

PERMIT DESIGN SUBMITTAL
WEAVER WIND

EASTBROOK, OSBORN, T16MD, HANCOCK COUNTY, MAINE

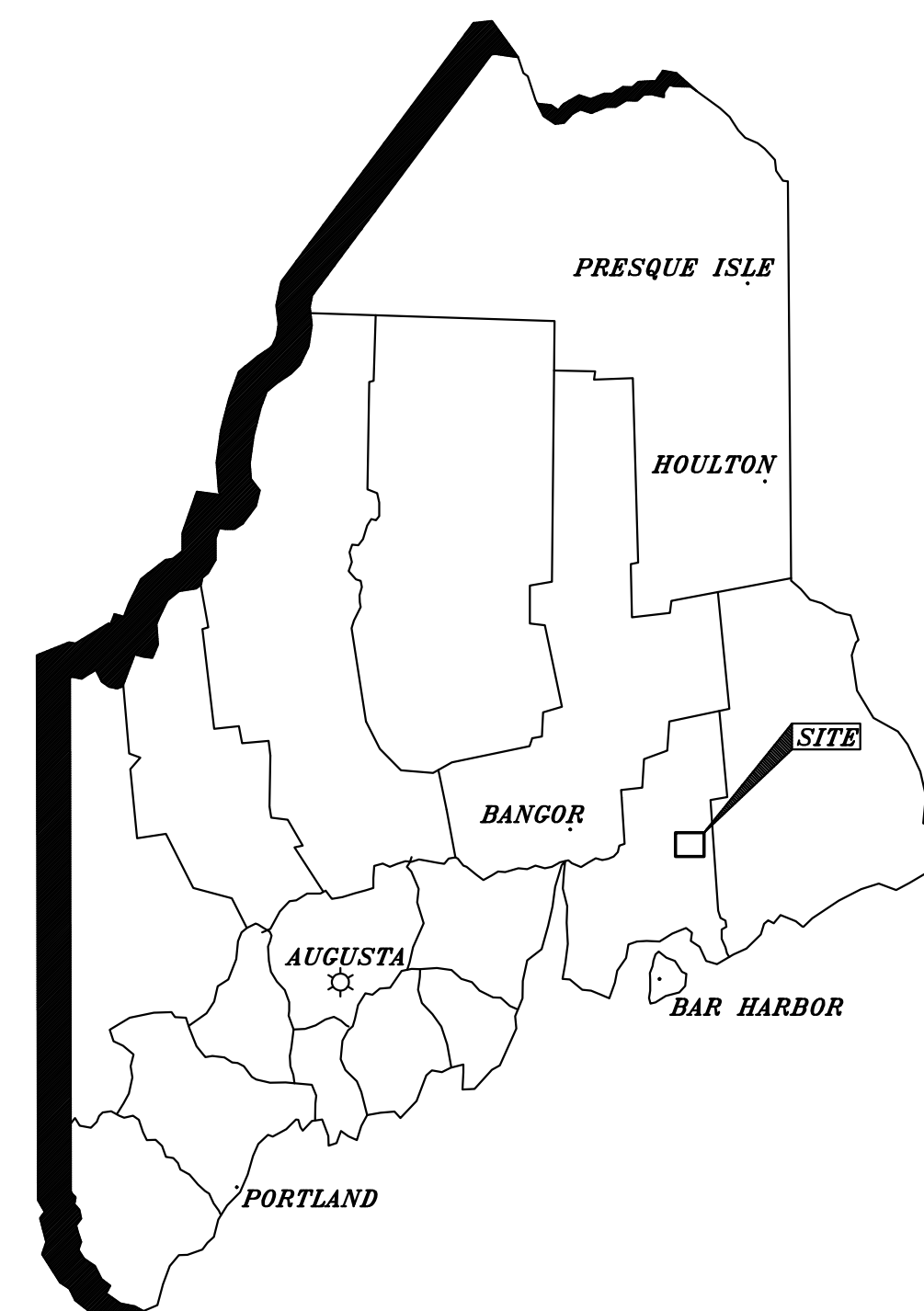
PREPARED FOR WEAVER WIND, LLC

84176E

