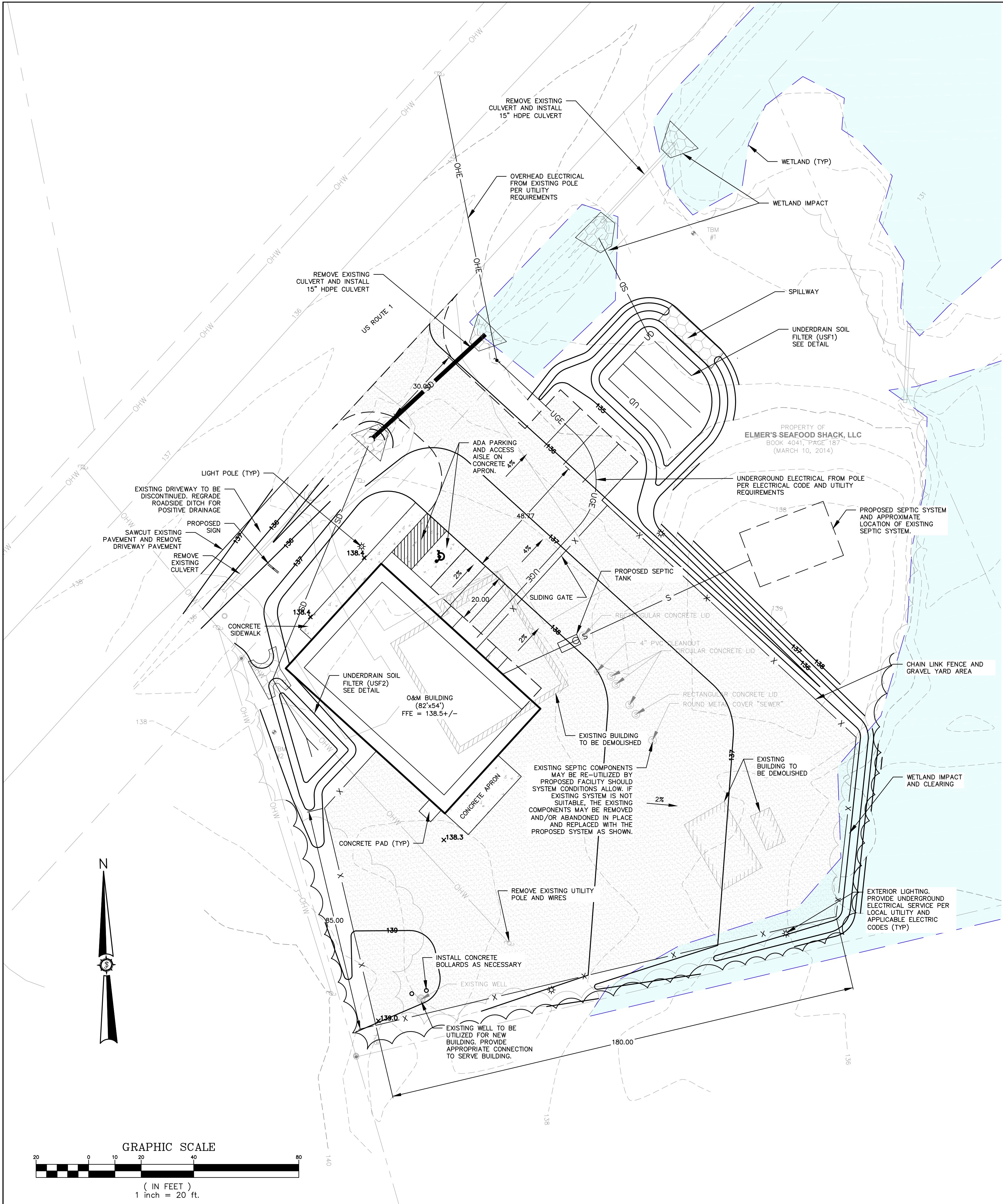
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: SUBSTATION



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ME DOT Specifications for Aggregate (MDDT #703.01)

Sieve Size	% by Weight
#3/4"	100
#4	95-100
#8	80-100
#16	50-85
#30	25-60
#60	10-30
#100	2-10
#200	0-5

Sandy Loam to Fine Sandy Loam Specifications

Sieve Size	% by Weight
#4	75-95
#10	60-90
#40	35-85
#200	20-70
200(clay size)	<2.0

NOTE: UNDERDRAIN PIPE DIAMETER SHALL BE 6" UNLESS OTHERWISE NOTED.
 THE UNDERDRAINED SOIL FILTER MUST BE PLANTED WITH A SPECIES TOLERANT OF FREQUENT INUNDATION SUCH AS A NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AS AVAILABLE FROM NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA, CONTAINING THE FOLLOWING:
 UPLAND BENTGRASS, CREEPING BENTGRASS, FOX SEDGE, SOFT RUSH, GREEN BULRUSH, WOOL GRASS, GRASS-LEAVED GOLDENROD, BLUE VERVAIN, VIRGINIA WLD RYE, CREEPING RED FESCUE, SWITCH GRASS, LITTLE BLUESTEM, BONESET, SENSITIVE FERN, BIG BLUESTEM, NIAGRA NEW ENGLAND ASTER.
 APPLIED AT A RATE OF 35 LBS/ACRE. LIGHTLY MULCH WITH CLEAN WEED FREE STRAW TO CONSERVE MOISTURE.

ME DOT Specifications for Underdrain Type B

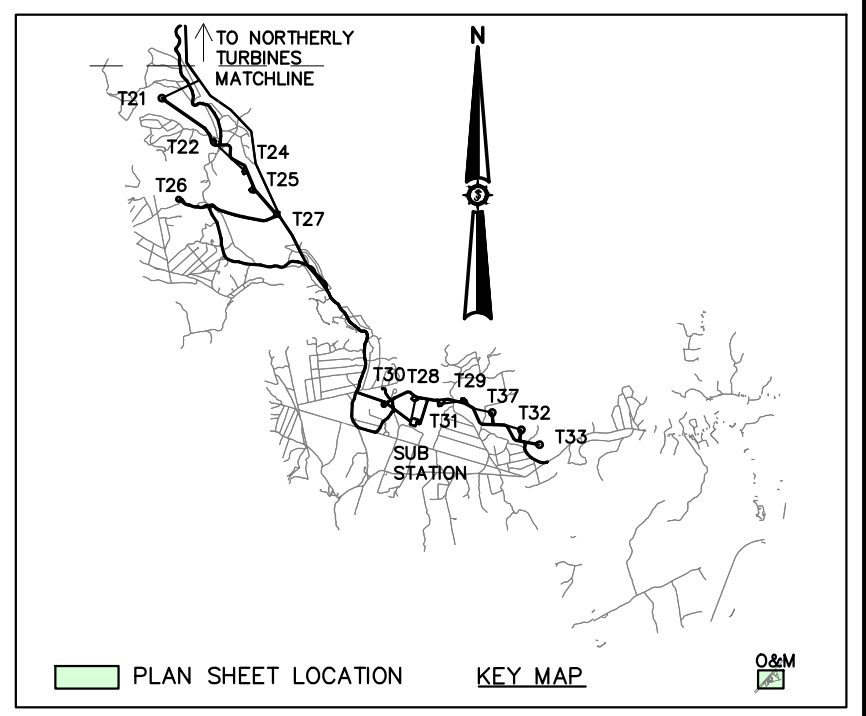
Sieve Size	% by Weight
1"	90-100
1/2"	75-100
#4	50-100
#20	15-80
#50	0-15
#200	0-5

	TOP OF BERM	TOP OF SPILLWAY ELEV./LENGTH	TOP OF SOIL FILTER	BOTTOM OF SOIL MEDIA	BOTTOM OF GRAVEL	OUTLET 1 (UD) DIA./LENGTH	OUTLET 1 (UD) ELEV. IN/OUT
USF 1	135.00	134.50/25 FT	133.00	131.50	130.33	4"/36 FT	130.67/130.30
USF 2	137.50	137.00/15 FT	135.50	134.00	132.83	4"/100 FT	133.17/132.17

GENERAL NOTES FOR UNDERDRAIN FILTER BASINS:

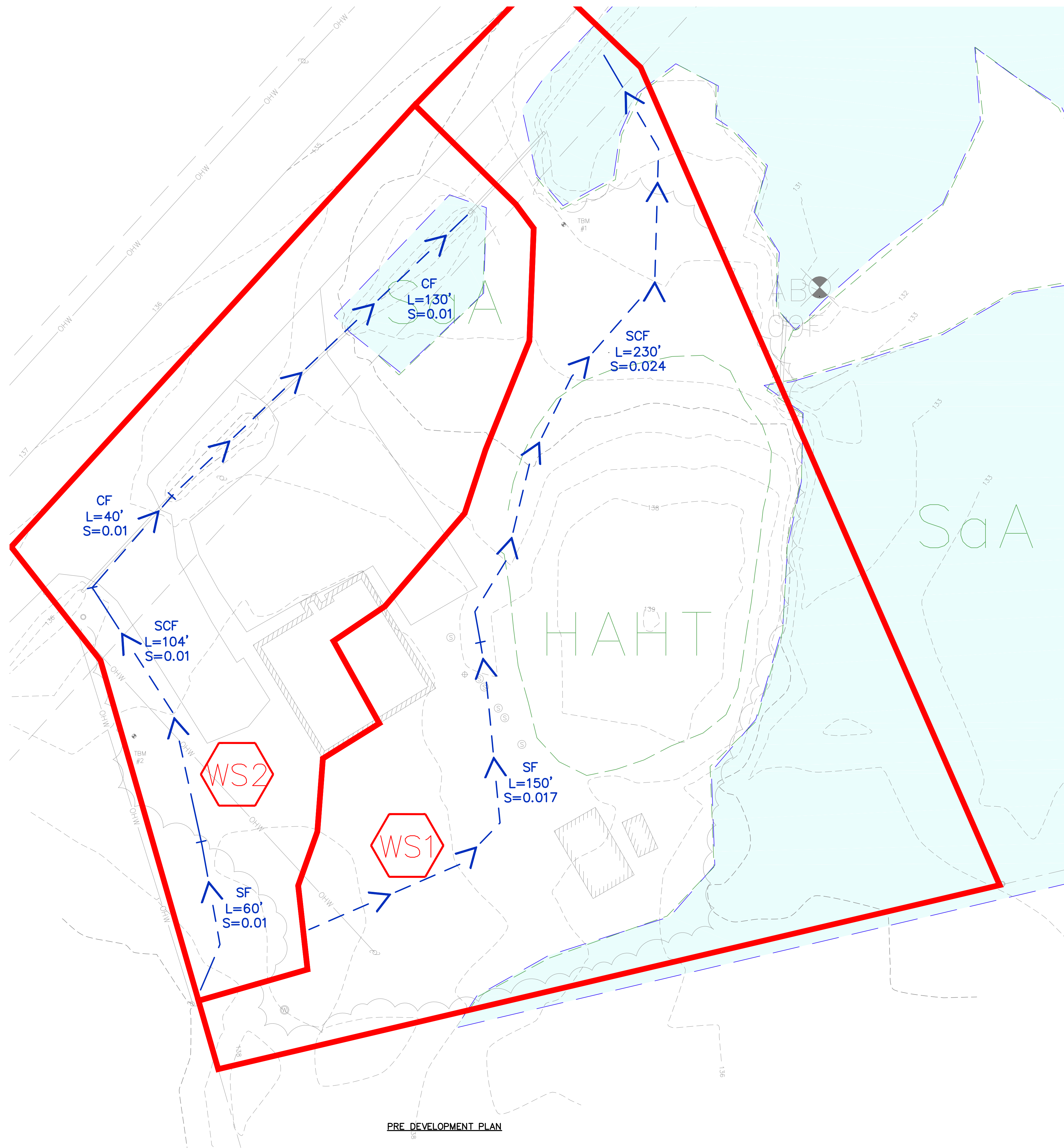
- CONSTRUCTION SEQUENCE:**
1. THE SOIL FILTER MEDIA AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE FILTER HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE, 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION UNLESS THE RUNOFF FROM THE CONTRIBUTING AREA IS DIVERTED AROUND THE FILTER INTO A TEMPORARY BASIN FOR SEDIMENT REMOVAL UNTIL STABILIZATION IS COMPLETED.
- COMPACTION OF SOIL FILTER:**
1. FILTER SOIL MEDIA AND UNDERDRAIN BEDDING MATERIAL MUST BE COMPACTED TO BETWEEN 90% AND 92% STANDARD PROCTOR. THE BED SHOULD BE INSTALLED IN AT LEAST TWO LIFTS OF 9 INCHES TO PREVENT POCKETS OF LOOSE MEDIA.
- CONSTRUCTION OVERSIGHT - INSPECTION BY A PROFESSIONAL ENGINEER WILL OCCUR AT A MINIMUM:**
1. AFTER THE PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED.
 2. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA.
 3. AFTER THE FILTER MEDIA HAS BEEN INSTALLED AND SEEDING. BIO-RETENTION CELLS MUST BE STABILIZED PER THE PROVIDED PLANTING SCHEME AND DENSITY FOR THE CANOPY COVERAGE OF 30 AND 50%.
 4. WITHIN 30 DAYS OF COMPLETION OF THE UNDERDRAINED FILTER BASIN, THE APPLICANT MUST SUBMIT A LOG OF INSPECTION REPORTS DETAILING THE ITEMS INSPECTED, PHOTOS TAKEN, AND THE DATES OF EACH INSPECTION TO THE BUREAU OF LAND RESOURCES FOR REVIEW.
 5. AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS, AND ALL MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN MUST BE CONFIRMED AS SUITABLE BY THE DESIGN ENGINEER. TESTING MUST BE DONE BY A CERTIFIED LABORATORY TO SHOW THAT THEY HAVE PASSED DEP SPECIFICATIONS.
- TESTING AND SUBMITTALS:**
1. THE CONTRACTOR SHALL IDENTIFY THE LOCATION AND SOURCE OF EACH COMPONENT OF THE FILTER MEDIA. ALL RESULTS OF FIELD AND LABORATORY TESTING SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR CONFIRMATION. THE CONTRACTOR SHALL:
 - A. SELECT SAMPLES FOR SAMPLING OF EACH TYPE OF MATERIAL TO BE BLENDED FOR THE MIXED FILTER MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
 - B. PERFORM A SIEVE ANALYSIS CONFORMING TO ASTM C136 (STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COURSE AGGREGATES 1996A) ON EACH TYPE OF THE SAMPLE MATERIAL. THE RESULTING SOIL FILTER MEDIA MIXTURE MUST HAVE 8% TO 12% BY WEIGHT PASSING THE #200 SIEVE, A CLAY CONTENT OF LESS THAN 2% (DETERMINED HYDROMETER GRAIN SIZE ANALYSIS) AND HAVE 10% DRY WEIGHT OF ORGANIC MATTER.
 - C. PERFORM A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MIXTURE CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90-92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.
- OUTLET VALVE SETTING:**
1. SET VALVE AT THE OUTLET TO THE CLOSED POSITION.
 2. INSPECT SOIL FILTER AFTER RAIN EVENT, ONCE THE SOIL FILTER IS FULL OF WATER OPEN THE VALVE. NOTE THE TIME THAT THE VALVE WAS OPENED AND THE POSITION OF THE VALVE.
 3. CHECK THE SOIL FILTER 24 HOURS AFTER THE VALVE WAS OPENED. AT THE 24 HOUR MARK WATER SHOULD STILL BE COMING OUT OF THE OUTLET.
 4. CHECK THE FILTER AGAIN IN ANOTHER 24 HOURS (48 HOURS FROM THE VALVE BEING OPENED). AT THIS TIME THERE SHOULD BE NO MORE WATER COMING OUT OF THE OUTLET.
 5. THIS PROCESS SHOULD BE REPEATED UNTIL THE VALVE IS AT THE CORRECT POSITION SUCH THAT THE WATER DOES NOT DRAIN FROM THE FILTER BEFORE 24 HOURS BUT IS DRAINED BY 48 HOURS.
 6. MARK THE FINAL VALVE POSITION. CONTINUE THE REGULAR INSPECTIONS AND MAINTENANCE.

TYPICAL UNDERDRAIN SOIL FILTER
NOT TO SCALE

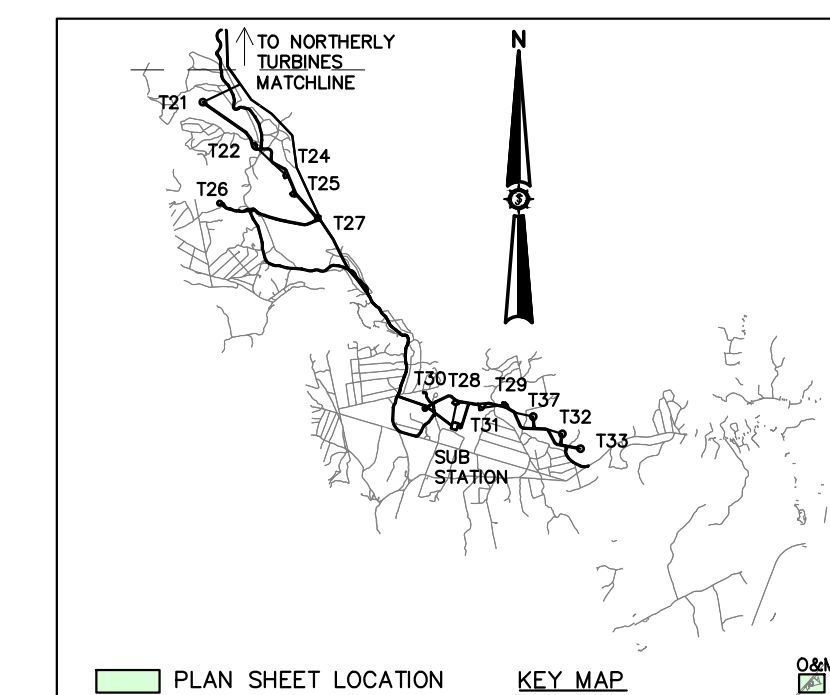
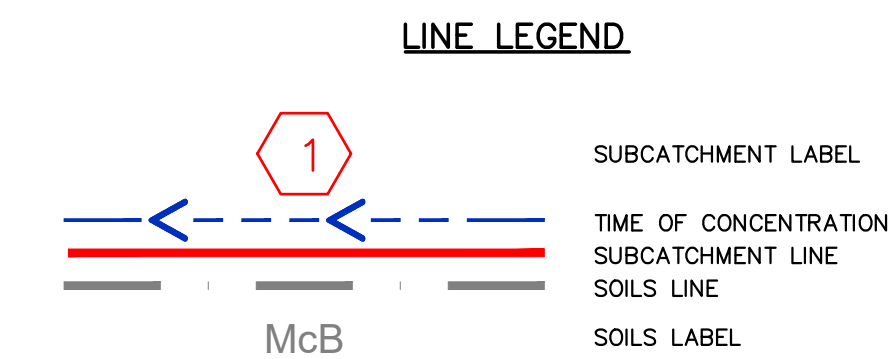
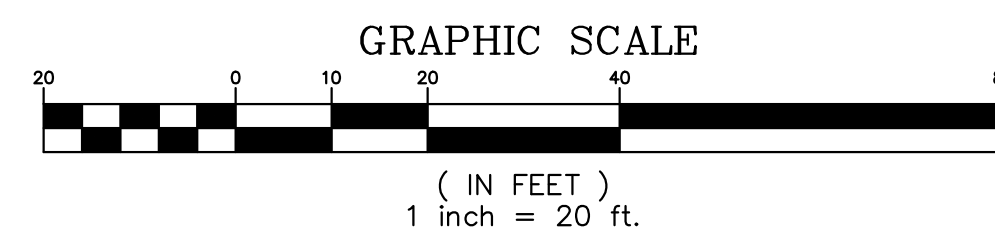


Project No. 113.20.01 Phase PERMIT Sheet No. 9.2	APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM <small>310 4th ST N.E., SUITE 200 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE</small> Project Location O&M	Drawn By MTEB Checked By JSM Design Date 03/19/2021 Scale Approved By BCH	STATE OF MAINE BRETT 113.20.01 No. 10858 LICENSED PROFESSIONAL ENGINEER
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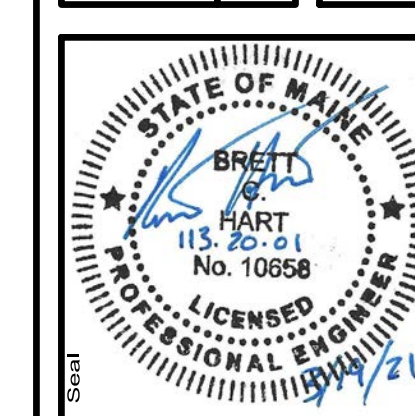


PRE DEVELOPMENT PLAN



Rev. #	Drawn By	Description	Date

Designed By BCH	Drawn By MTFB
Date 03/19/2021	Scale
Project Location COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE	
Approved BCH	Checked JSM



Project No. 113.20.01

ENGINEERING SURVEYING

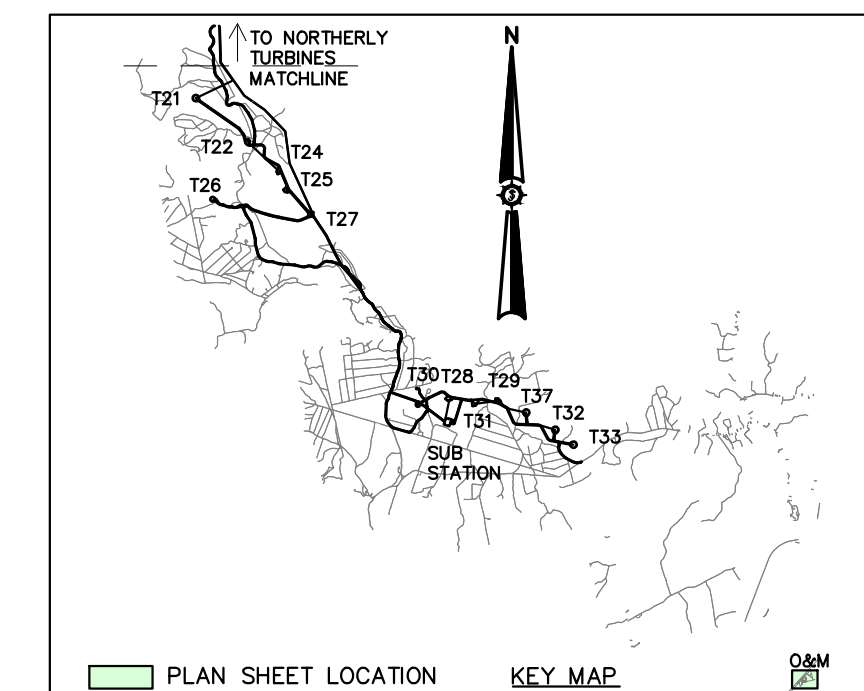
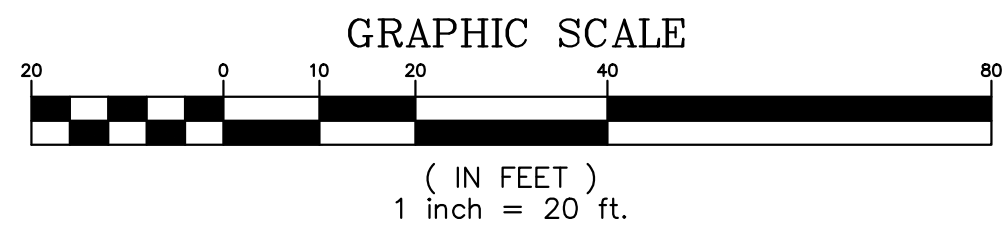
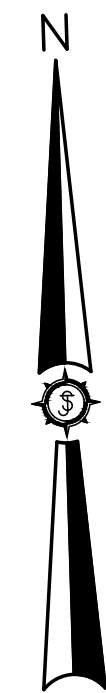
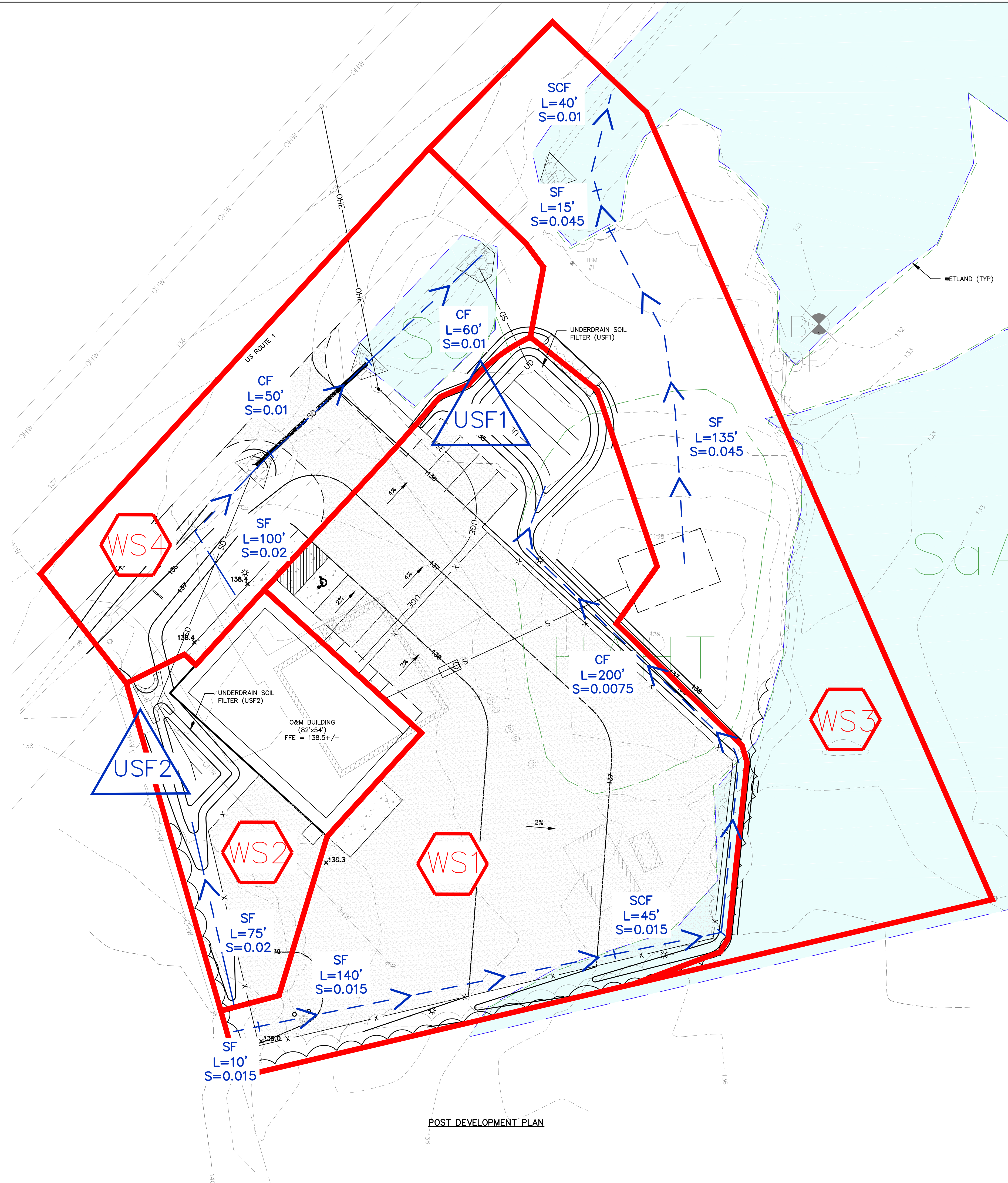
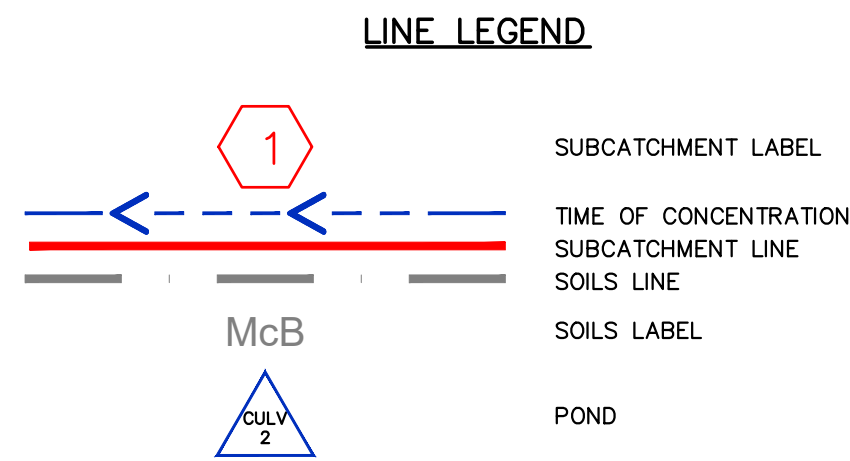
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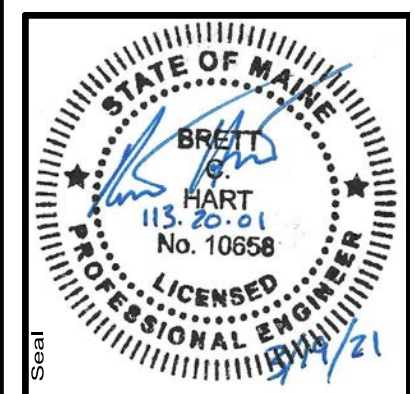
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Rev. #	Drawn By	Description	Date

Drawn By MITFB	Checked By JSM
Design By BCH	Approved By BCH
Date 03/19/2021	Scale
APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM 310 4th ST N.E., SUITE 200 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE Project Location	
O&M POST DEVELOPMENT DRAINAGE PLAN Drawing Description	



113.20.01

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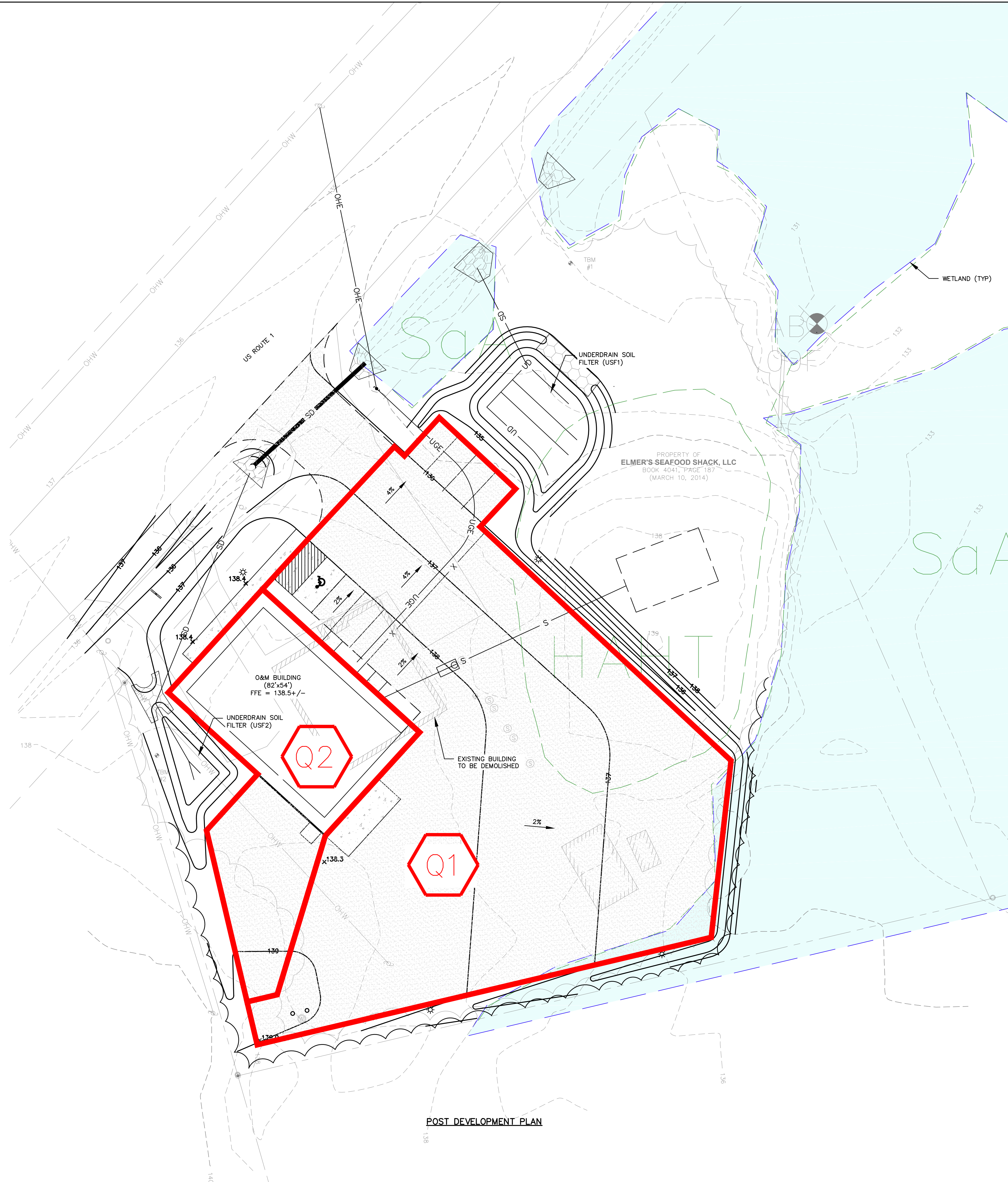
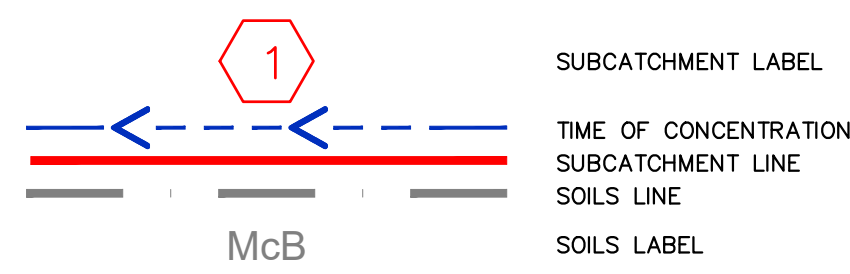
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Phase: **PERMIT**

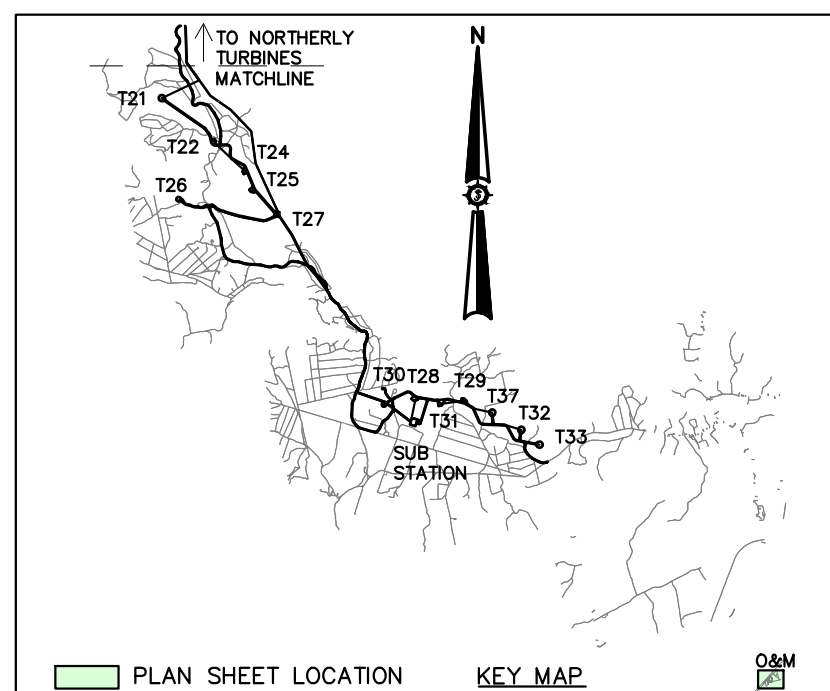
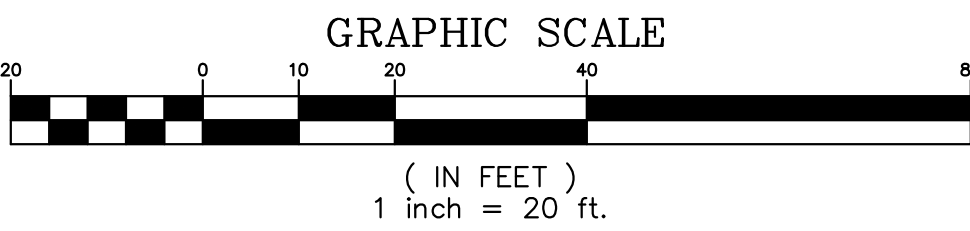
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LINE LEGEND



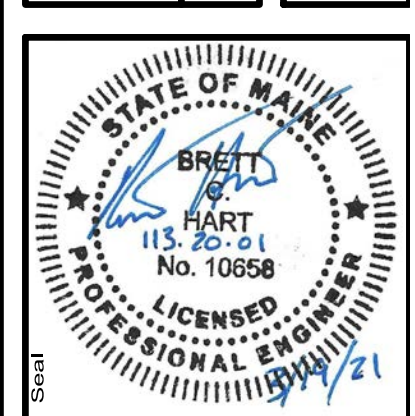
POST DEVELOPMENT PLAN



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Rev. #	Drawn By	Description	Date

Designated By BCH	Drawn By MITFB
Date 03/19/2021	Scale
Project Location COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE	
Approved BCH	Checked JSM



113.20.01

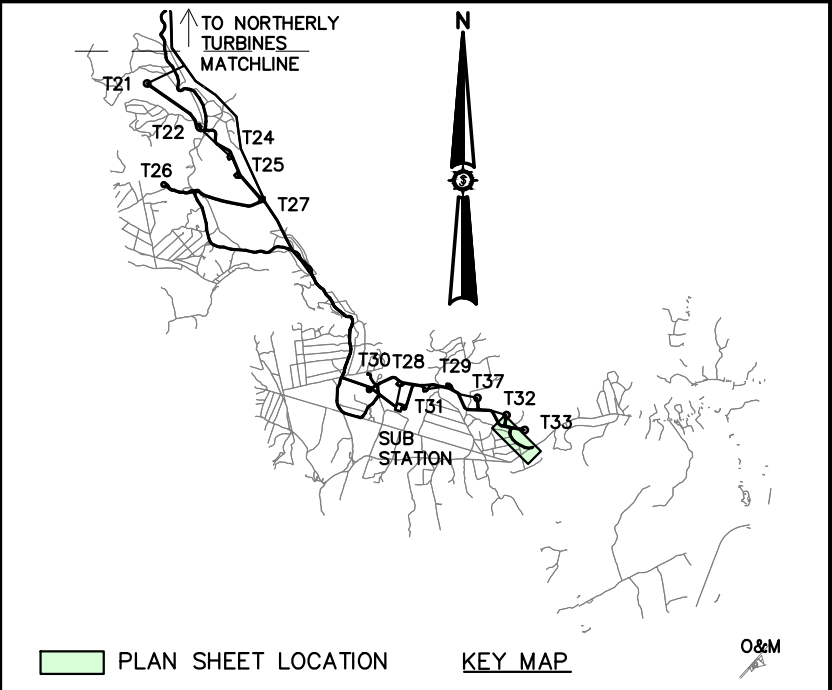
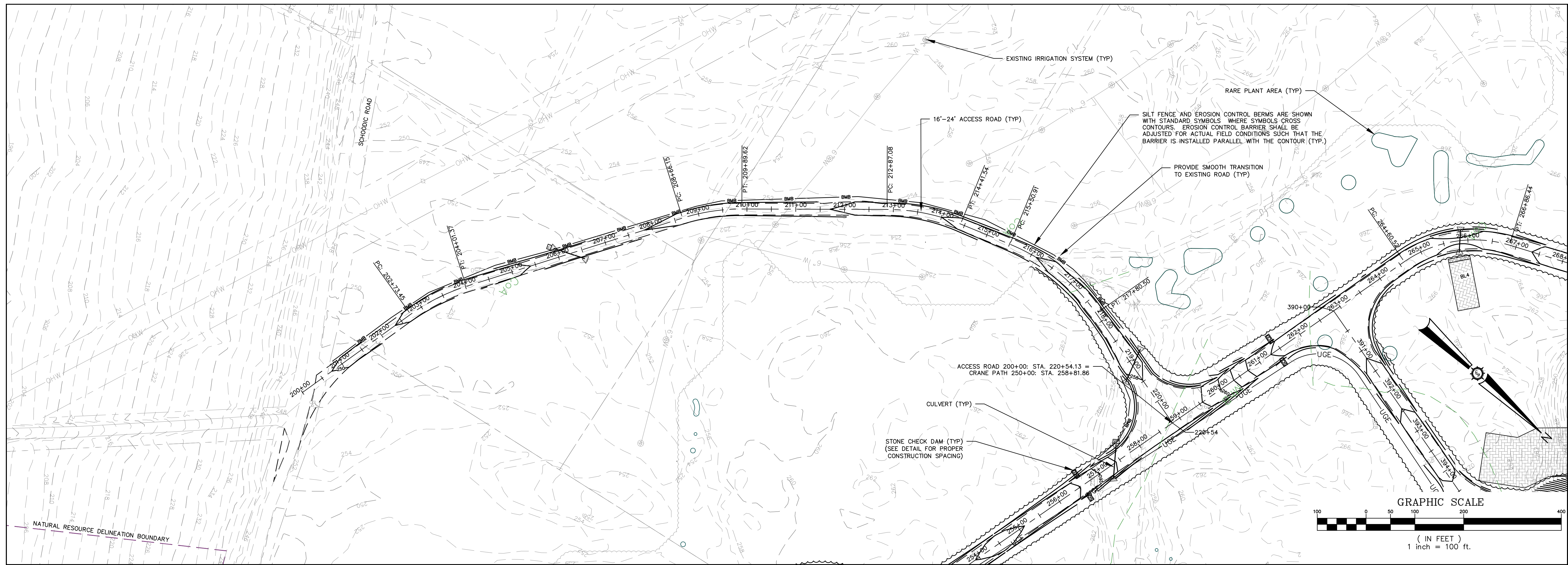
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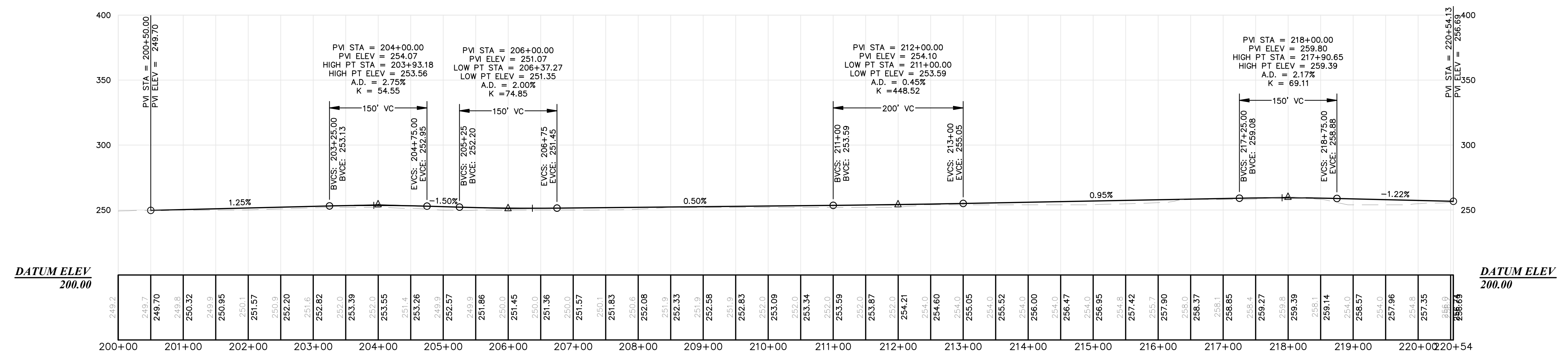
PERMIT

Sheet No. 9.5



ACCESS ROAD 200+00

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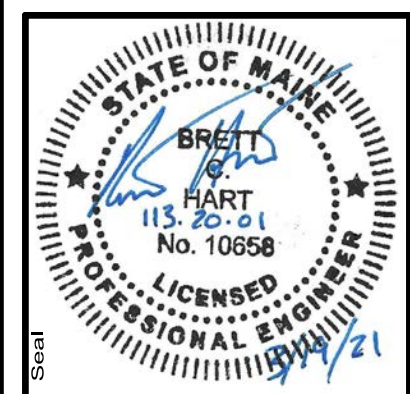


Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Approved	BCH
Description	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: PLAN AND PROFILE



Project No. 113.20.01

Phase: SURVEYING

ENGINEERING **Sewal** The evolution of expertise

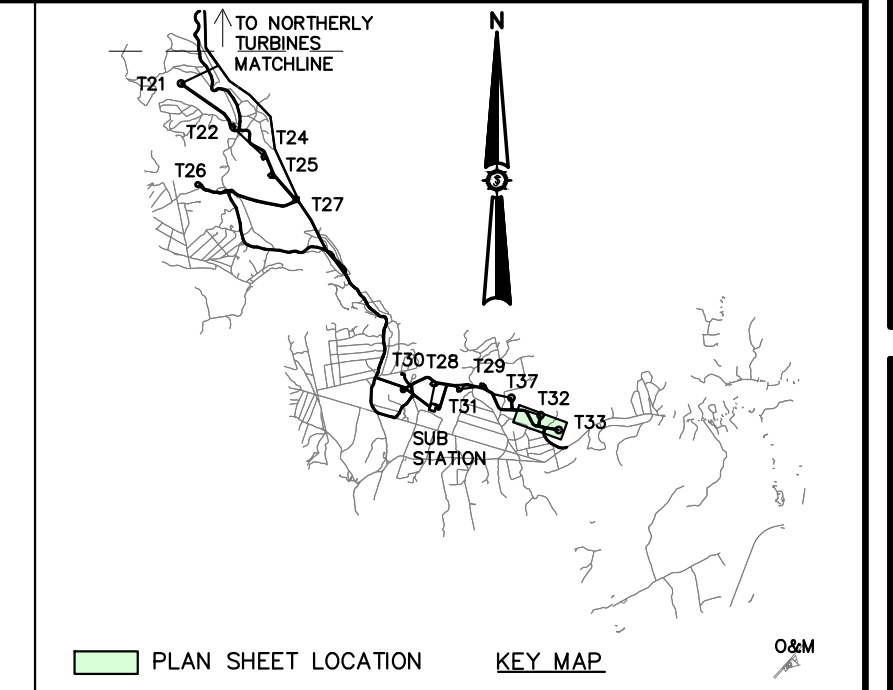
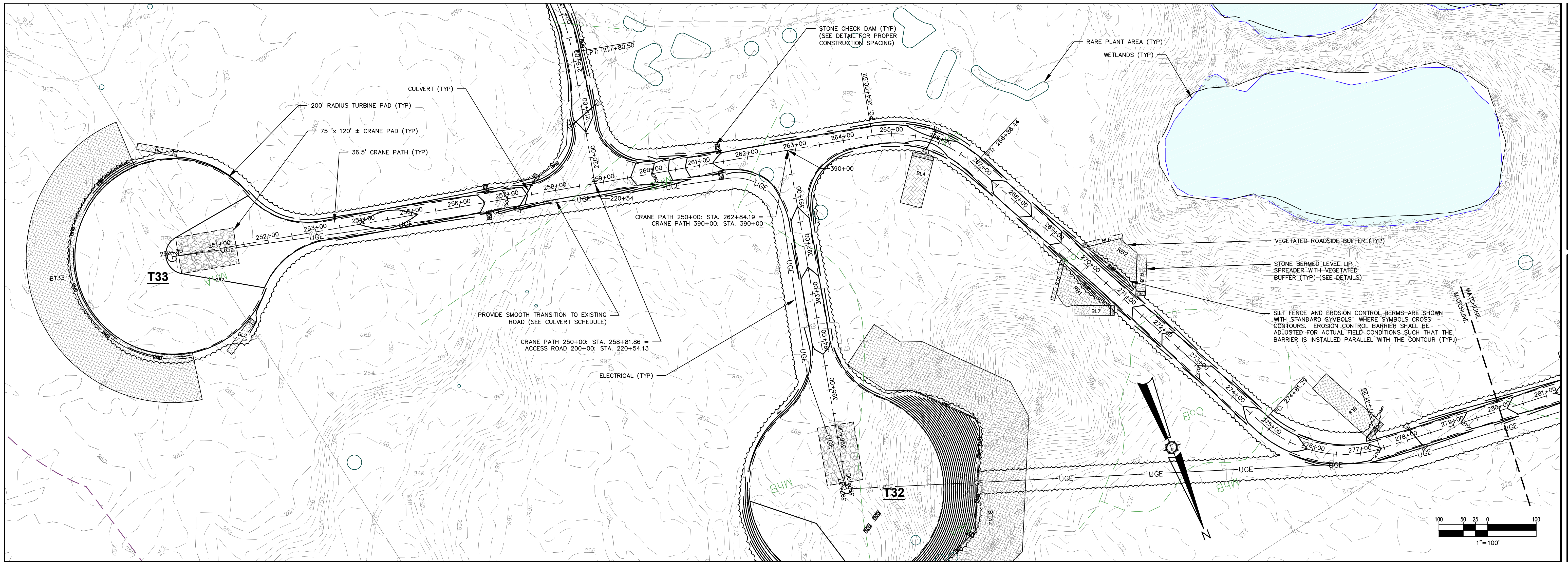
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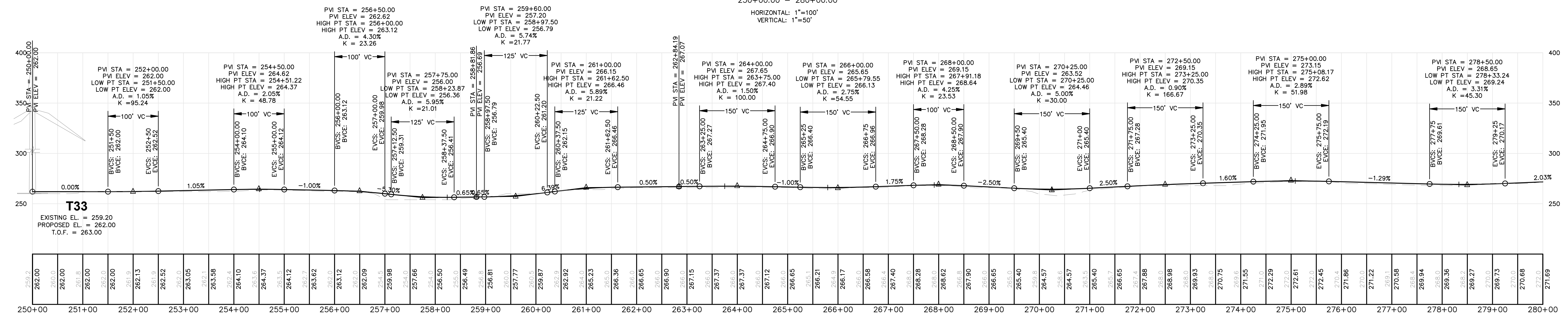
Sheet No. 10.1

NOT FOR CONSTRUCTION



CRANE PATH 250+00
250+00.00 - 280+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



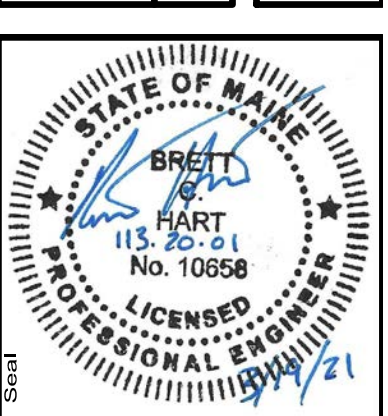
NOT FOR CONSTRUCTION

Drawn By	MIFB
Checked By	JSM
Designated By	BCH
Class	03/19/2021
Scale	
Approved	BCH
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: PLAN AND PROFILE



113.20.01

ENGINEERING SURVEYING

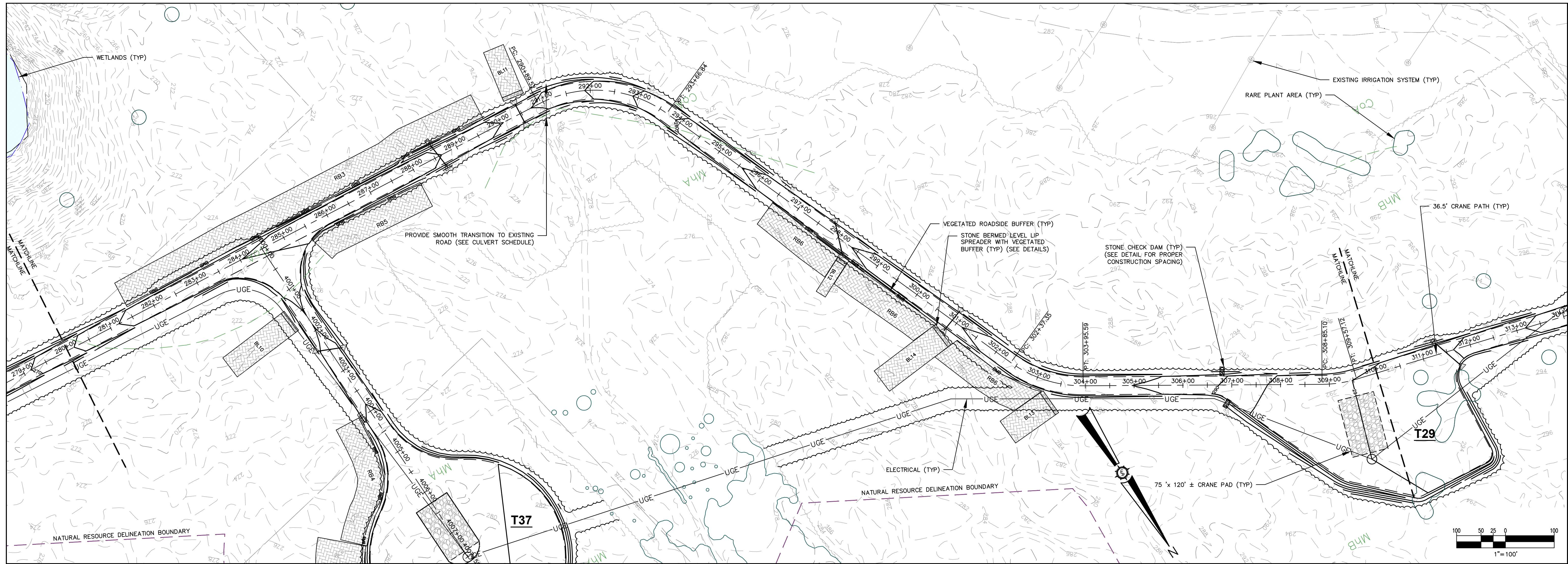
Sewal
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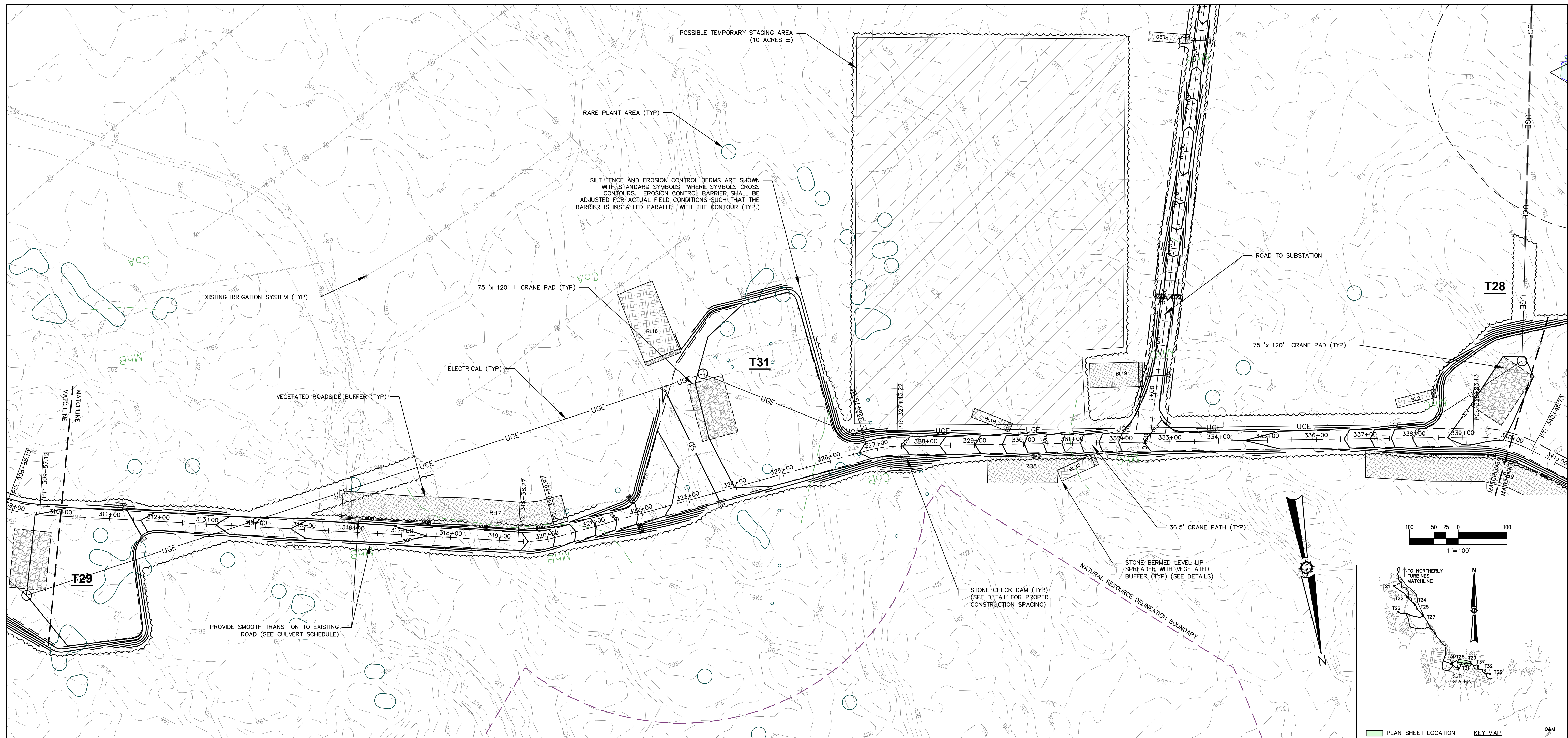
www.sewal.com

1 800 648 4202

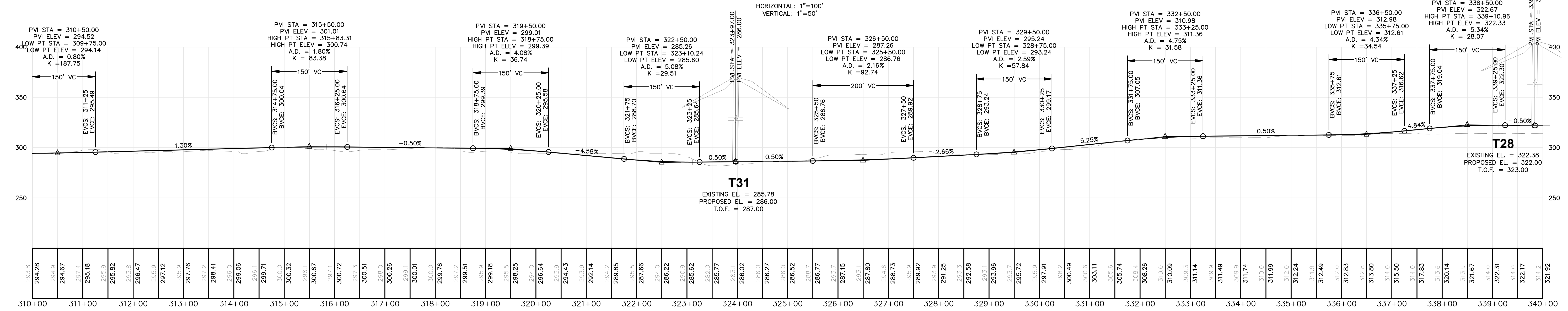
PERMIT

11.1





CRANE PATH 250+00
310+00.00 - 340+00.00



Drawn By	MIFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

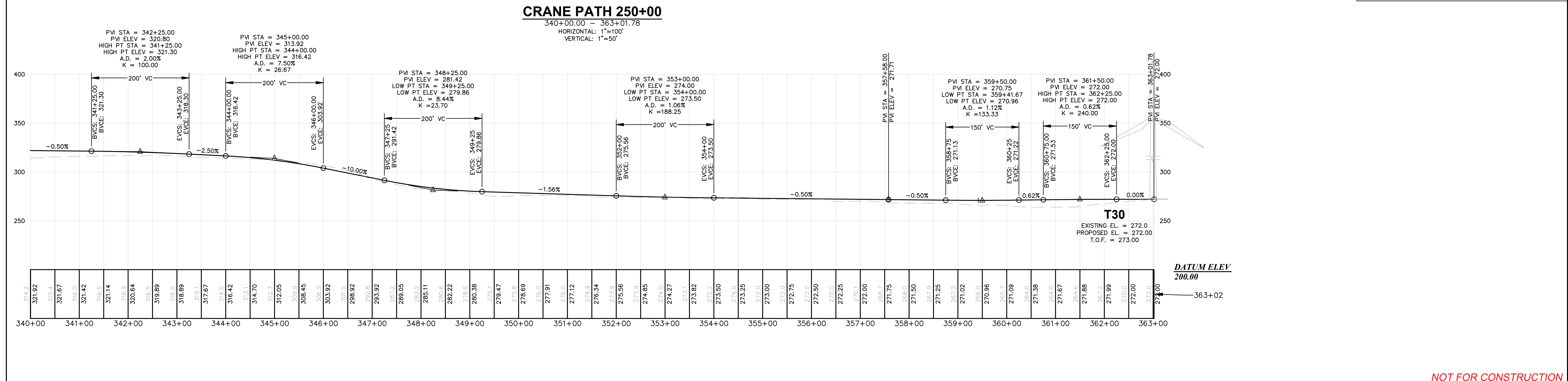
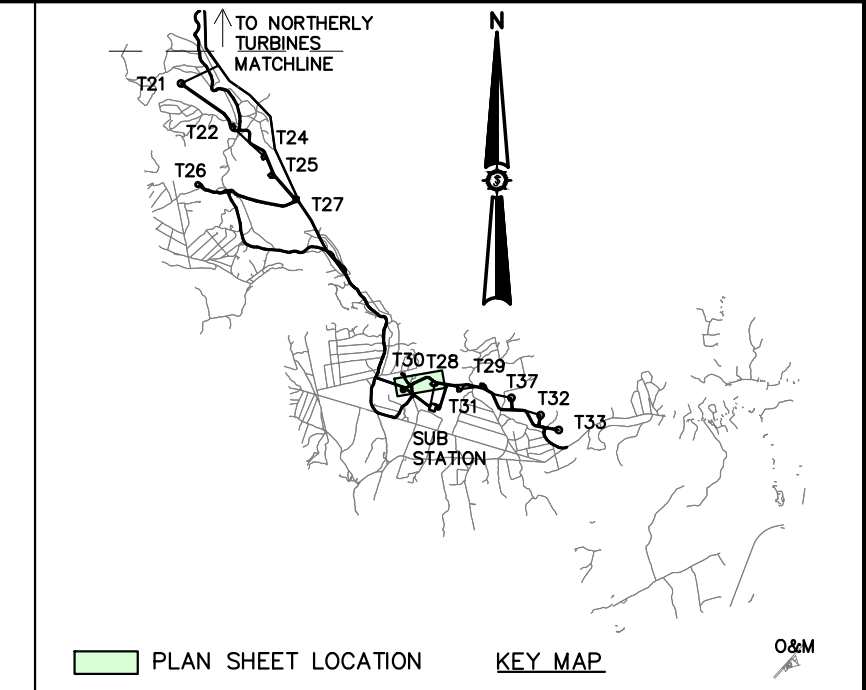
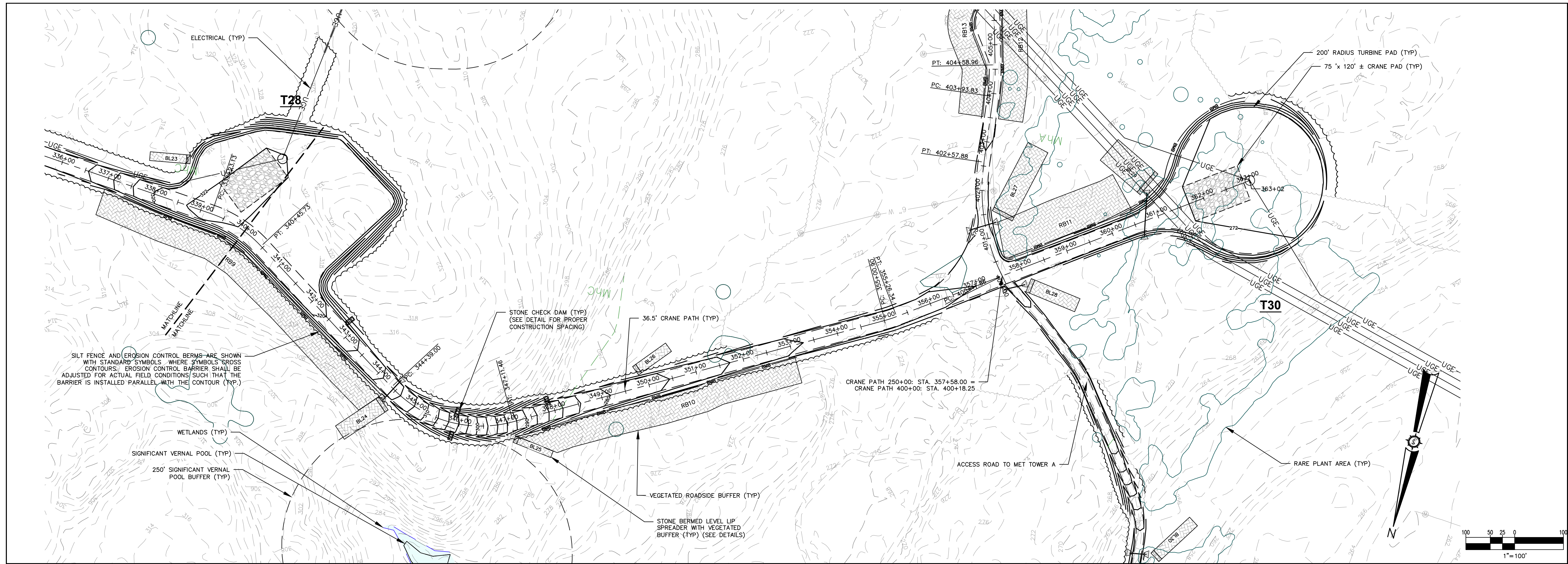
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
CHARLOTTEVILLE, VA

STATE OF MAINE
BRETT
HART
113.20.01
LICENSED PROFESSIONAL ENGINEER
No. 10858

113.20.01
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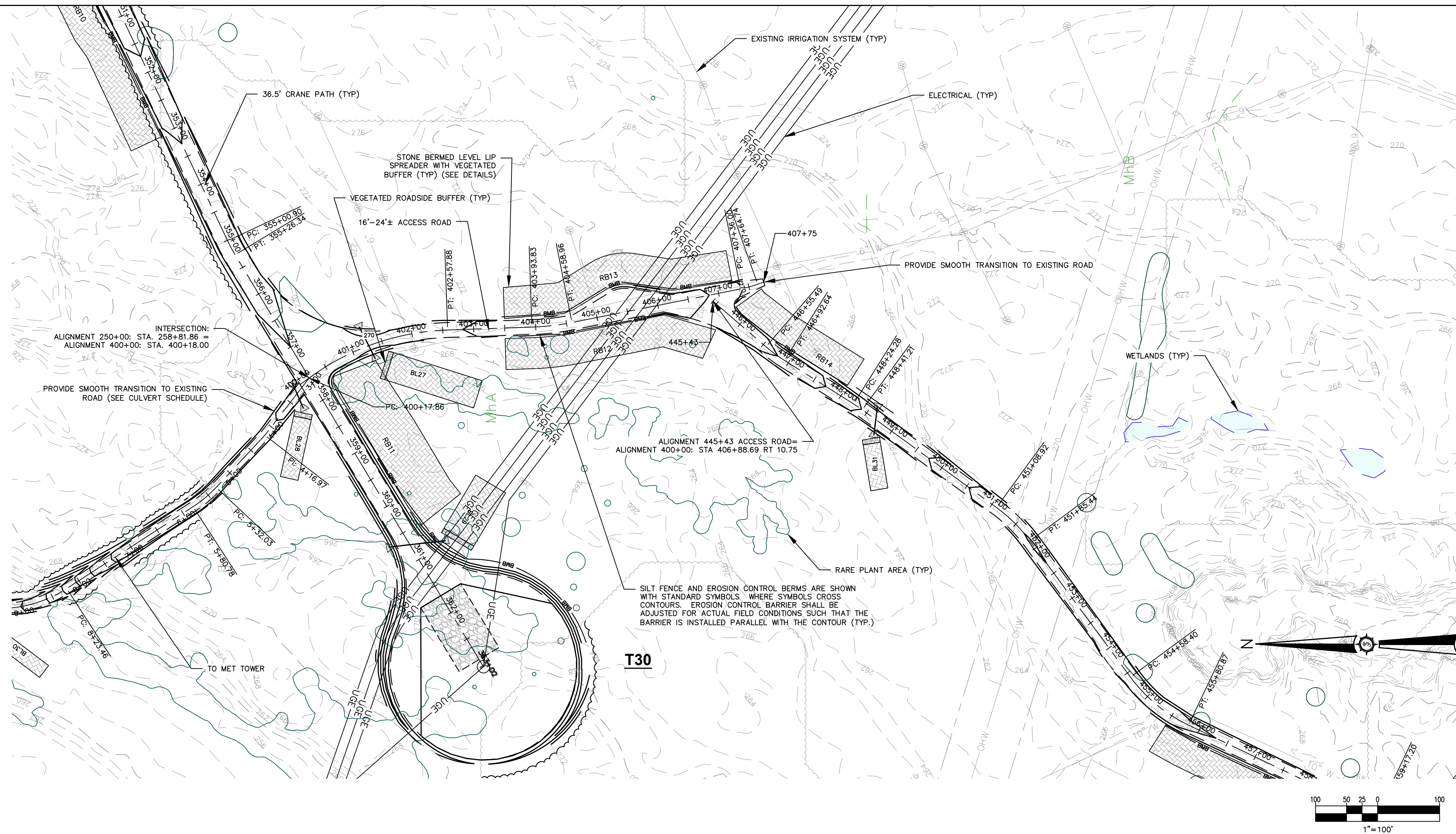
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Sheet No. **11.3**

NOT FOR CONSTRUCTION

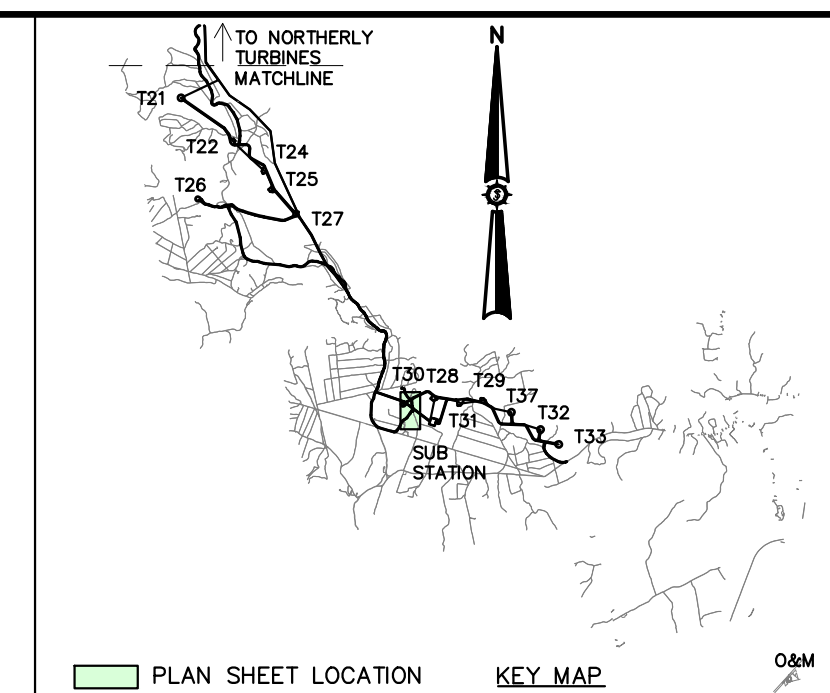
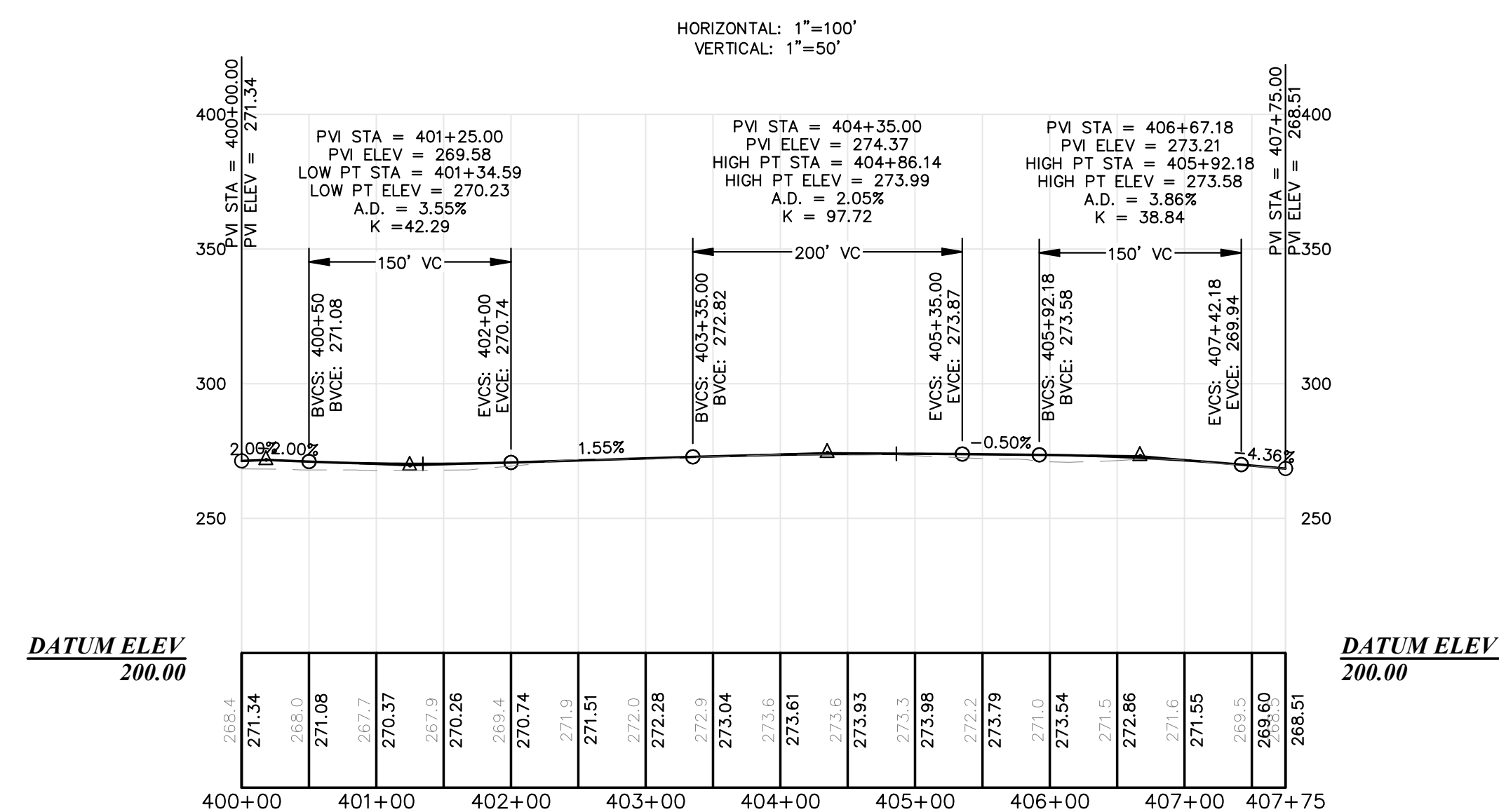


Project No. 113.20.01	Engineer BRETT BART 113.20.01 No. 10858 LICENSED PROFESSIONAL ENGINEER	State of Maine BRETT BART 113.20.01 No. 10858 LICENSED PROFESSIONAL ENGINEER	Design By BCH Scale 03/19/2021	Drawn By MITFB	Checked By JSM
APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM Project Location COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE					
PLAN AND PROFILE					
PERMIT Sheet No. 11.4					

NOT FOR CONSTRUCTION



ACCESS ROAD 400+00
400+00.00 - 407+75.00



Rev. #	Date	Drawn By	Description

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

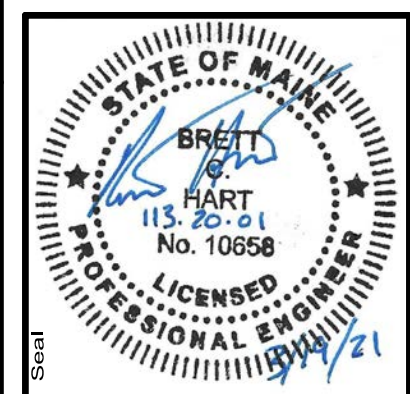
Project Location
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
PLAN AND PROFILE

Designed By: BCH
Checked: JSM

Drawn By: MTFB
Scale: 1"=100'

Date: 03/19/2021
Approved: BCH



Project No. 113.20.01

Phase: PERMIT

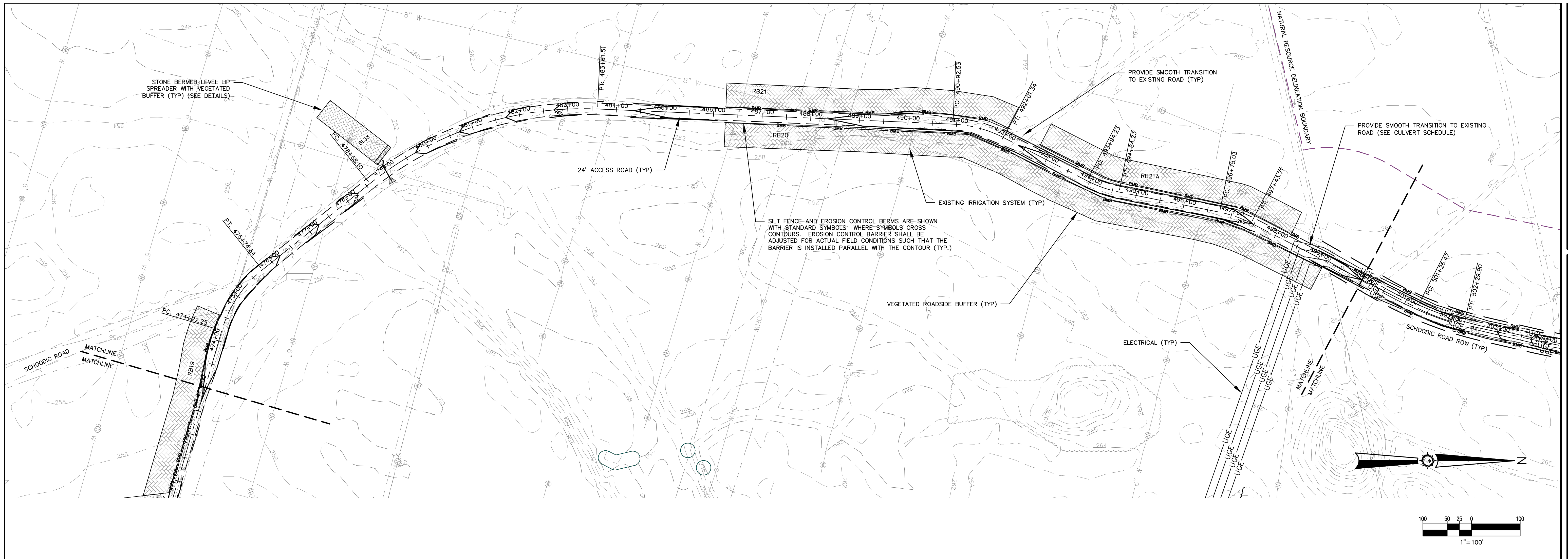
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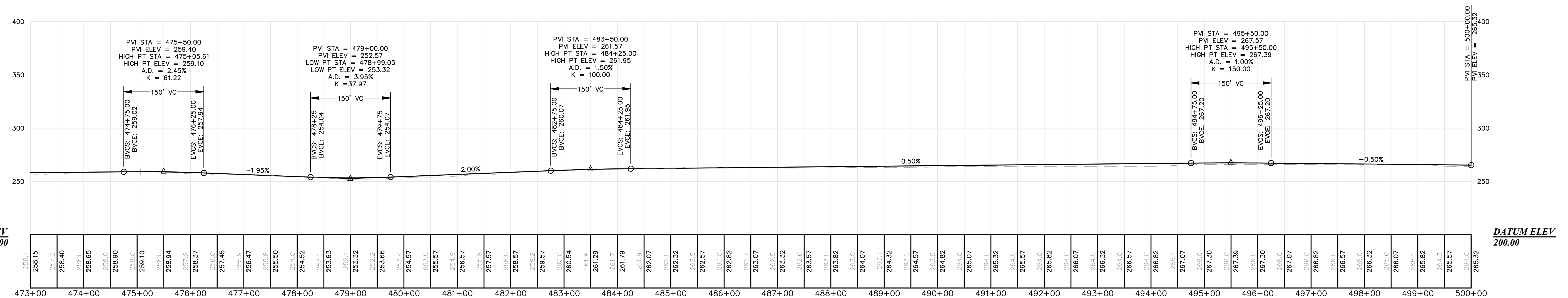
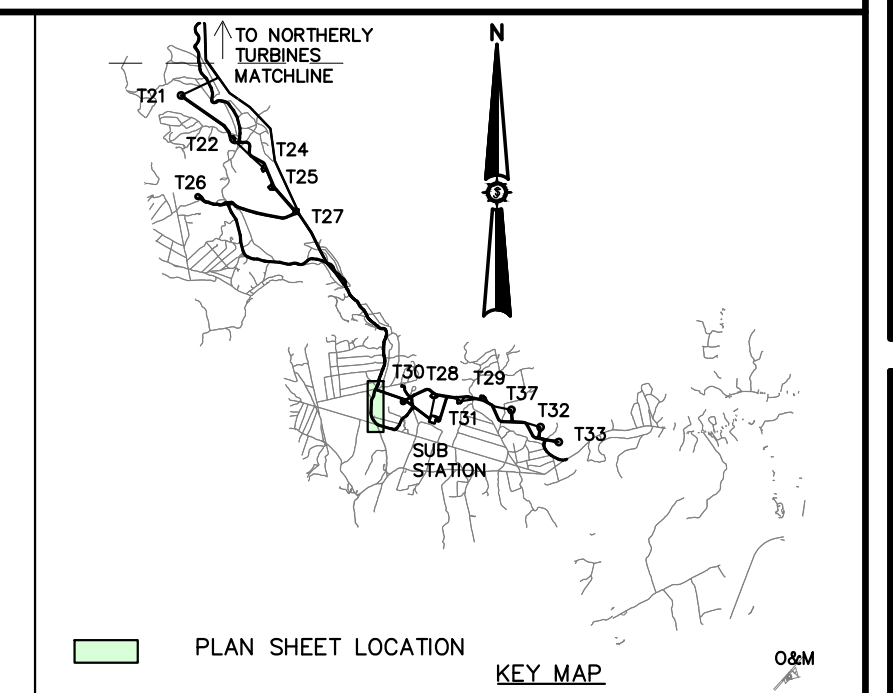
NOT FOR CONSTRUCTION



ACCESS ROAD 445+43

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VERTICAL: 1"=50'

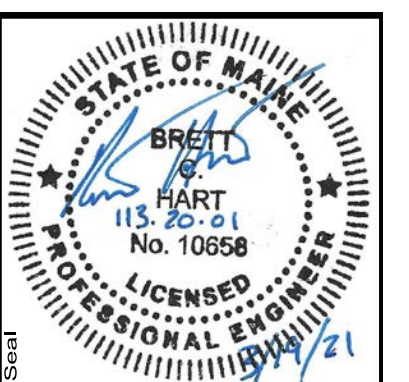


Rev.	Drawn By	Description	Date

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawn By: MTFB
Date: 03/19/2021
Scale:
Checked: JSM
Approved: BCH

PLAN AND PROFILE

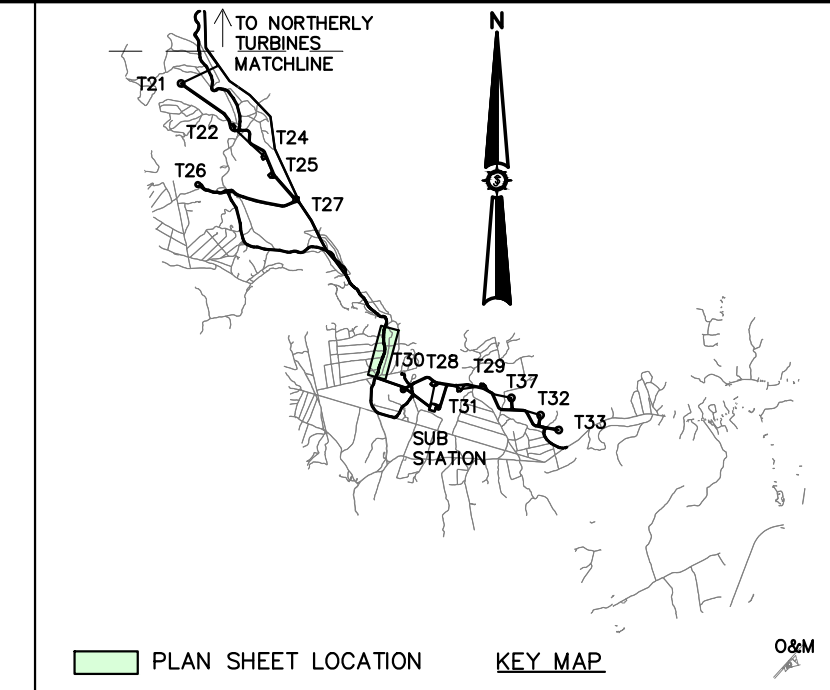
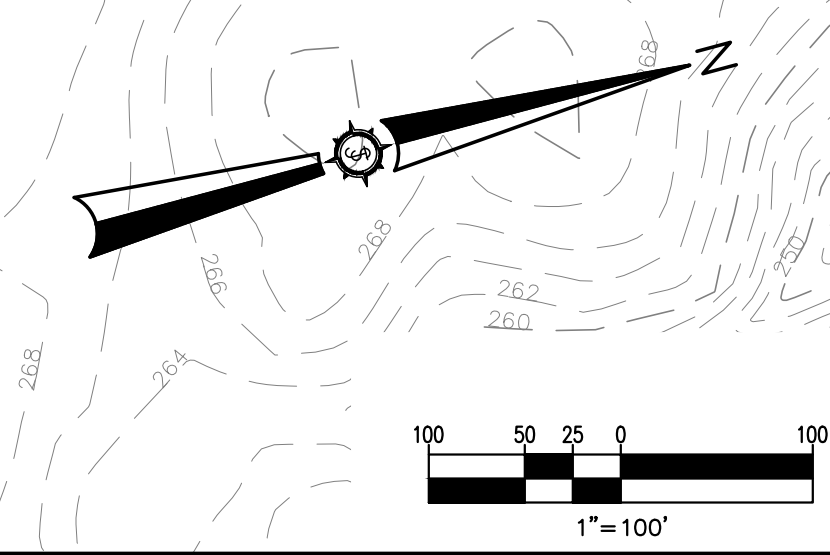
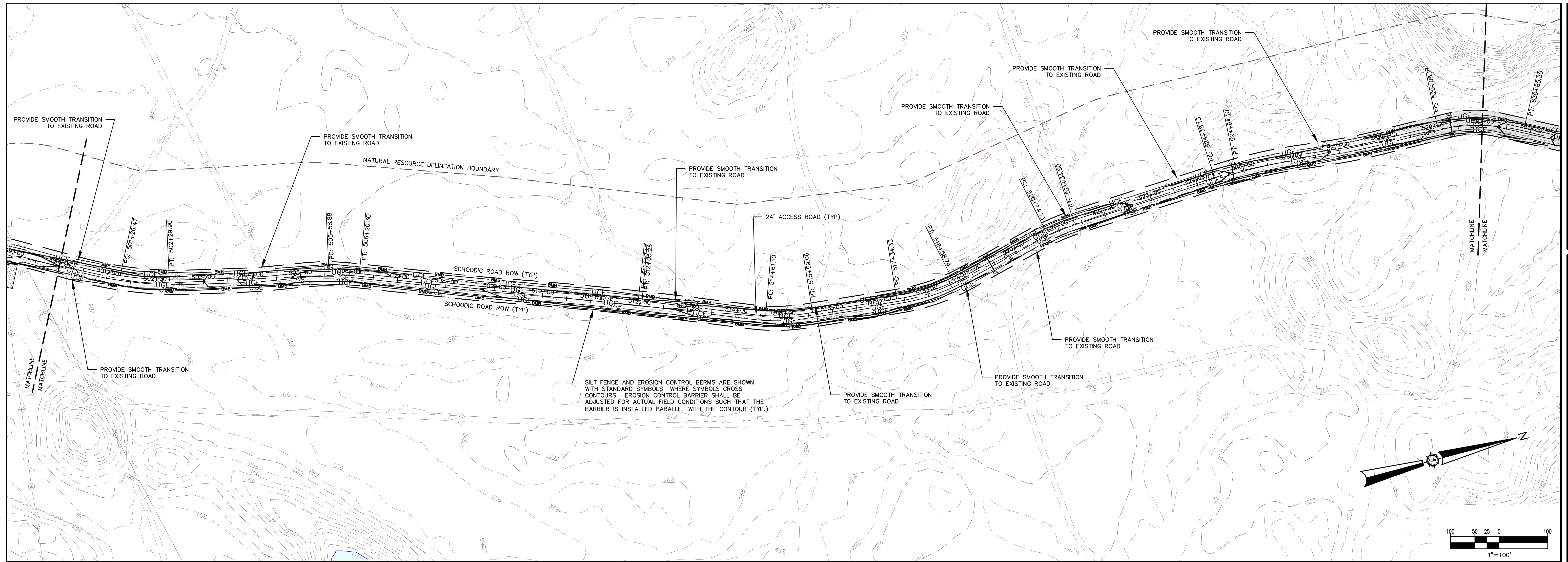


Project No: **113.20.01**

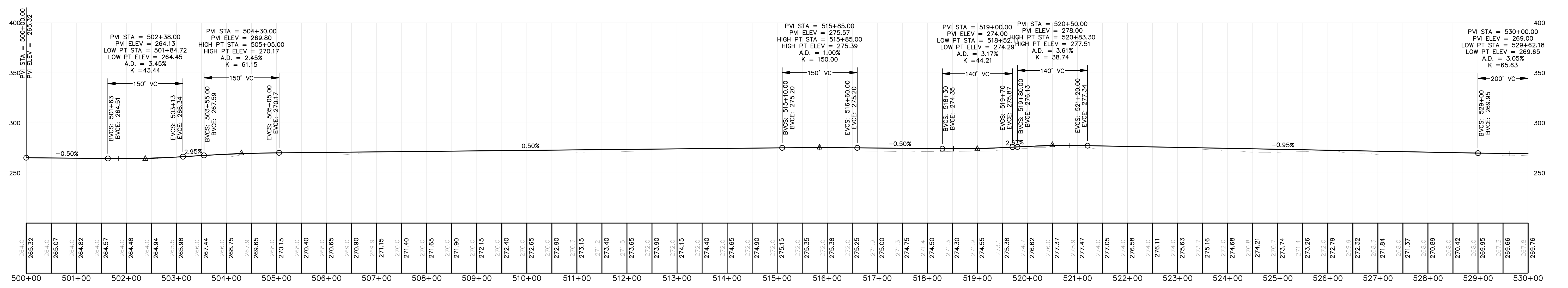
Phase: **PERMIT**

Engineer: **Sewal** ENGINEERING
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ACCESS ROAD 500+00
500+00.00 - 530+00.00
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



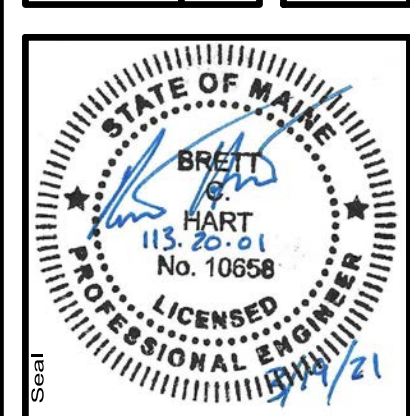
Drawn By	MTEB
Checked By	JSM
Approved By	BCH
Scale	
Date	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
Project Location
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
310 4th ST NE, SUITE 200
CHARLOTTEVILLE, VA

Approved
BCH

Checked
JSM

Drawing Description
PLAN AND PROFILE



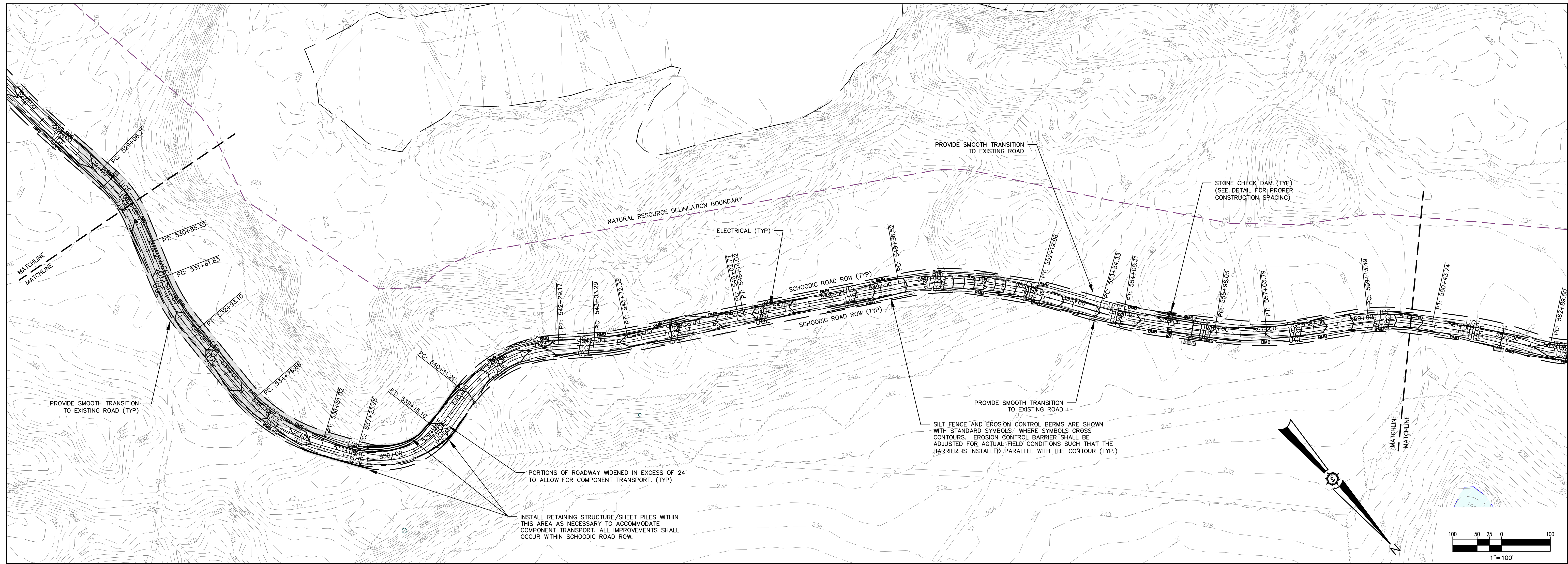
Project No. **113.20.01**

Phase **PERMIT**

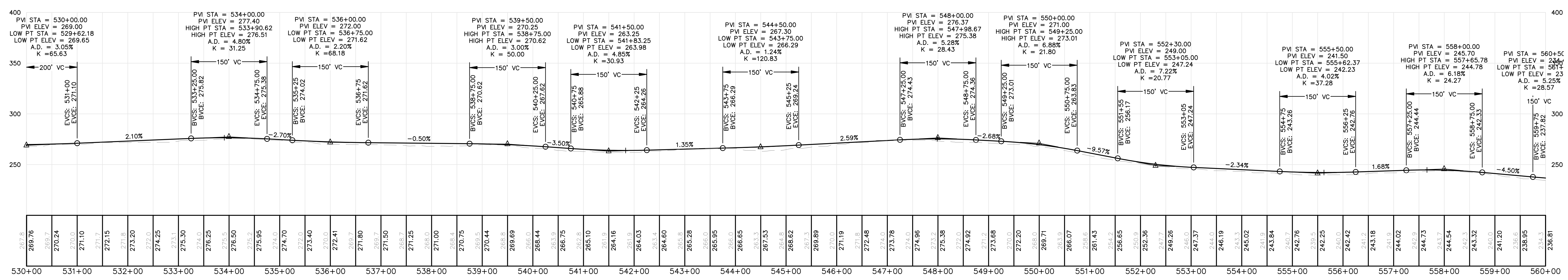
Sheet No. **14.1**

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ACCESS ROAD 500+00
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 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

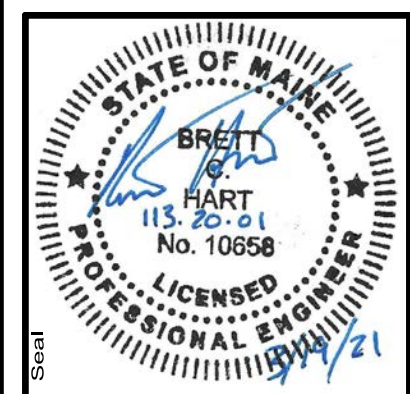


NOT FOR CONSTRUCTION

Drawn By	MIFB
Checked By	JSM
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST NE, SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: PLAN AND PROFILE



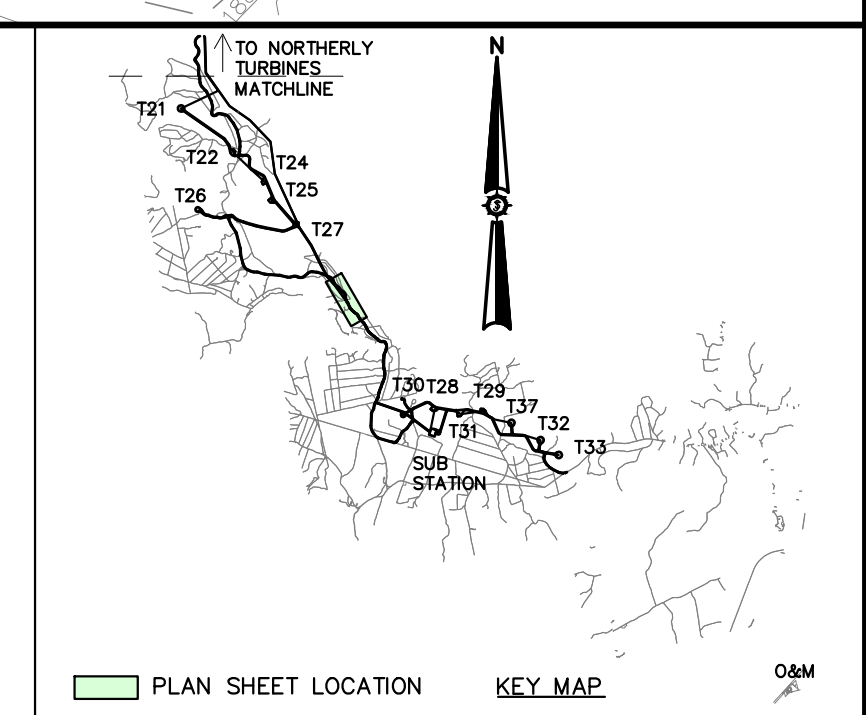
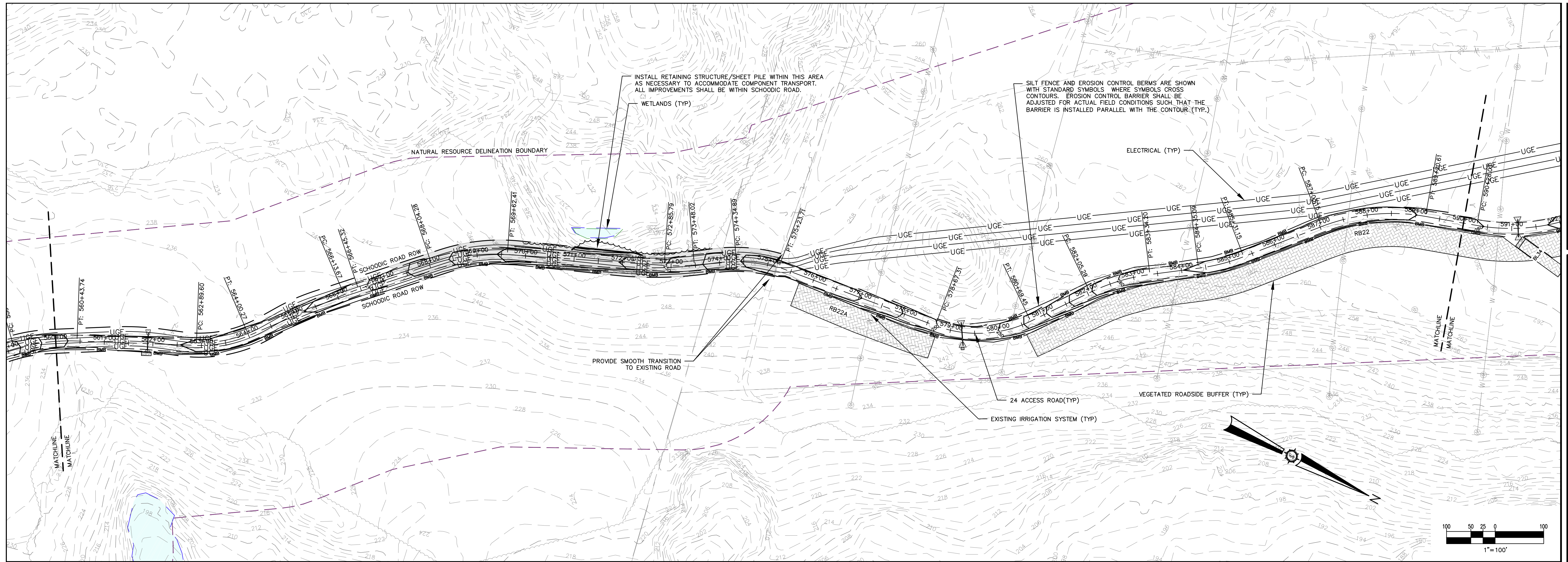
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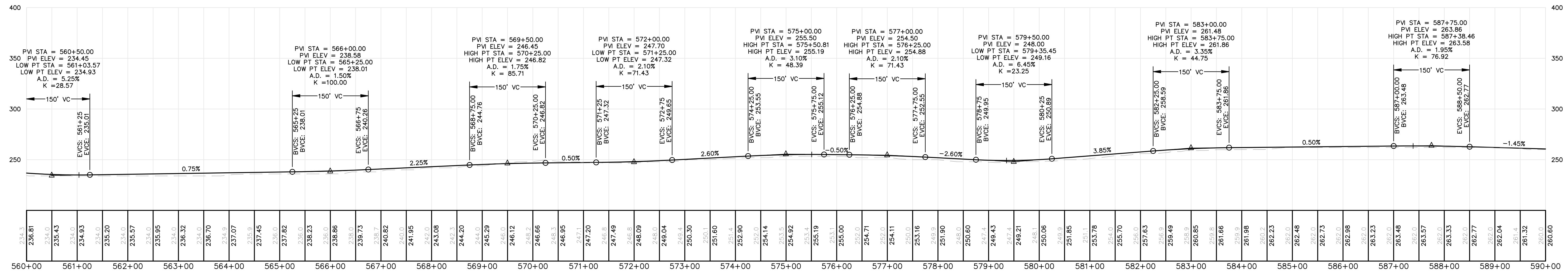
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ACCESS ROAD 500+00

560+00.00 - 590+00.00
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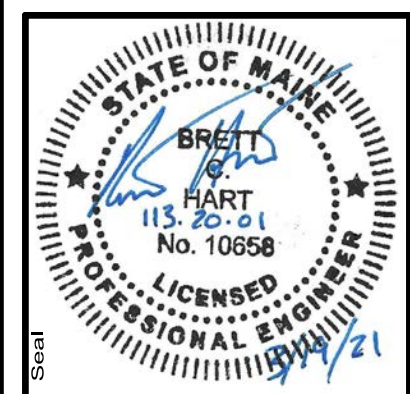


Drawn By	MITFB
Checked By	JSM
Approved By	BCH
Scale	AS SHOWN
Date	03/19/2021

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST NE, SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: PLAN AND PROFILE



113.20.01

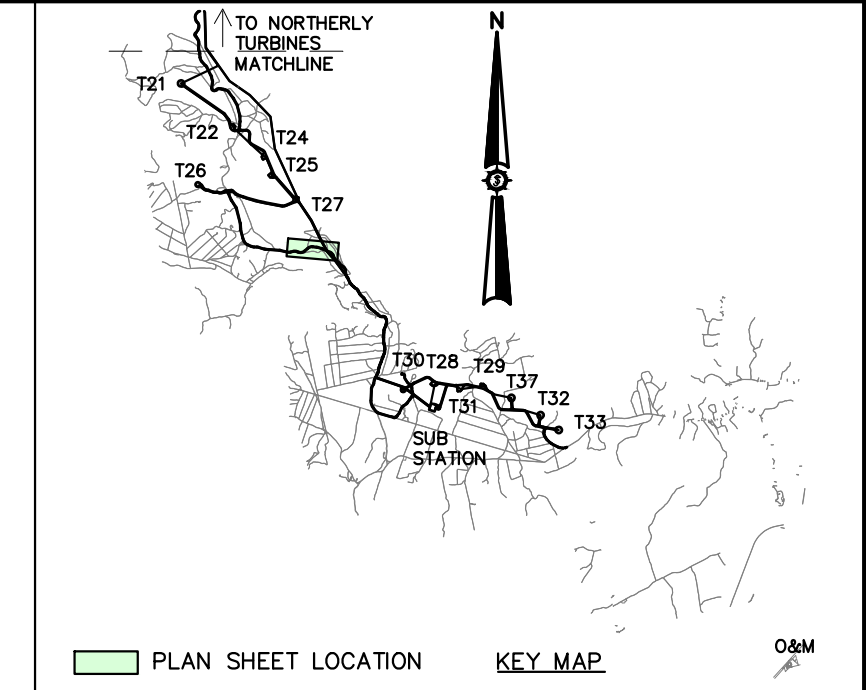
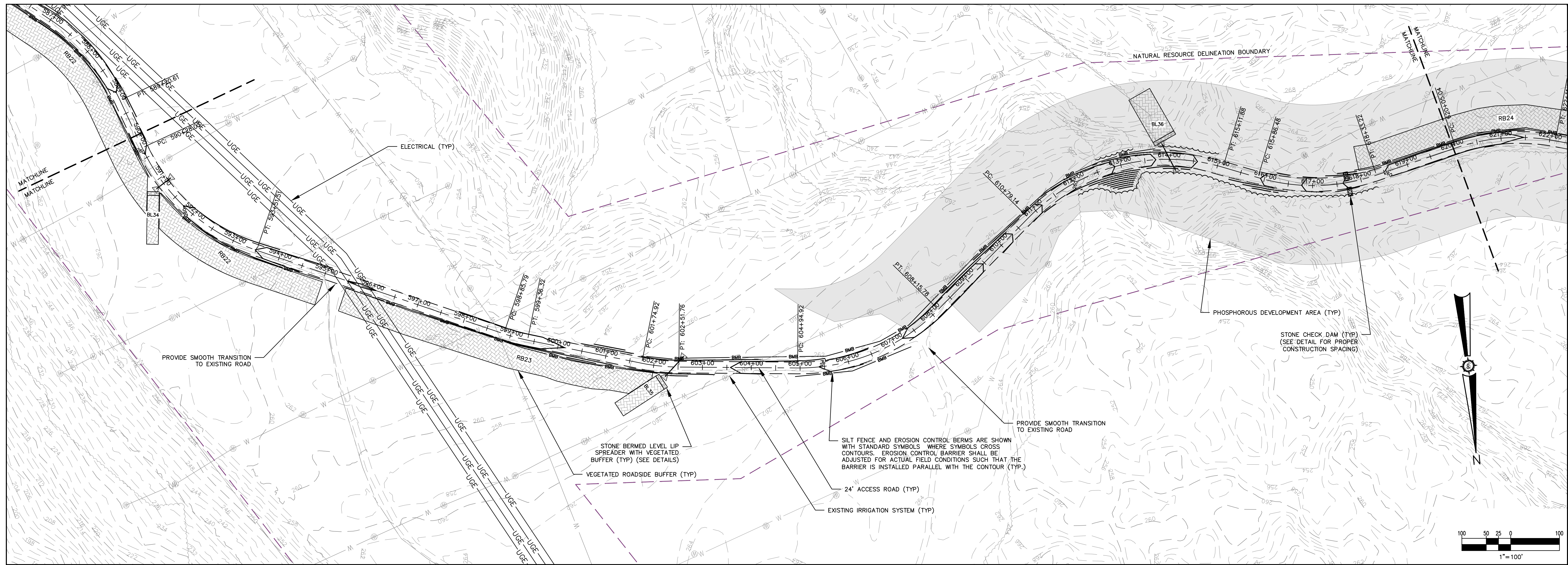
ENGINEERING SURVEYING

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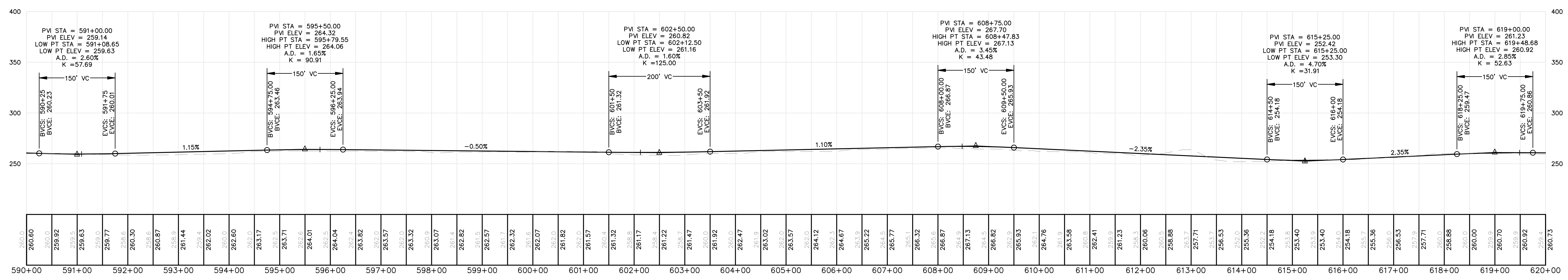
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ACCESS ROAD 500+00
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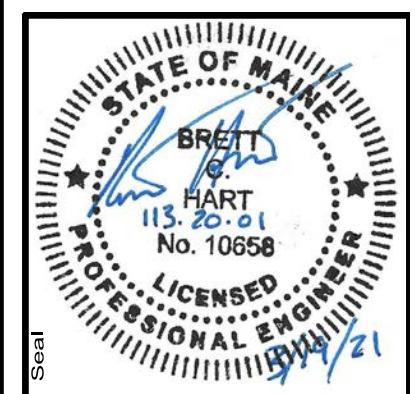


Drawn By	MTEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: PLAN AND PROFILE

Approved: BCH
 Checked: JSM



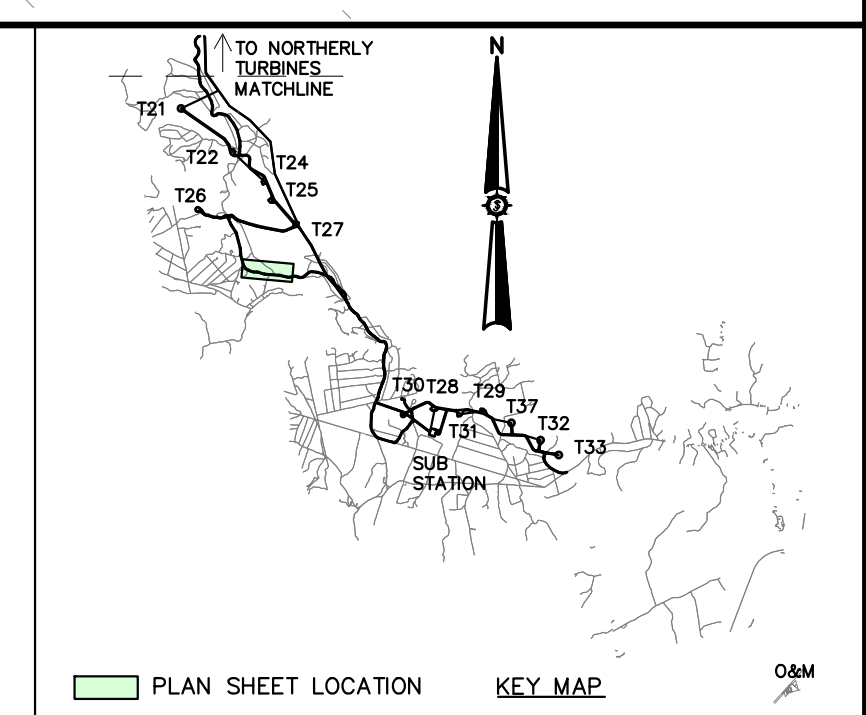
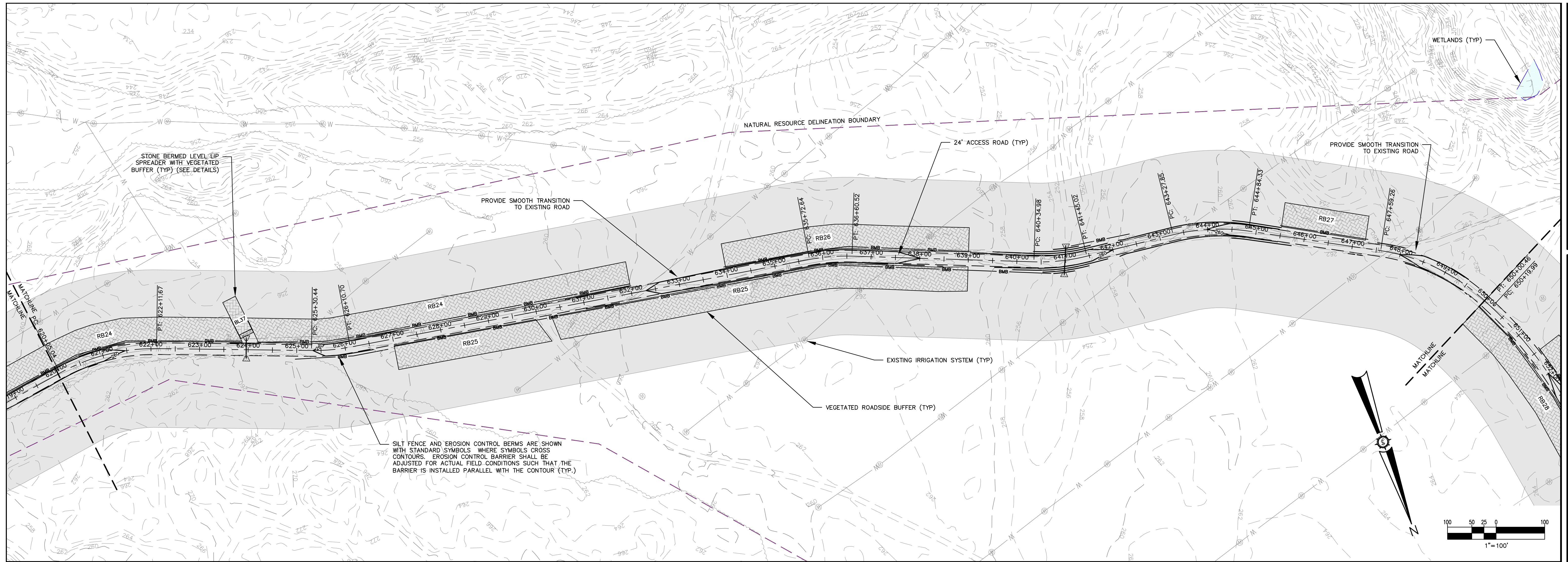
Project No. 113.20.01

ENGINEERING SURVEYING

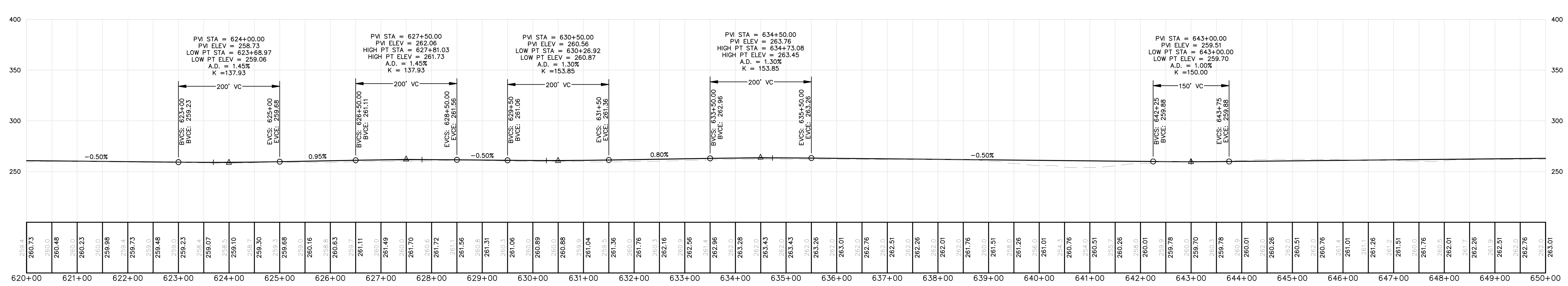
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ACCESS ROAD 500+00
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HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



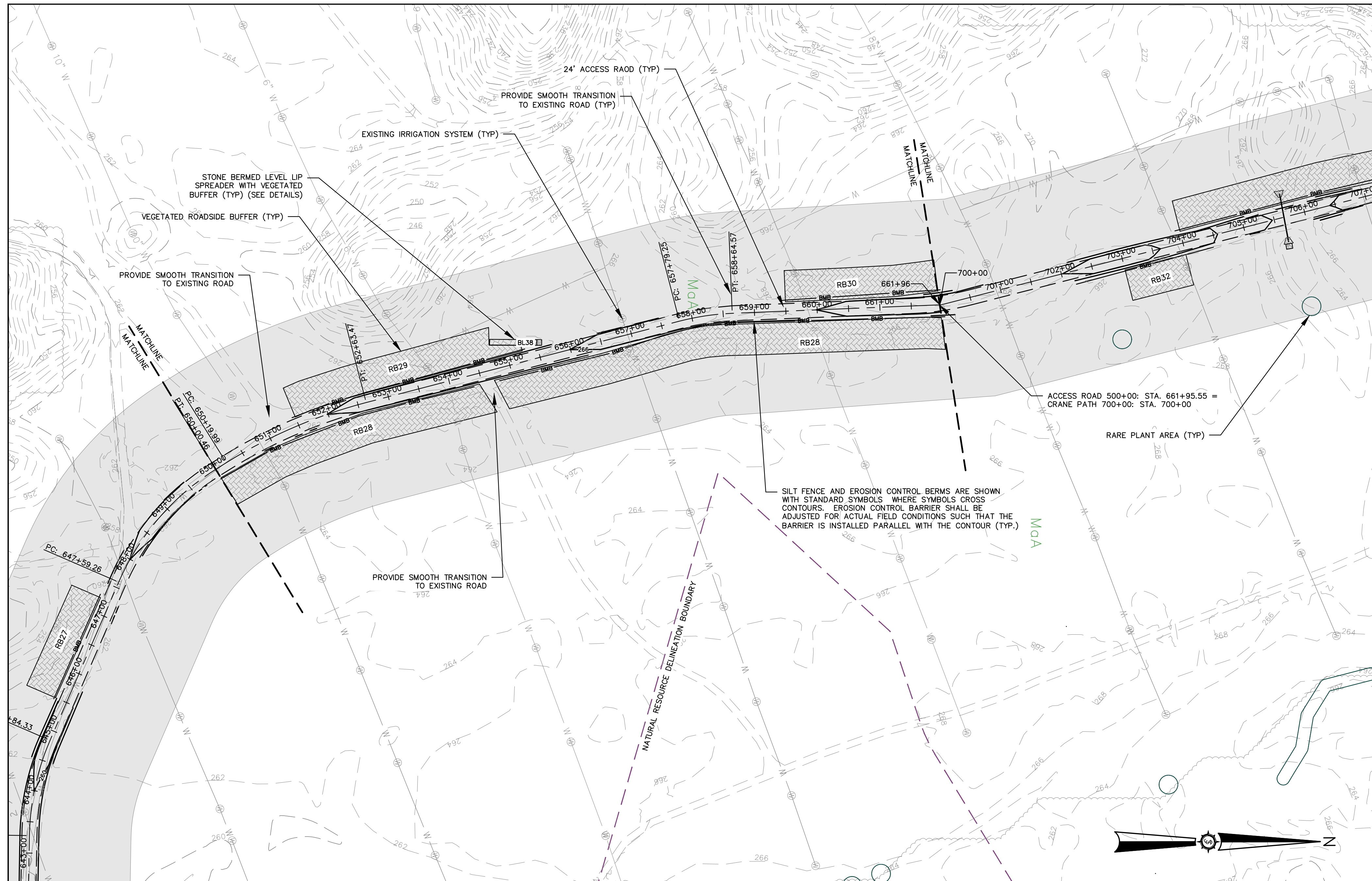
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Designed By	BCH
Date	03/19/2021
Scale	AS SHOWN
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

STATE OF MAINE
BRETT
PART
113.20.01
No. 10858
LICENSED PROFESSIONAL ENGINEER

Project No. 113.20.01
Engineering SURVEYING
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Phase PERMIT
Sheet No. 14.5

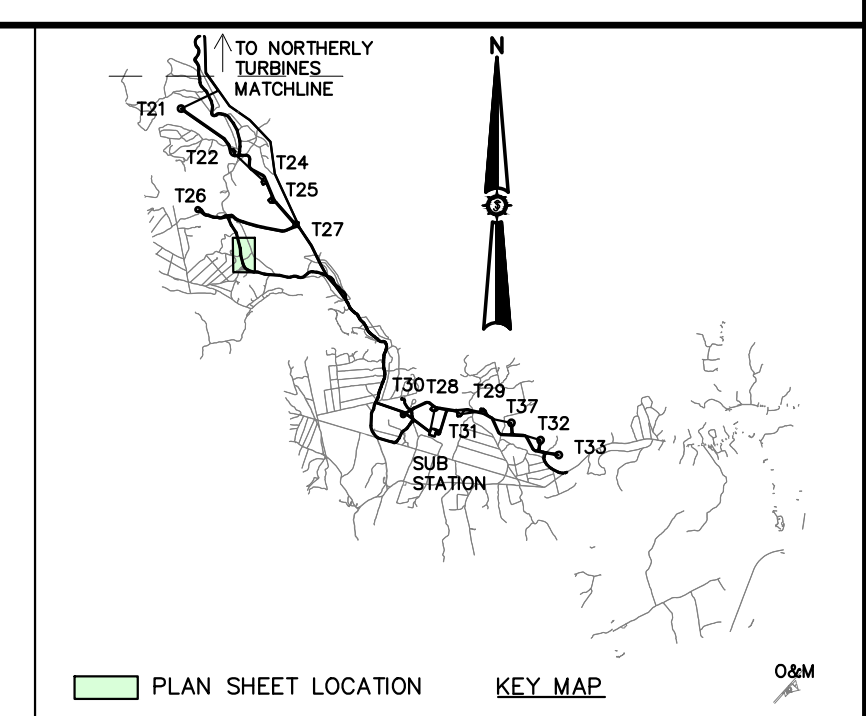
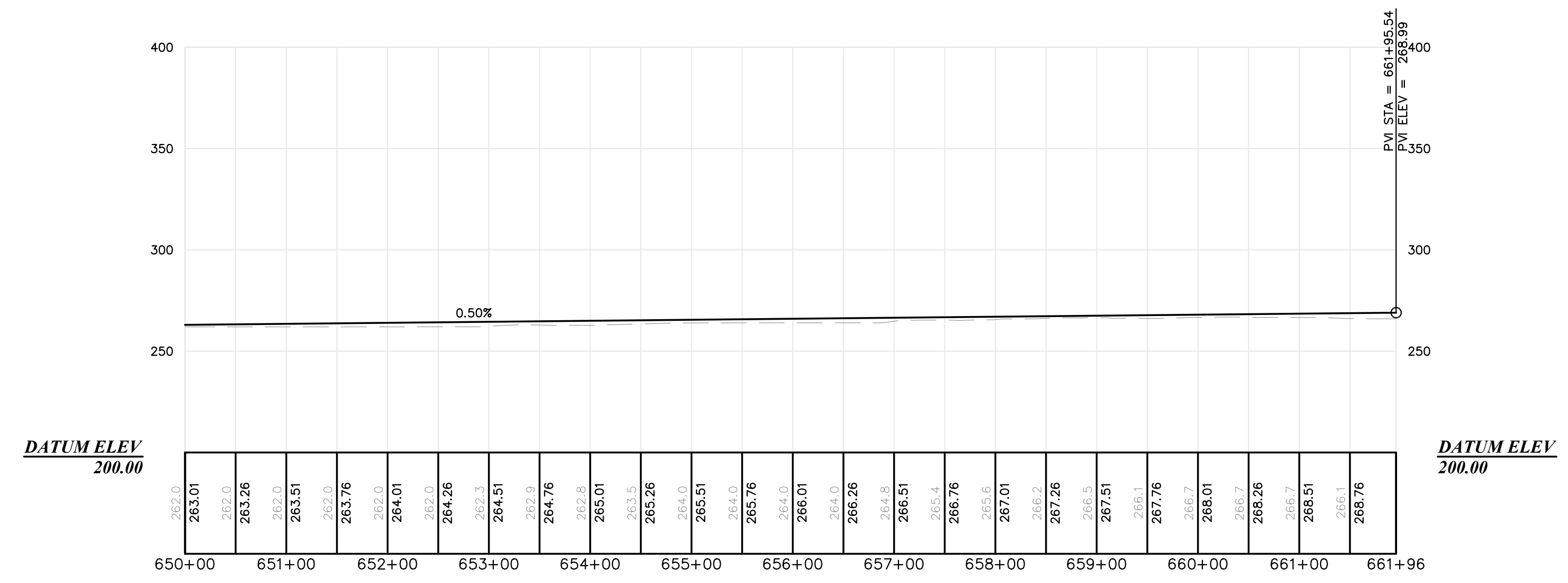


SILT FENCE AND EROSION CONTROL BERMS ARE SHOWN WITH STANDARD SYMBOLS WHERE SYMBOLS CROSS CONTOURS. EROSION CONTROL BARRIER SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS SUCH THAT THE BARRIER IS INSTALLED PARALLEL WITH THE CONTOUR (TYP.)



ACCESS ROAD 500+00

650+00.00 - 661+95.55
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

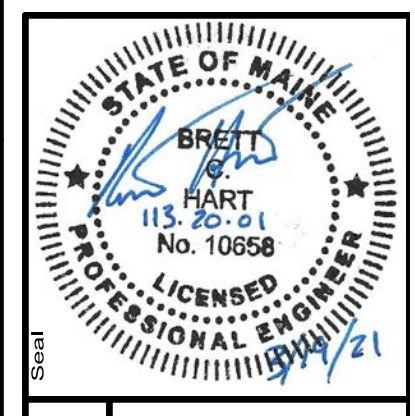


Date	Drawn By	Checked By
	MTEB	JSM

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 310 4th ST N.E., SUITE 200, CHARLOTTEVILLE, VA

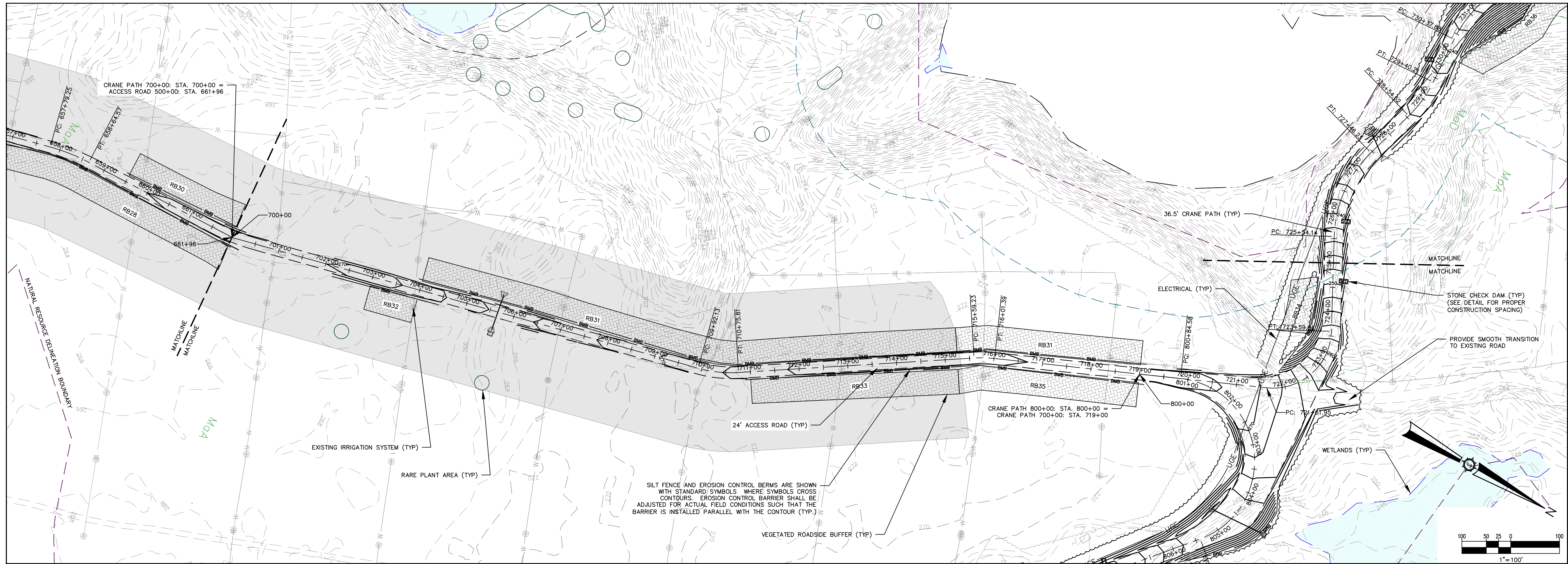
Designed By: BCH
 Drawn By: MTEB
 Date: 03/19/2021
 Scale:
 Approved: BCH
 Checked: JSM

PLAN AND PROFILE

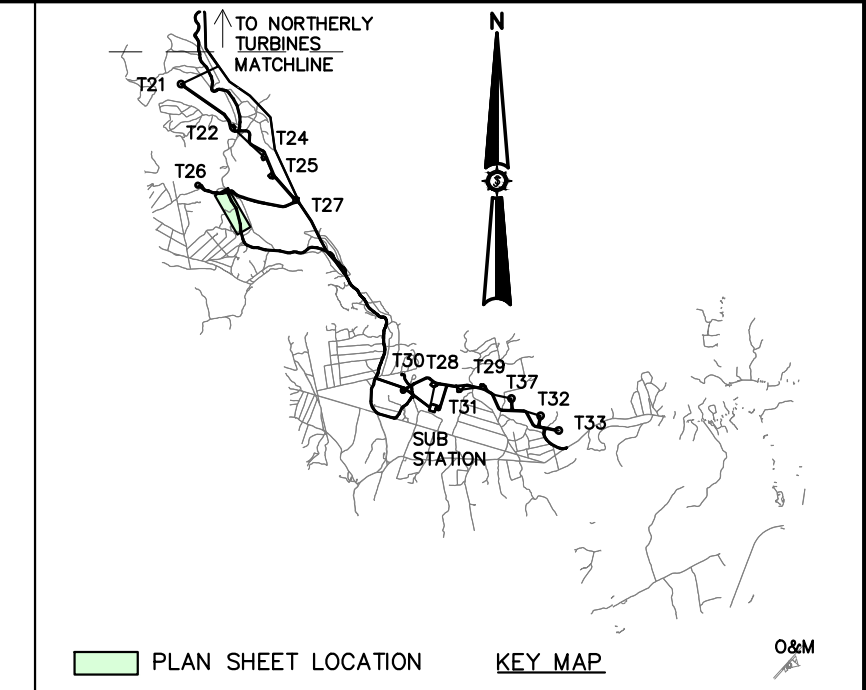


Project No. **113.20.01**
 Phase: **PERMIT**
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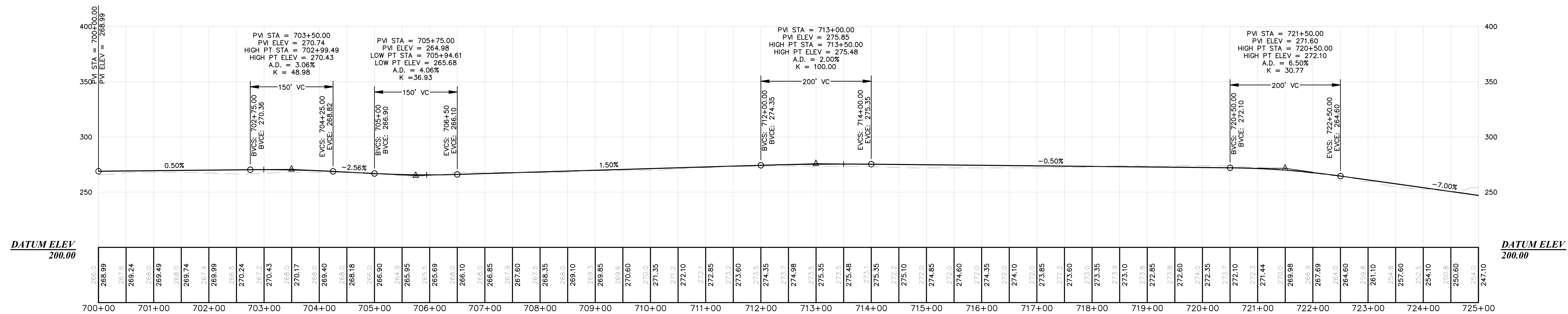


SILT FENCE AND EROSION CONTROL BERMS ARE SHOWN WITH STANDARD SYMBOLS. WHERE SYMBOLS CROSS CONTOURS, EROSION CONTROL BARRIER SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS SUCH THAT THE BARRIER IS INSTALLED PARALLEL WITH THE CONTOUR (TYP.)



CRANE PATH 700+00
700+00.00' - 725+00.00'

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



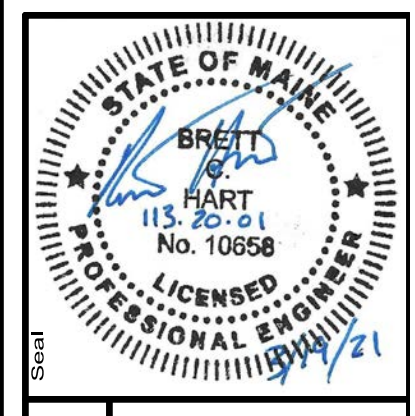
NOT FOR CONSTRUCTION

Drawn By	MTEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Location

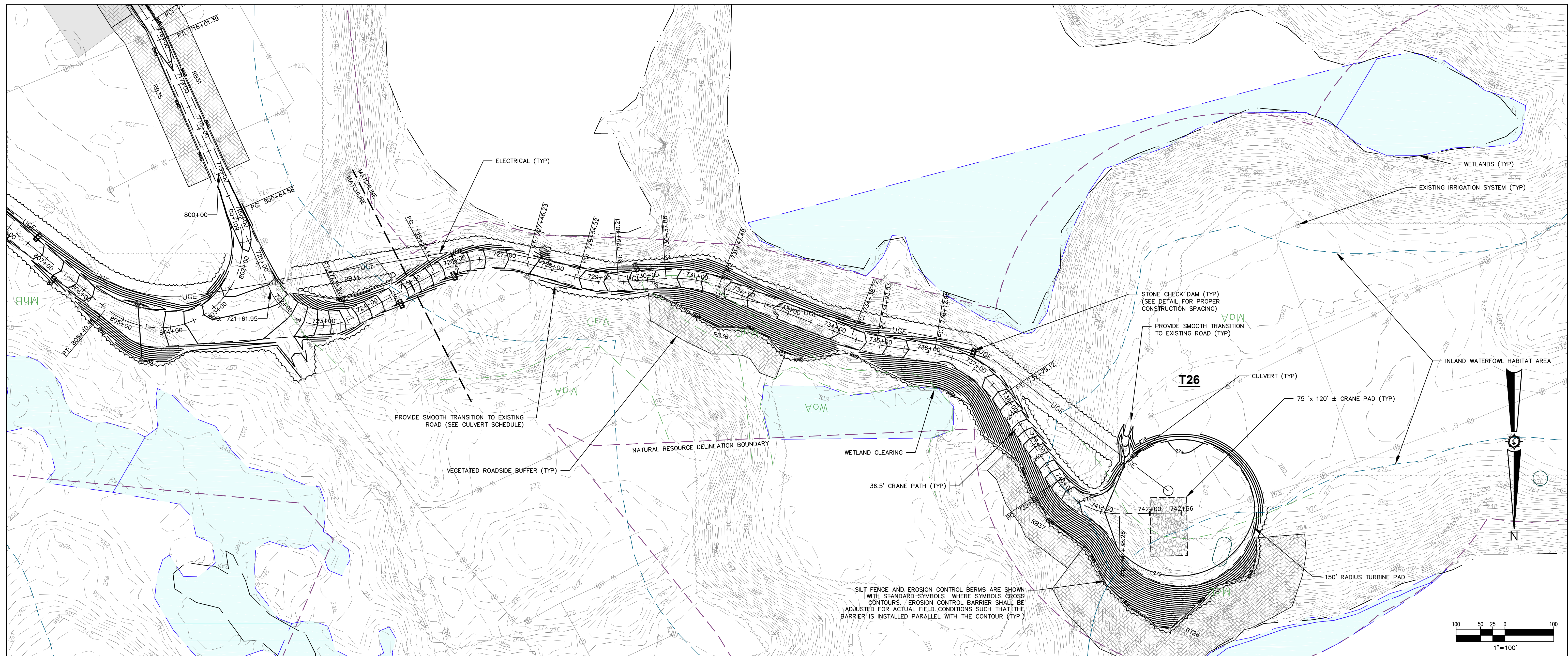
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Checked By: JSM
Designated By: BCH
Date: 03/19/2021
Scale:
Approved: BCH

PLAN AND PROFILE

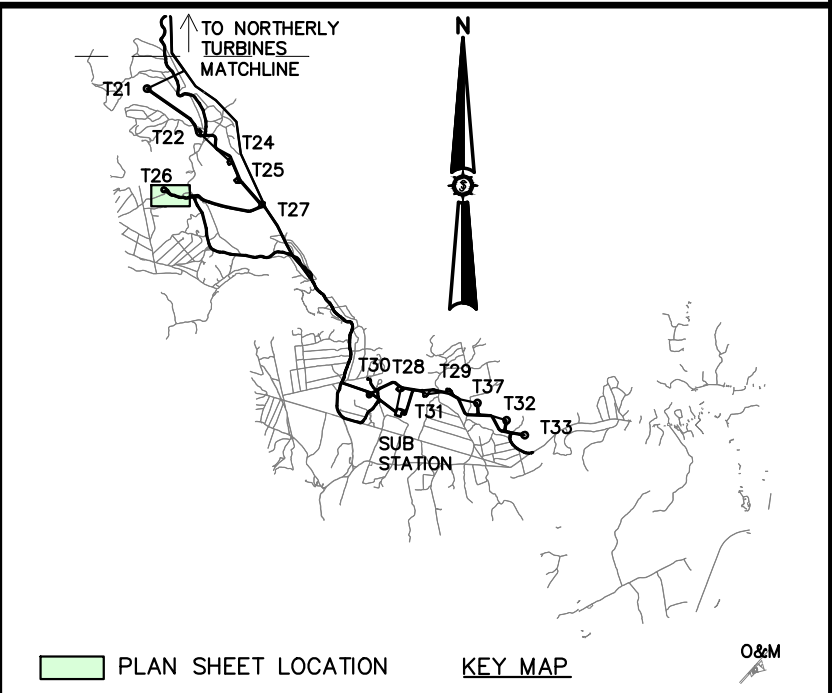
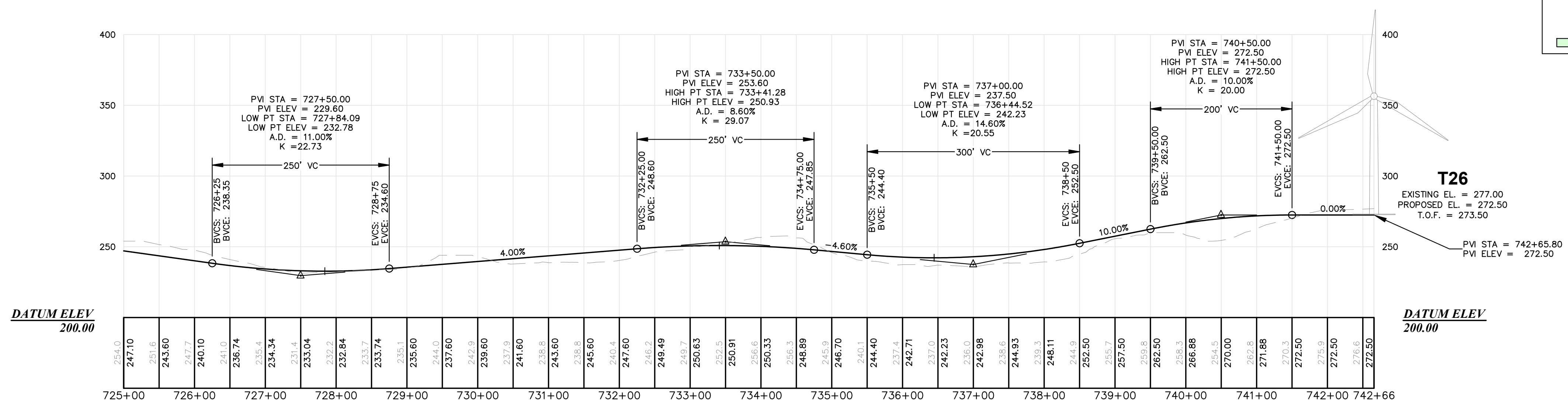


113.20.01

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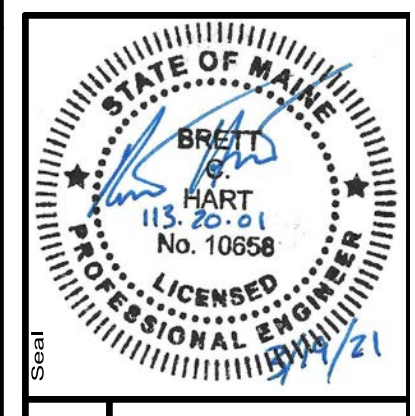


CRANE PATH 700+00
 725+00.00 - 742+65.81
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



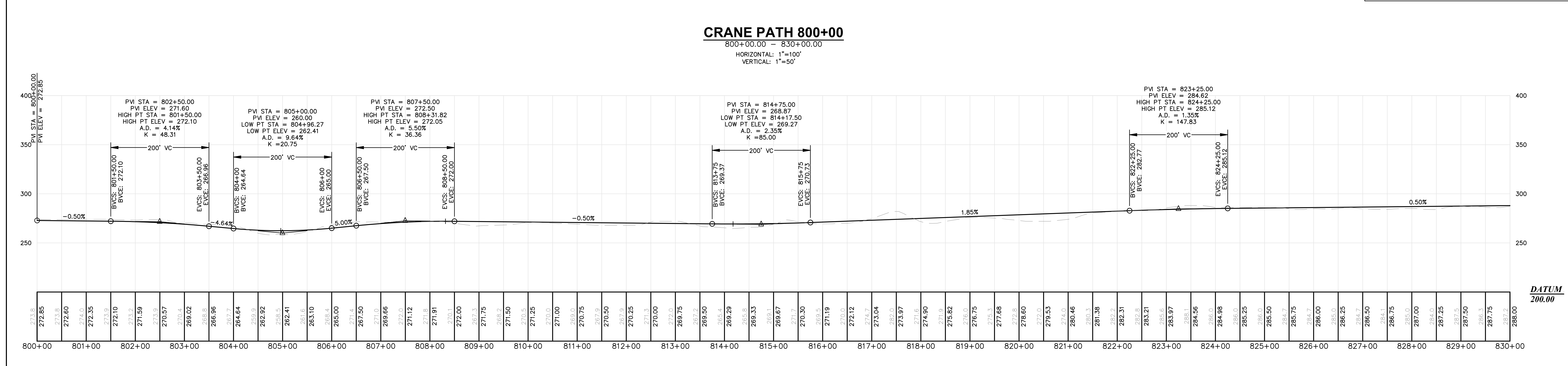
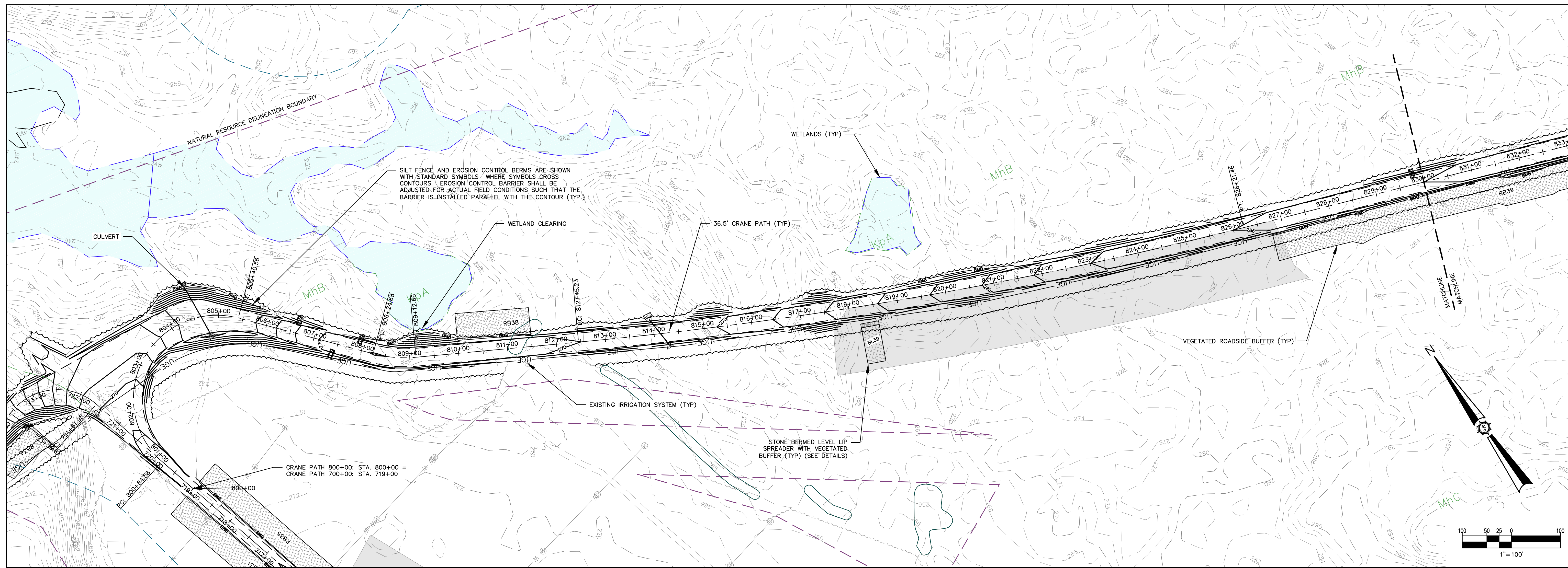
Rev.	Drawn By	Description

Drawn By: MITFB
Checked: JSM
Scale: 1"=100'
Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Name: APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM
Project Address: 310 4th ST N.E., SUITE 200, CHARLETTESVILLE, VA



Project No.: 113.20.01
Phase: PERMIT
Sheet No.: 15.2
Company: Sewal Engineering
Website: www.sewal.com
Phone: 1 800 648 4202
Slogan: The evolution of expertise

NOT FOR CONSTRUCTION

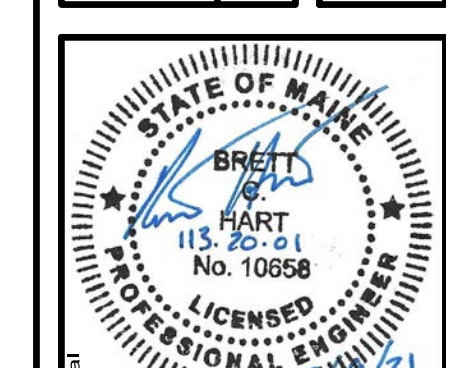


Drawn By	MIFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Approved	BCH
Checked	JSM

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
CHARDOTTSVILLE, VA

Project Location
COLUMBIA, T19 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
PLAN AND PROFILE



Project No. 113.20.01

ENGINEERING SURVEYING

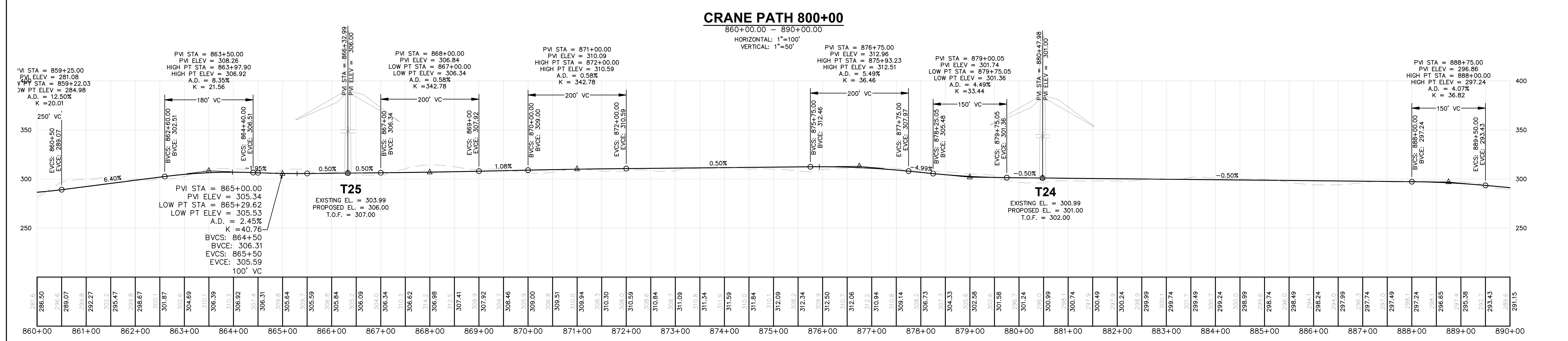
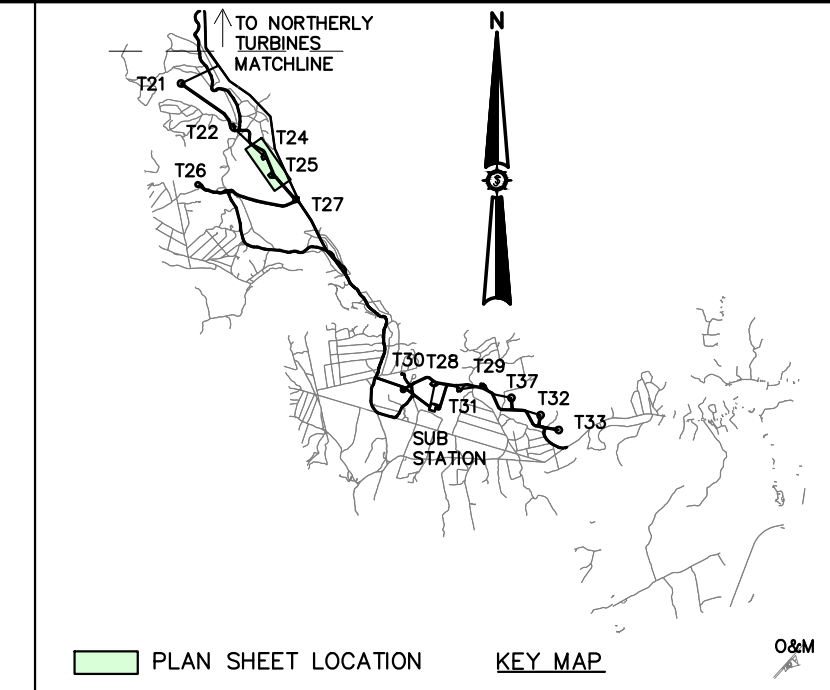
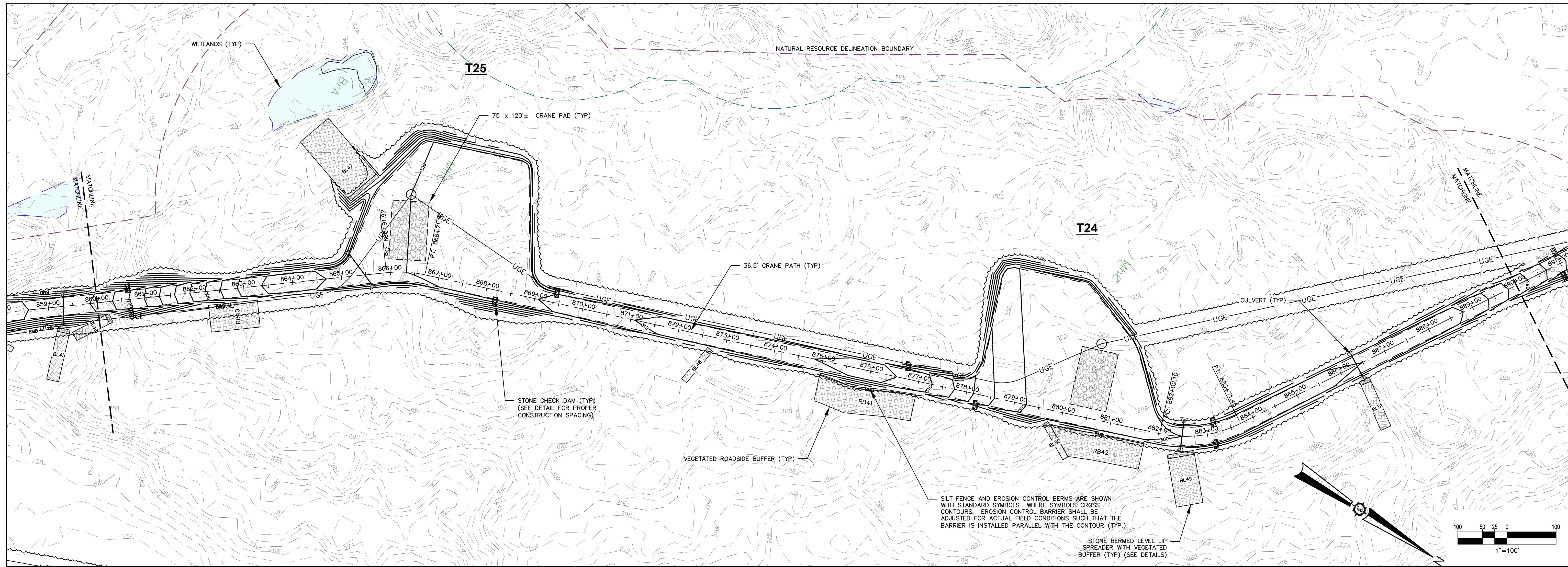
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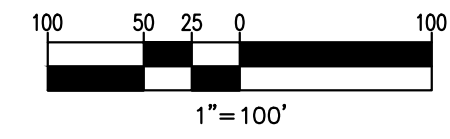
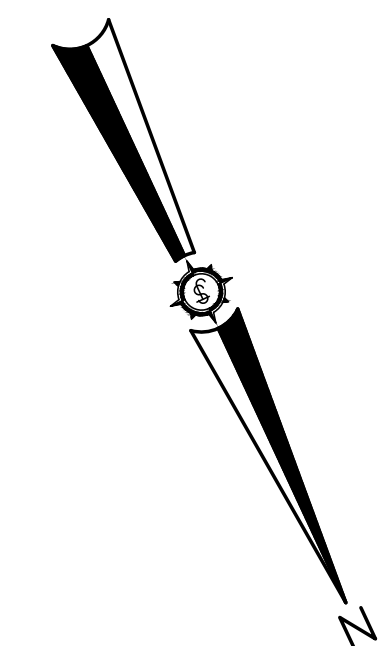
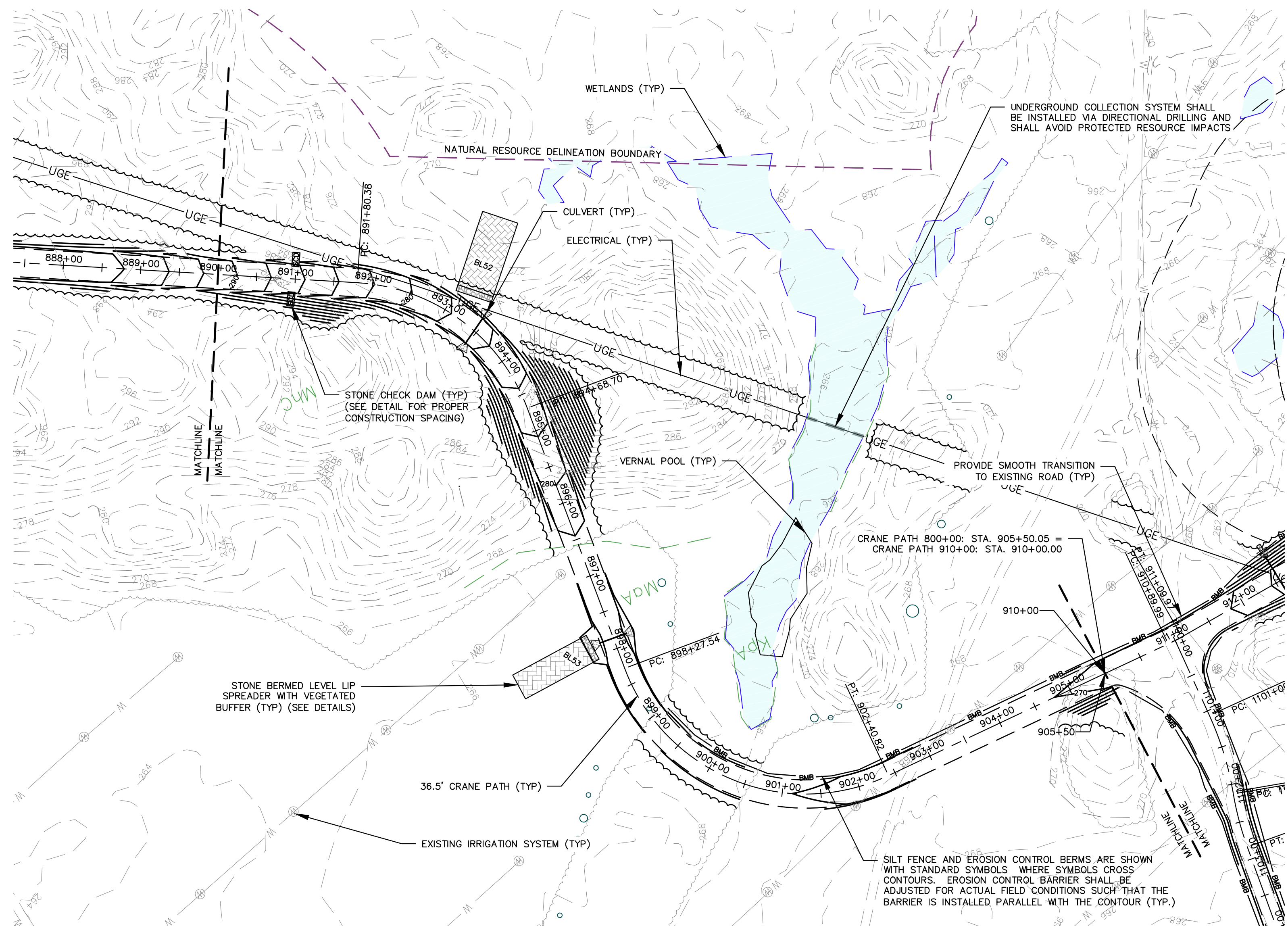
www.sewal.com 1 800 648 4202

Phase: **PERMIT**

Sheet No. **16.1**

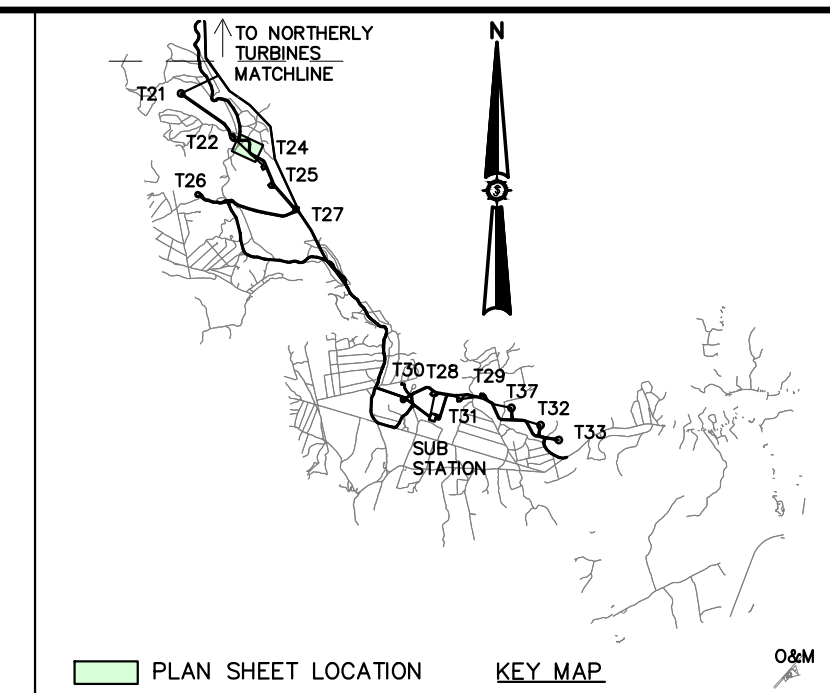
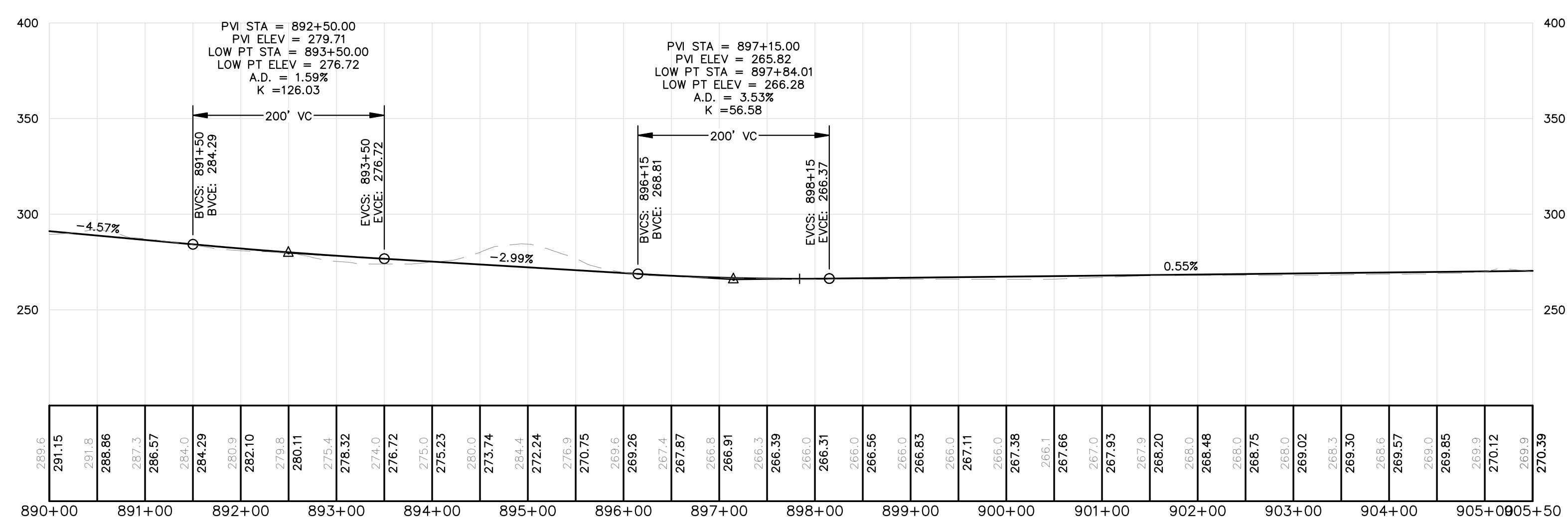
NOT FOR CONSTRUCTION





CRANE PATH 800+00
890+00.00 — 905+50.05

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Rev. #	Drawn By	Description	Date

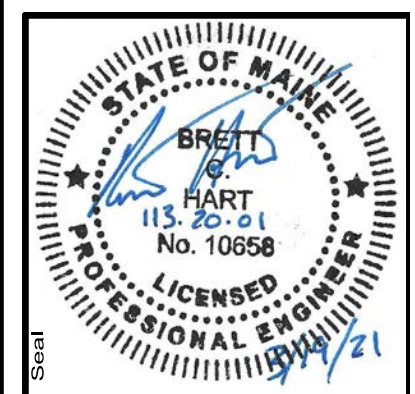
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINEProject Location: CHARLOTTEVILLE, VA

Drawn By: MITFB
Checked: JSM

Designed By: BCH
Scale: 1"=100'
Date: 03/19/2021

Approved: BCH

Drawing Description: **PLAN AND PROFILE**



Project No.: 113.20.01

Phase: SURVEYING

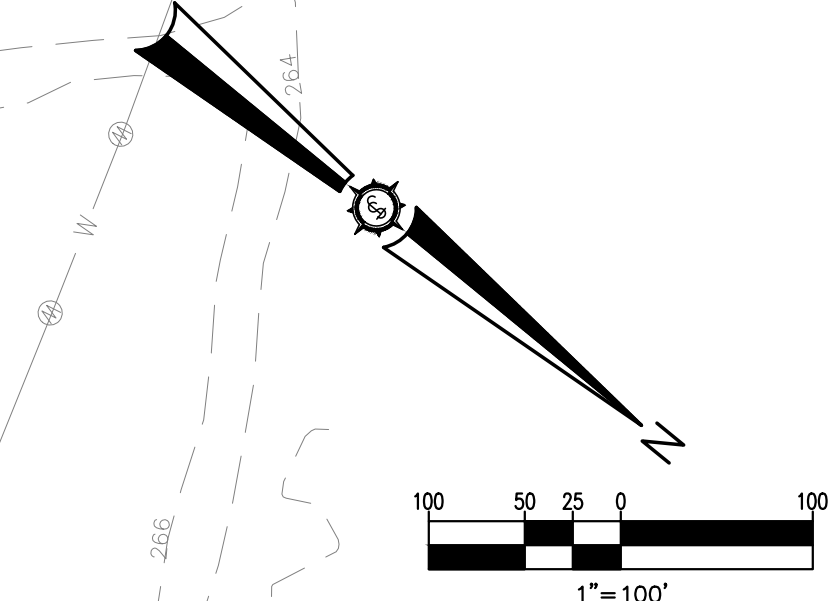
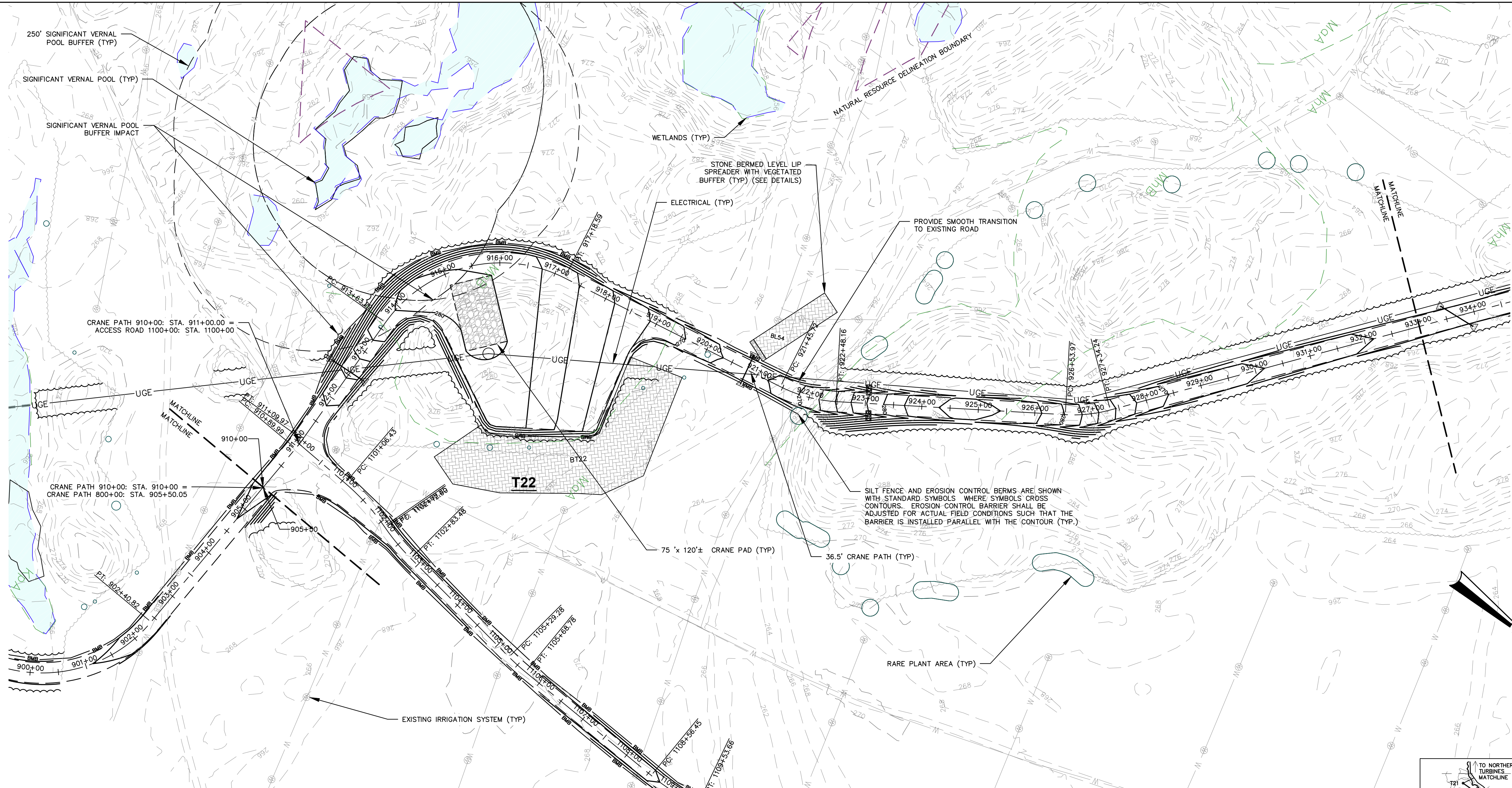
Sewal ENGINEERING
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Phase: **PERMIT**

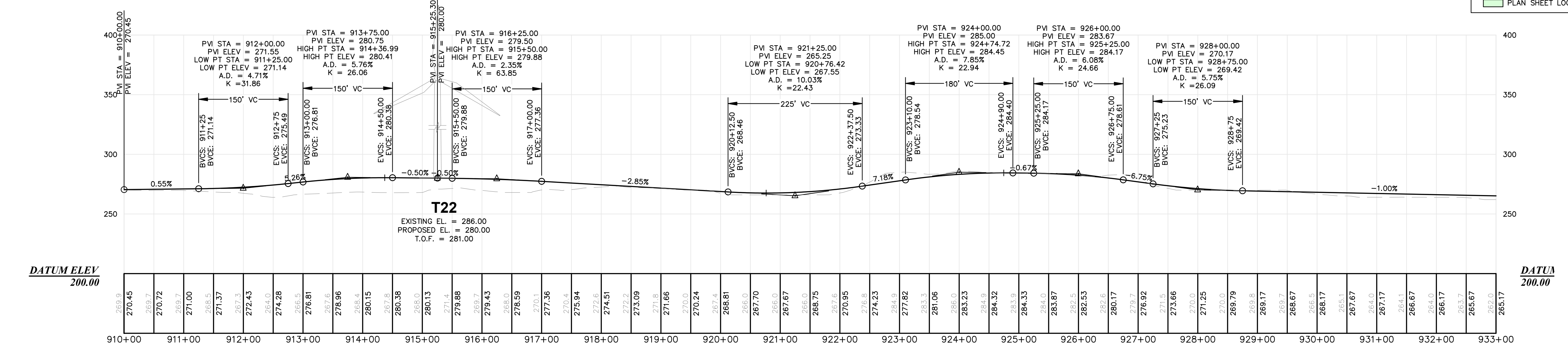
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NOT FOR CONSTRUCTION



CRANE PATH 910+00
910+00.00 - 933+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



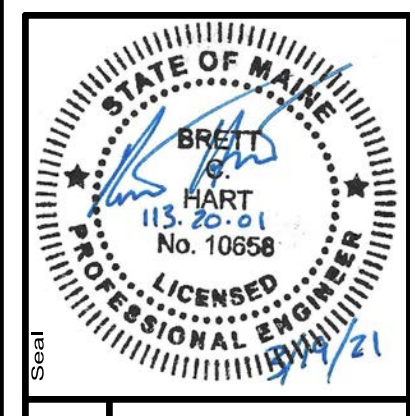
Rev.	Date	By	Description

Drawn By: MITFB
 Designated By: BCH
 Date: 03/19/2021
 Scale:

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: CHARLOTTEVILLE, VA
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description:

Approved: BCH
 Checked: JSM

PLAN AND PROFILE

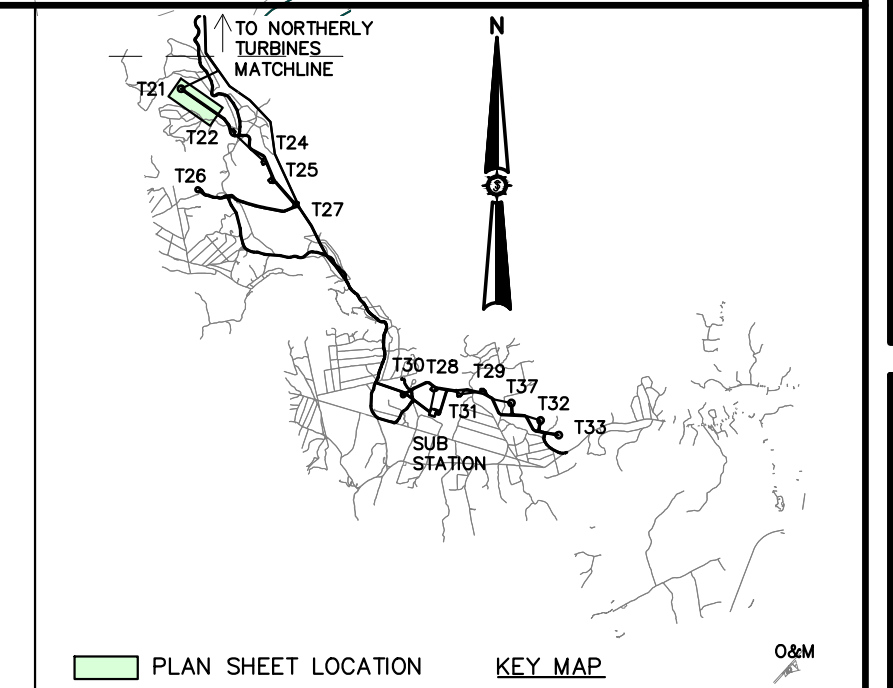
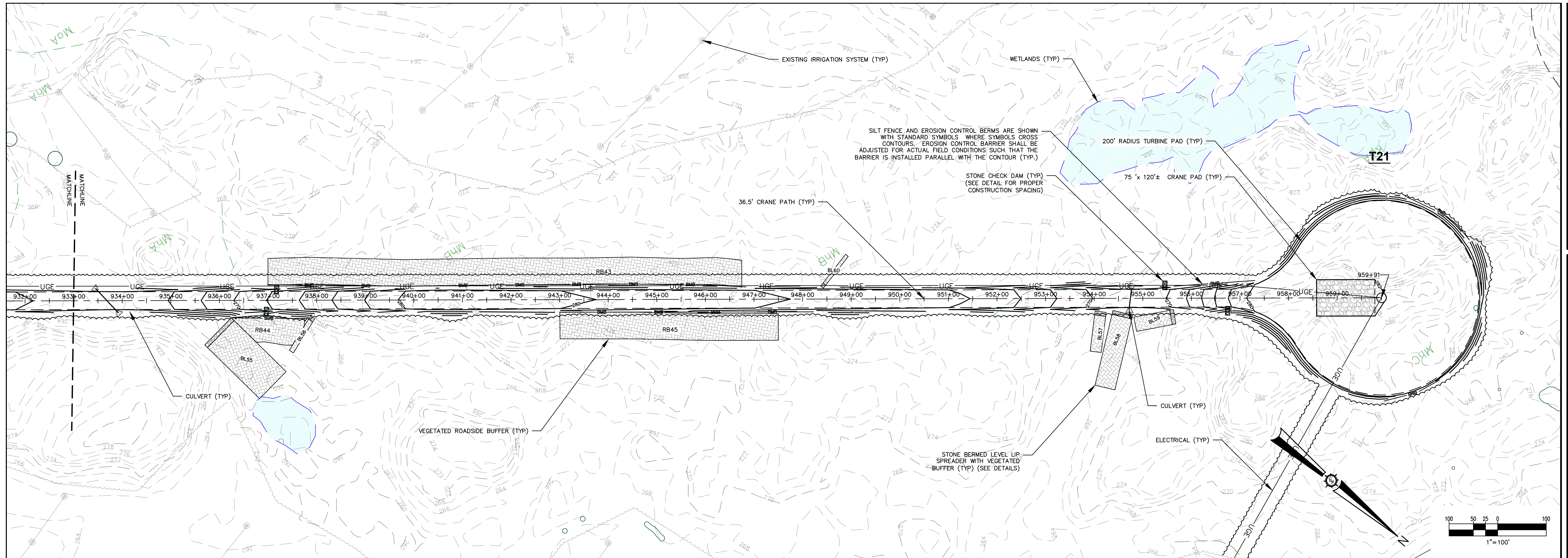


Project No.: 113.20.01
 Engineer: SURVEYING
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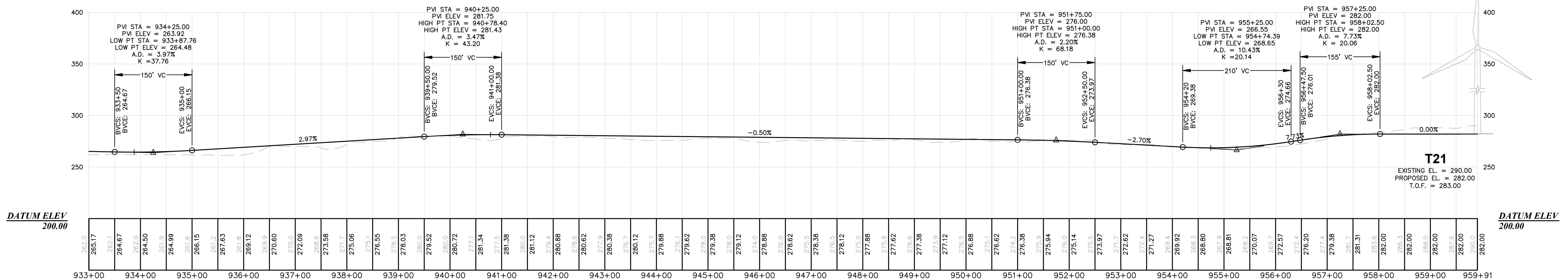
Permit No.:
PERMIT
 Sheet No.: 17.1

NOT FOR CONSTRUCTION



CRANE PATH 910+00

933+00.00 - 959+91.13
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

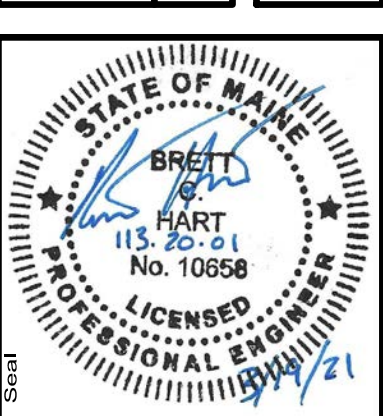


Rev.	Date	By	Description

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 310 4th ST N.E., SUITE 200, CHARLOTTEVILLE, VA

Drawn By: MITFB
 Checked By: JSM
 Designated By: BCH
 Date: 03/19/2021
 Scale:
 Approved: BCH

PLAN AND PROFILE

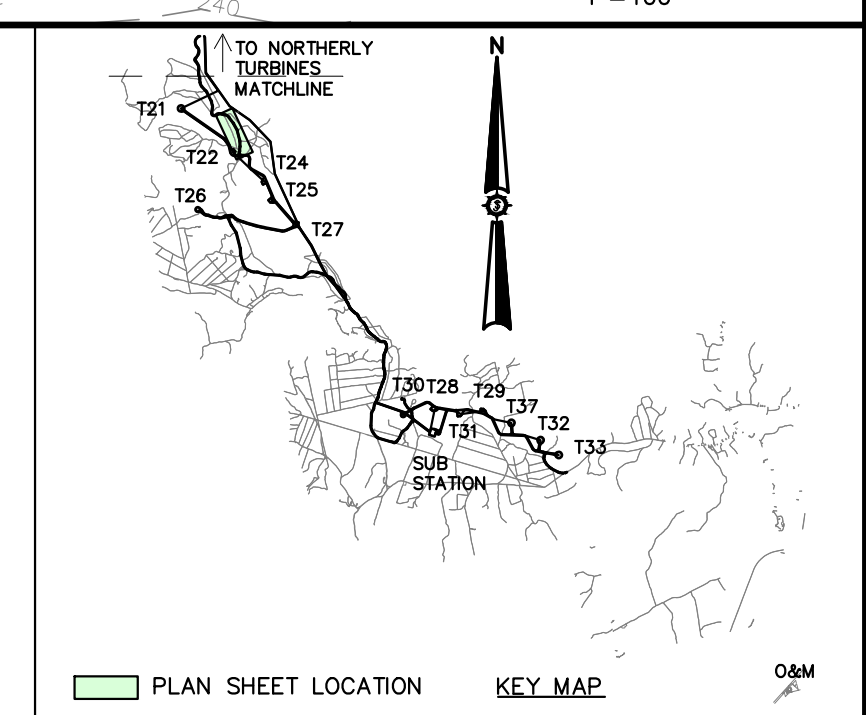
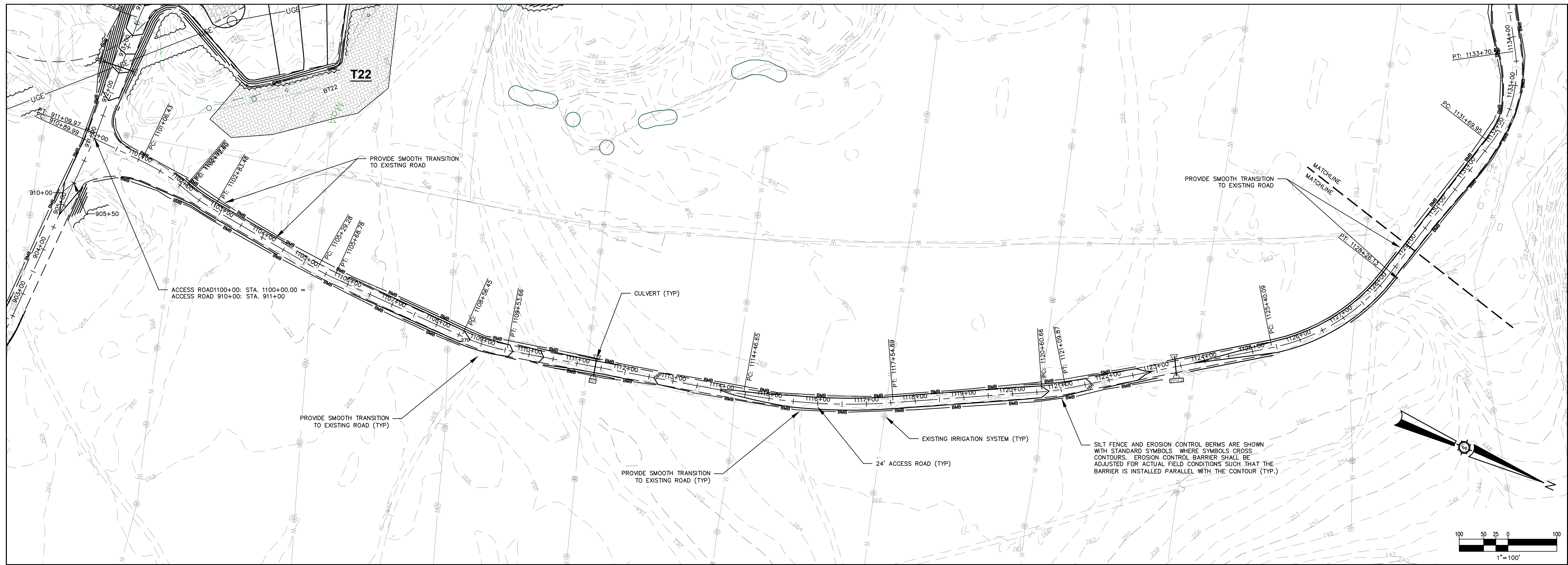


113.20.01

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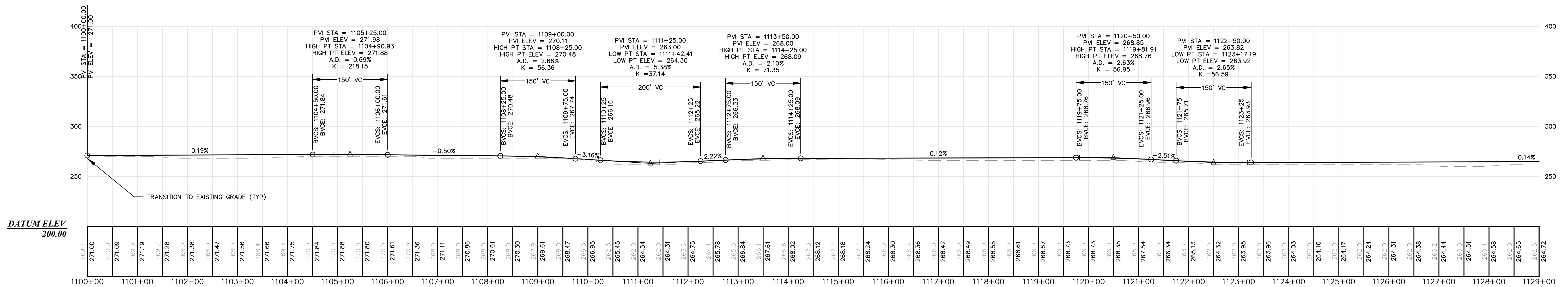
Phase: **PERMIT**
 Sheet No.: **17.2**

NOT FOR CONSTRUCTION



ACCESS ROAD 1100+00
1100+00.00 - 1129+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

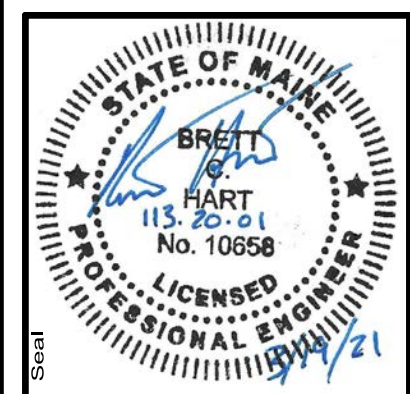


Drawn By	MTEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: **PLAN AND PROFILE**



Project No. **113.20.01**

ENGINEERING SURVEYING

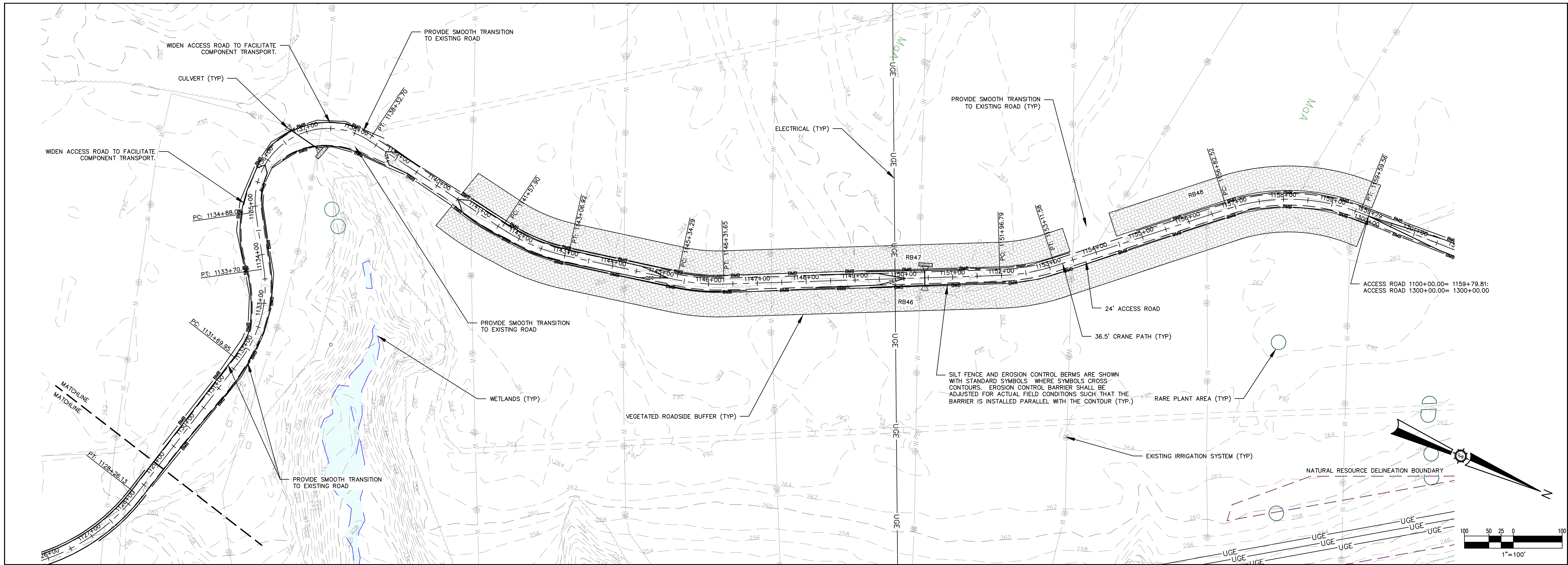
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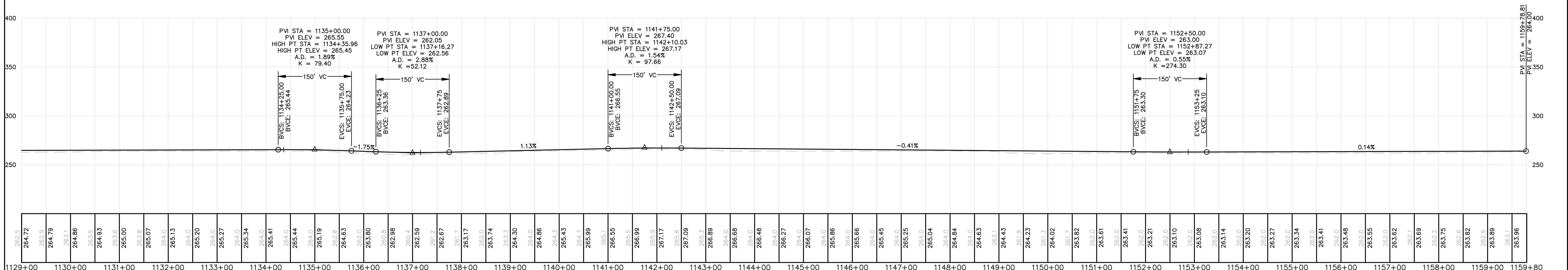
Phase: **PERMIT**

Sheet No. **18.1**

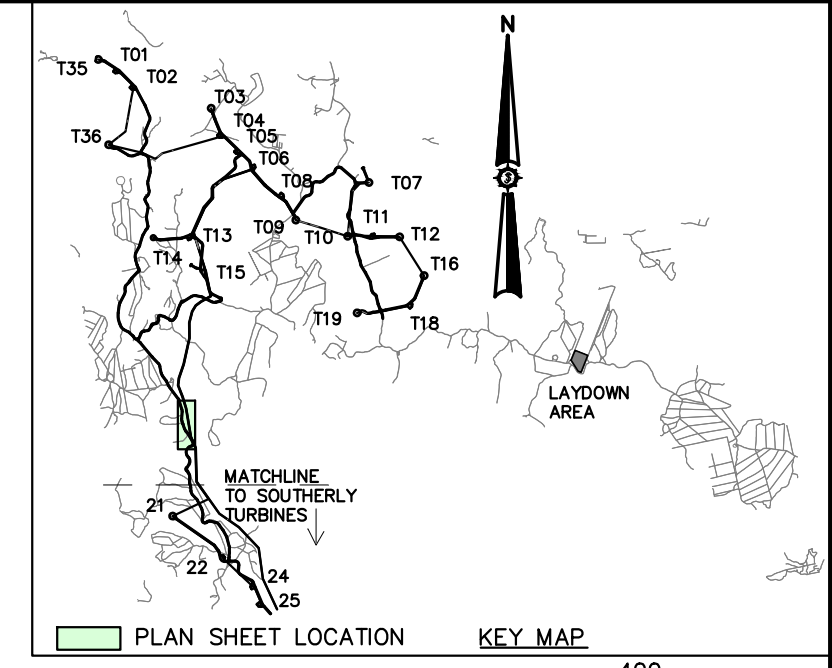
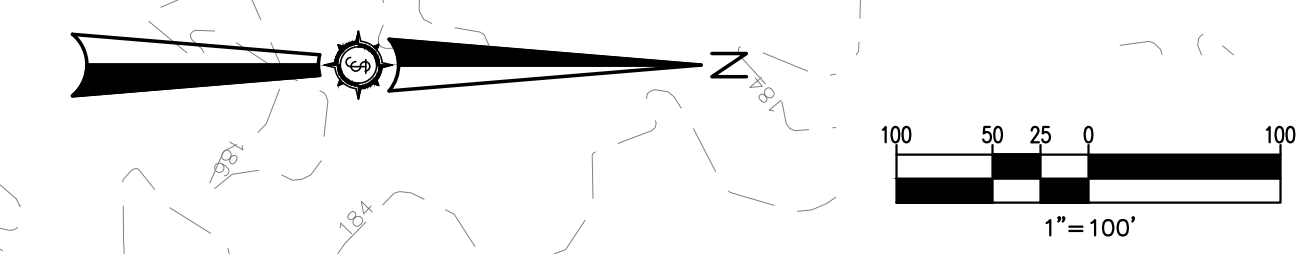
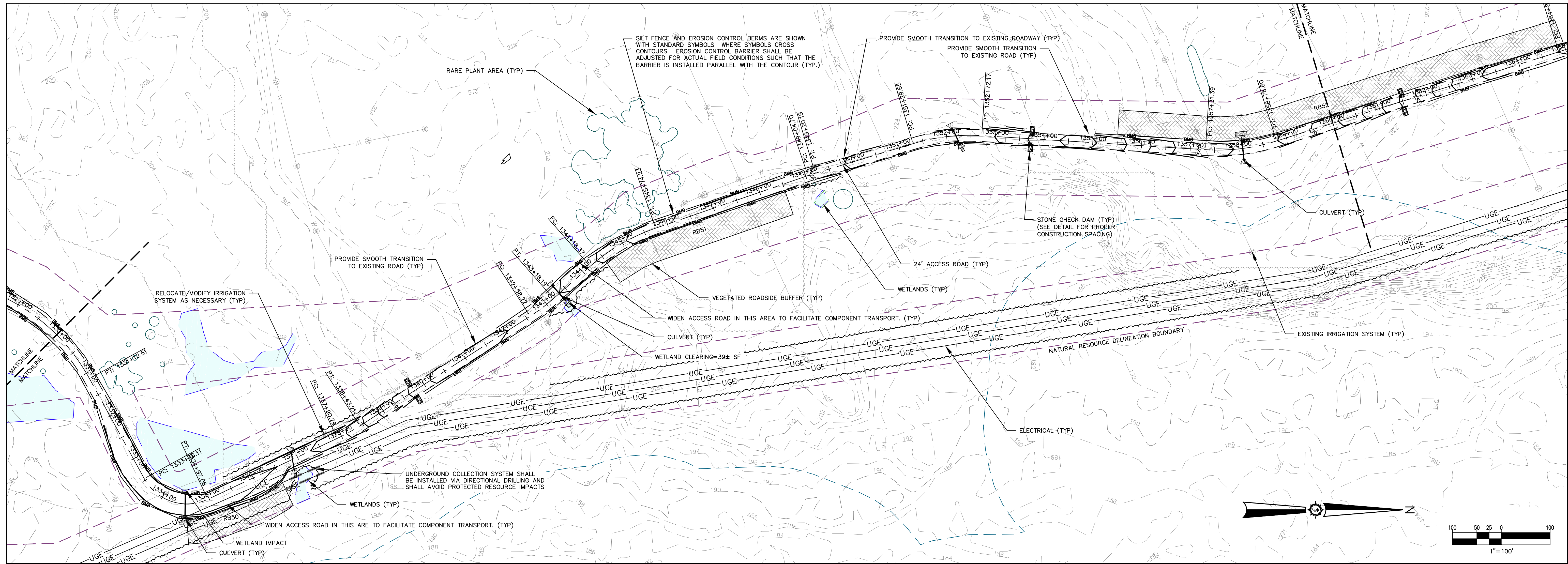
NOT FOR CONSTRUCTION



ACCESS ROAD 1100+00
 1129+00.00 — 1159+80.00
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

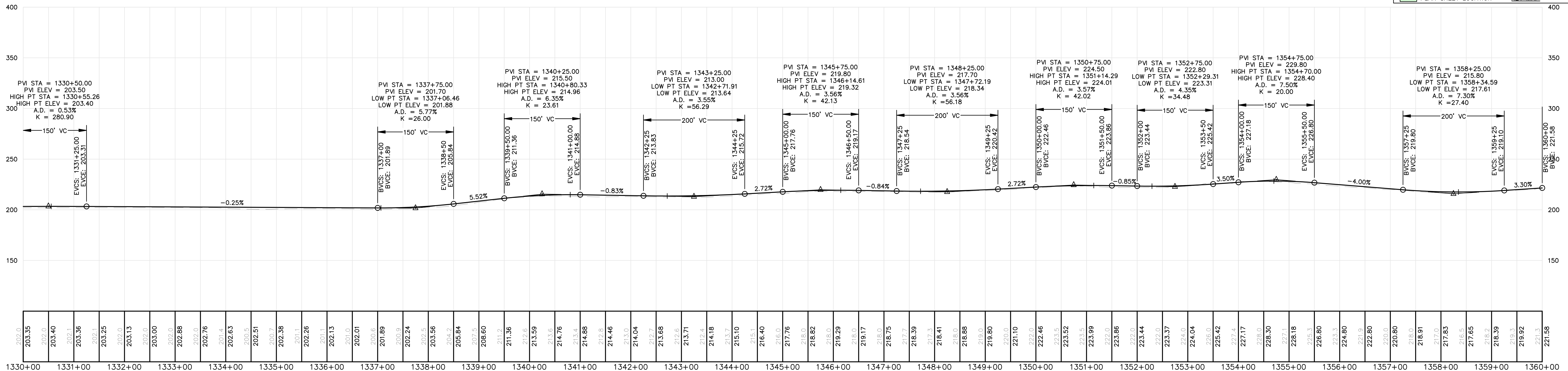


267.5	264.72	262.9	264.79	263.1	264.86	263.5	264.93	263.8	265.00	264.0	265.07	263.6	265.13	264.0	265.20	264.0	265.27	264.0	265.34	264.0	265.41	264.0	265.44	264.0	265.49	264.0	265.53	264.0	265.56	264.0	265.59	264.0	265.62	264.0	265.65	264.0	265.68	264.0	265.71	264.0	265.74	264.0	265.77	264.0	265.80	264.0	265.83	264.0	265.86	264.0	265.89	264.0	265.92	264.0	265.95	264.0	265.98	264.0	266.01	264.0	266.04	264.0	266.07	264.0	266.10	264.0	266.13	264.0	266.16	264.0	266.19	264.0	266.22	264.0	266.25	264.0	266.28	264.0	266.31	264.0	266.34	264.0	266.37	264.0	266.40	264.0	266.43	264.0	266.46	264.0	266.49	264.0	266.52	264.0	266.55	264.0	266.58	264.0	266.61	264.0	266.64	264.0	266.67	264.0	266.70	264.0	266.73	264.0	266.76	264.0	266.79	264.0	266.82	264.0	266.85	264.0	266.88	264.0	266.91	264.0	266.94	264.0	266.97	264.0	267.00	264.0	267.03	264.0	267.06	264.0	267.09	264.0	267.12	264.0	267.15	264.0	267.18	264.0	267.21	264.0	267.24	264.0	267.27	264.0	267.30	264.0	267.33	264.0	267.36	264.0	267.39	264.0	267.42	264.0	267.45	264.0	267.48	264.0	267.51	264.0	267.54	264.0	267.57	264.0	267.60	264.0	267.63	264.0	267.66	264.0	267.69	264.0	267.72	264.0	267.75	264.0	267.78	264.0	267.81	264.0	267.84	264.0	267.87	264.0	267.90	264.0	267.93	264.0	267.96	264.0	267.99	264.0	268.02	264.0	268.05	264.0	268.08	264.0	268.11	264.0	268.14	264.0	268.17	264.0	268.20	264.0	268.23	264.0	268.26	264.0	268.29	264.0	268.32	264.0	268.35	264.0	268.38	264.0	268.41	264.0	268.44	264.0	268.47	264.0	268.50	264.0	268.53	264.0	268.56	264.0	268.59	264.0	268.62	264.0	268.65	264.0	268.68	264.0	268.71	264.0	268.74	264.0	268.77	264.0	268.80	264.0	268.83	264.0	268.86	264.0	268.89	264.0	268.92	264.0	268.95	264.0	268.98	264.0	269.01	264.0	269.04	264.0	269.07	264.0	269.10	264.0	269.13	264.0	269.16	264.0	269.19	264.0	269.22	264.0	269.25	264.0	269.28	264.0	269.31	264.0	269.34	264.0	269.37	264.0	269.40	264.0	269.43	264.0	269.46	264.0	269.49	264.0	269.52	264.0	269.55	264.0	269.58	264.0	269.61	264.0	269.64	264.0	269.67	264.0	269.70	264.0	269.73	264.0	269.76	264.0	269.79	264.0	269.82	264.0	269.85	264.0	269.88	264.0	269.91	264.0	269.94	264.0	269.97	264.0	270.00	264.0	270.03	264.0	270.06	264.0	270.09	264.0	270.12	264.0	270.15	264.0	270.18	264.0	270.21	264.0	270.24	264.0	270.27	264.0	270.30	264.0	270.33	264.0	270.36	264.0	270.39	264.0	270.42	264.0	270.45	264.0	270.48	264.0	270.51	264.0	270.54	264.0	270.57	264.0	270.60	264.0	270.63	264.0	270.66	264.0	270.69	264.0	270.72	264.0	270.75	264.0	270.78	264.0	270.81	264.0	270.84	264.0	270.87	264.0	270.90	264.0	270.93	264.0	270.96	264.0	270.99	264.0	271.02	264.0	271.05	264.0	271.08	264.0	271.11	264.0	271.14	264.0	271.17	264.0	271.20	264.0	271.23	264.0	271.26	264.0	271.29	264.0	271.32	264.0	271.35	264.0	271.38	264.0	271.41	264.0	271.44	264.0	271.47	264.0	271.50	264.0	271.53	264.0	271.56	264.0	271.59	264.0	271.62	264.0	271.65	264.0	271.68	264.0	271.71	264.0	271.74	264.0	271.77	264.0	271.80	264.0	271.83	264.0	271.86	264.0	271.89	264.0	271.92	264.0	271.95	264.0	271.98	264.0	272.01	264.0	272.04	264.0	272.07	264.0	272.10	264.0	272.13	264.0	272.16	264.0	272.19	264.0	272.22	264.0	272.25	264.0	272.28	264.0	272.31	264.0	272.34	264.0	272.37	264.0	272.40	264.0	272.43	264.0	272.46	264.0	272.49	264.0	272.52	264.0	272.55	264.0	272.58	264.0	272.61	264.0	272.64	264.0	272.67	264.0	272.70	264.0	272.73	264.0	272.76	264.0	272.79	264.0	272.82	264.0	272.85	264.0	272.88	264.0	272.91	264.0	272.94	264.0	272.97	264.0	273.00	264.0	273.03	264.0	273.06	264.0	273.09	264.0	273.12	264.0	273.15	264.0	273.18	264.0	273.21	264.0	273.24	264.0	273.27	264.0	273.30	264.0	273.33	264.0	273.36	264.0	273.39	264.0	273.42	264.0	273.45	264.0	273.48	264.0	273.51	264.0	273.54	264.0	273.57	264.0	273.60	264.0	273.63	264.0	273.66	264.0	273.69	264.0	273.72	264.0	273.75	264.0	273.78	264.0	273.81	264.0	273.84	264.0	273.87	264.0	273.90	264.0	273.93	264.0	273.96	264.0	273.99	264.0	274.02	264.0	274.05	264.0	274.08	264.0	274.11	264.0	274.14	264.0	274.17	264.0	274.20	264.0	274.23	264.0	274.26	264.0	274.29	264.0	274.32	264.0	274.35	264.0	274.38	264.0	274.41	264.0	274.44	264.0	274.47	264.0	274.50	264.0	274.53	264.0	274.56	264.0	274.59	264.0	274.62	264.0	274.65	264.0	274.68	264.0	274.71	264.0	274.74	264.0	274.77	264.0	274.80	264.0	274.83	264.0	274.86	264.0	274.89	264.0	274.92	264.0	274.95	264.0	274.98	264.0	275.01	264.0	275.04	264.0	275.07	264.0	275.10	264.0	275.13	264.0	275.16	264.0	275.19	264.0	275.22	264.0	275.25	264.0	275.28	264.0	275.31	264.0	275.34	264.0	275.37	264.0	275.40	264.0	275.43	264.0	275.46	264.0	275.49	264.0	275.52	264.0	275.55	264.0	275.58	264.0	275.61	264.0	275.64	264.0	275.67	264.0	275.70	264.0	275.73	264.0	275.76	264.0	275.79	264.0	275.82	264.0	275.85	264.0	275.88	264.0	275.91	264.0	275.94	264.0	275.97	264.0	276.00	264.0	276.03	264.0	276.06	264.0	276.09	264.0	276.12	264.0	276.15	264.0	276.18	264.0	276.21	264.0	276.24	264.0	276.27	264.0	276.30	264.0	276.33	264.0	276.36	264.0	276.39	264.0	276.42	264.0	276.45	264.0	276.48	264.0	276.51	264.0	276.54	264.0	276.57	264.0	276.60	264.0	276.63	264.0	27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1330+00.00 — 1360+00.00

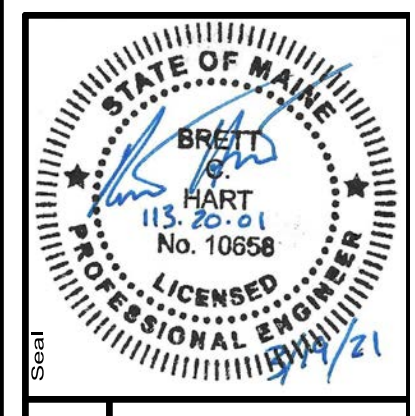
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Drawn By	MTEB
Checked By	JSM
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST NE, SUITE 200
COLUMBIA, MAINE

Drawn By: MTEB
Checked By: JSM
Scale: BCH
Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description: PLAN AND PROFILE



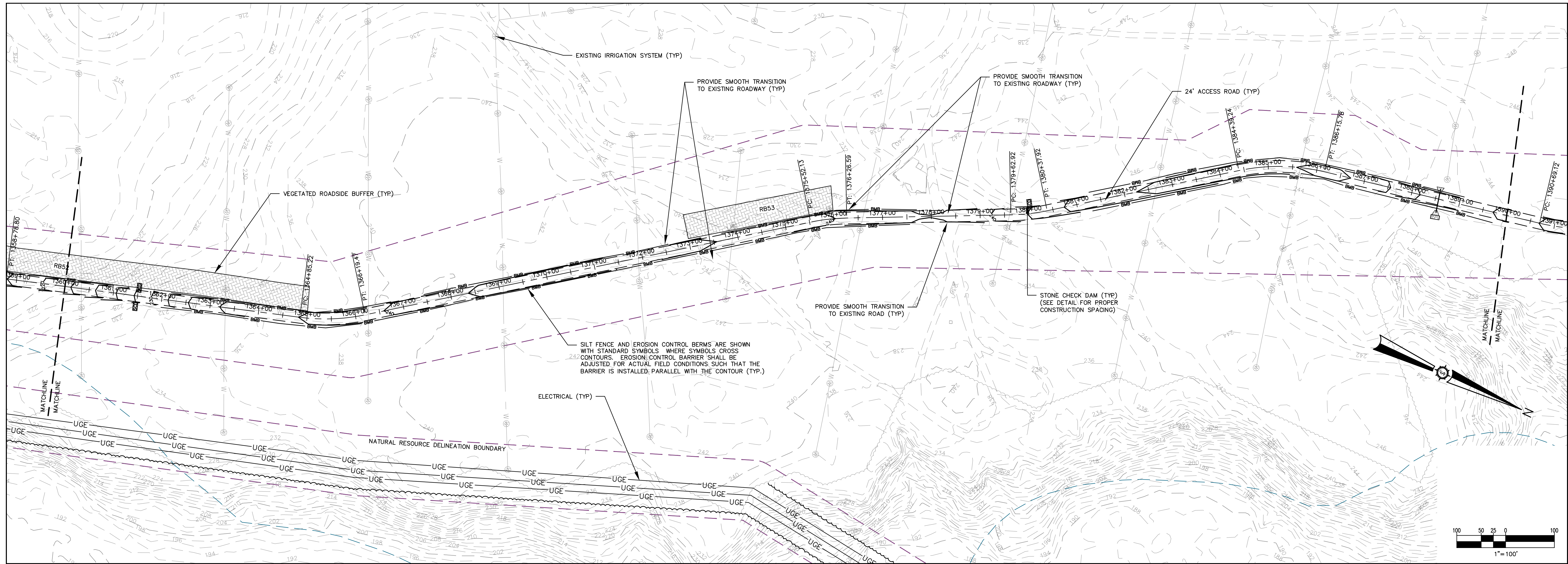
113.20.01

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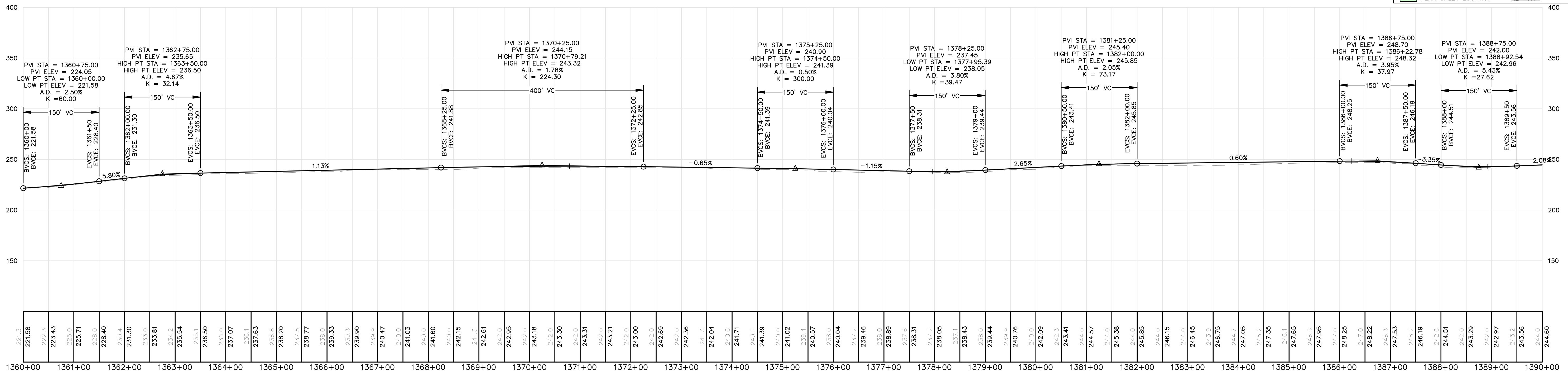
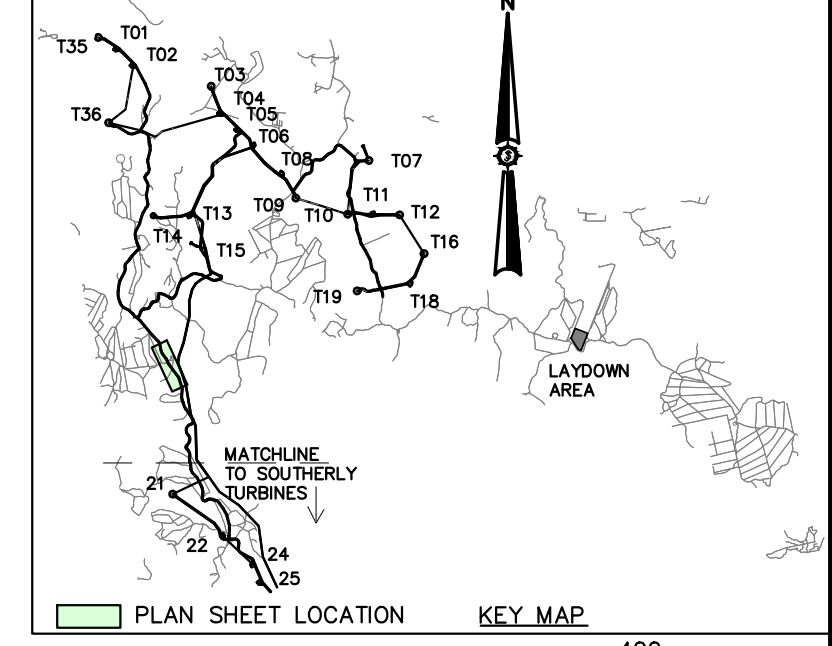
www.sewal.com 1 800 648 4202

NOT FOR CONSTRUCTION



ACCESS ROAD 1300+00
1360+00.00 - 1390+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Drawn By	MTEB
Checked By	JSM
Scale	1"=100'
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Client	APEX CLEAN ENERGY, INC. - DOWNEAST WIND FARM
Date	03/19/2021

APEX CLEAN ENERGY, INC. - DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Client: APEX CLEAN ENERGY, INC. - DOWNEAST WIND FARM

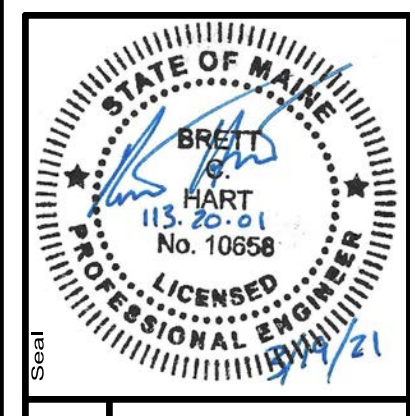
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Drawn By: MTEB

Checked By: JSM

Approved By: BCH

Drawing Description: PLAN AND PROFILE



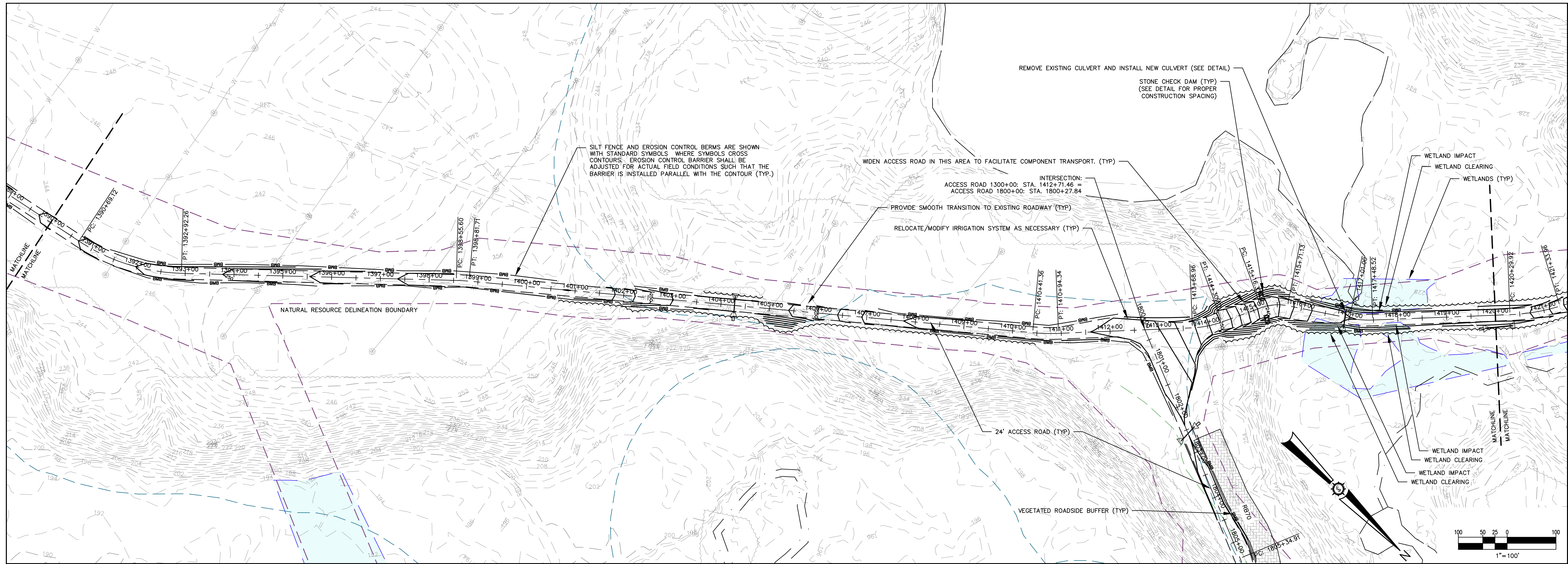
113.20.01

ENGINEERING SURVEYING

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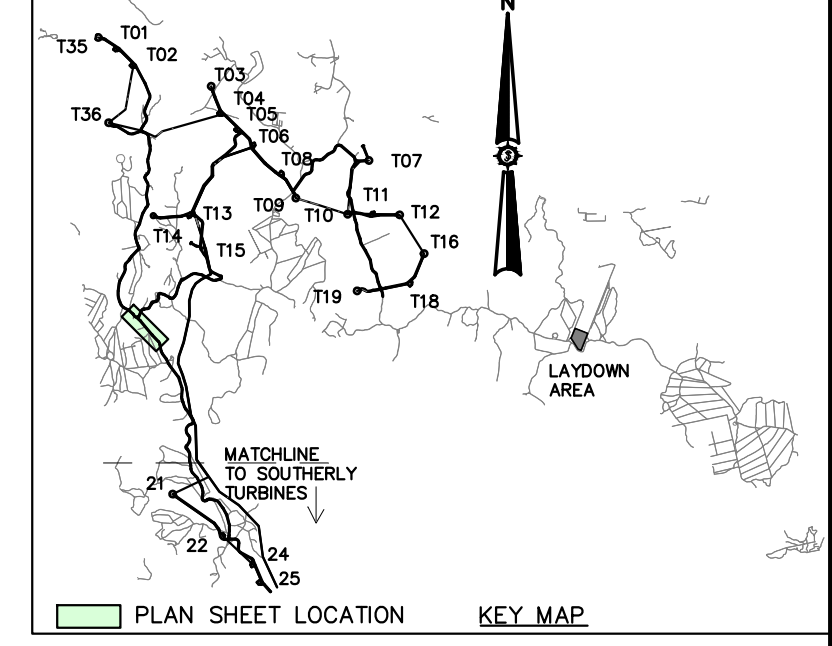
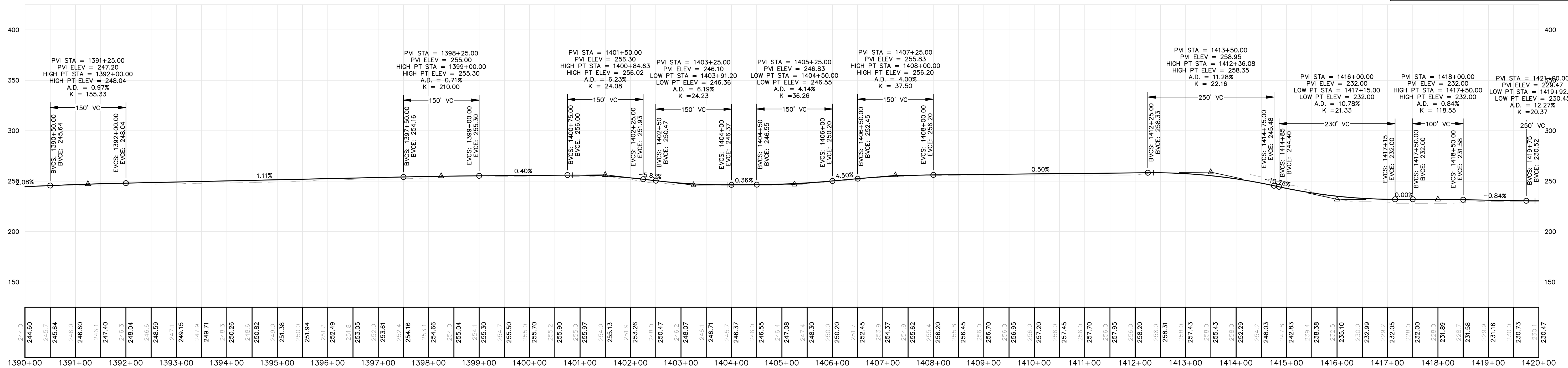
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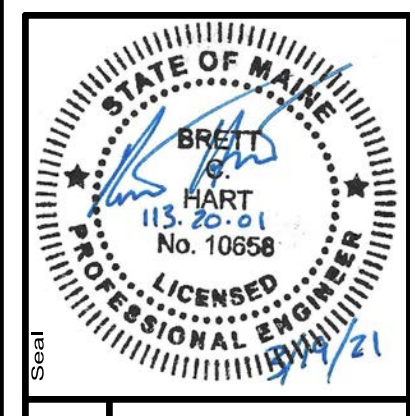
ACCESS ROAD 1300+00
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HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



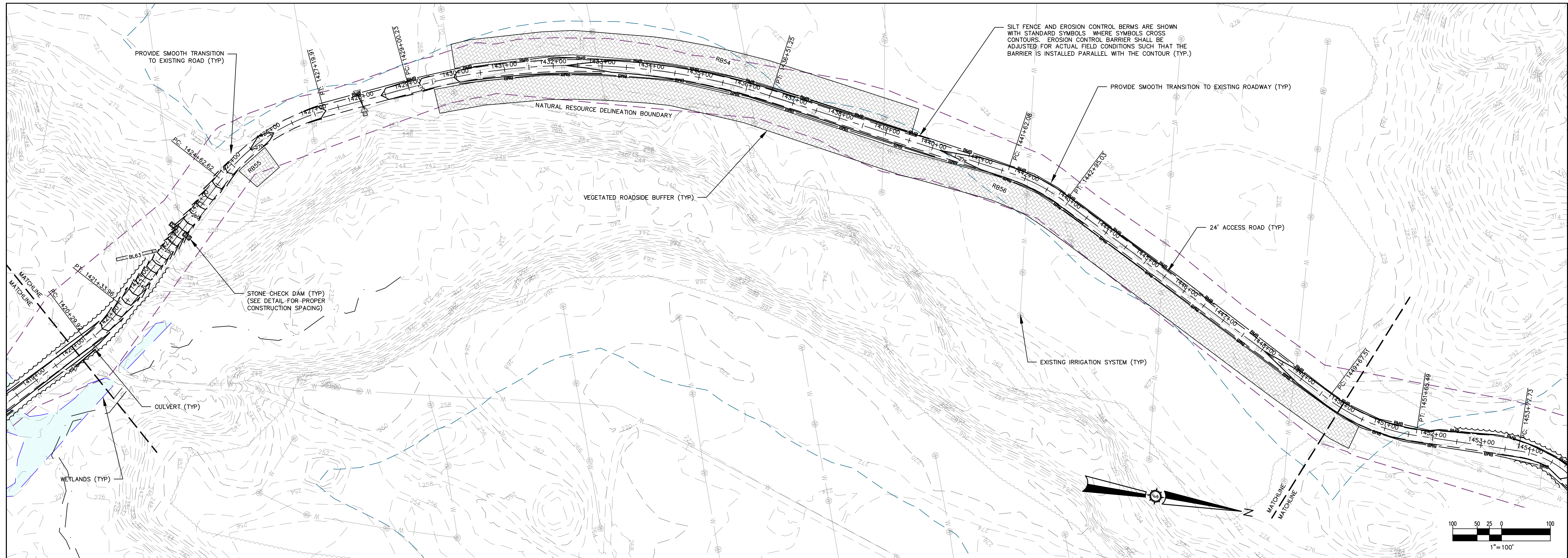
Rev. #	Drawn By	Description

Drawn By: MITFB
 Date: 03/19/2021
 Scale:
 Design: BCH
 Check: JSM
 Approved: BCH
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST NE, SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
PLAN AND PROFILE

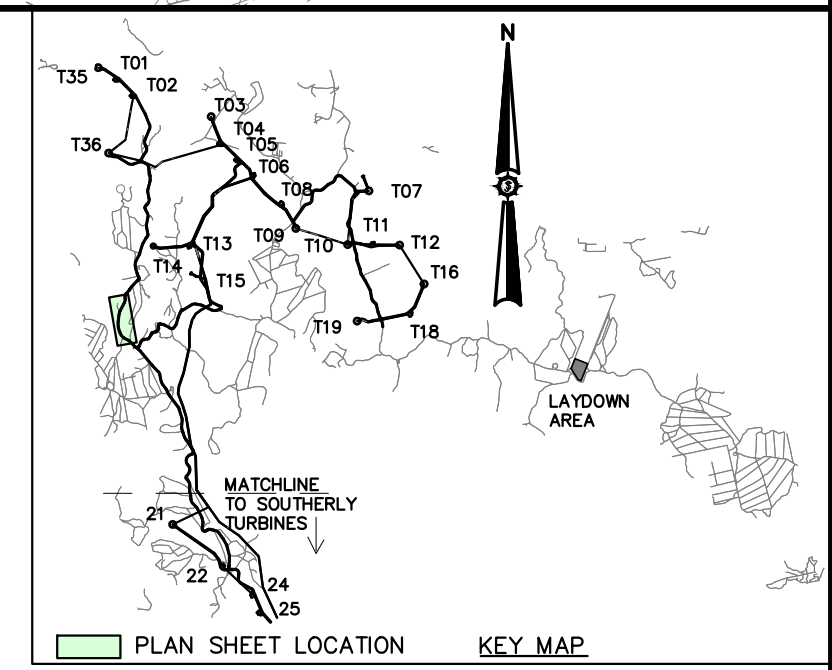
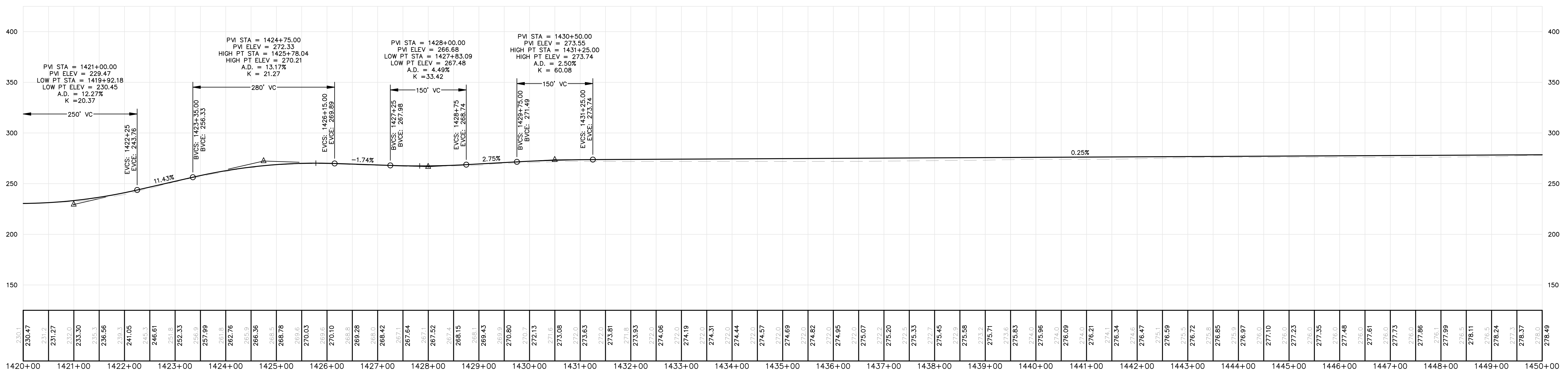


Project No: 113.20.01
 Engineer: SURVEYING
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Phase: PERMIT
 Sheet No: 19.4
NOT FOR CONSTRUCTION



ACCESS ROAD 1300+00
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 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



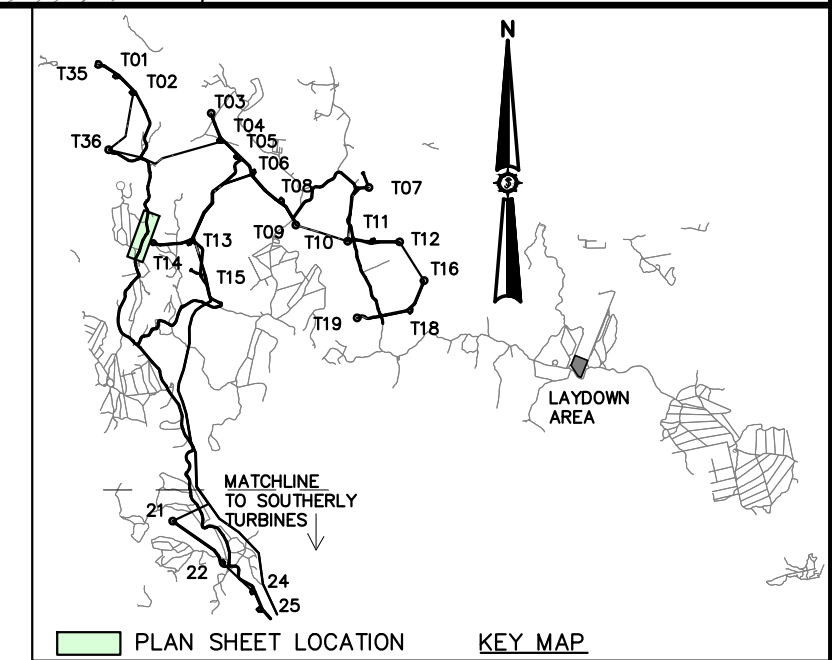
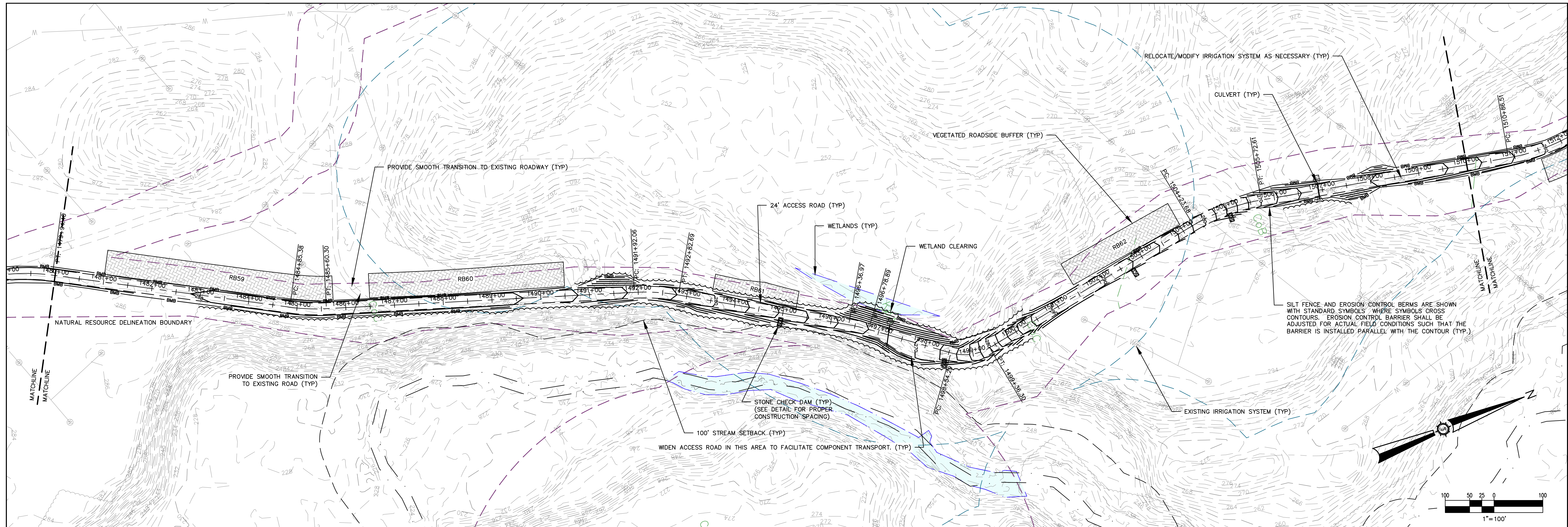
Date	
Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Class	03/19/2021
Scale	
Approved	BCH
Drawing Description	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 310 4th ST N.E., SUITE 200, CHARLOTTEVILLE, VA

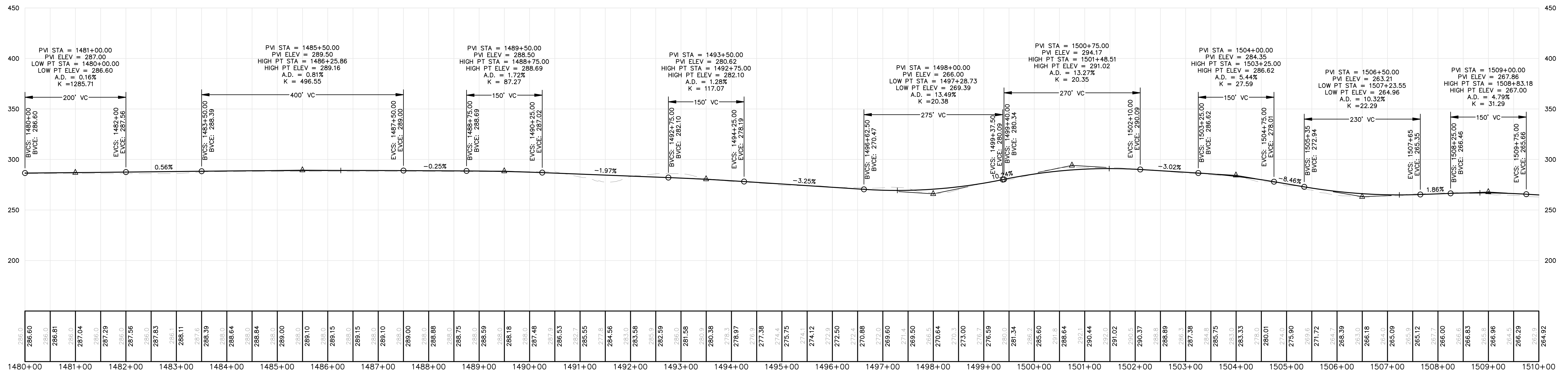
Project No. 113.20.01
 Engineer: SURVEYING
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PERMIT
 Sheet No. 19.5

NOT FOR CONSTRUCTION



ACCESS ROAD 1300+00
 1480+00.00 — 1510+00.00
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



NOT FOR CONSTRUCTION

Drawn By	MTEB
Checked By	JSM
Approved By	BCH
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

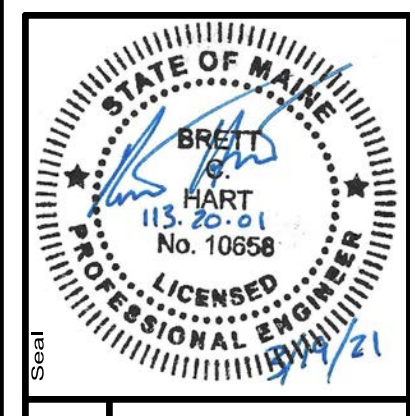
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Scale: 1"=100'

Project No. 113.20.01

Phase: PERMIT

Sheet No. 19.7



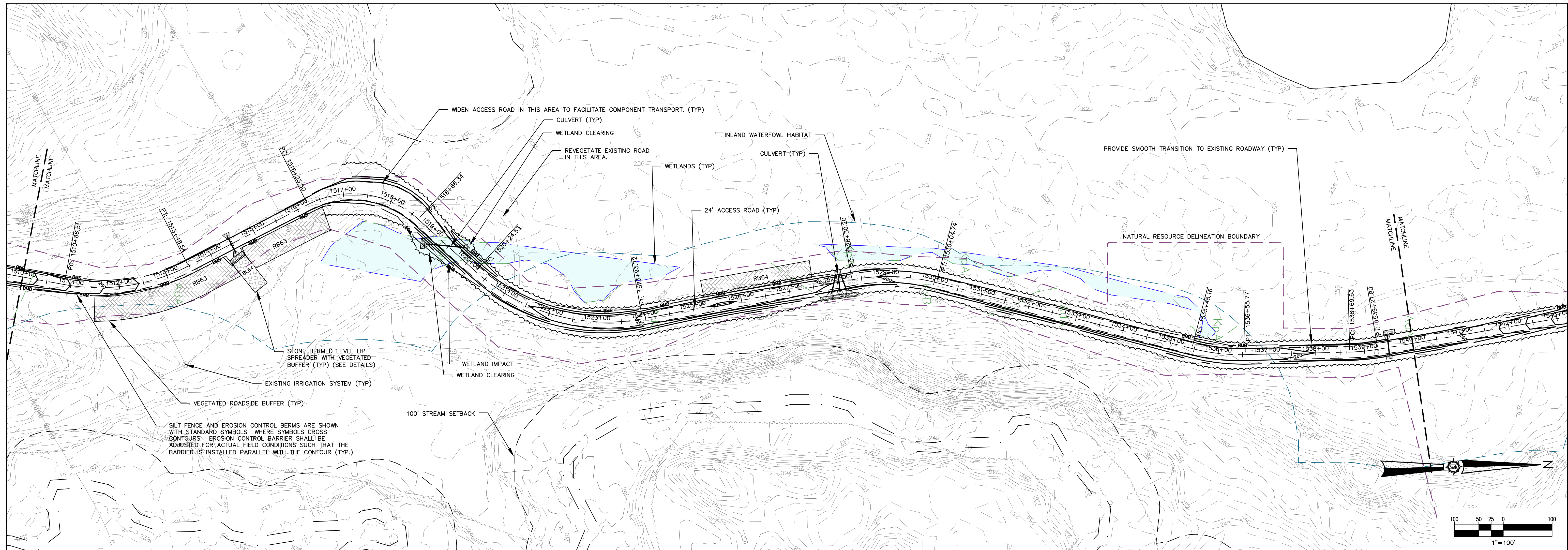
113.20.01

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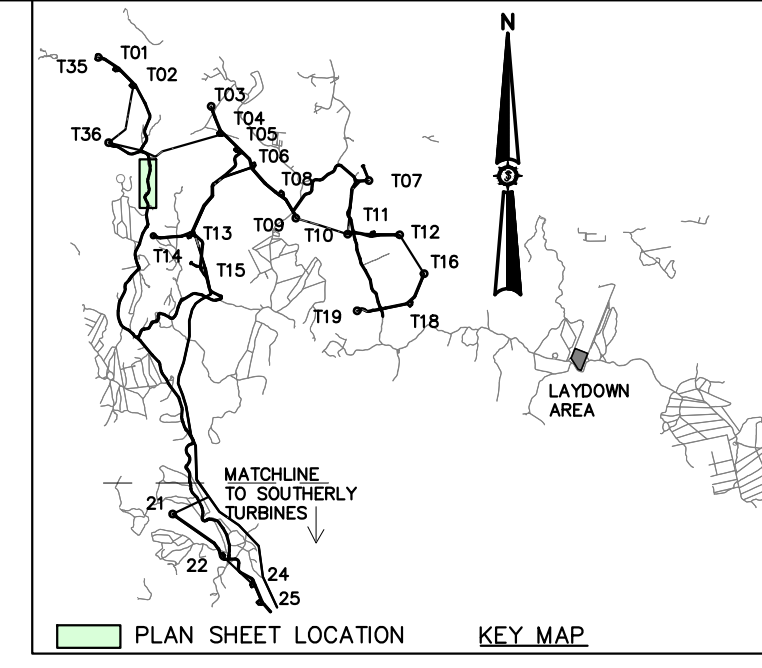
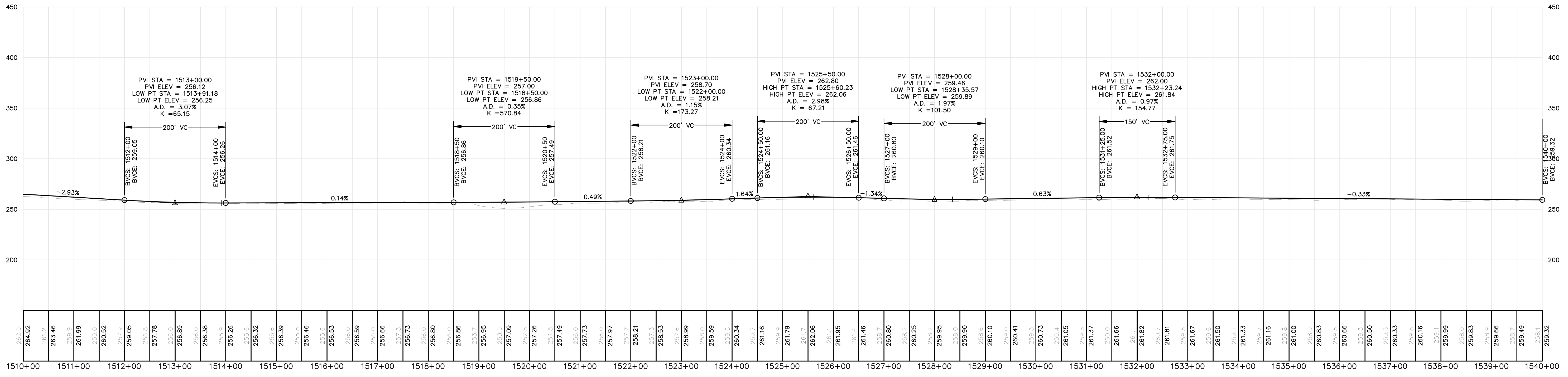
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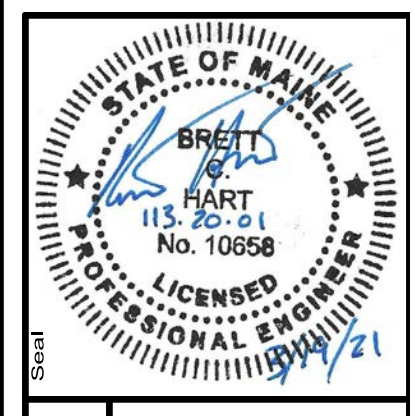
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1510+00.00 - 1540+00.00
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Rev.	Date	By	Description

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINEProject Location: CARRINGTONVILLE, VA
Scale: 1"=100'

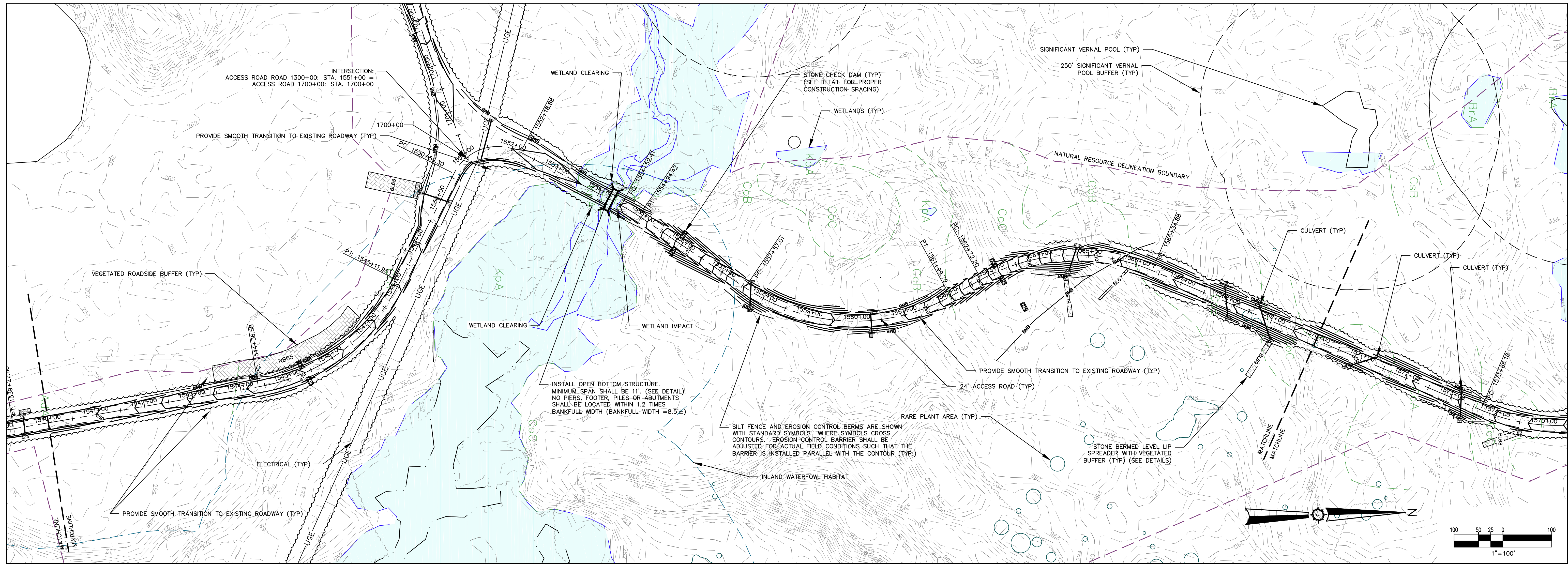
Drawn By: MITFB
Checked By: JSM
Approved By: BCH



113.20.01

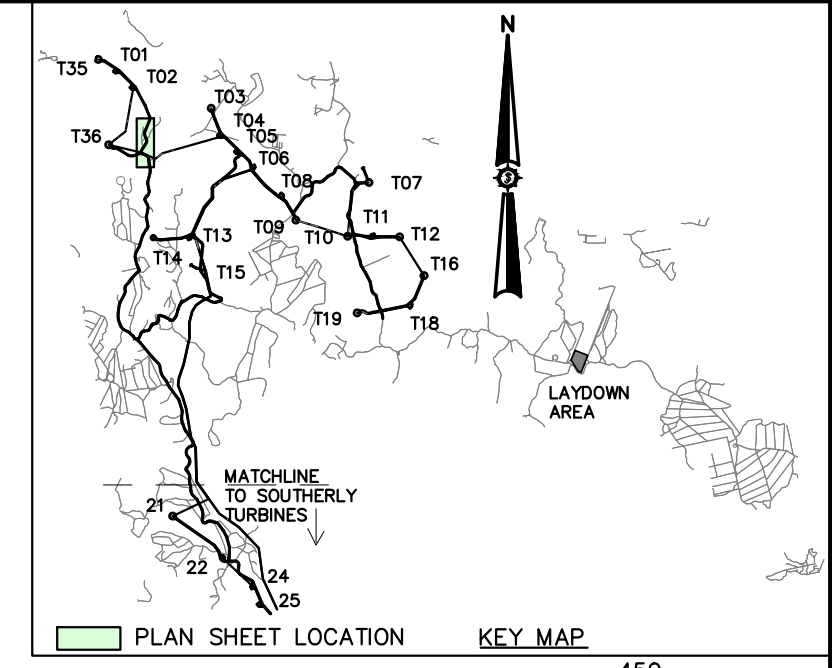
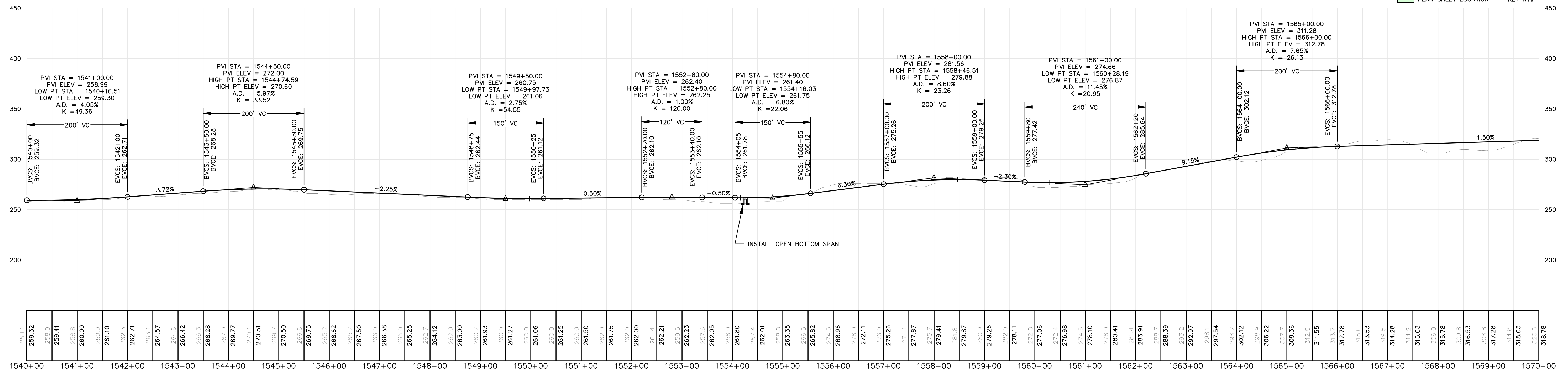
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ACCESS ROAD 1300+00
1540+00.00 - 1570+00.00

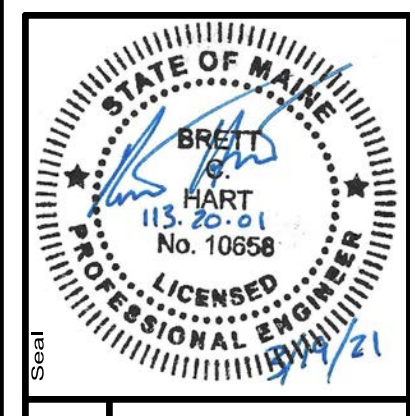
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Rev.	Date	By	Description

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST. N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINEProject Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Scale: 1"=100'

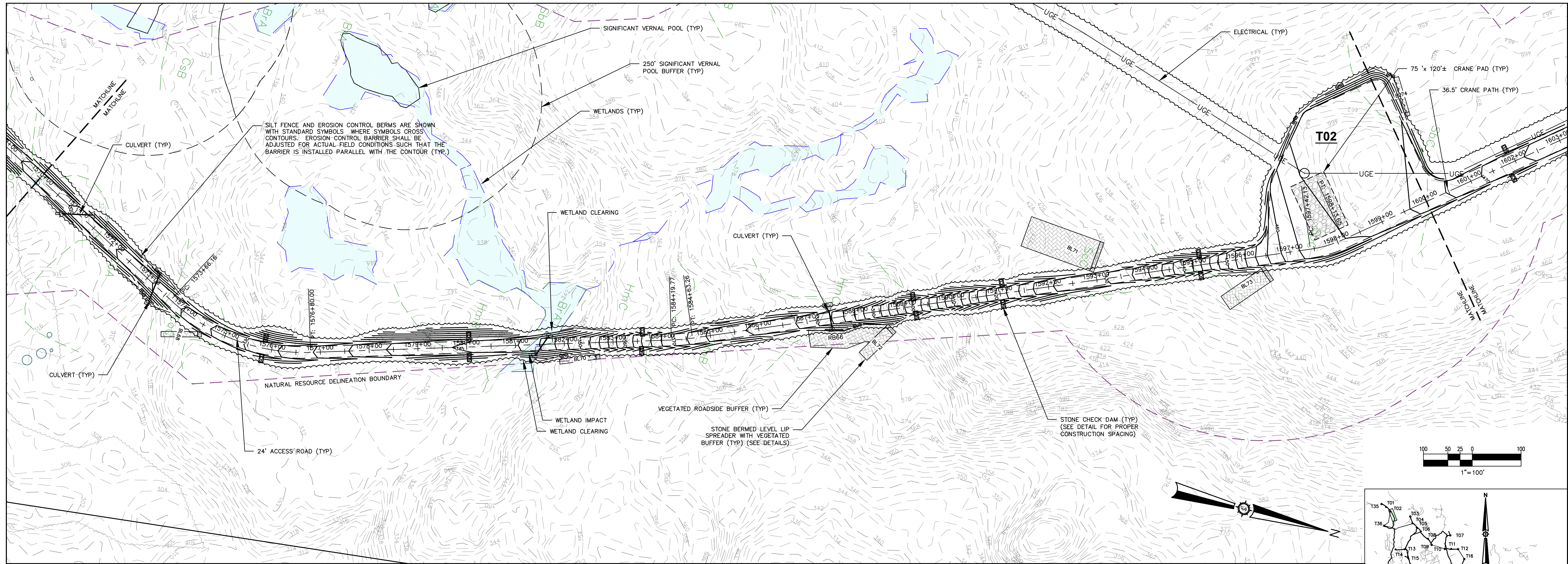
Drawn By: MITFB
Checked By: JSM
Approved By: BCH



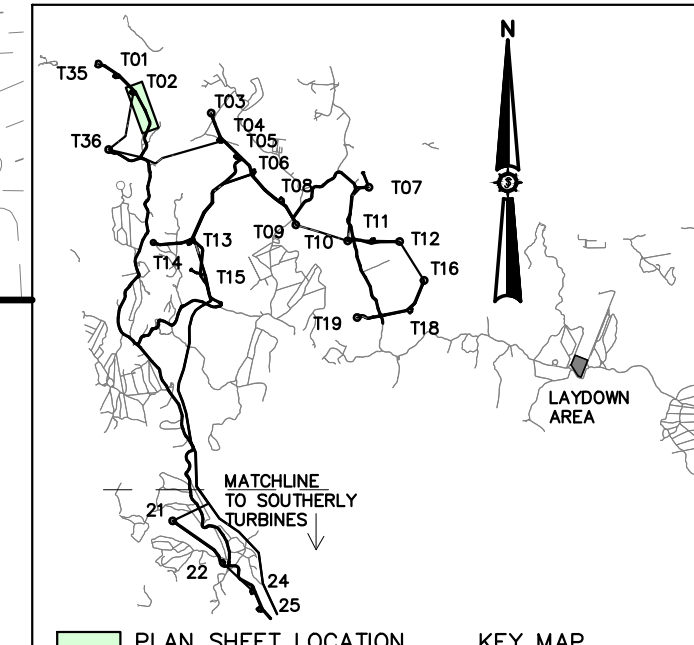
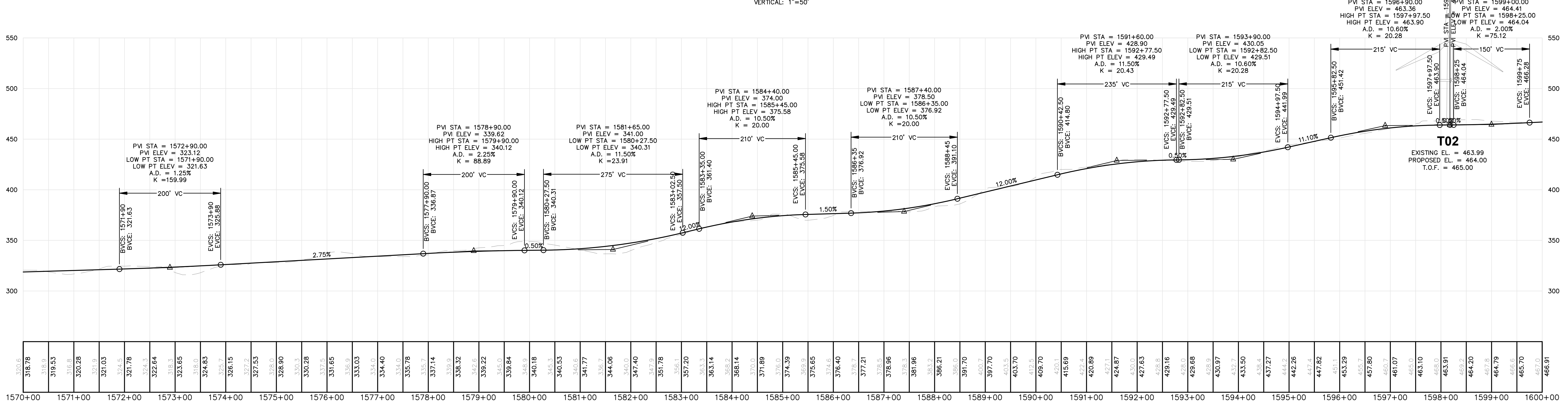
113.20.01
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Phase: PERMIT
Sheet No.: 19.9

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ACCESS ROAD 1300+00
 1570+00.00 — 1600+00.00
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawn By: MITFB
 Checked: JSM
 Date: -

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Scale: -

Approved: BCH

Drawing Description: **PLAN AND PROFILE**

113.20.01

ENGINEERING SURVEYING

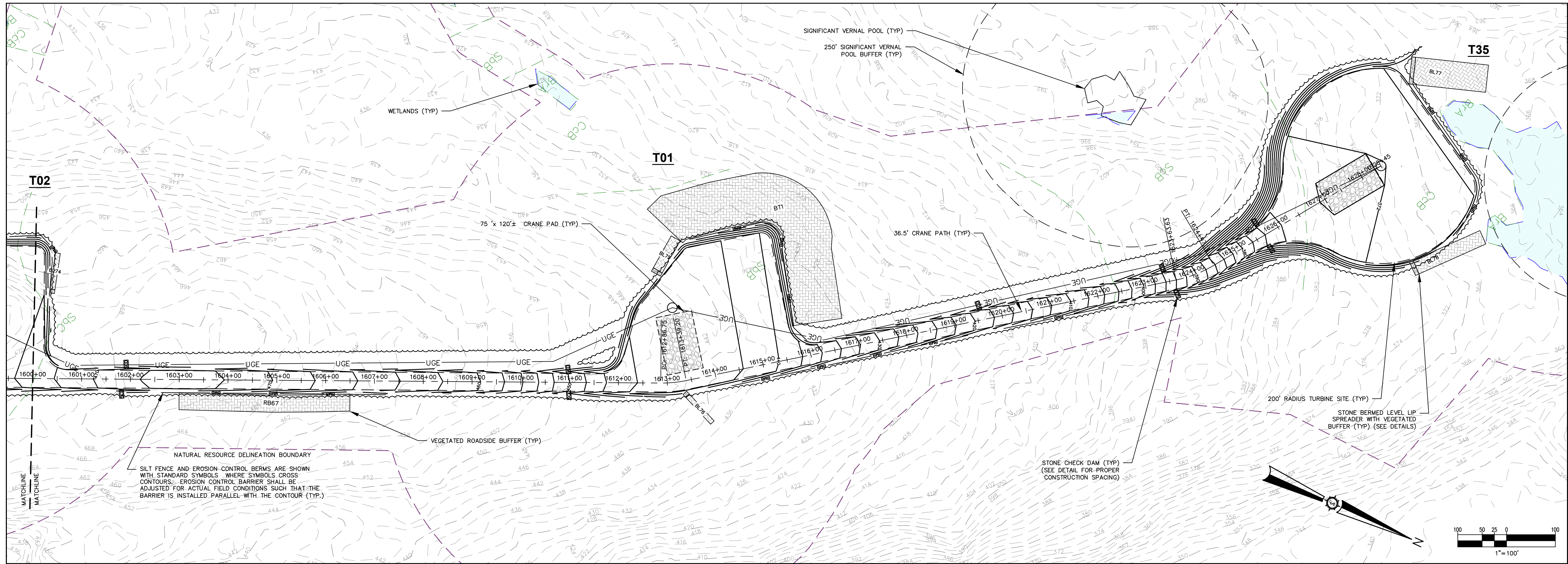
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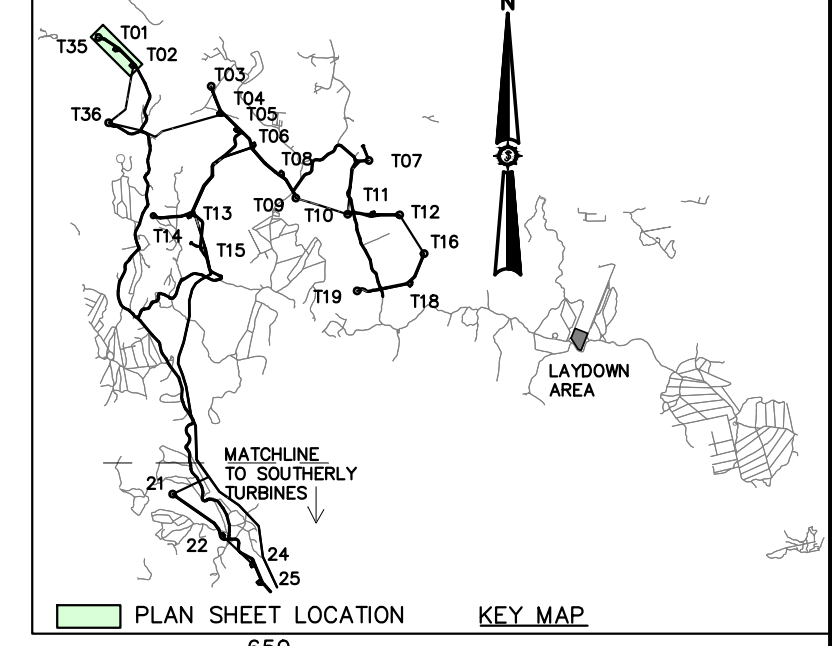
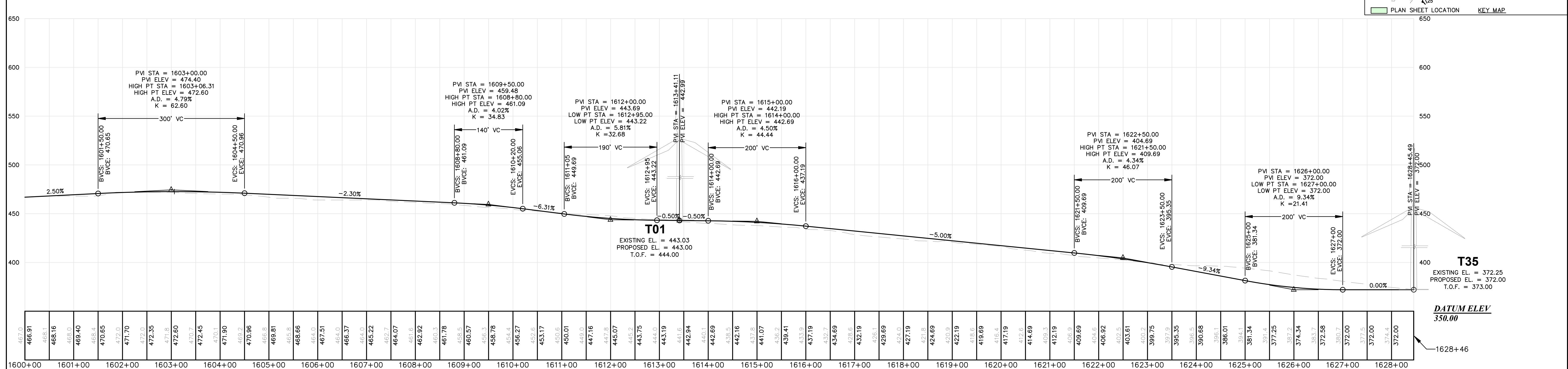
PERMIT

19.10

NOT FOR CONSTRUCTION



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 VERTICAL: 1"=50'

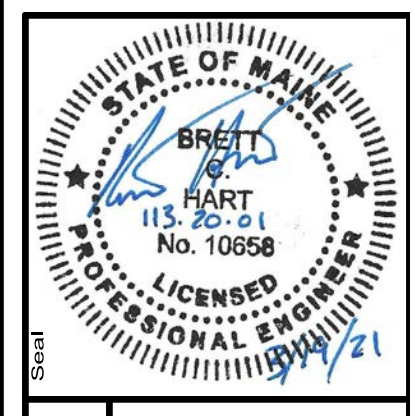


Drawn By	MIFEB
Checked By	JSM
Designated By	BCH
Scale	AS SHOWN
Date	03/19/2021

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: **PLAN AND PROFILE**



113.20.01

ENGINEERING SURVEYING

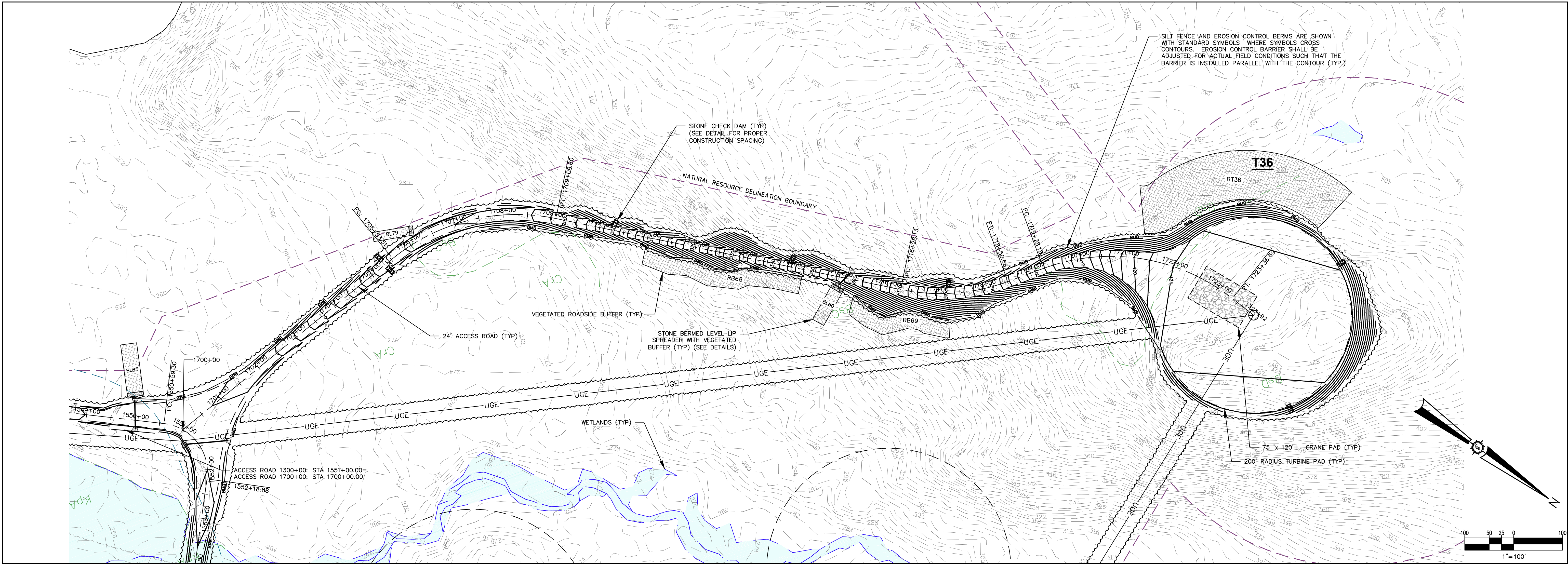
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Phase: **PERMIT**

Sheet No.: **19.11**

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SILT FENCE AND EROSION CONTROL BERMS ARE SHOWN WITH STANDARD SYMBOLS WHERE SYMBOLS CROSS CONTOURS. EROSION CONTROL BARRIER SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS SUCH THAT THE BARRIER IS INSTALLED PARALLEL WITH THE CONTOUR (TYP.)

STONE CHECK DAM (TYP)
(SEE DETAIL FOR PROPER CONSTRUCTION SPACING)

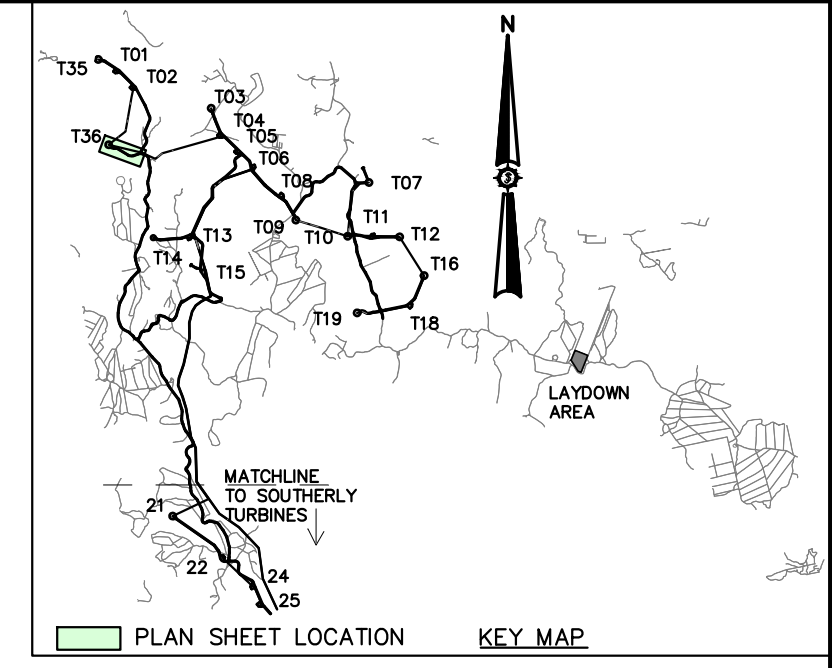
NATURAL RESOURCE DELINEATION BOUNDARY

VEGETATED ROADSIDE BUFFER (TYP)

STONE BERMED LEVEL LIP SPREADER WITH VEGETATED BUFFER (TYP) (SEE DETAILS)

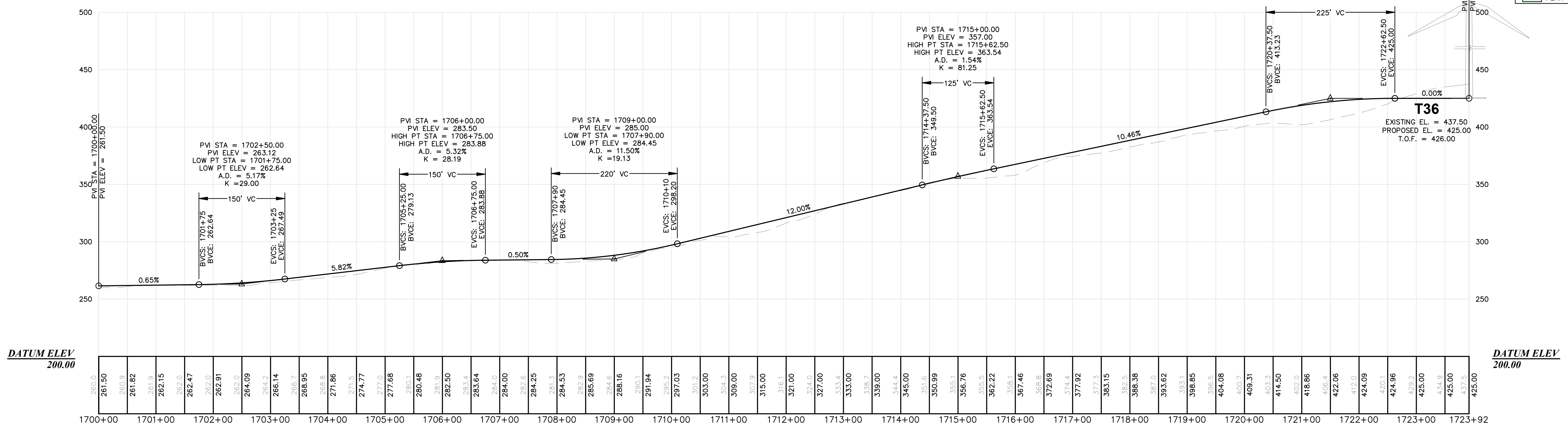
WETLANDS (TYP)

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ACCESS ROAD 1700+00: STA 1700+00.00
1552+16.88



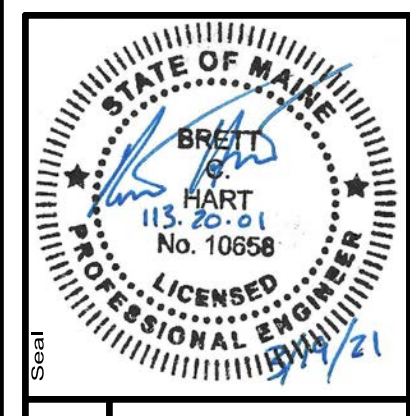
ACCESS ROAD 1700+00
1700+00.00 - 1723+92.04

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Drawn By	MTFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	

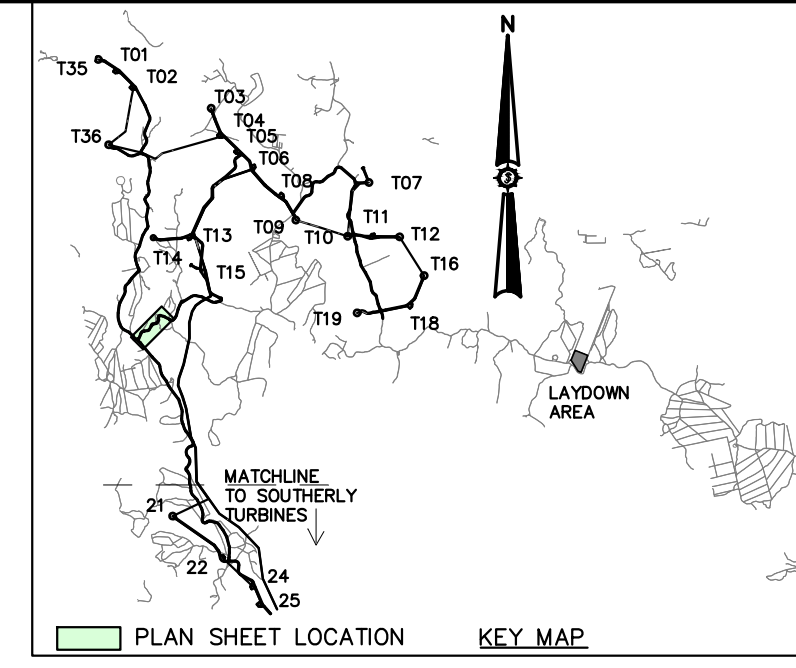
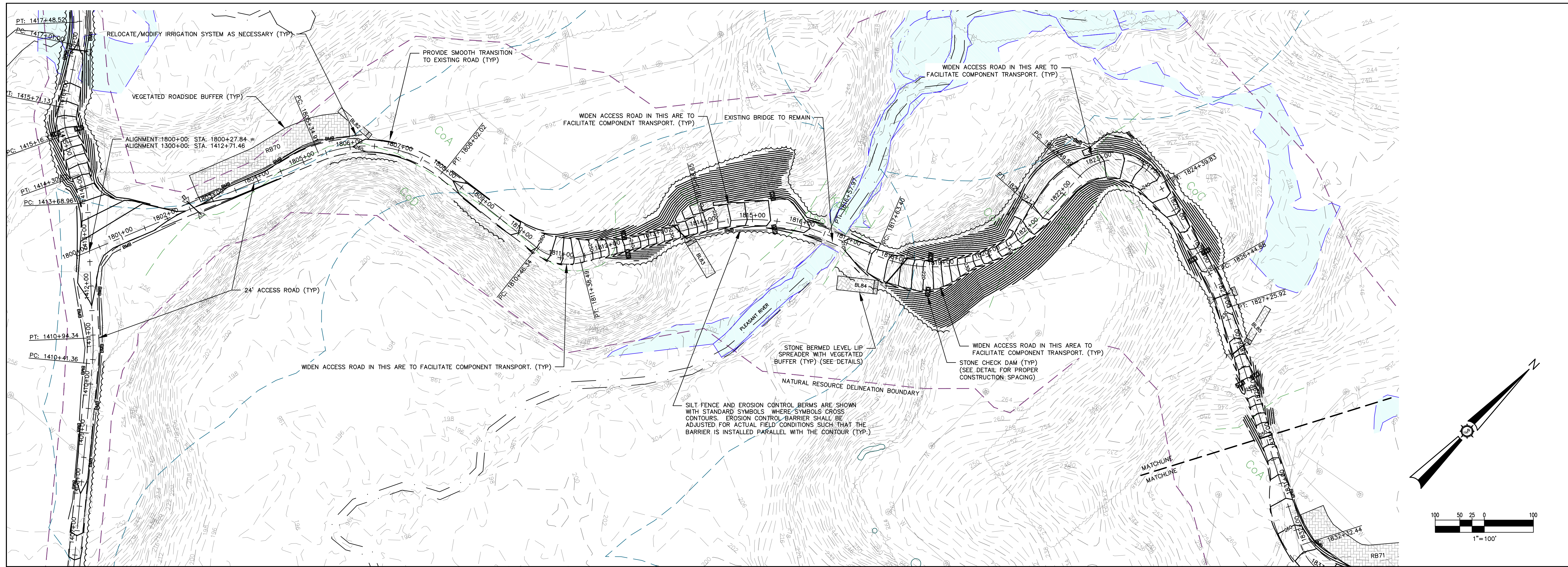
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST. N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description: **PLAN AND PROFILE**



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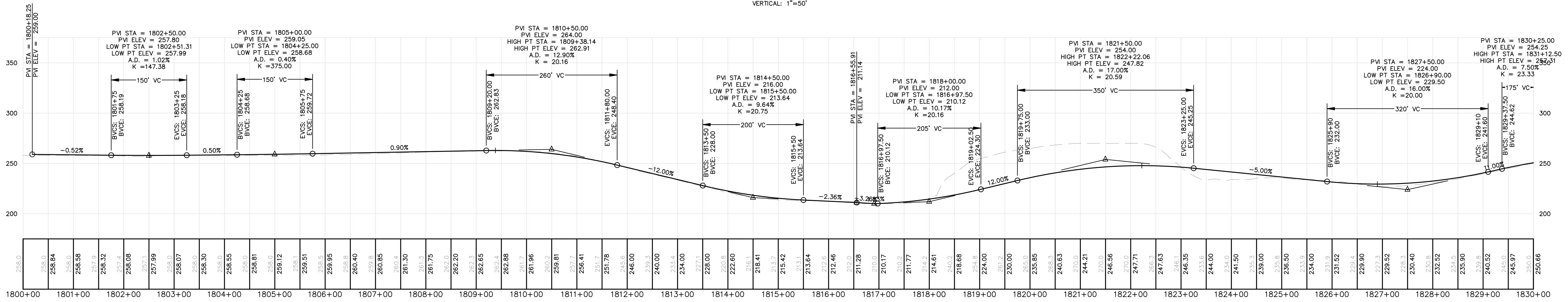
PERMIT
19.12

NOT FOR CONSTRUCTION



ACCESS ROAD 1800+00
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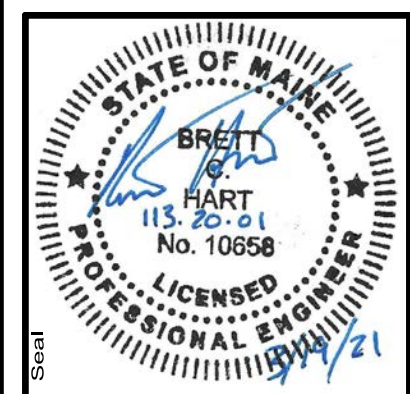
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Date	
Drawn By	MITFB
Checked By	JSM
Approved By	BCH
Designated By	BCH
Scale	AS SHOWN
Drawn Date	03/19/2021

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Location

PLAN AND PROFILE



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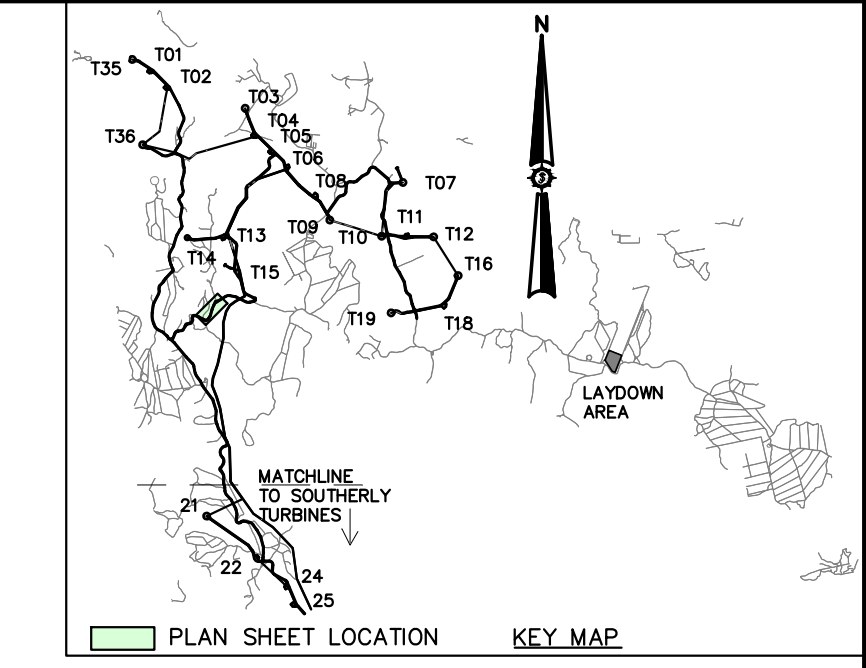
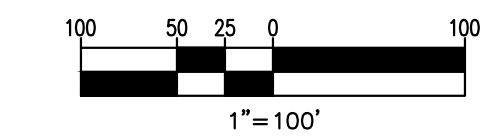
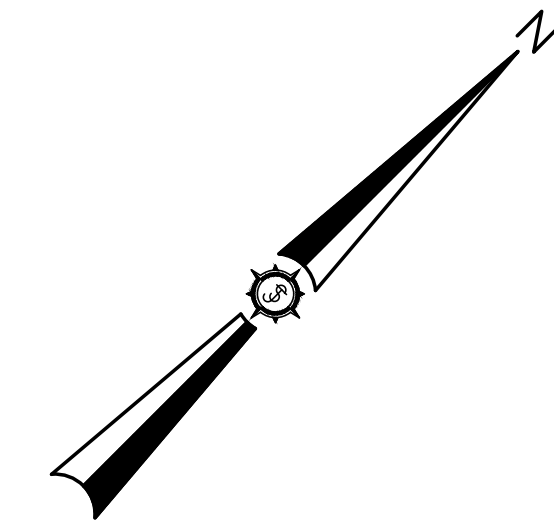
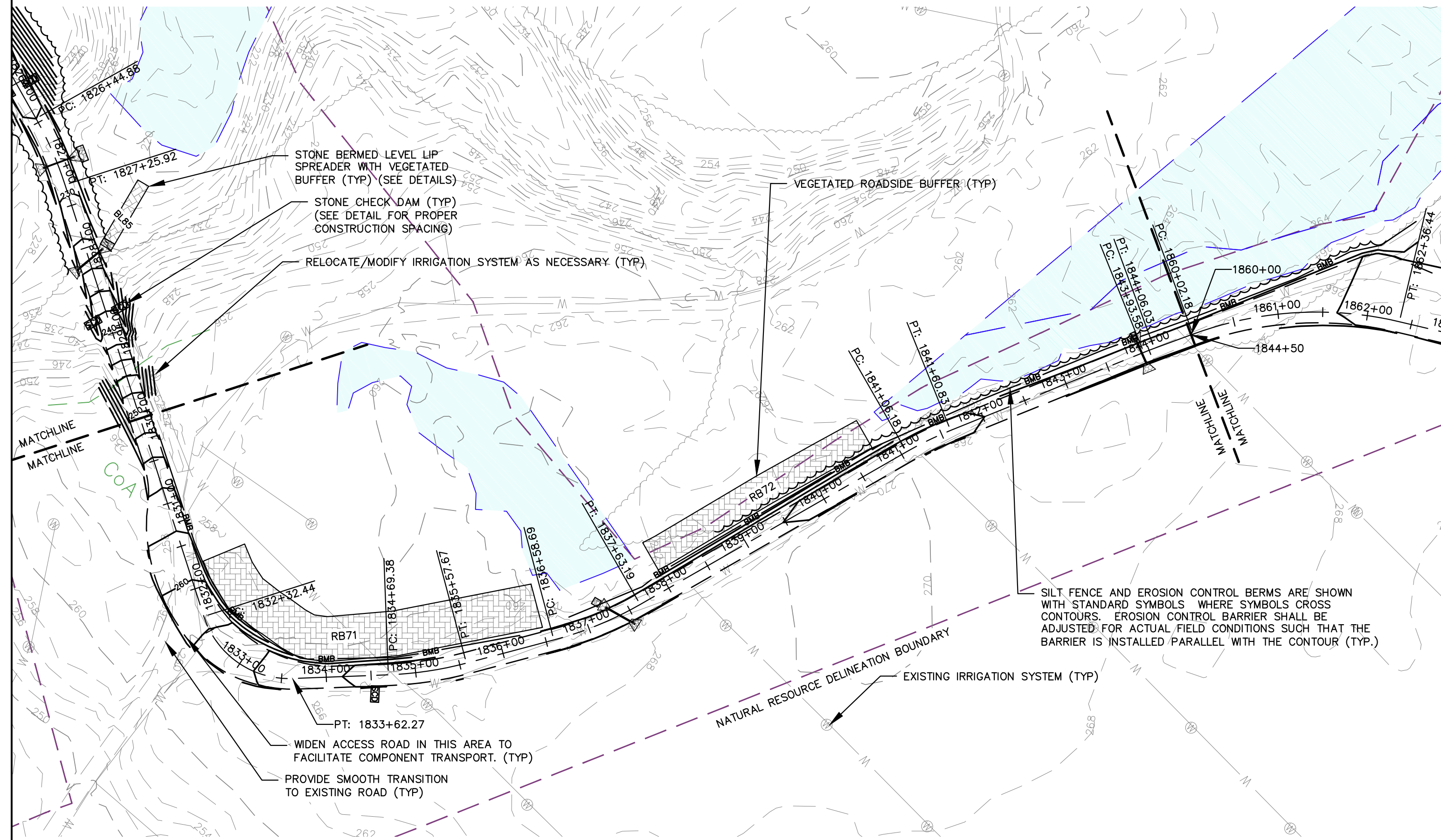
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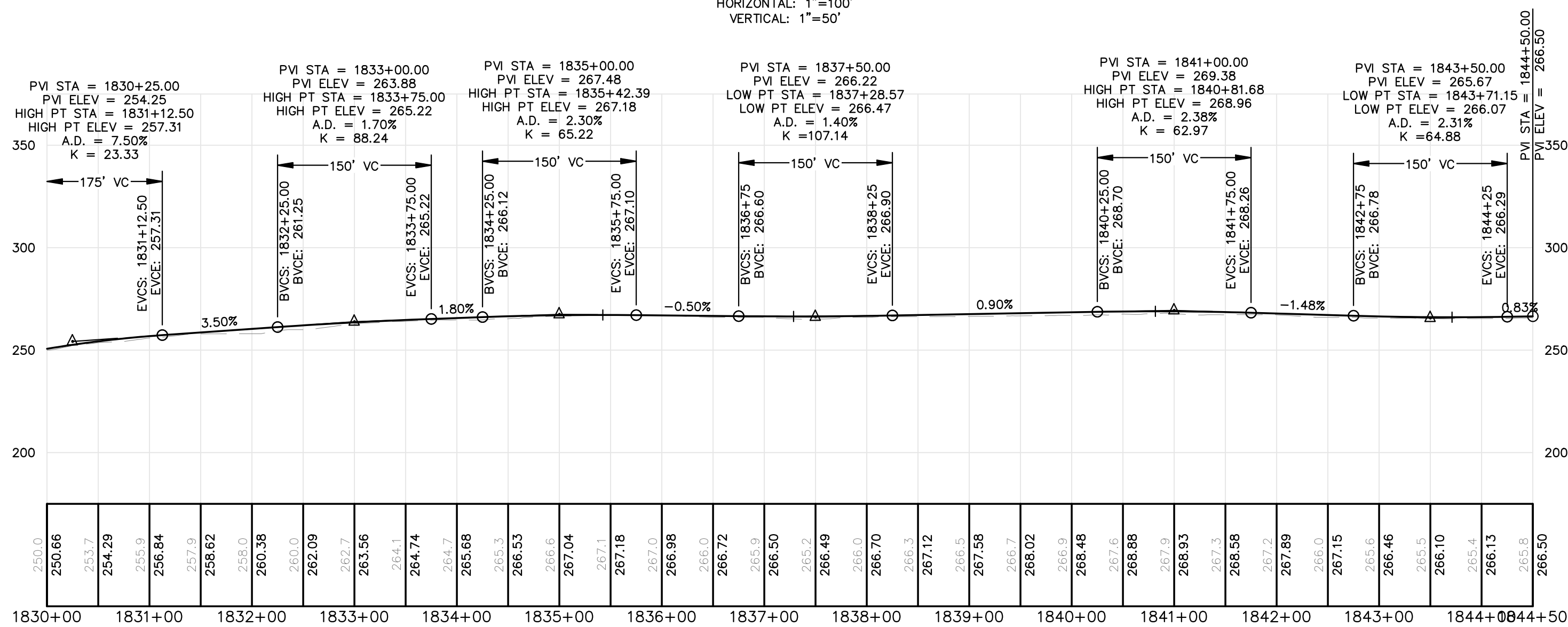
20.1

NOT FOR CONSTRUCTION



ACCESS ROAD 1800+00

1830+00.00 - 1844+50.00
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 VERTICAL: 1"=50'



DATUM ELEV
175.00

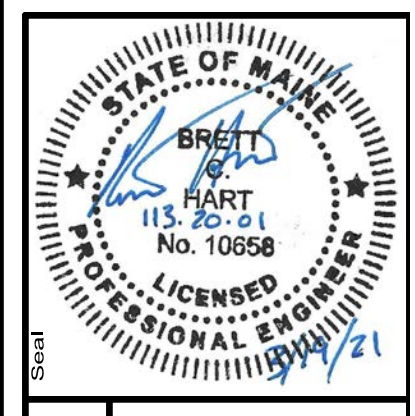
Rev.	Drawn By	Description	Date

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawn By: MITFB
 Designated By: BCH
 Date: 03/19/2021
 Scale:

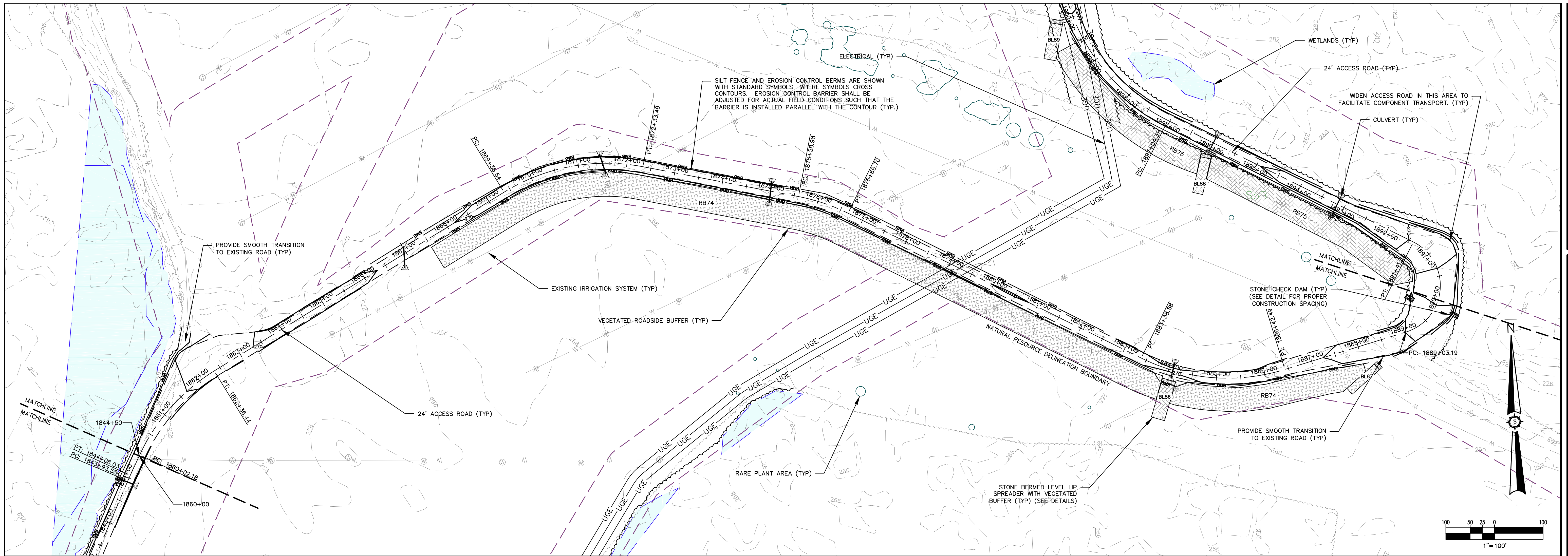
Approved: BCH
 Checked: JSM

PLAN AND PROFILE

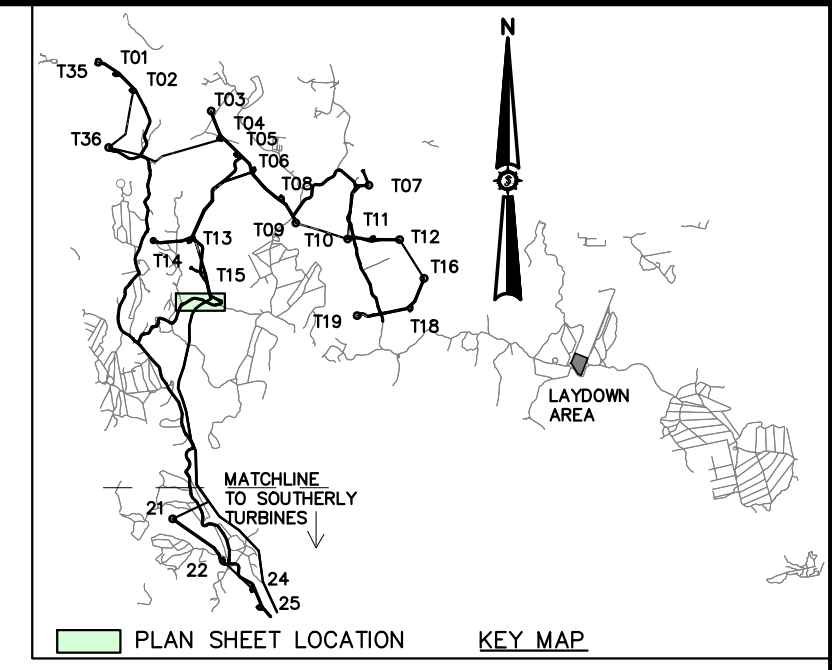
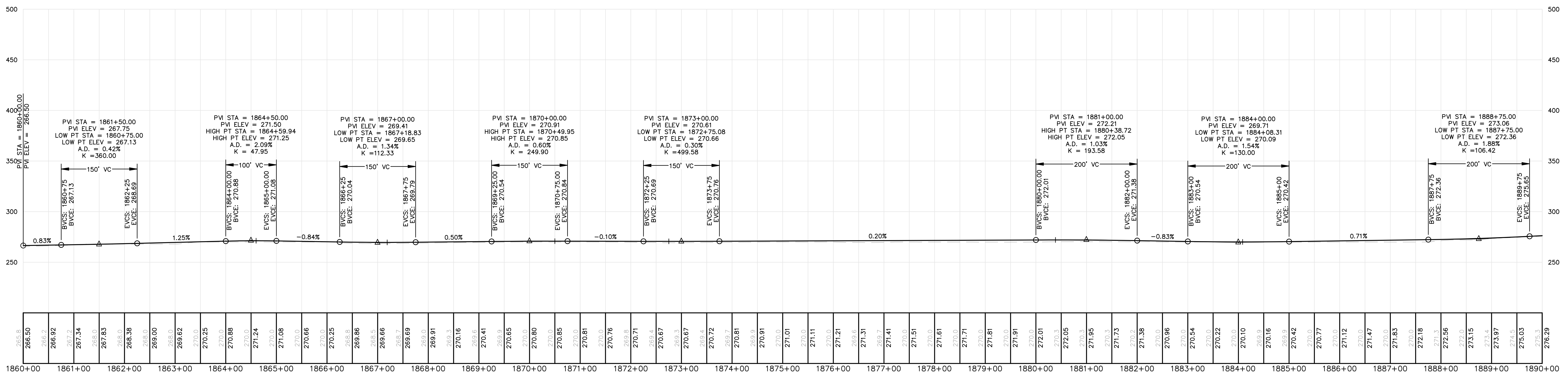


Project No.: 113.20.01
 Phase: SURVEYING
 Engineer: Sewal
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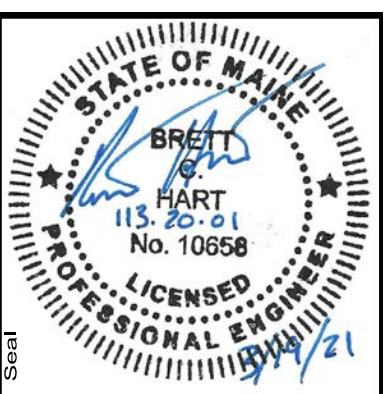
ACCESS ROAD 1860+00
 1860+00.00 - 1890+00.00
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Approved	BCH
Drawing Description	

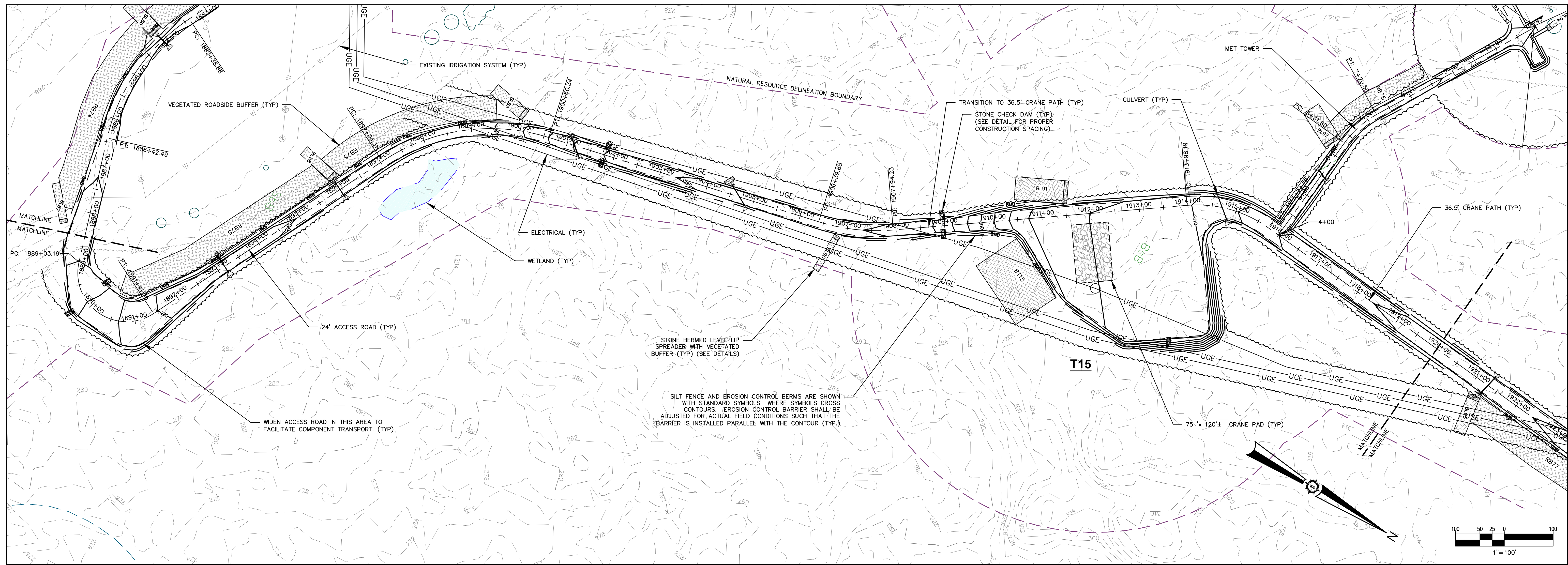
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Project Location

PLAN AND PROFILE

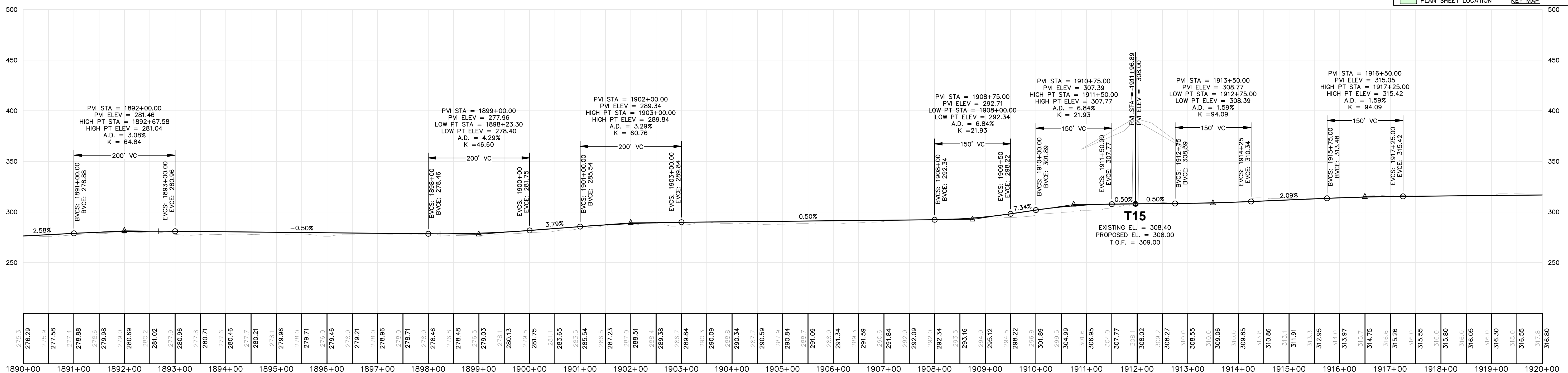


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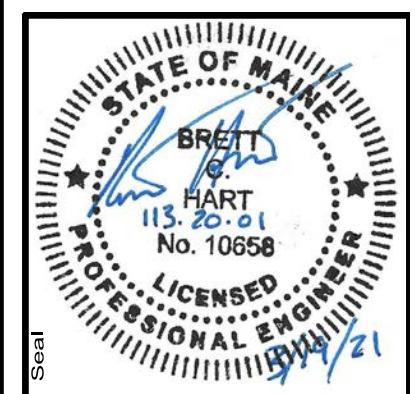
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CRANE PATH 1860+00
1890+00.00 — 1920+00.00
HORIZONTAL: 1"=100'
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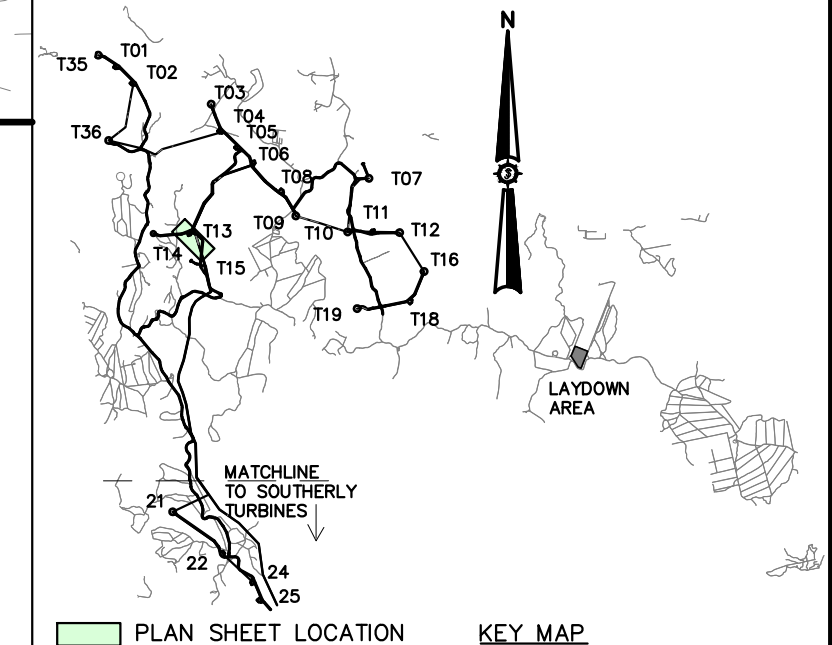
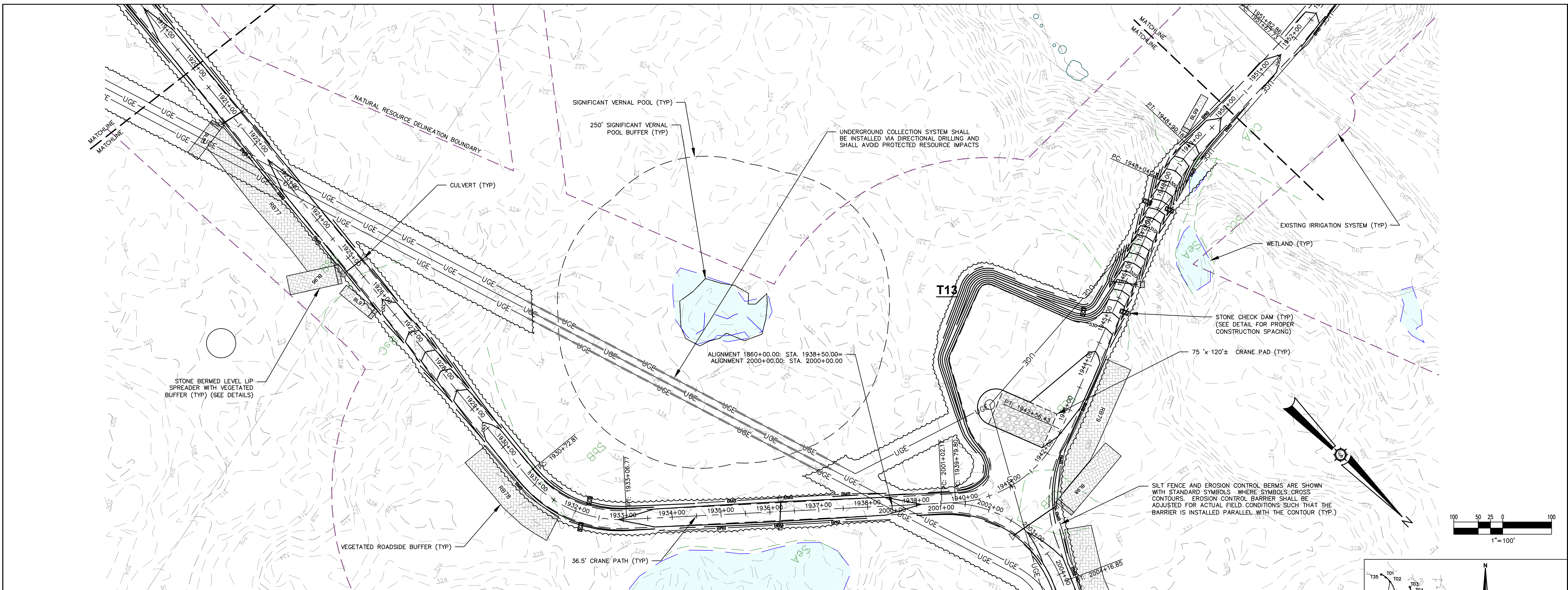
NOT FOR CONSTRUCTION

Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Scale	AS SHOWN
Date	03/19/2021

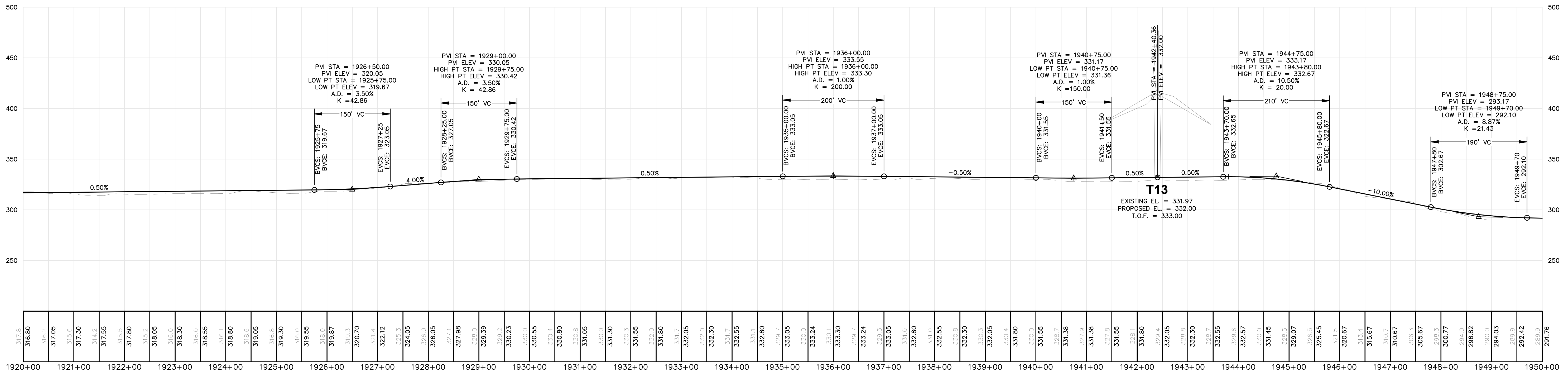
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINEProject Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINEDrawing Description: PLAN AND PROFILE



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CRANE PATH 1860+00
 1920+00.00 - 1950+00.00
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

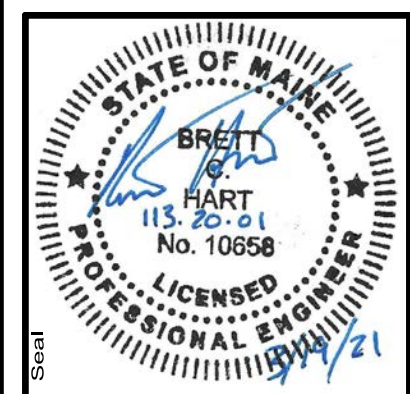


NOT FOR CONSTRUCTION

Drawn By	MTEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: PLAN AND PROFILE



113.20.01

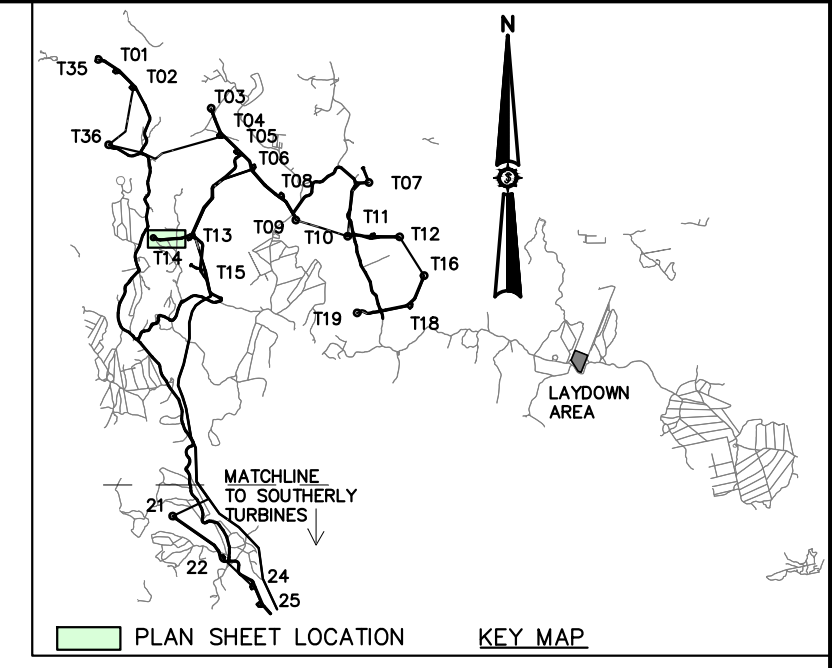
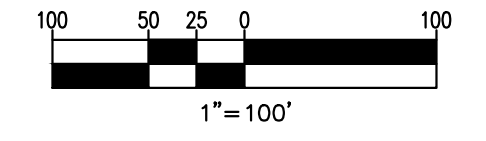
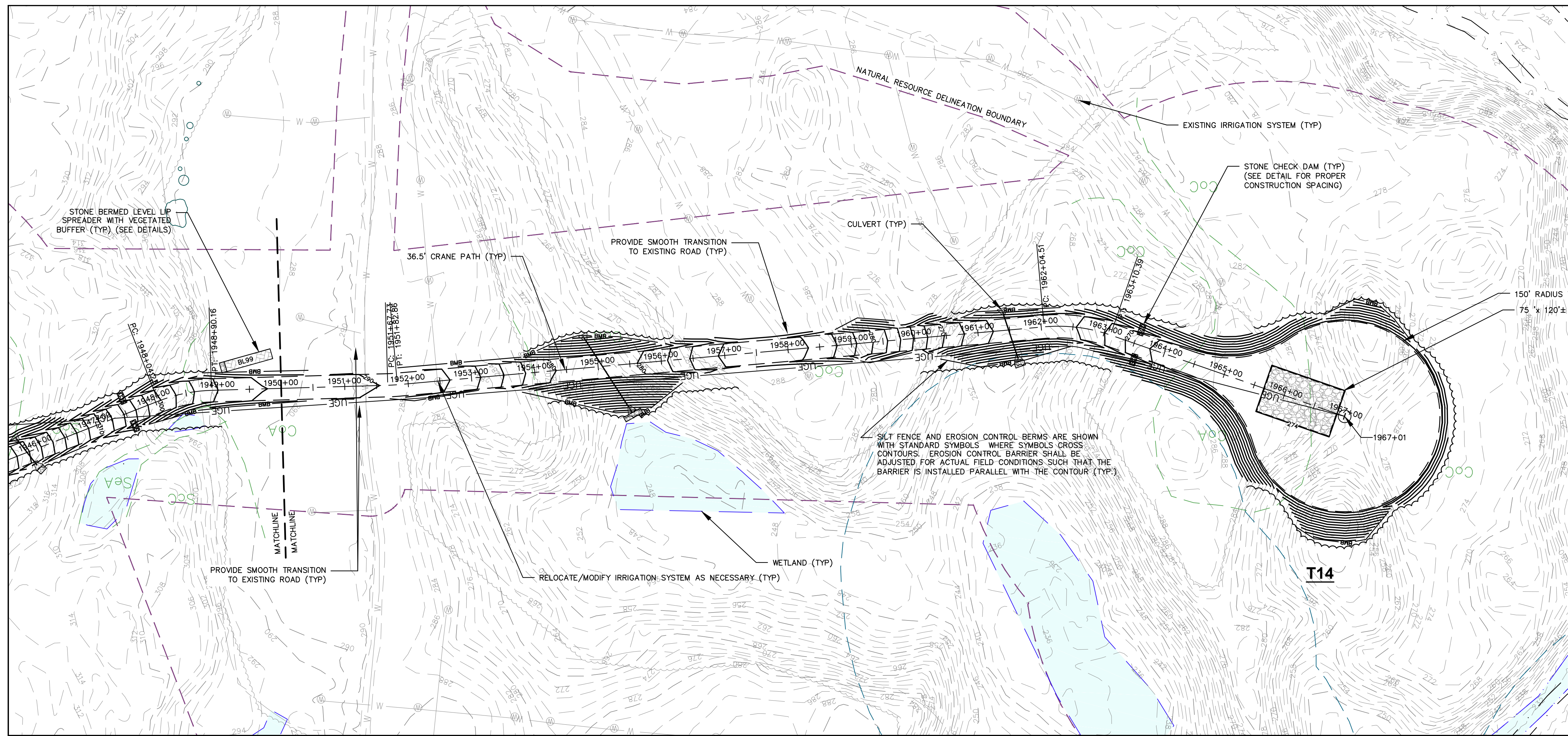
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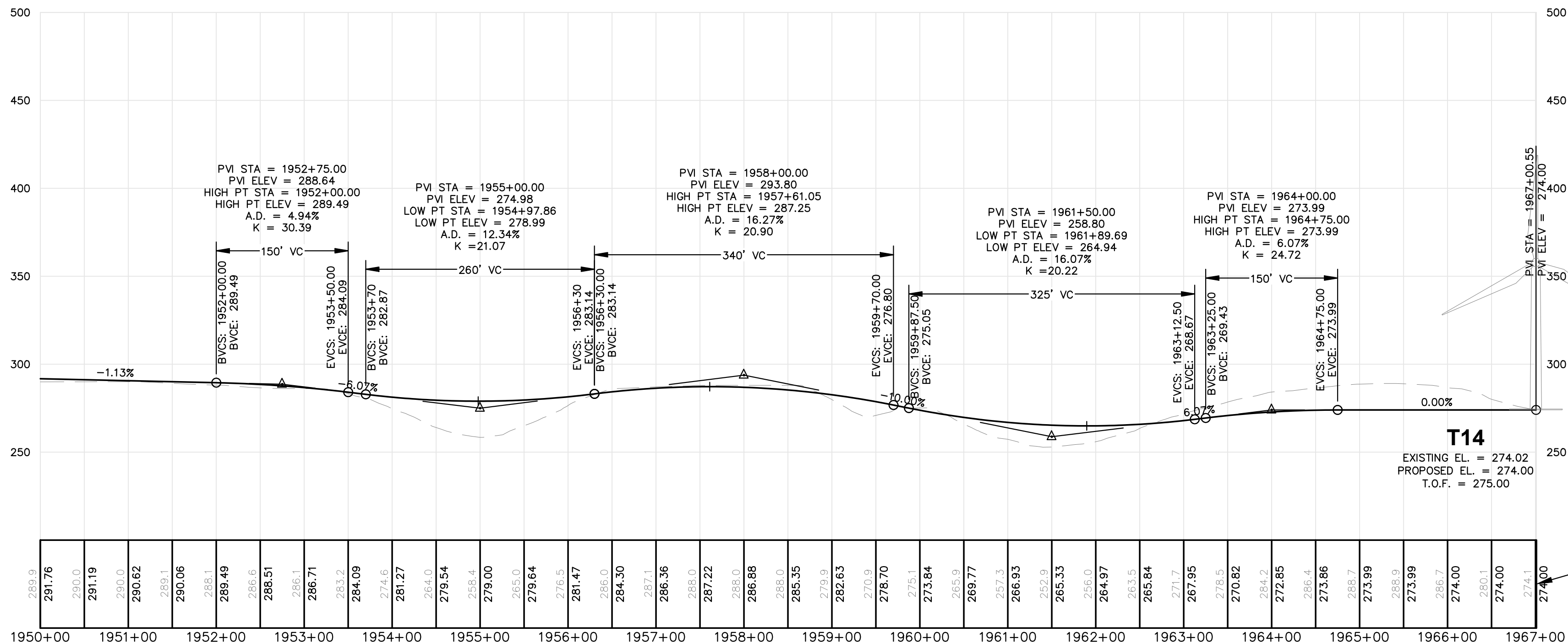
Phase: PERMIT

Sheet No.: 21.3



CRANE PATH 1860+00
 1950+00.00' - 1967+01.00'

HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



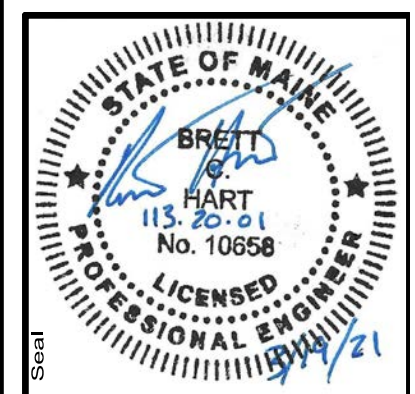
Rev. #	Drawn By	Description

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawn By: MITFB
 Checked: JSM

Approved: BCH

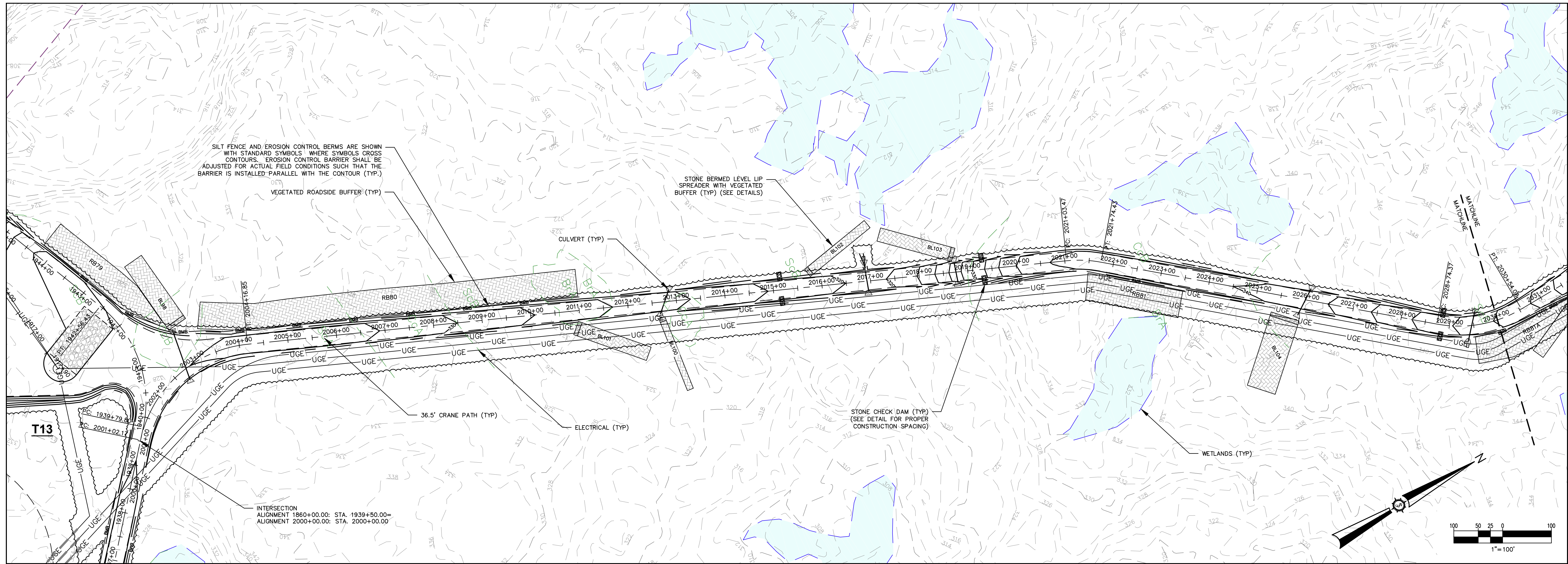
PLAN AND PROFILE



113.20.01

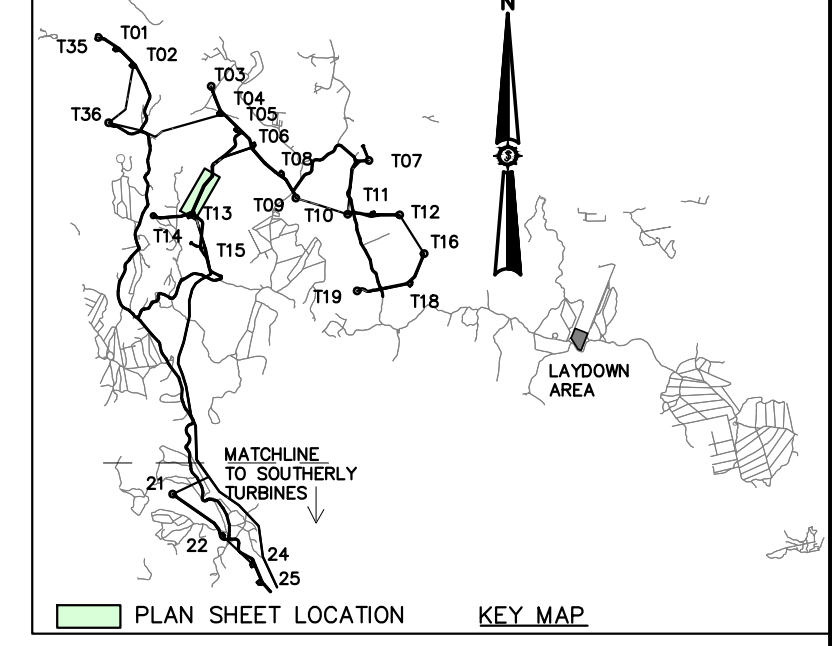
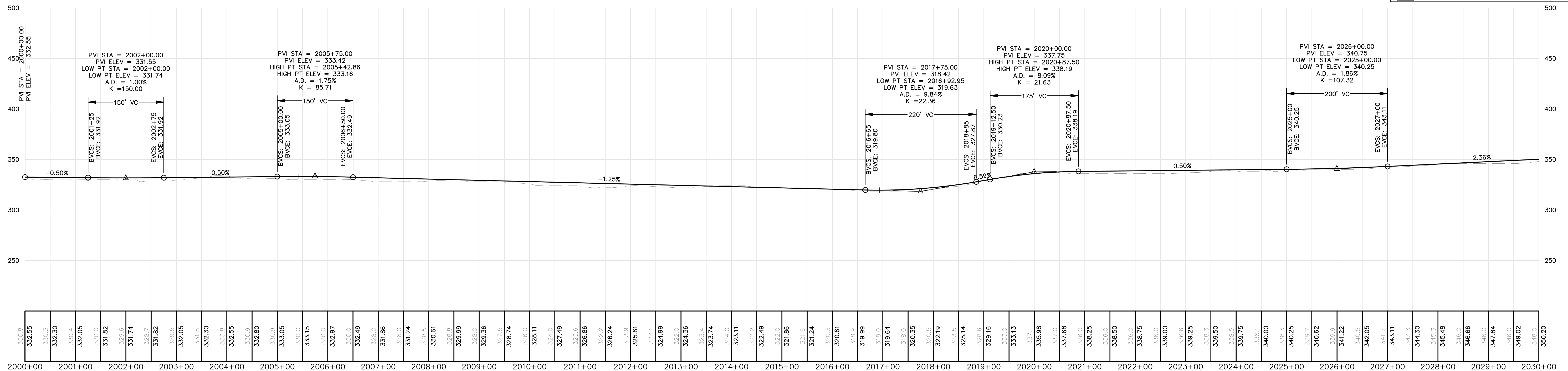
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CRANE PATH 2000+00
2000+00.00 - 2030+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Drawn By	MTEB
Checked By	JSM
Approved By	BCH
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Scale	AS SHOWN
Date	03/19/2021

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST NE, SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

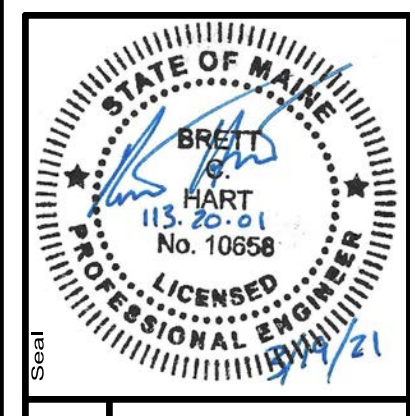
Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Scale: AS SHOWN

Approved: BCH

Checked: JSM

Drawing Description: **PLAN AND PROFILE**



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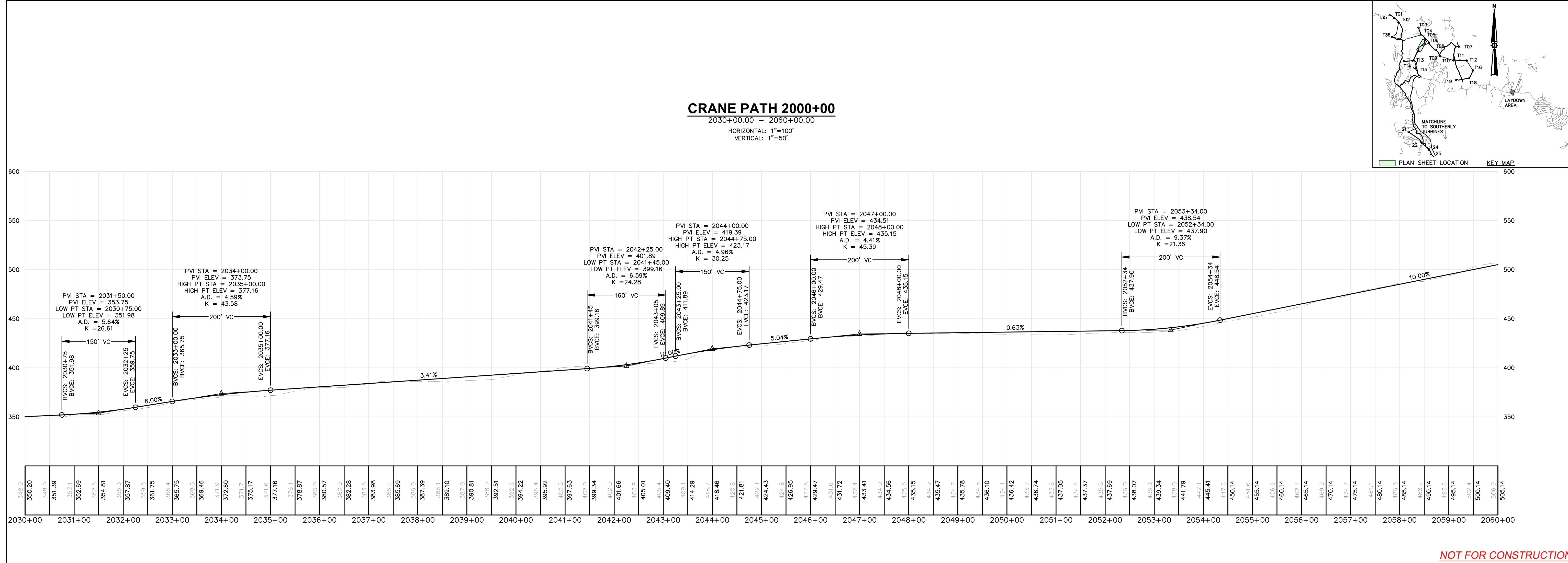
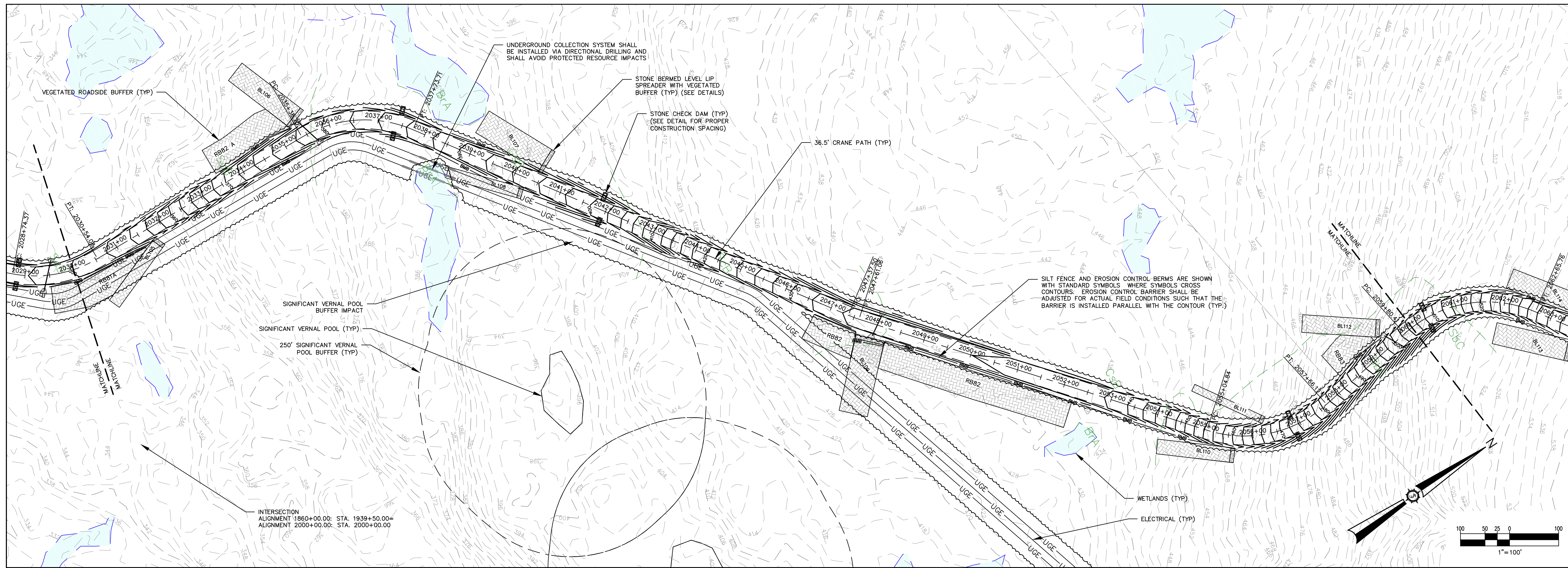
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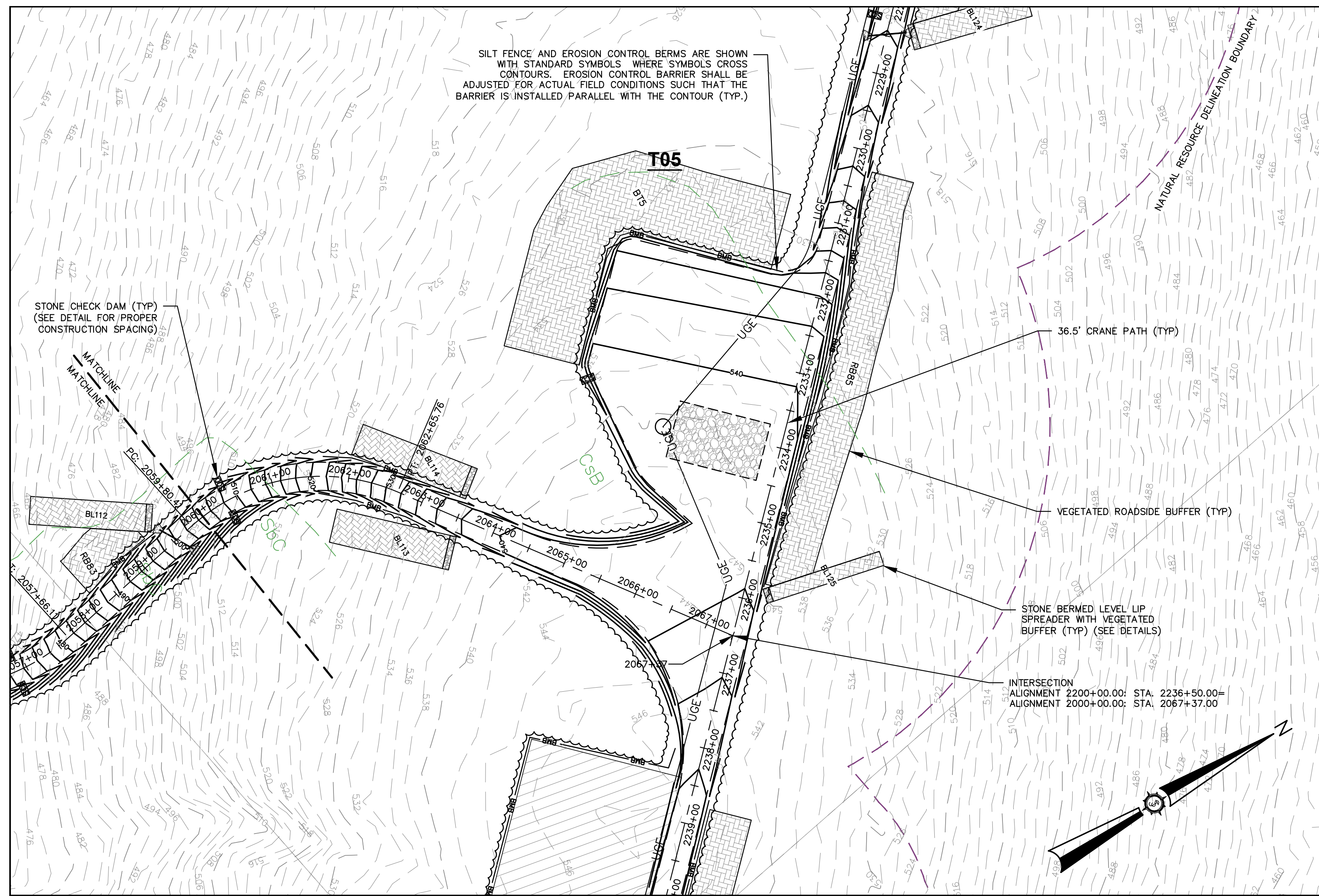
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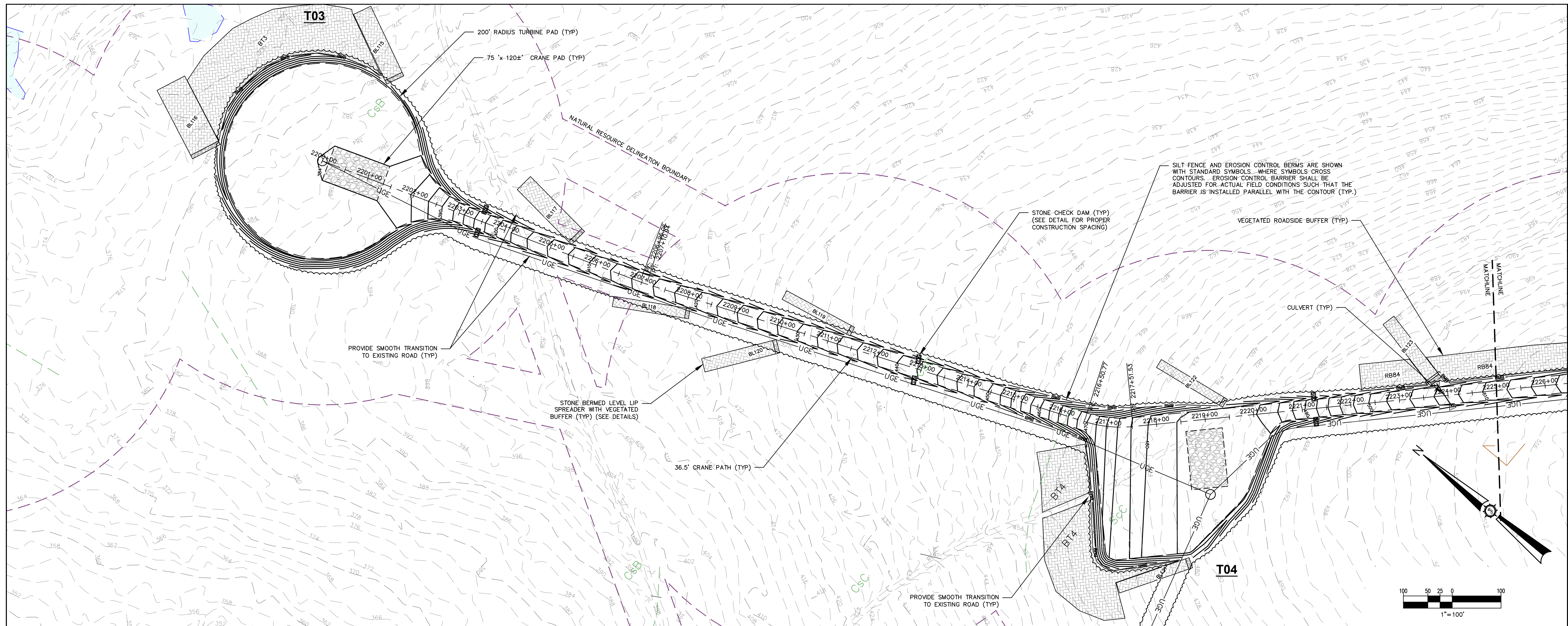
Phase: **PERMIT**

Sheet No.: **22.1**

NOT FOR CONSTRUCTION

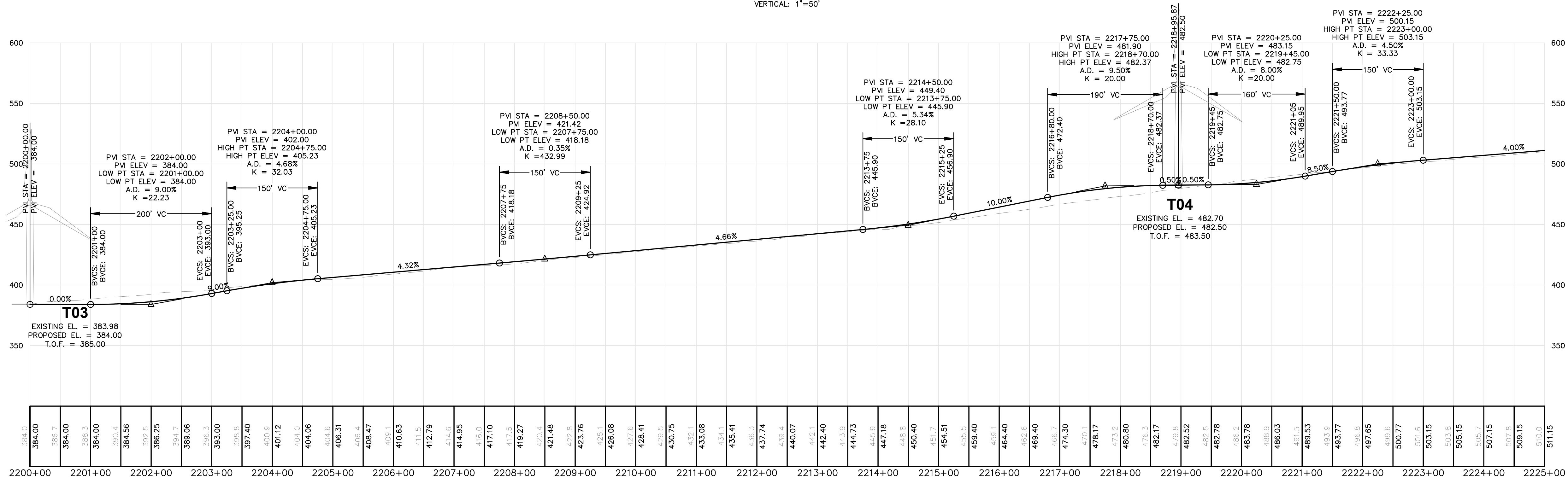


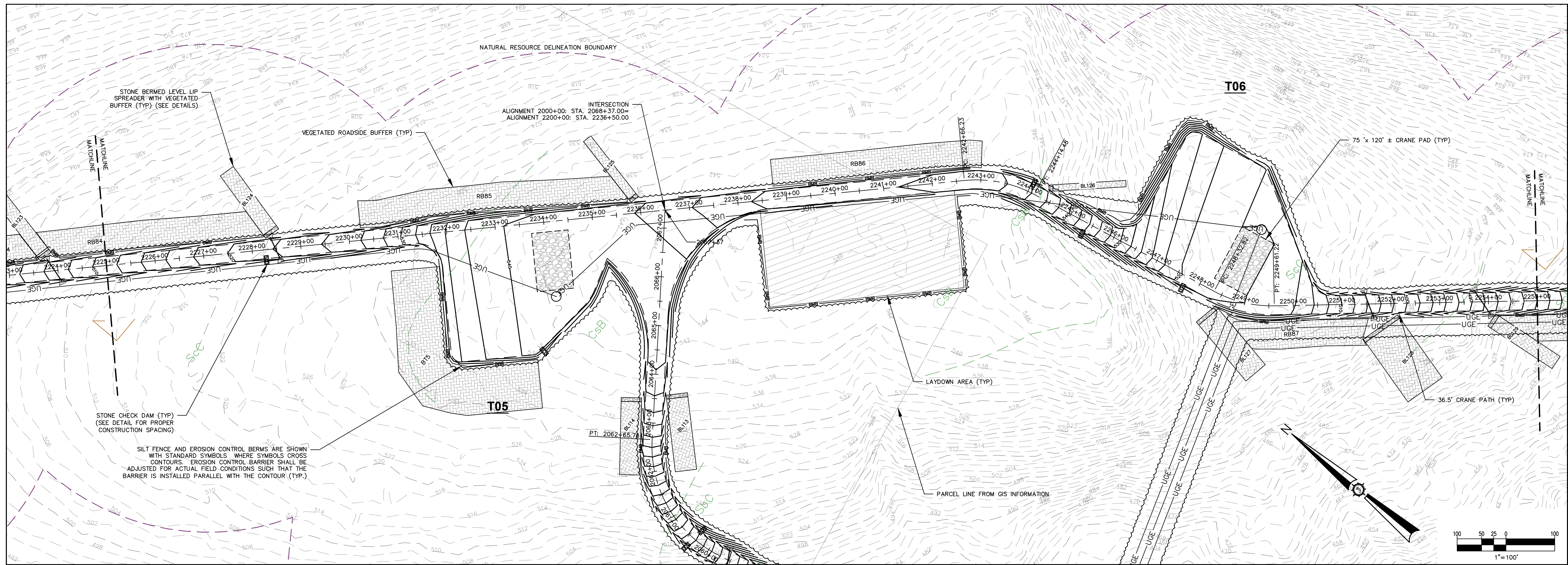




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2200+00.00 - 2225+00.00

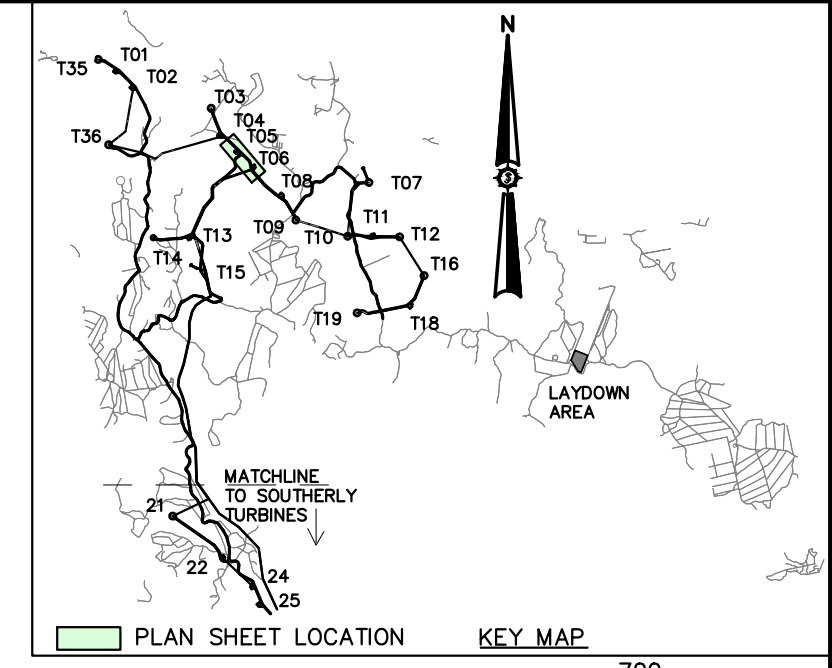
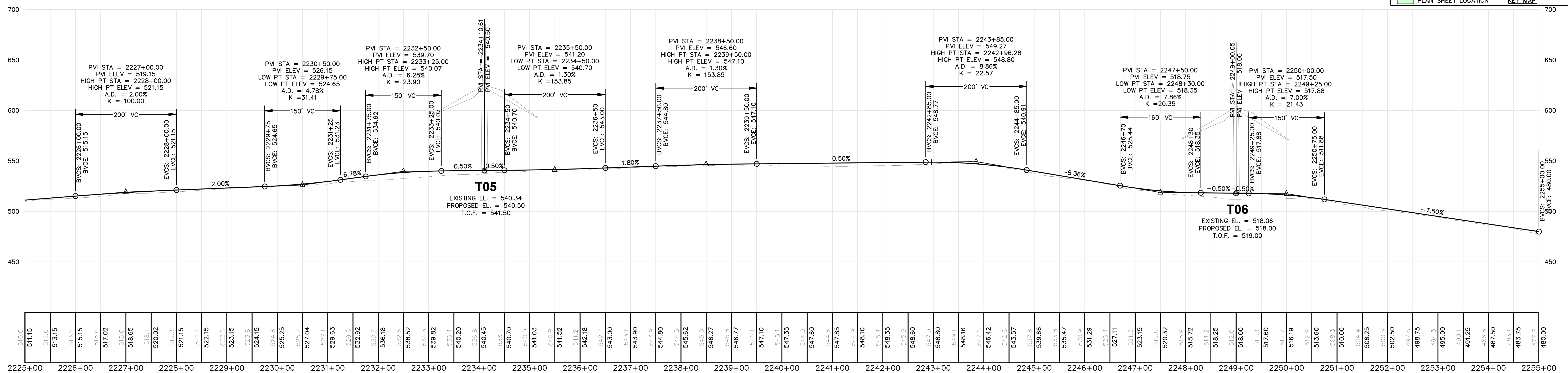
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VERTICAL: 1"=50'





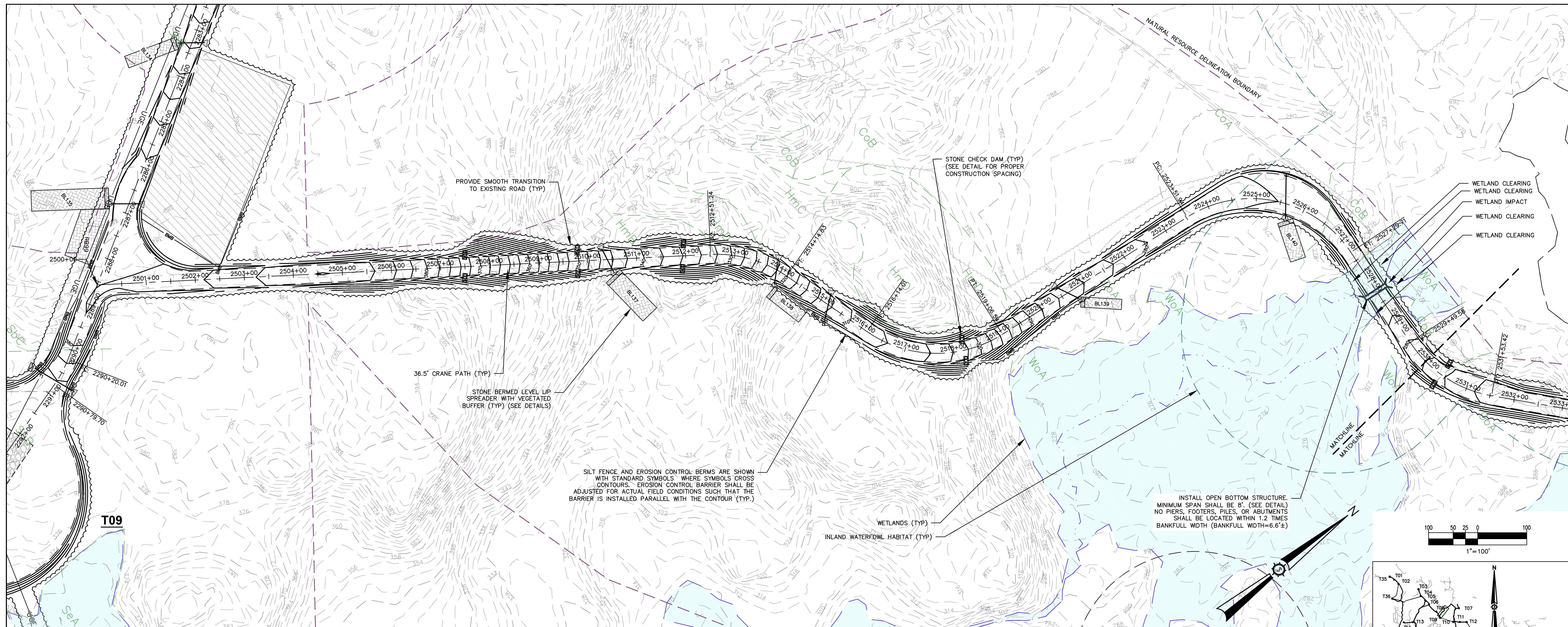
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2225+00.00 - 2255+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



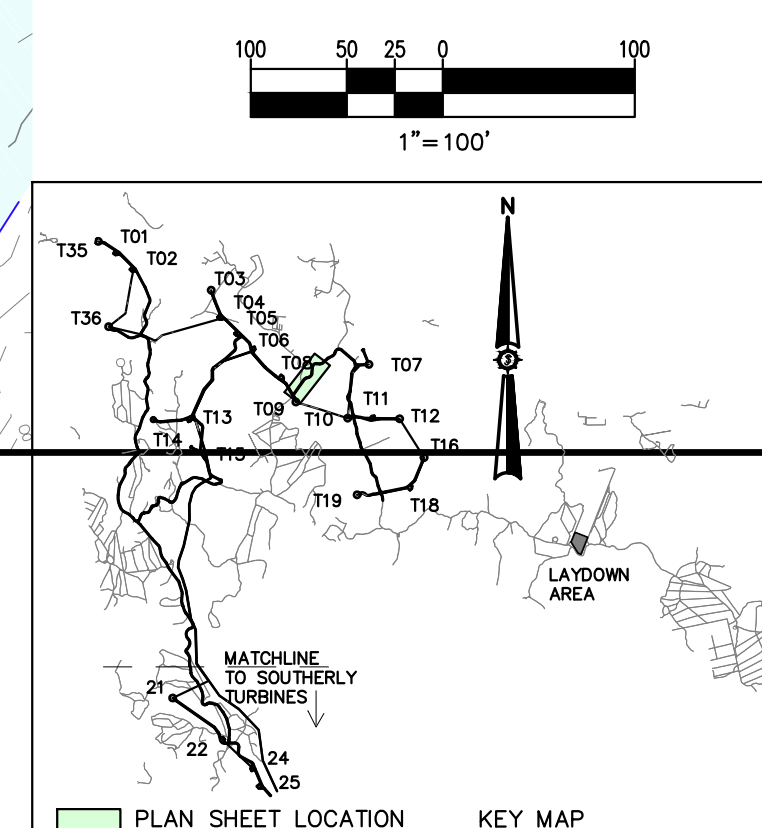
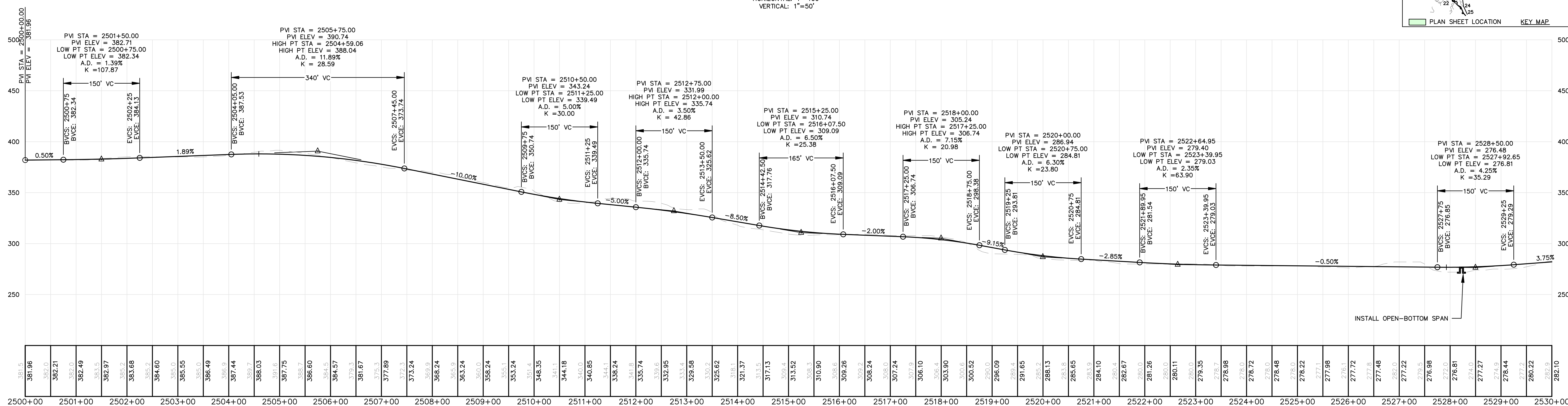
Project No.	113.20.01
Phase	PERMIT
Sheet No.	23.2
Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	As Shown
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE
Client	APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM
Address	310 4th ST N.E., SUITE 200 CHARLOTTESVILLE, VA
Professional Engineer	BRETT BART No. 10858
Professional Surveyor	1800 648 4202
Company	Sewal Engineering www.sewal.com

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CRANE PATH 2500+00
2500+00.00 - 2530+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



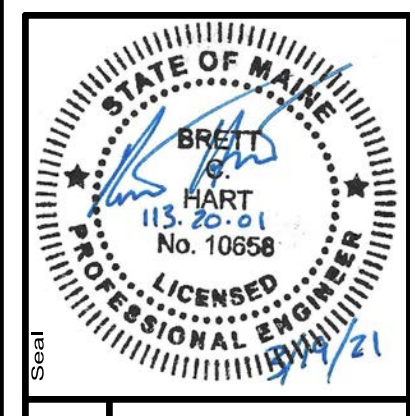
Drawn By	MIFEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Approved: BCH
Checked: JSM

Drawing Description: **PLAN AND PROFILE**

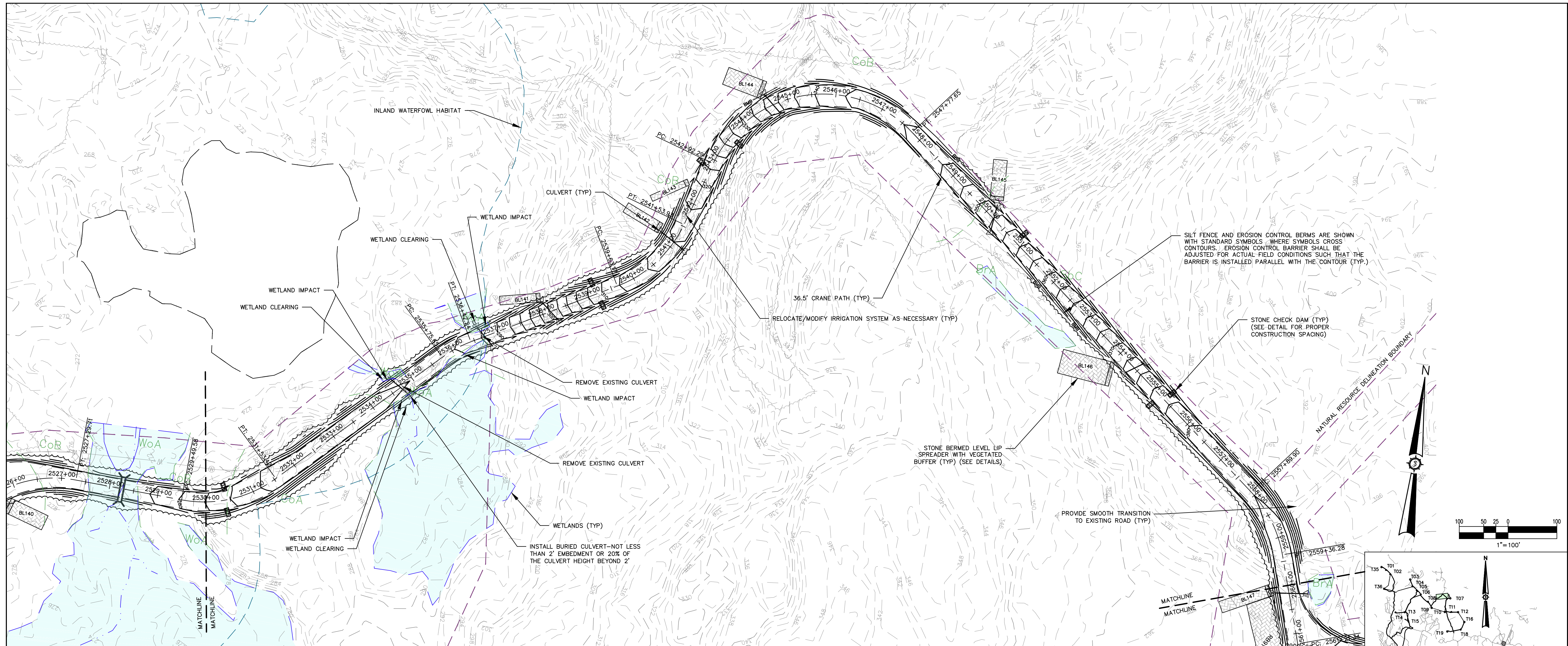


113.20.01

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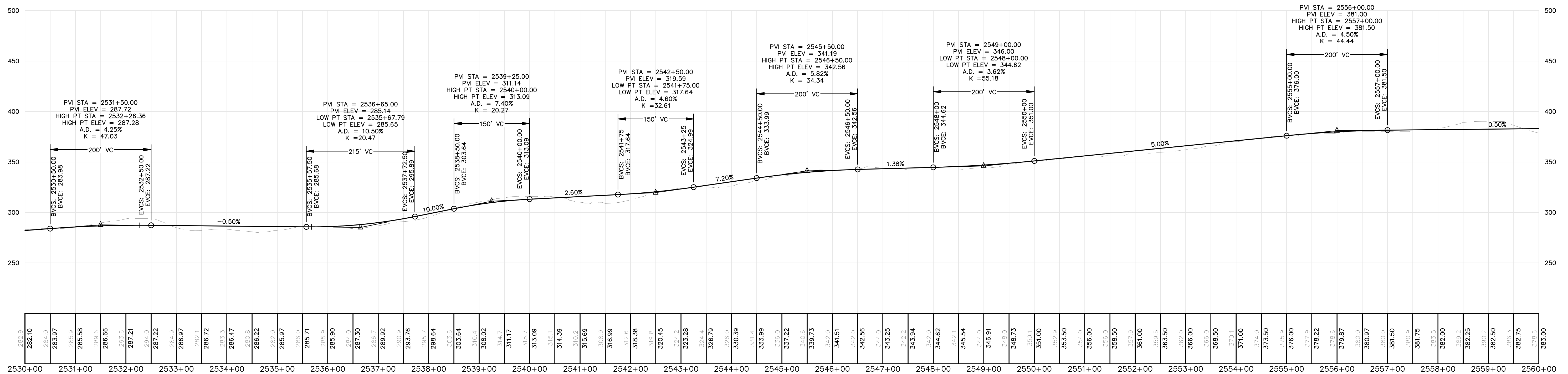
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CRANE PATH 2500+00
2530+00.00 — 2560+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

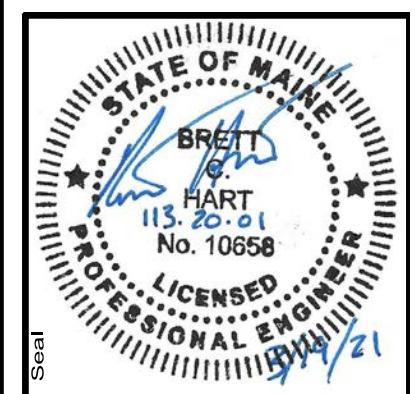


Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Approved	BCH

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: **PLAN AND PROFILE**



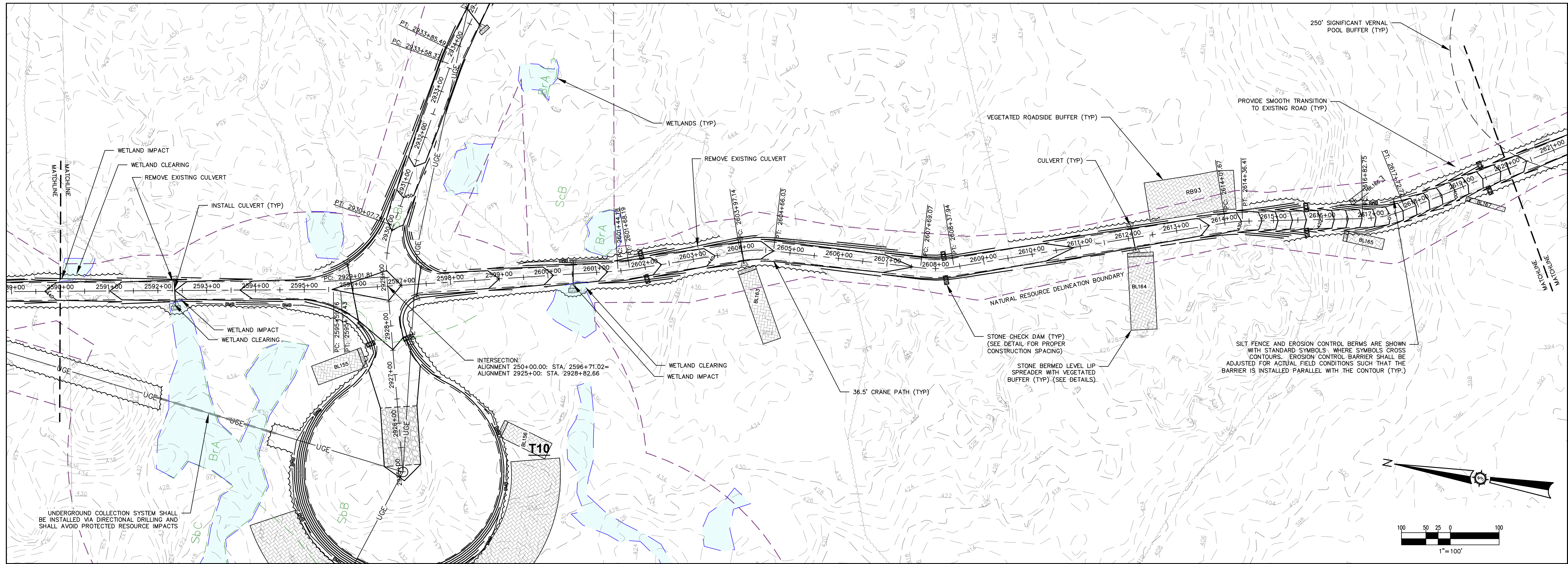
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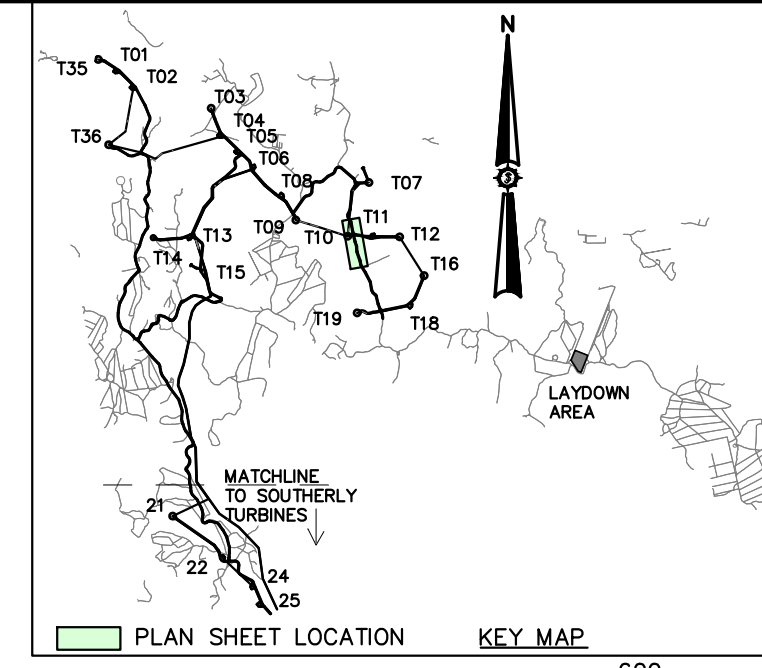
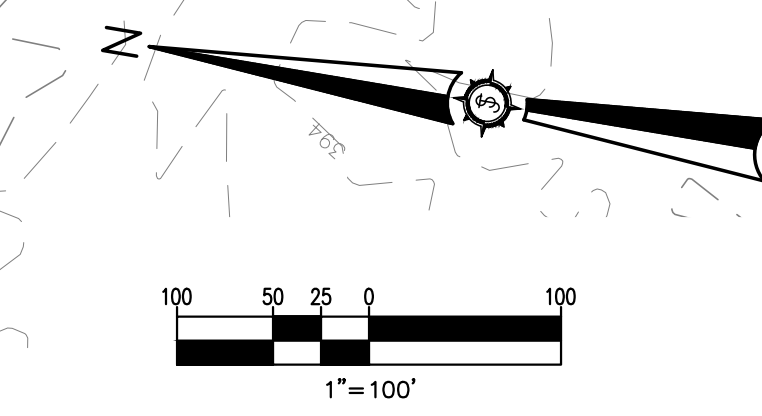
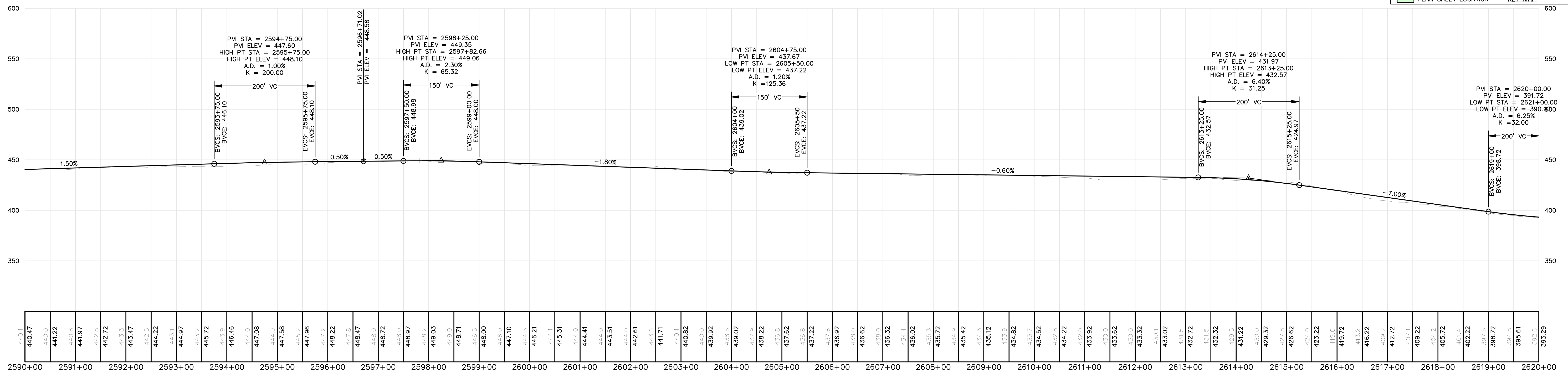
113.20.01
Brett Hart
Professional Engineer
License No. 10858

NOT FOR CONSTRUCTION



CRANE PATH 2500+00
2590+00.00 - 2620+00.00

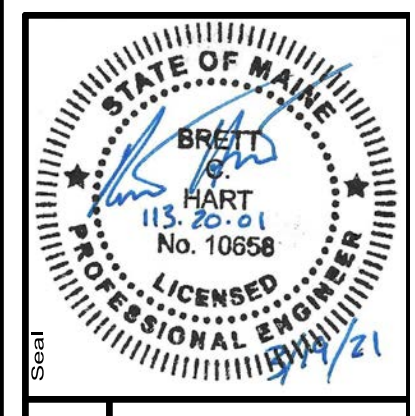
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VERTICAL: 1"=50'



Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Class	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST NE, SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description: PLAN AND PROFILE



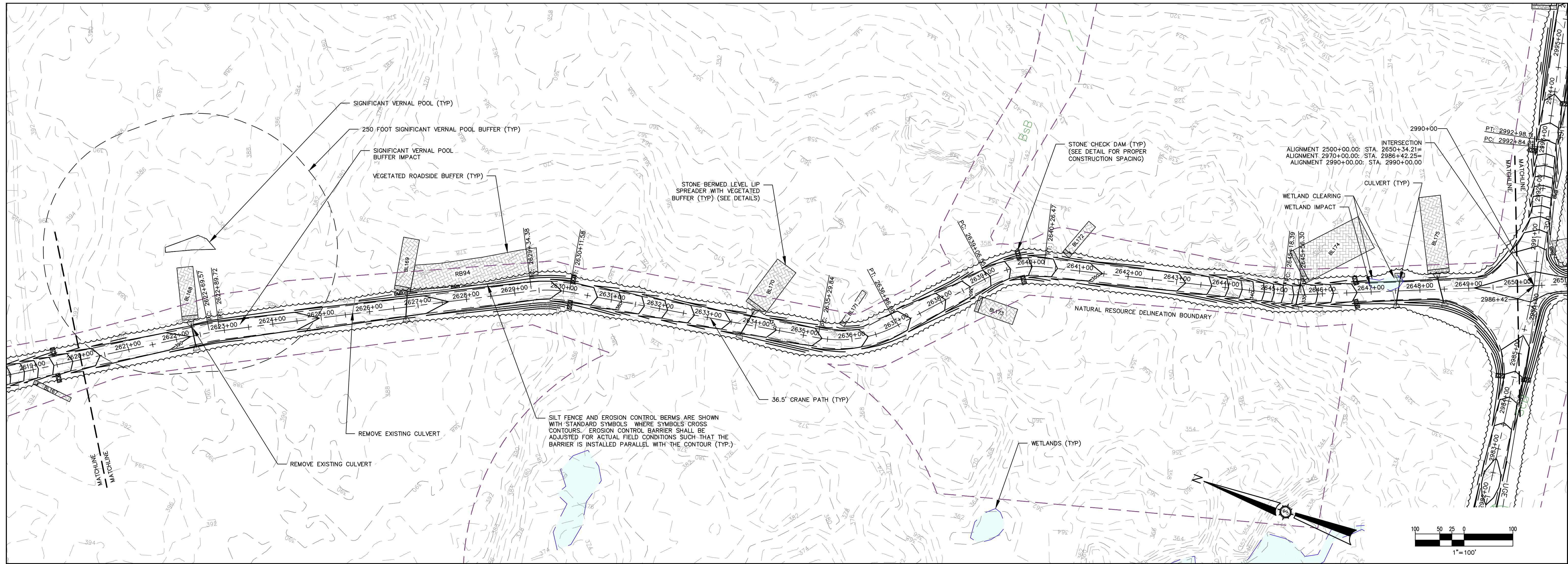
113.20.01

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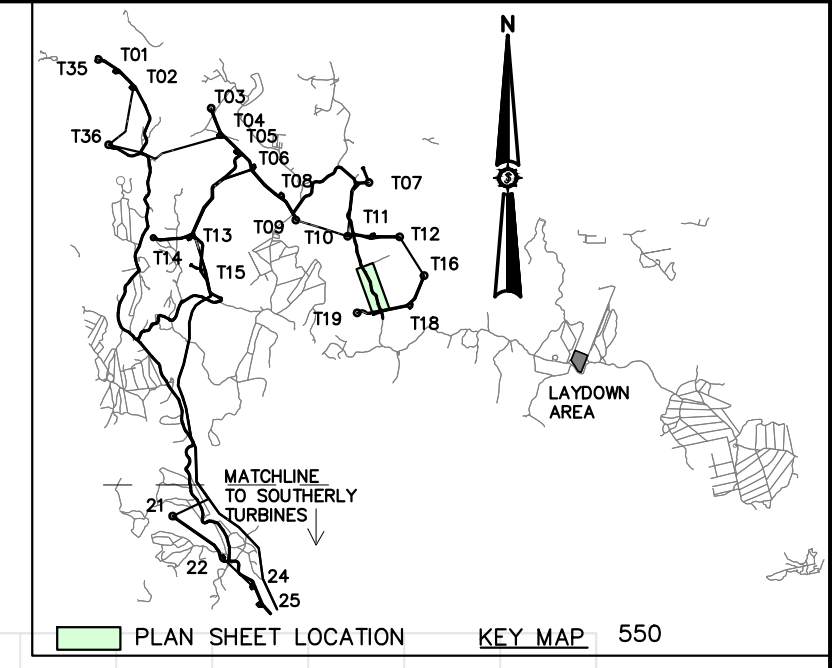
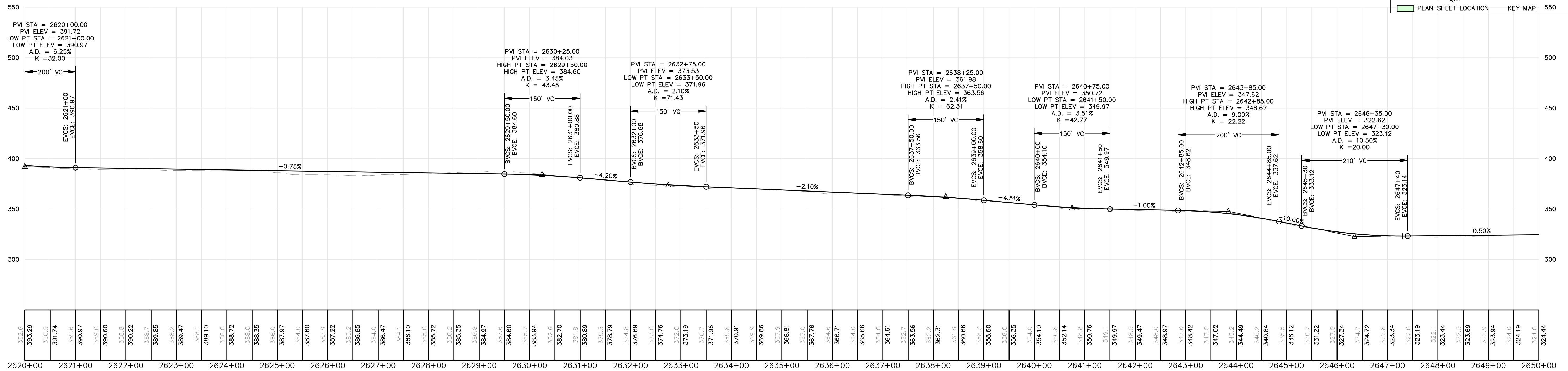
NOT FOR CONSTRUCTION



CRANE PATH 2500+00

2620+00.00 - 2650+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

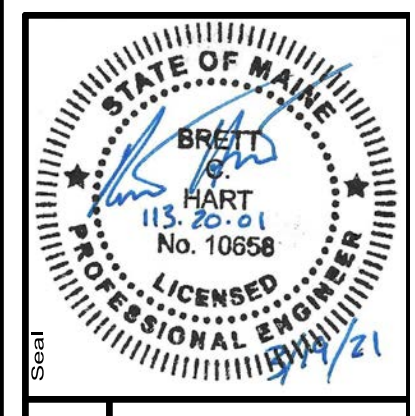


Drawn By	MTEFB
Checked By	JSM
Approved By	BCH
Designated By	BCH
Date	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
PLAN AND PROFILE



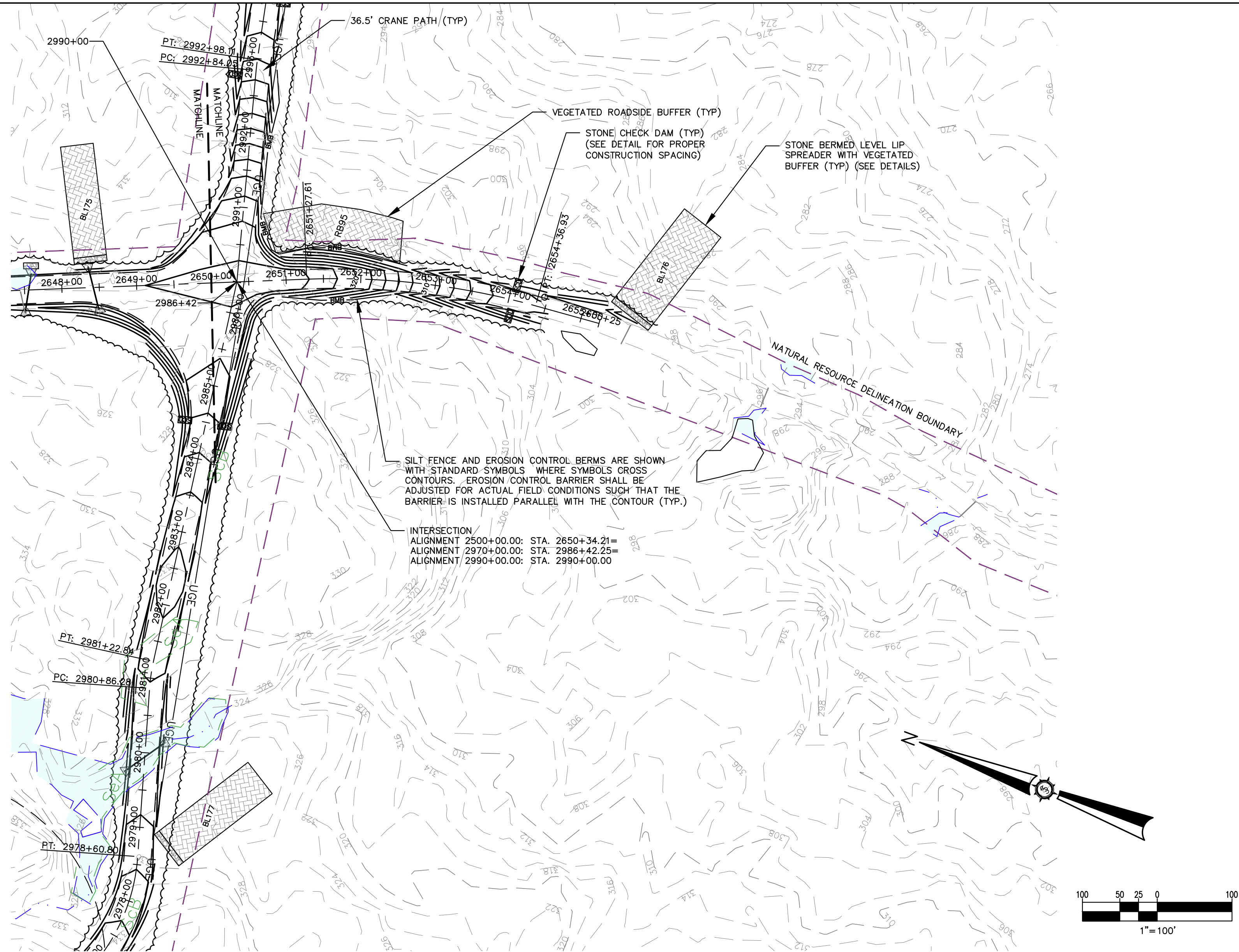
113.20.01

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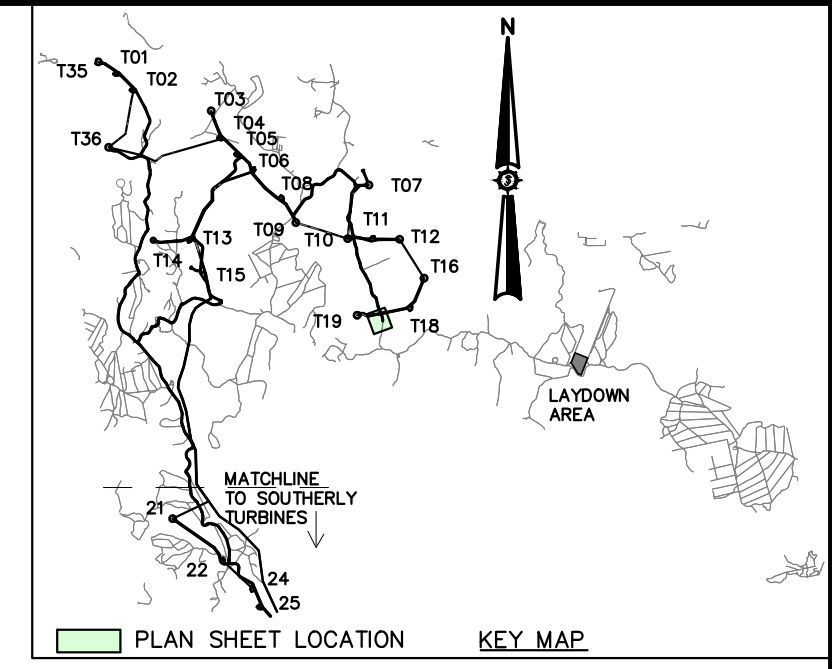
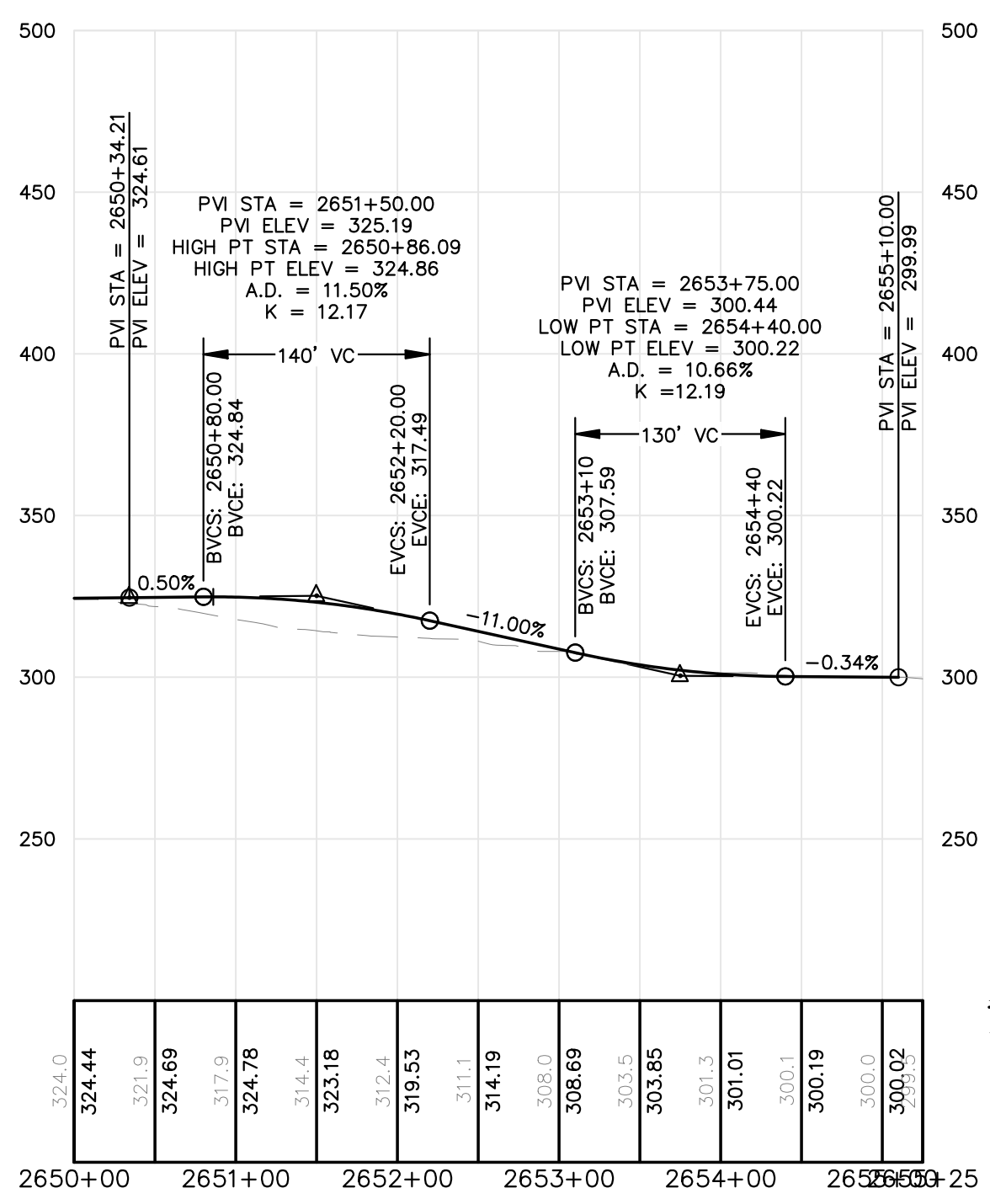
Sheet No.
24.5

NOT FOR CONSTRUCTION



CRANE PATH 2500+00
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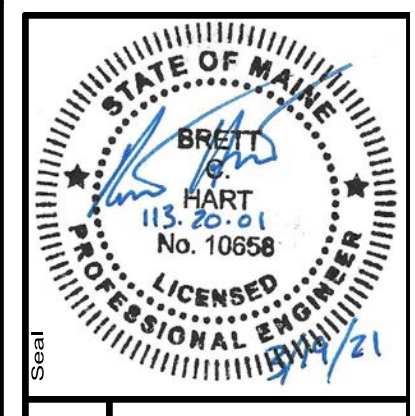
HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Date	
Drawn By	MITFB
Checkd By	JSM
Apprvd By	BCH
Scale	AS SHOWN
Sheet No.	24.6
Project No.	113.20.01
Project Name	APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

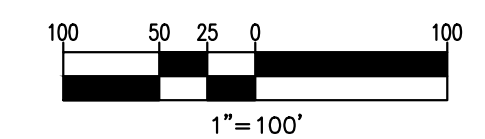
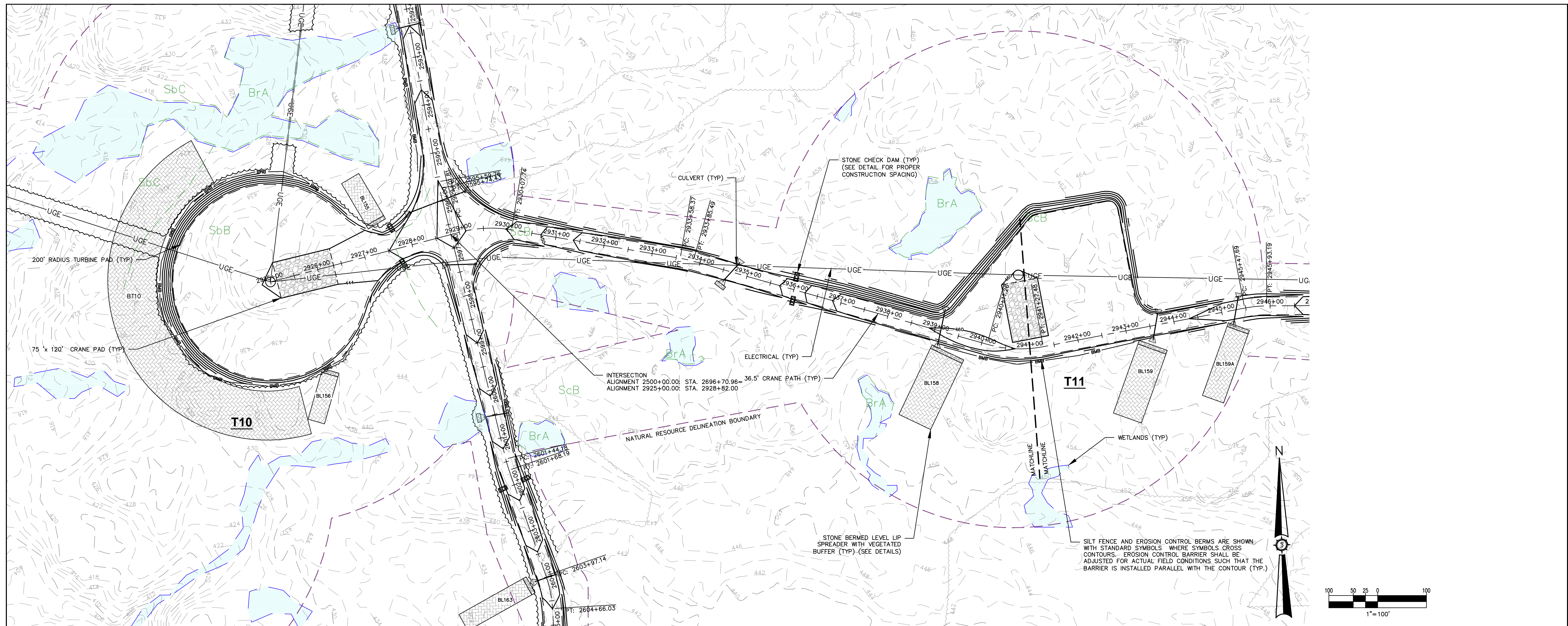
Drawn By: MITFB
Checkd By: JSM
Apprvd By: BCH
Scale: AS SHOWN
Sheet No.: 24.6
Project No.: 113.20.01
Project Name: APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM
Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Description: PLAN AND PROFILE



Project No.: 113.20.01
Phase: PERMIT
Sheet No.: 24.6

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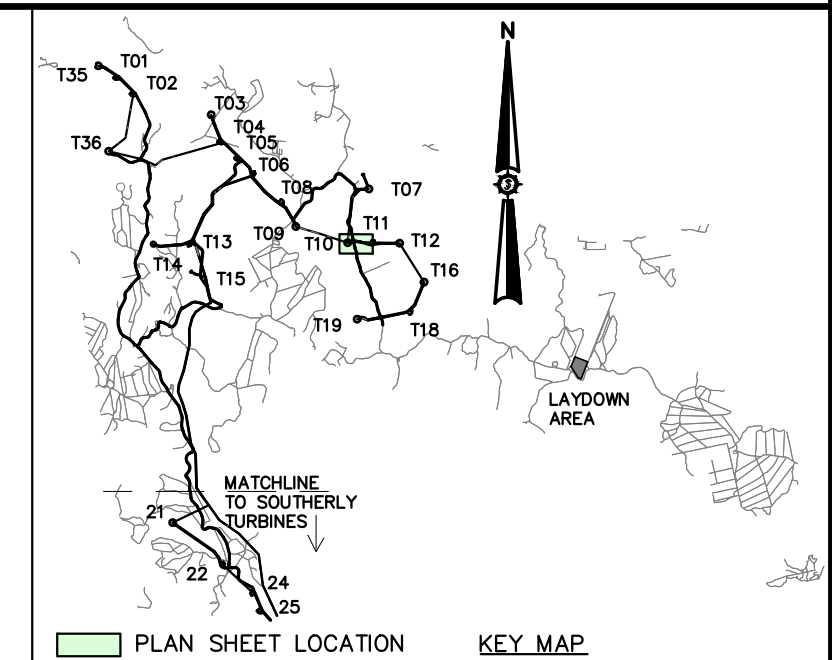
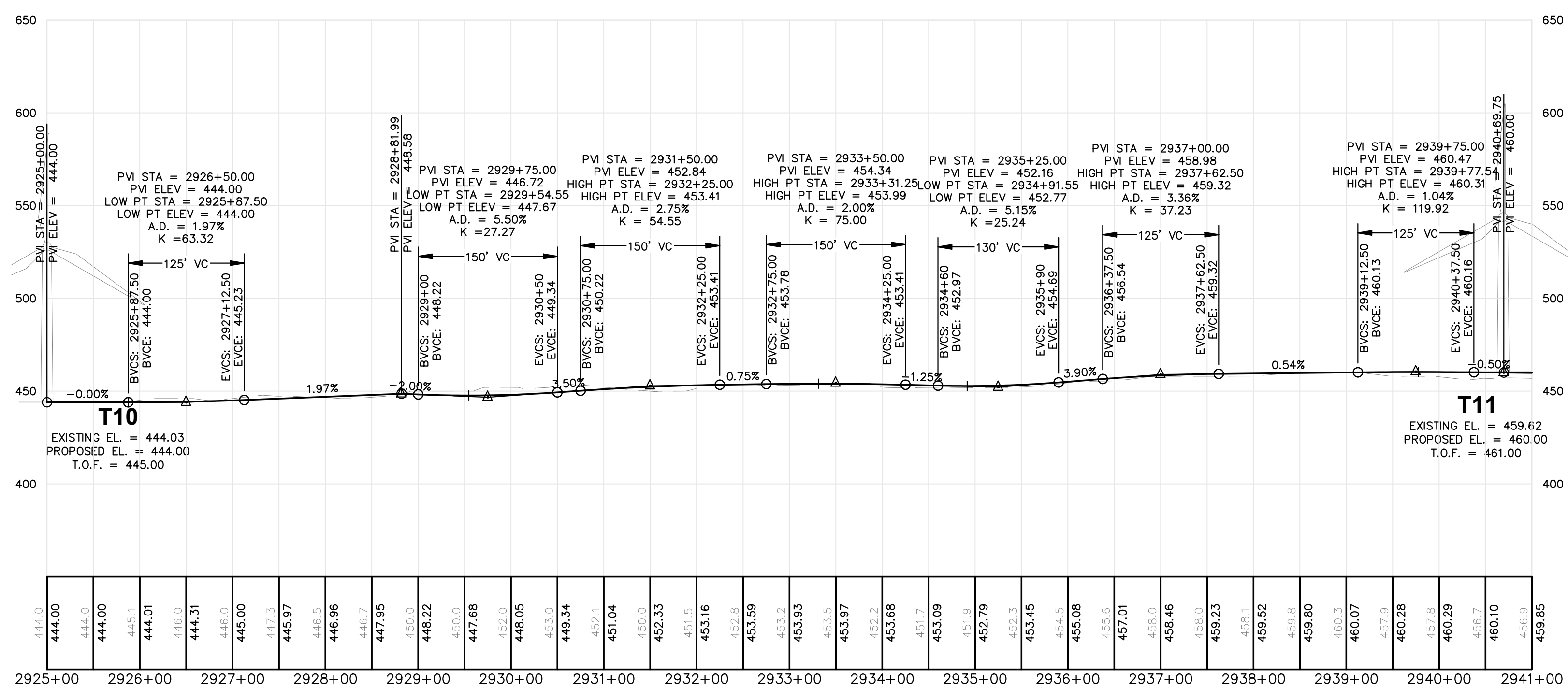
NOT FOR CONSTRUCTION



CRANE PATH 2925+00

2925+00.00 - 2941+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



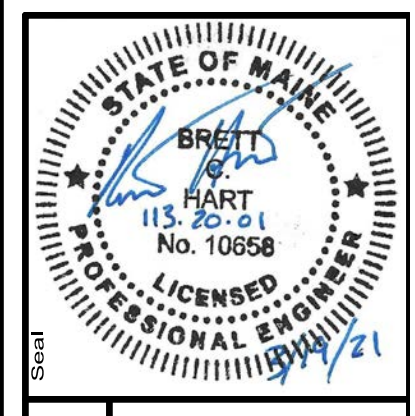
Drawn By	MIFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Approved: BCH
 Checked: JSM

PLAN AND PROFILE



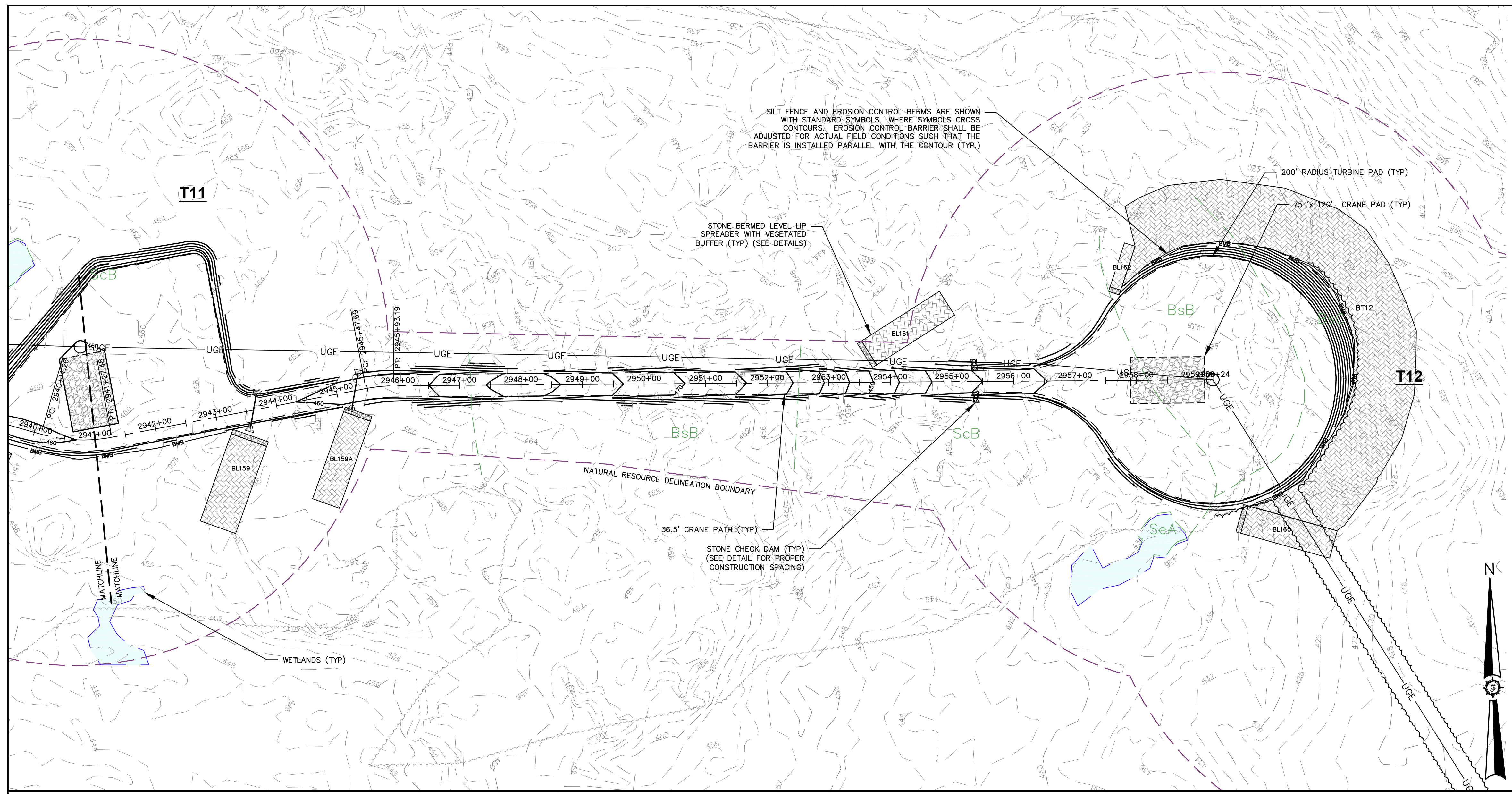
113.20.01

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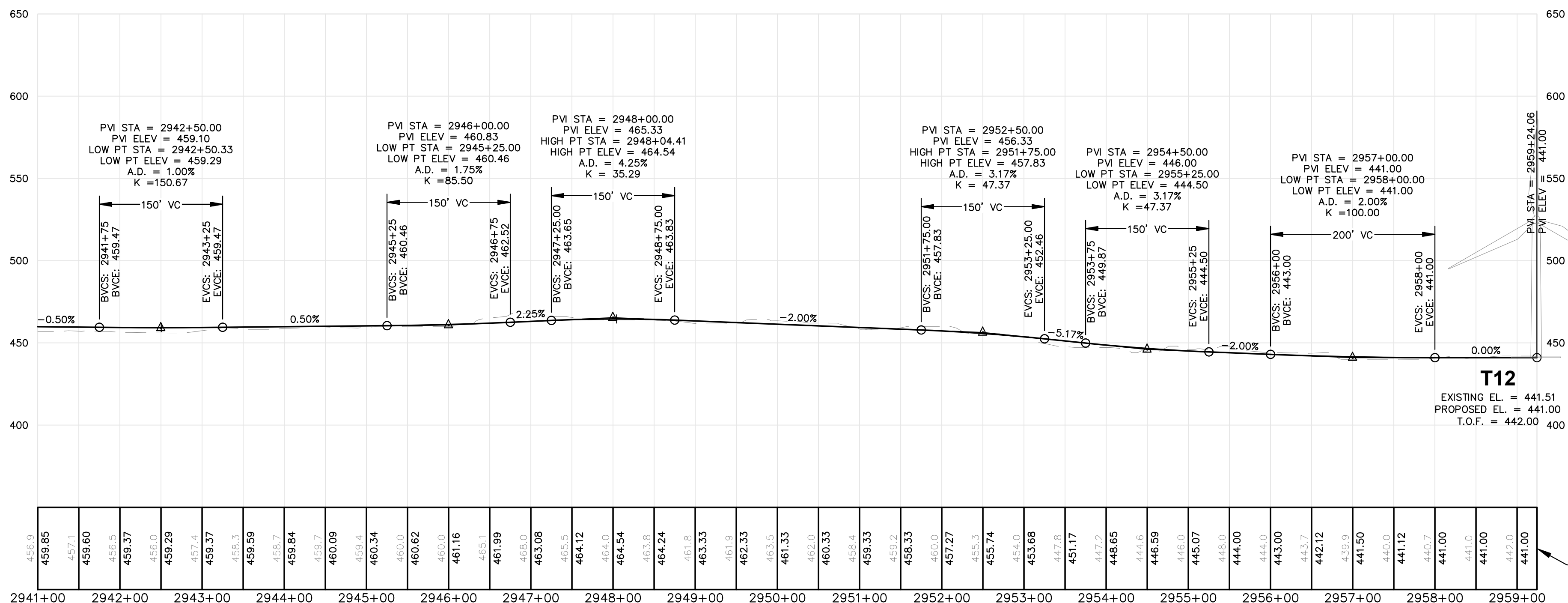
Phase: **PERMIT**

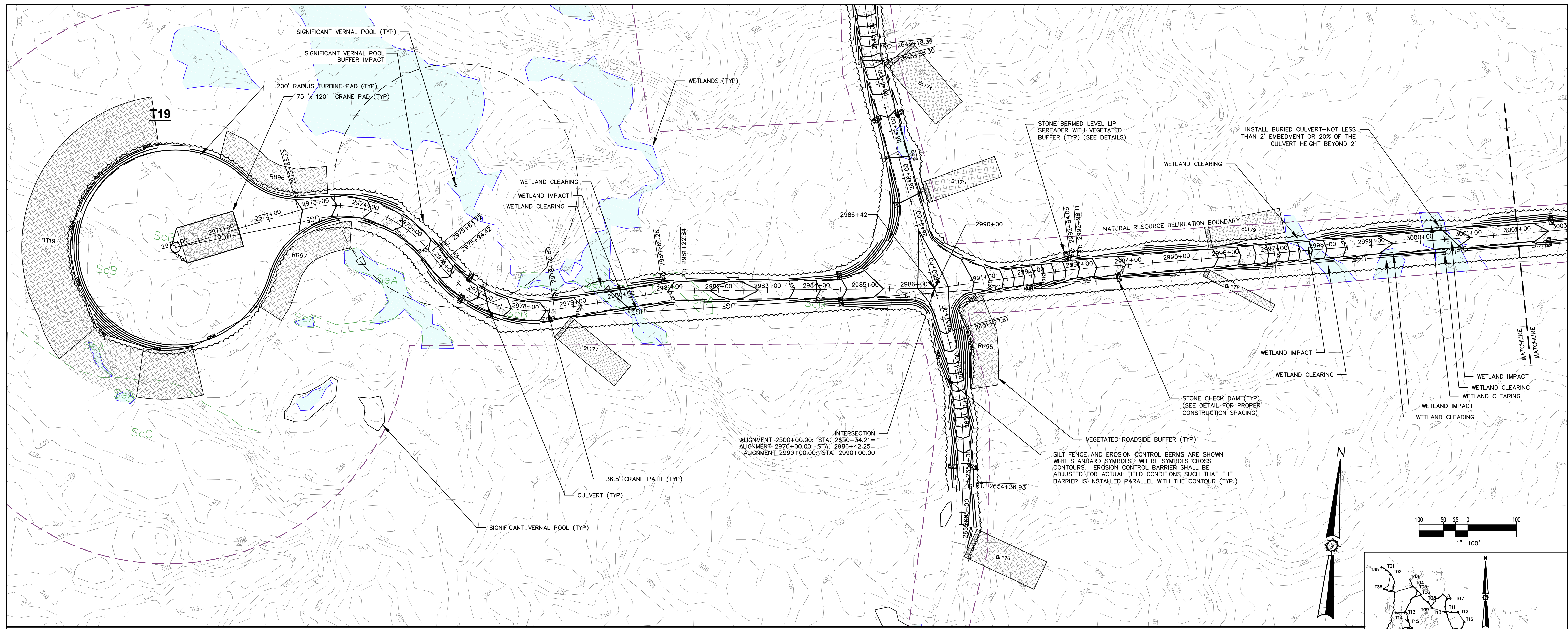
Sheet No.: **26.1**

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CRANE PATH 2925+00
 2941+00.00 - 2959+24.09
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 VERTICAL: 1"=50'



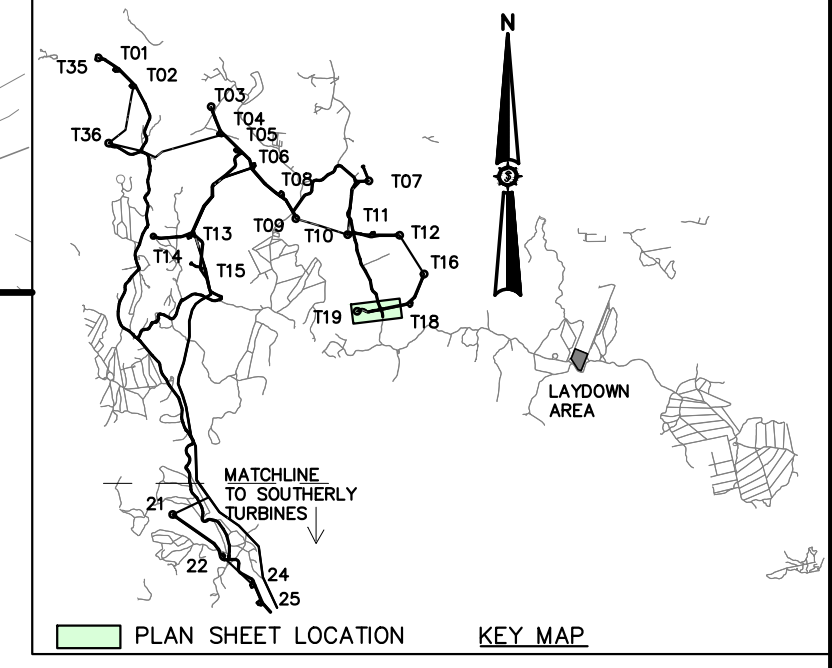
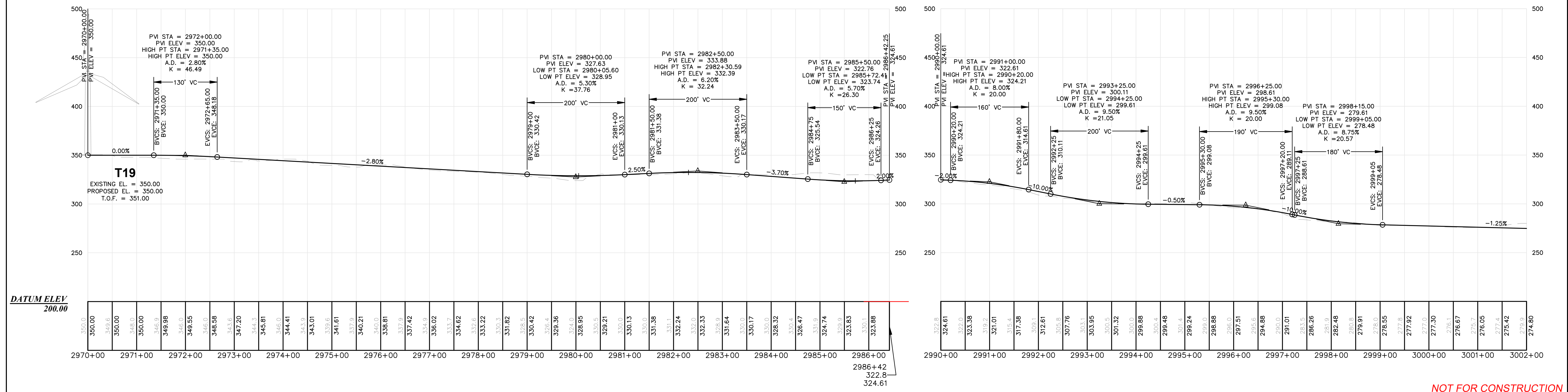


CRANE PATH 2970+00
2970+00.00 - 2986+42.25

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

CRANE PATH 2990+00
2990+00.00 - 3002+00.00

HORIZONTAL: 1"=100'
VERTICAL: 1"=50'



Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Class	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

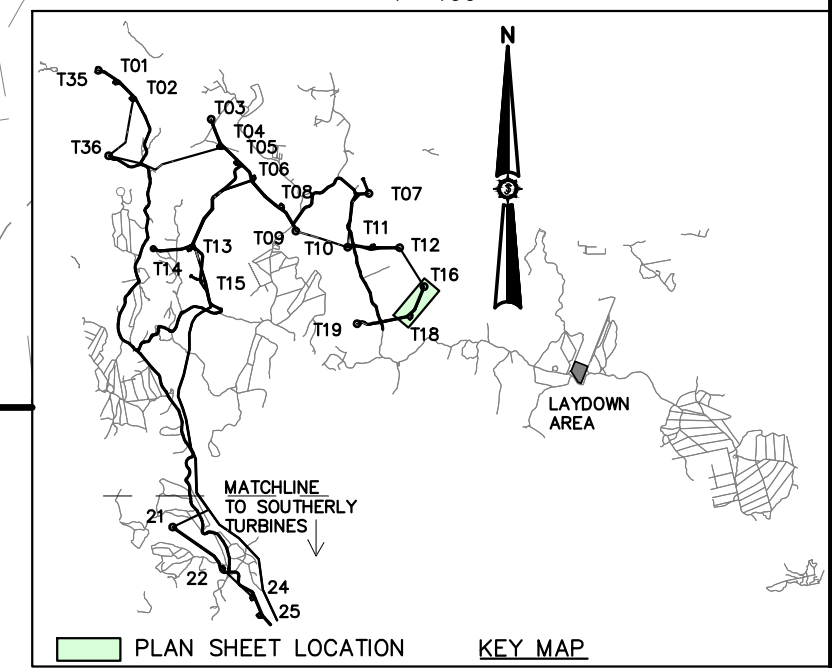
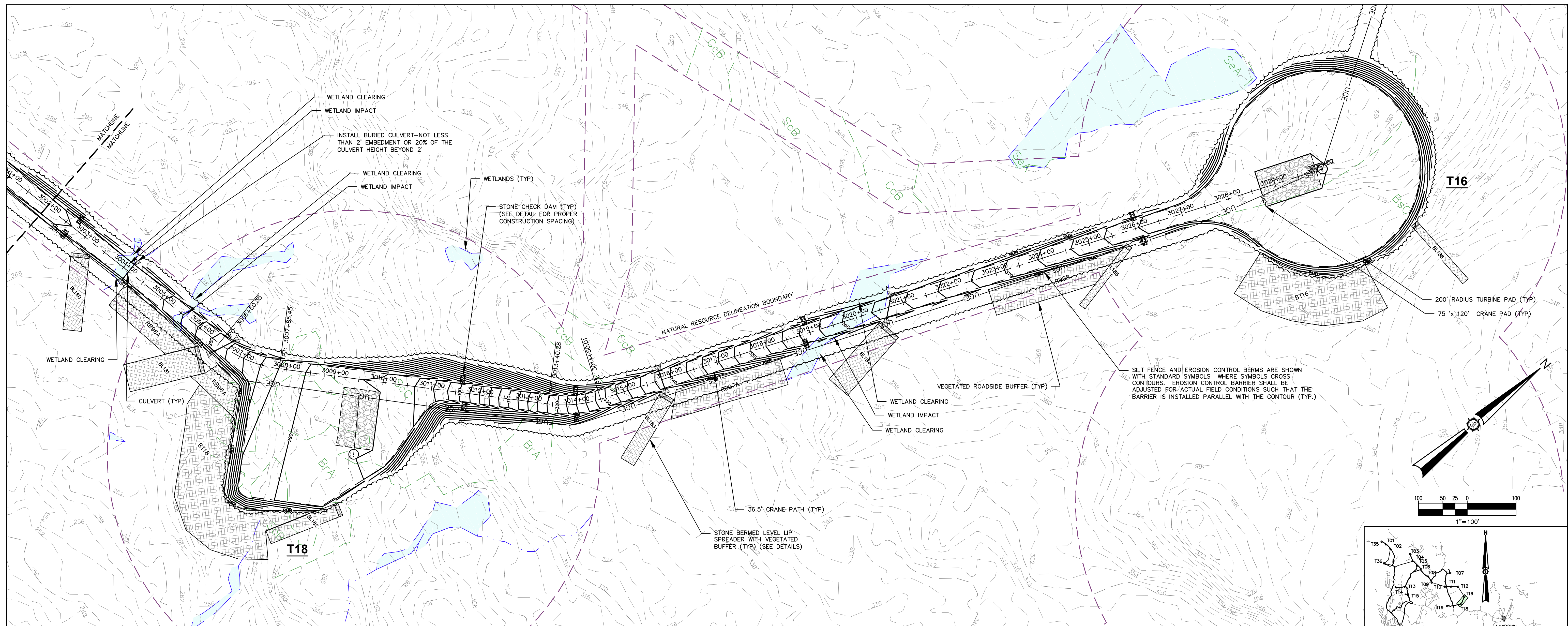
APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
310 4th ST N.E., SUITE 200
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

STATE OF MAINE
BRETT
113.20.01
LICENSED PROFESSIONAL ENGINEER
No. 10858

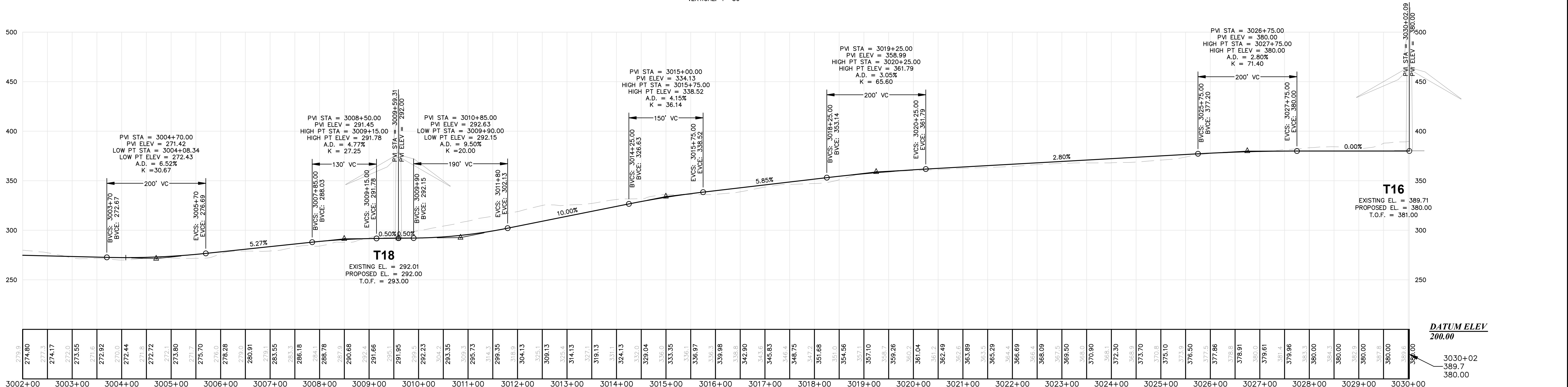
113.20.01
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PERMIT
Sheet No. 27.1

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CRANE PATH 2990+00
 3002+00.00 - 3030+02.09
 HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'



DATUM ELEV
200.00

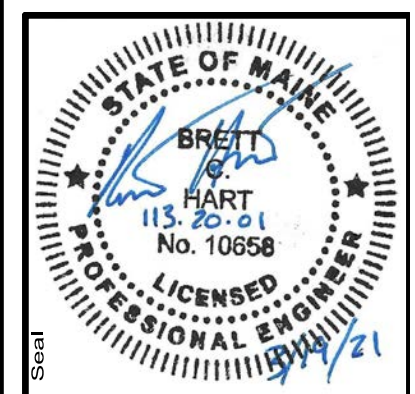
3030+02
EXISTING EL. = 389.71
PROPOSED EL. = 380.00
T.O.F. = 381.00

Drawn By	MTEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	PLAN AND PROFILE

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location
COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
PLAN AND PROFILE



113.20.01

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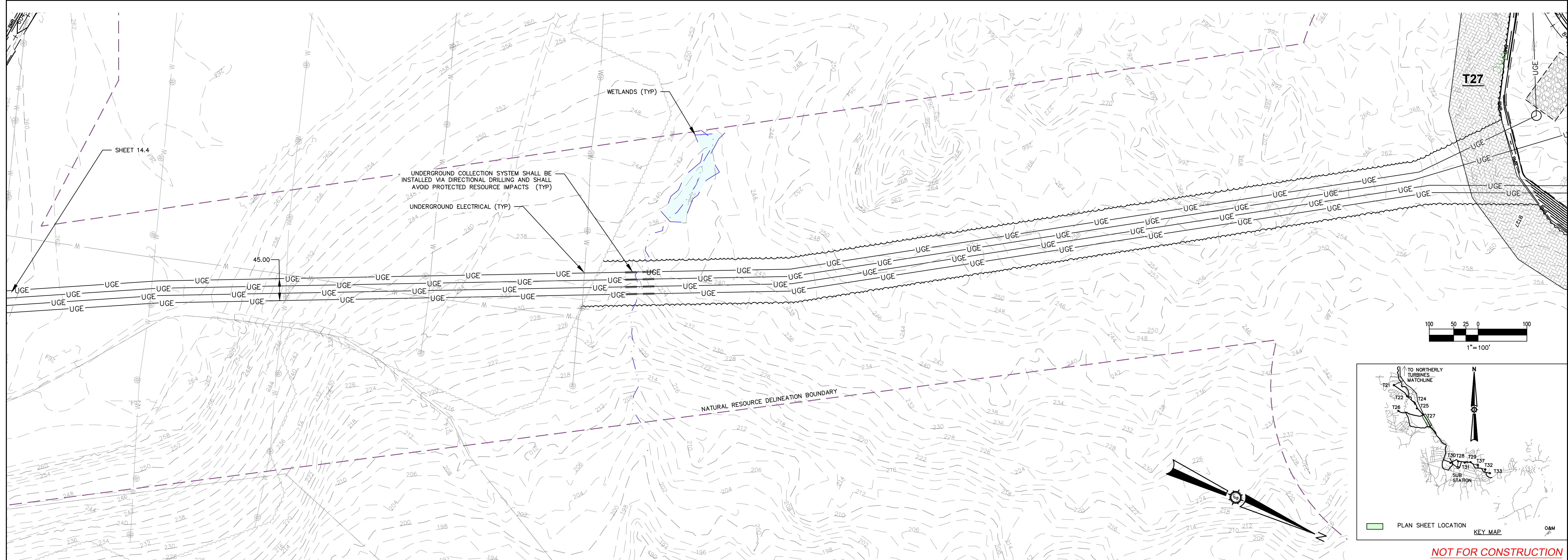
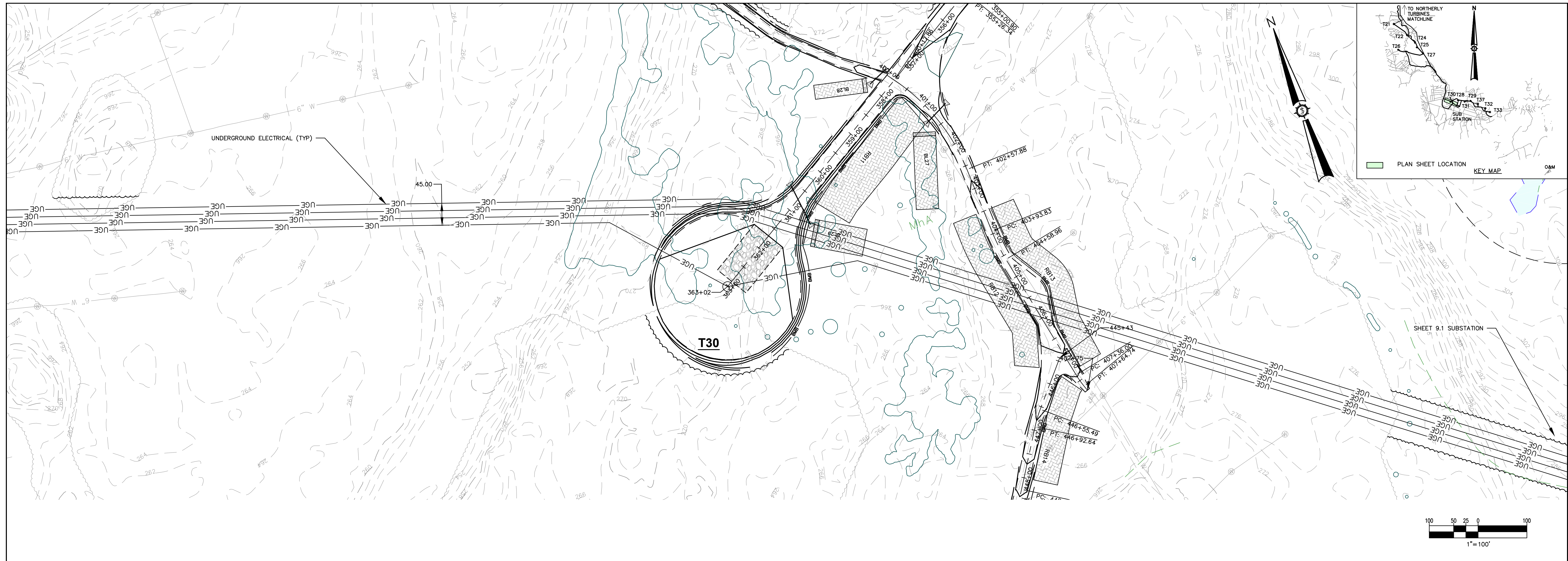
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27.2

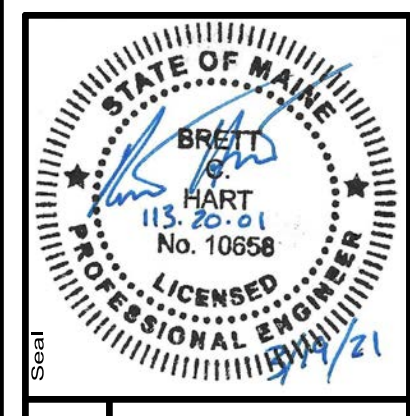
NOT FOR CONSTRUCTION



Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	ELECTRICAL

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: ELECTRICAL



113.20.01

ENGINEERING SURVEYING

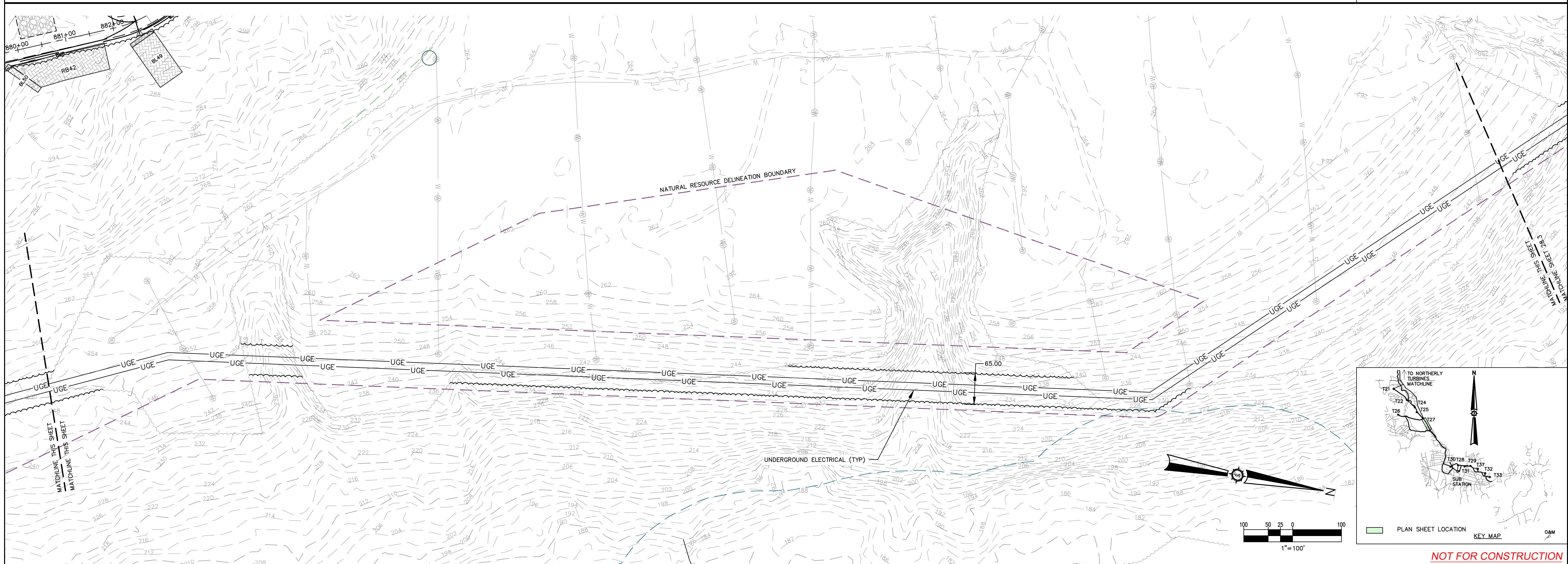
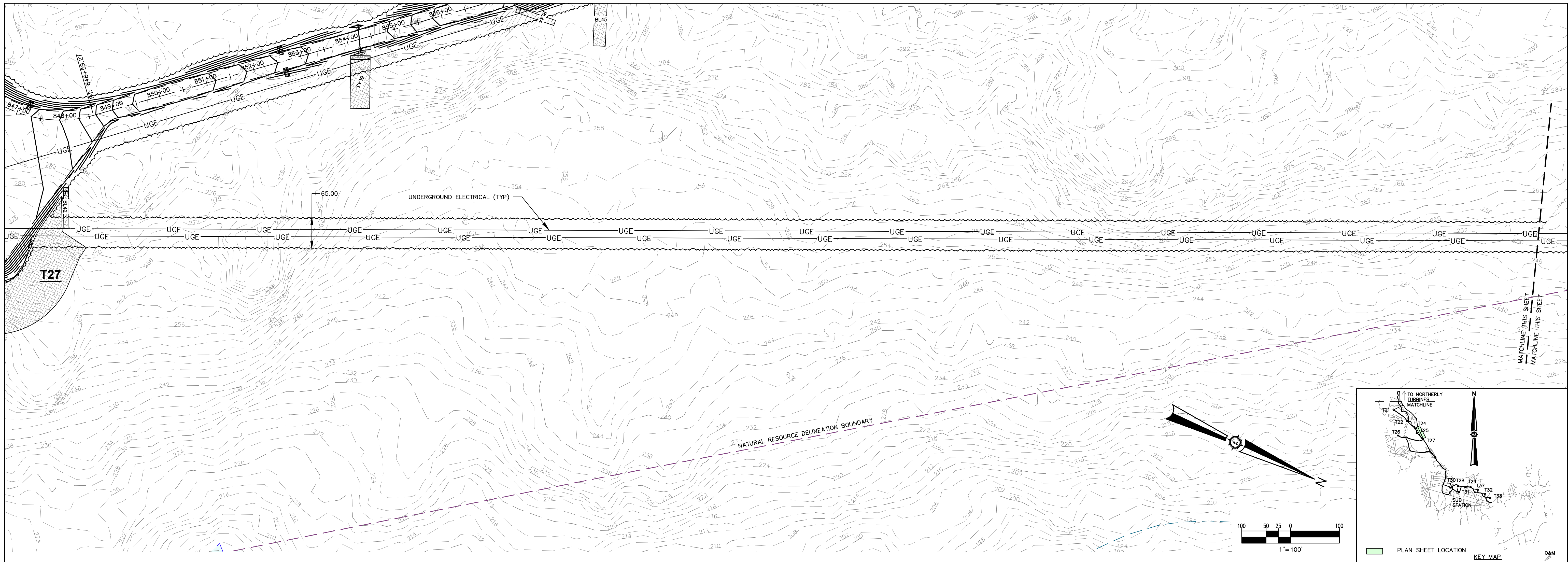
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Phase: PERMIT

Sheet No.: 28.1

NOT FOR CONSTRUCTION

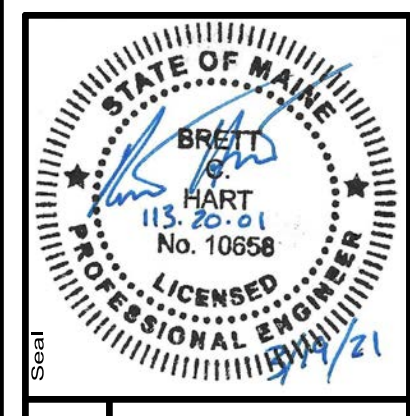


Drawn By	MITFB
Checked By	JSM
Approved By	BCH
Designated By	BCH
Date	03/19/2021
Scale	

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description: ELECTRICAL



113.20.01

ENGINEERING SURVEYING

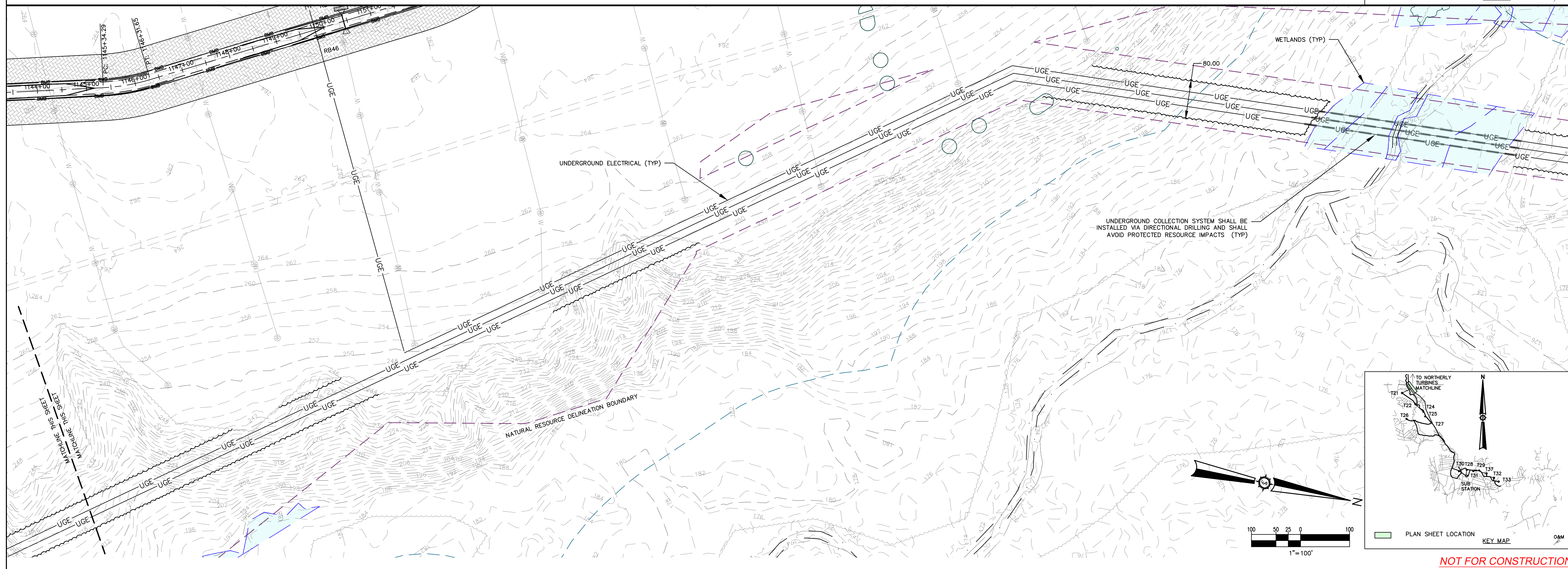
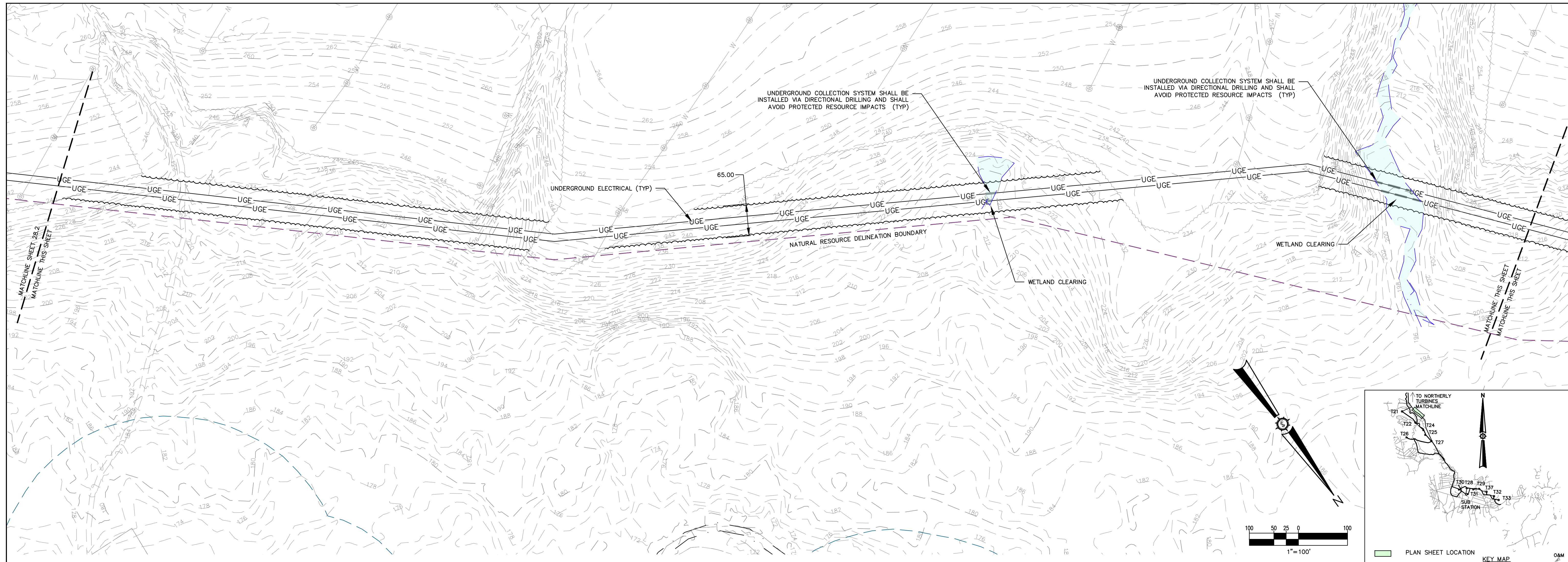
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Phase: PERMIT

Sheet No.: 28.2

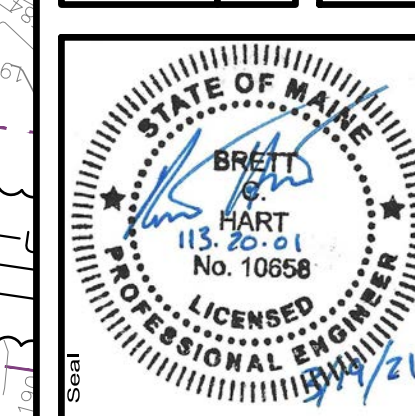
NOT FOR CONSTRUCTION



Drawn By	MITFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	ELECTRICAL

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: ELECTRICAL



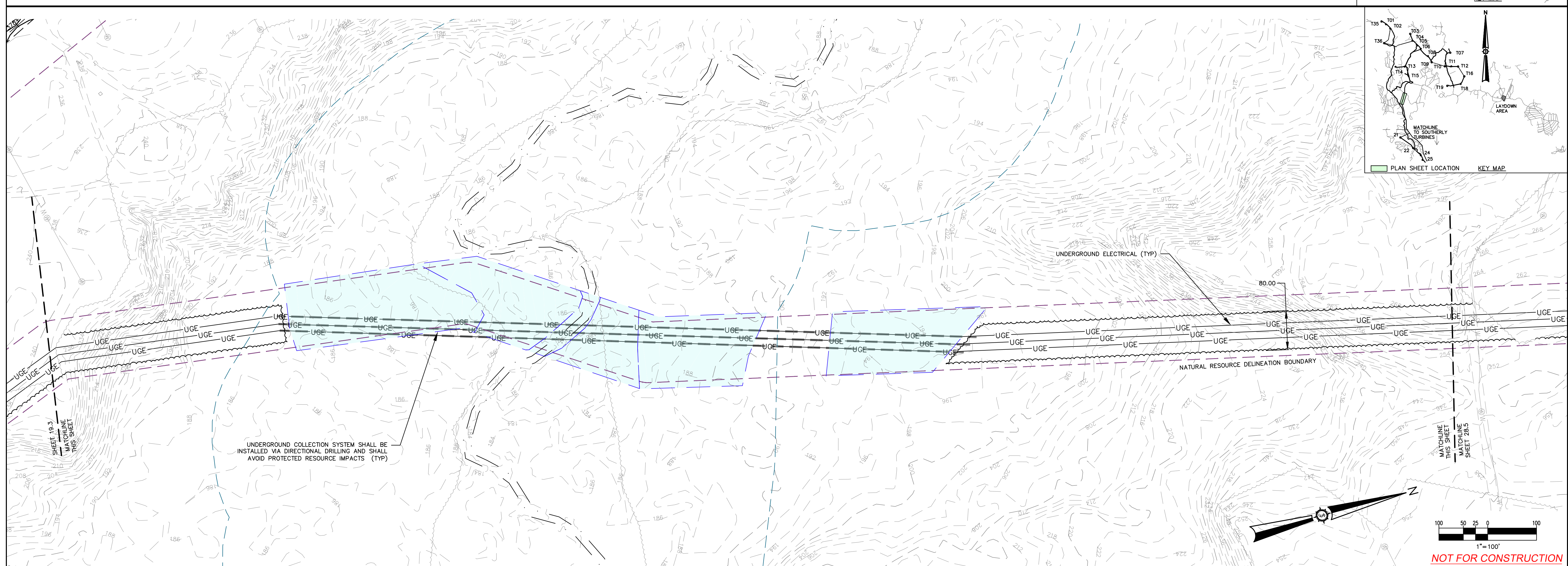
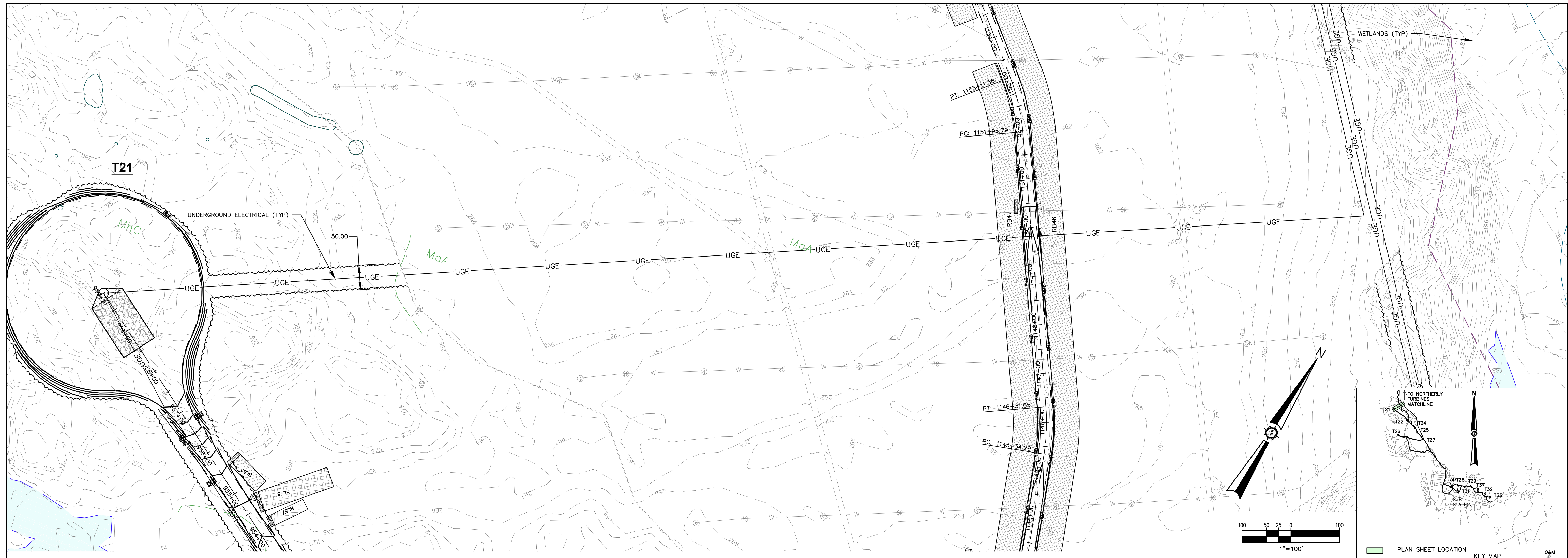
113.20.01

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Phase: PERMIT
 Sheet No.: 28.3

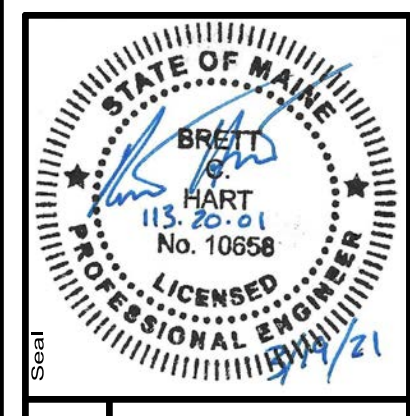
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Rev. #	Date	Drawn By	Description

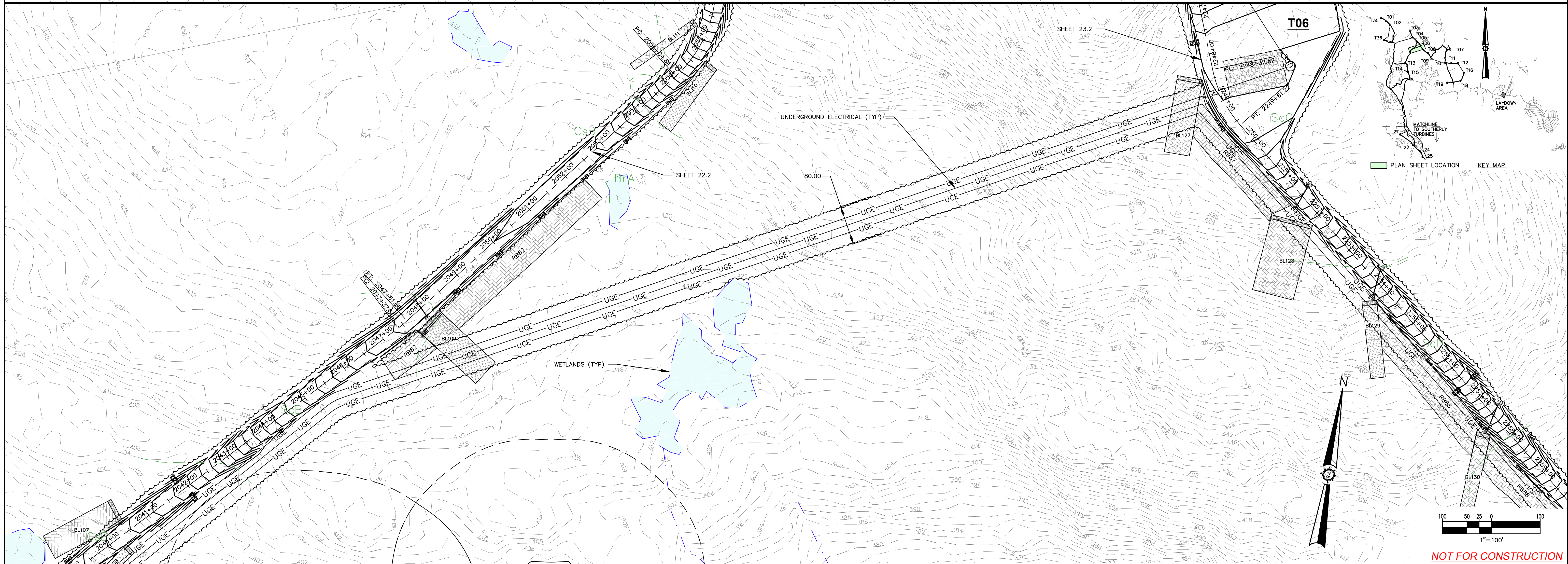
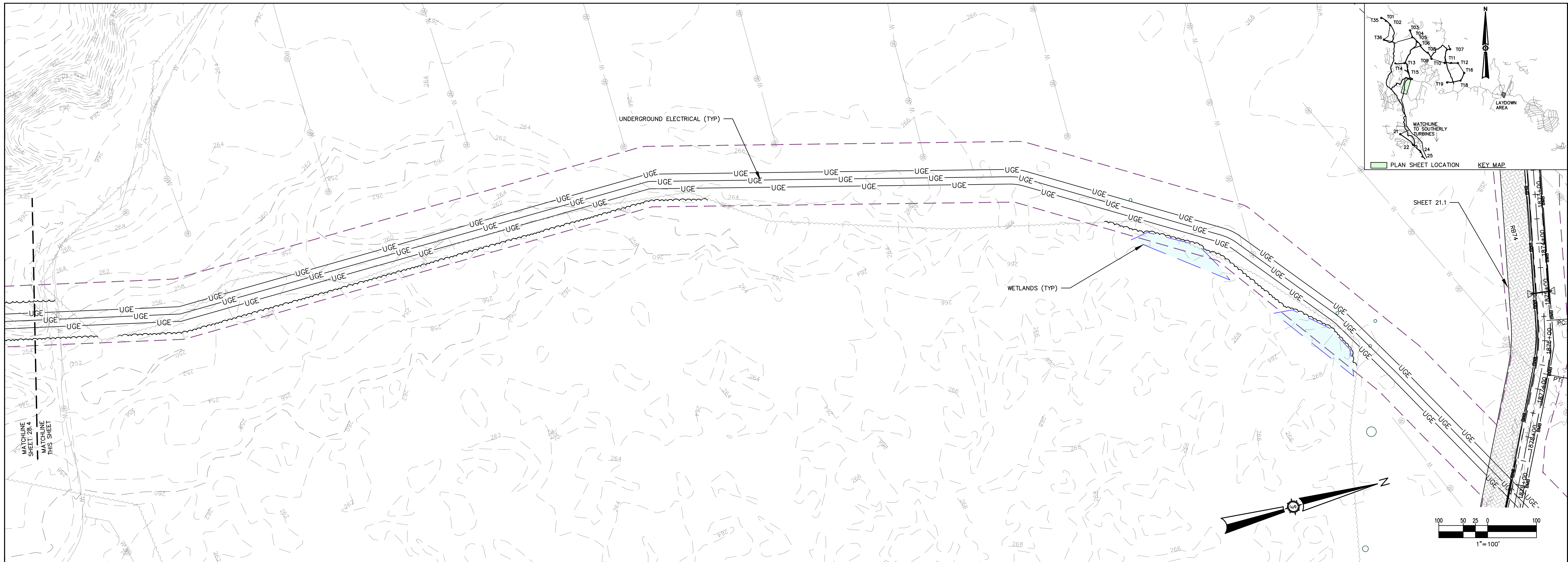
Drawn By: MITFB
 Checked By: JSM
 Approved By: BCH
 Designated By: BCH
 Date: 03/19/2021
 Scale:

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 Project Location: COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
 Drawing Description: ELECTRICAL



Project No.: 113.20.01
 Phase: PERMIT
 Sheet No.: 28.4

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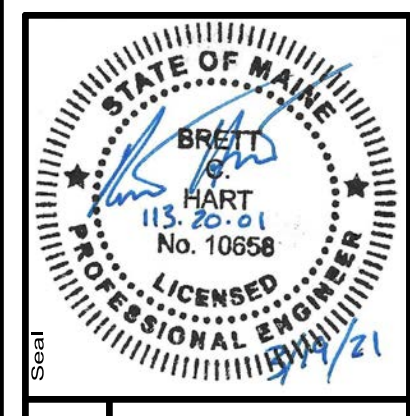


Drawn By	MIFB
Checked By	JSM
Designated By	BCH
Date	03/19/2021

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
 ELECTRICAL



113.20.01

ENGINEERING SURVEYING

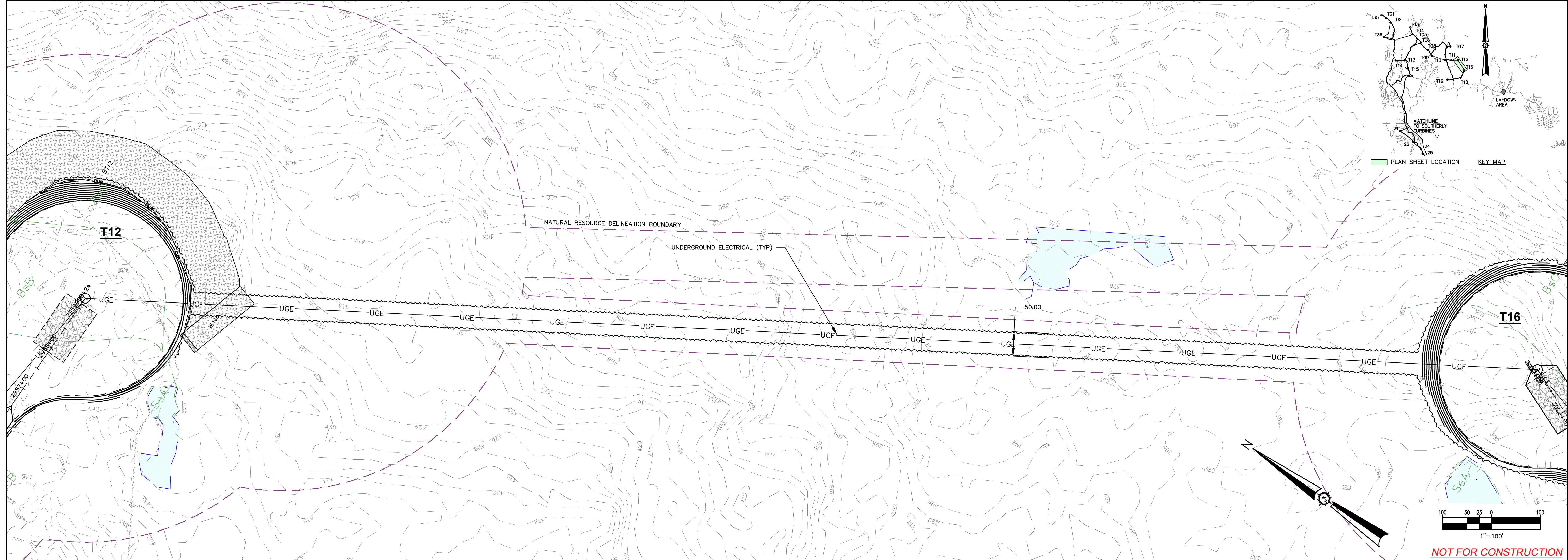
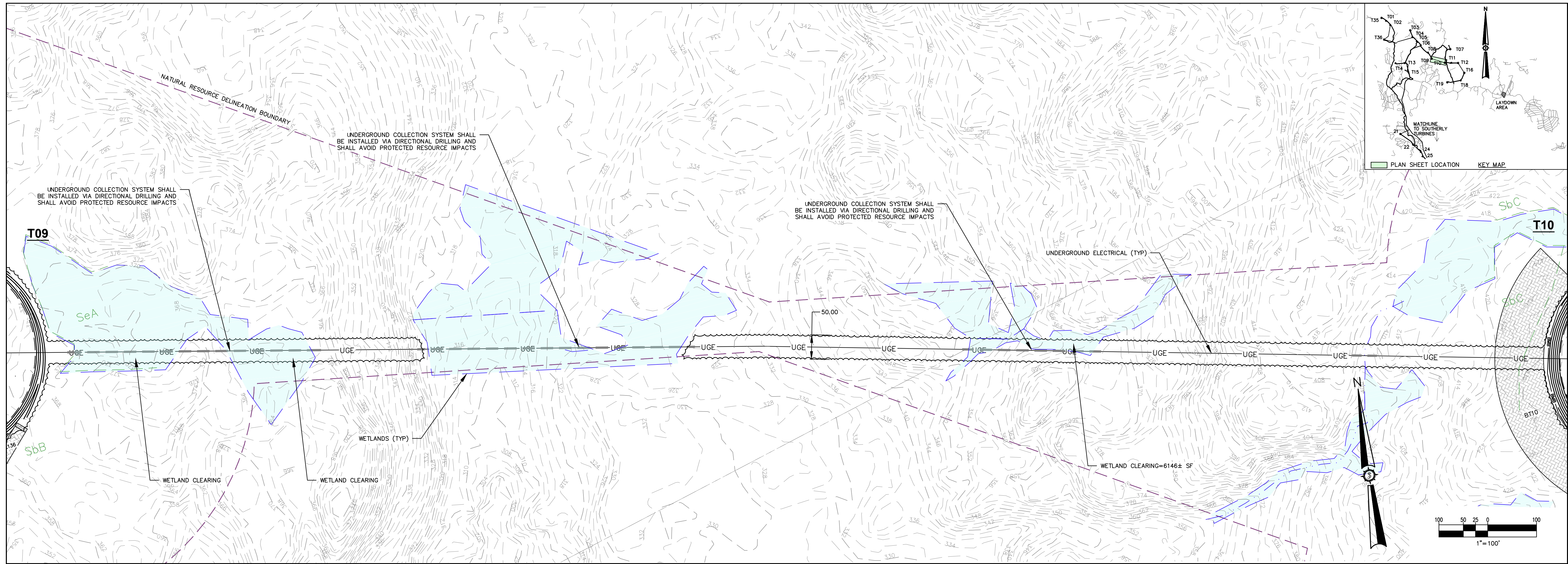
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Phase
PERMIT

Sheet No.
28.5

NOT FOR CONSTRUCTION



Date	
Drawn By	MTFB
Checked By	JSM
Approved By	BCH
Scale	1"=100'
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Name	APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM
Project Address	310 4th ST N.E., SUITE 200 CHARLOTTEVILLE, VA
Drawn By	MTFB
Checked By	JSM
Approved By	BCH
Scale	1"=100'
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Project Name	APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM
Project Address	310 4th ST N.E., SUITE 200 CHARLOTTEVILLE, VA

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 CHARLOTTEVILLE, VA

Project Location
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
 ELECTRICAL

Drawn By
 MTFB

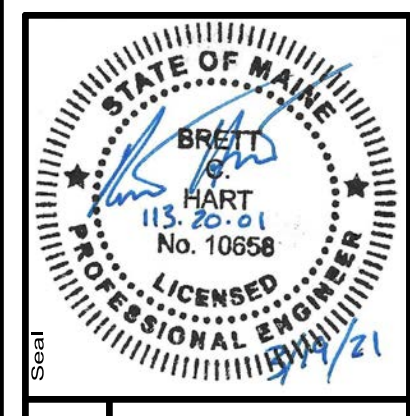
Checked By
 JSM

Approved By
 BCH

Scale
 1"=100'

Project Name
 APEX CLEAN ENERGY, INC. DOWNEAST WIND FARM

Project Address
 310 4th ST N.E., SUITE 200 CHARLOTTEVILLE, VA



113.20.01

ENGINEERING SURVEYING

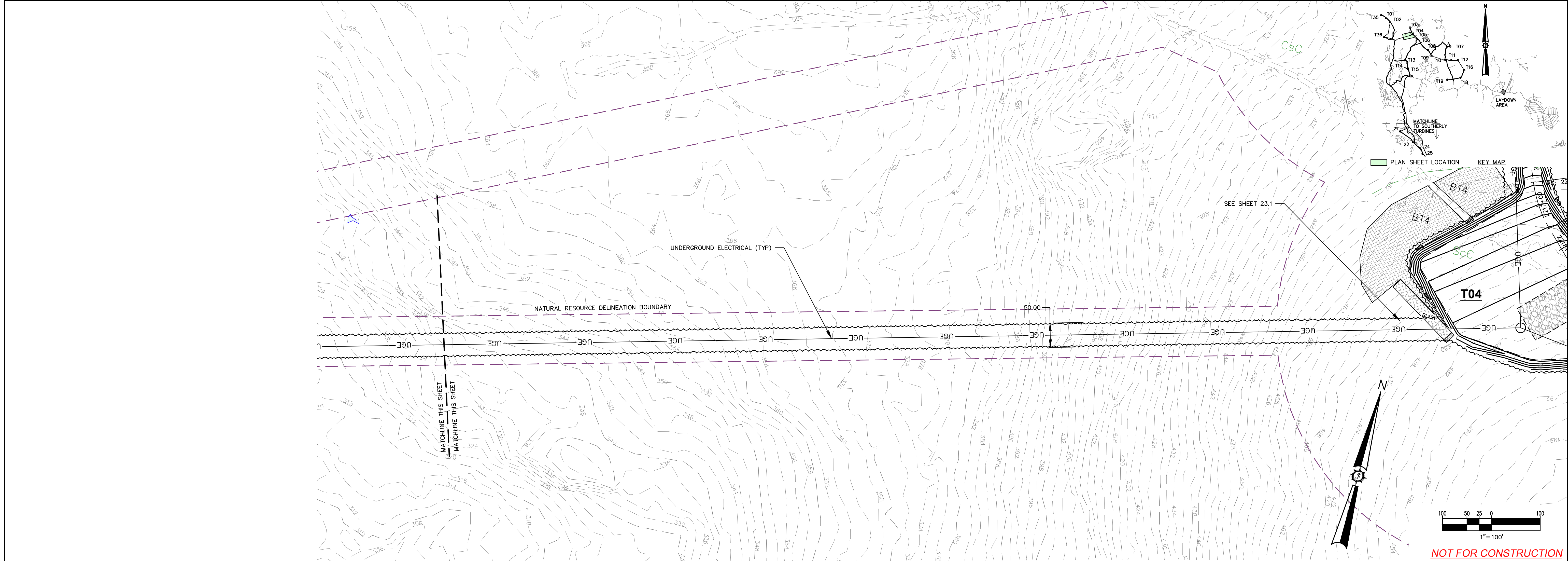
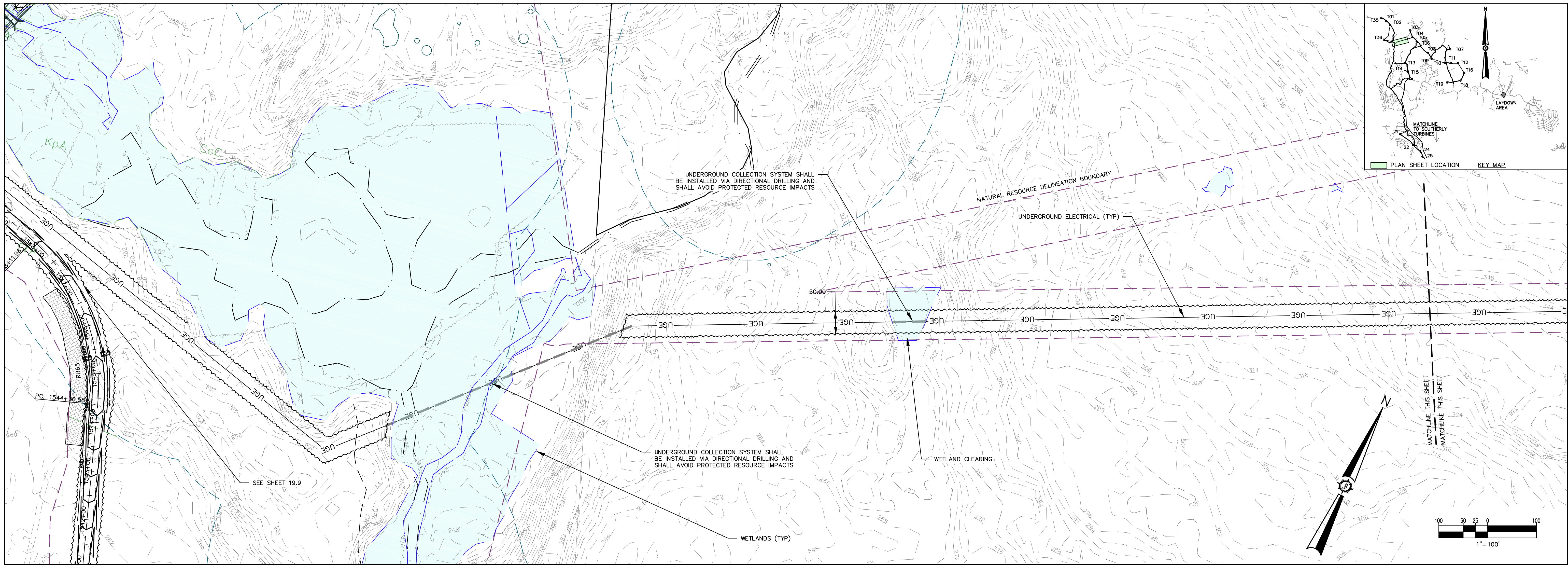
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PERMIT

Sheet No.
28.6

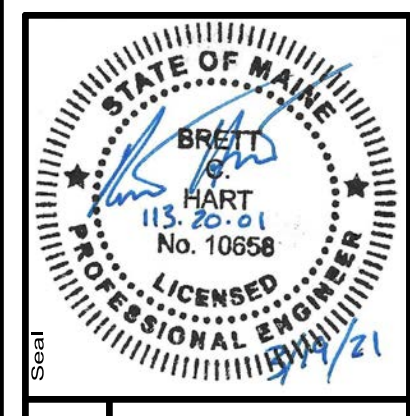


Drawn By	MIFEB
Checked By	JSM
Designated By	BCH
Date	03/19/2021
Scale	
Approved	BCH
Project Location	COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE
Drawing Description	ELECTRICAL

APEX CLEAN ENERGY, INC.
DOWNEAST WIND FARM
 310 4th ST N.E., SUITE 200
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Project Location
 COLUMBIA, T18 MD BPP, T19 MD BPP, T24 MD BPP, MAINE

Drawing Description
 ELECTRICAL



Project No. 113.20.01

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Sheet No. 28.7

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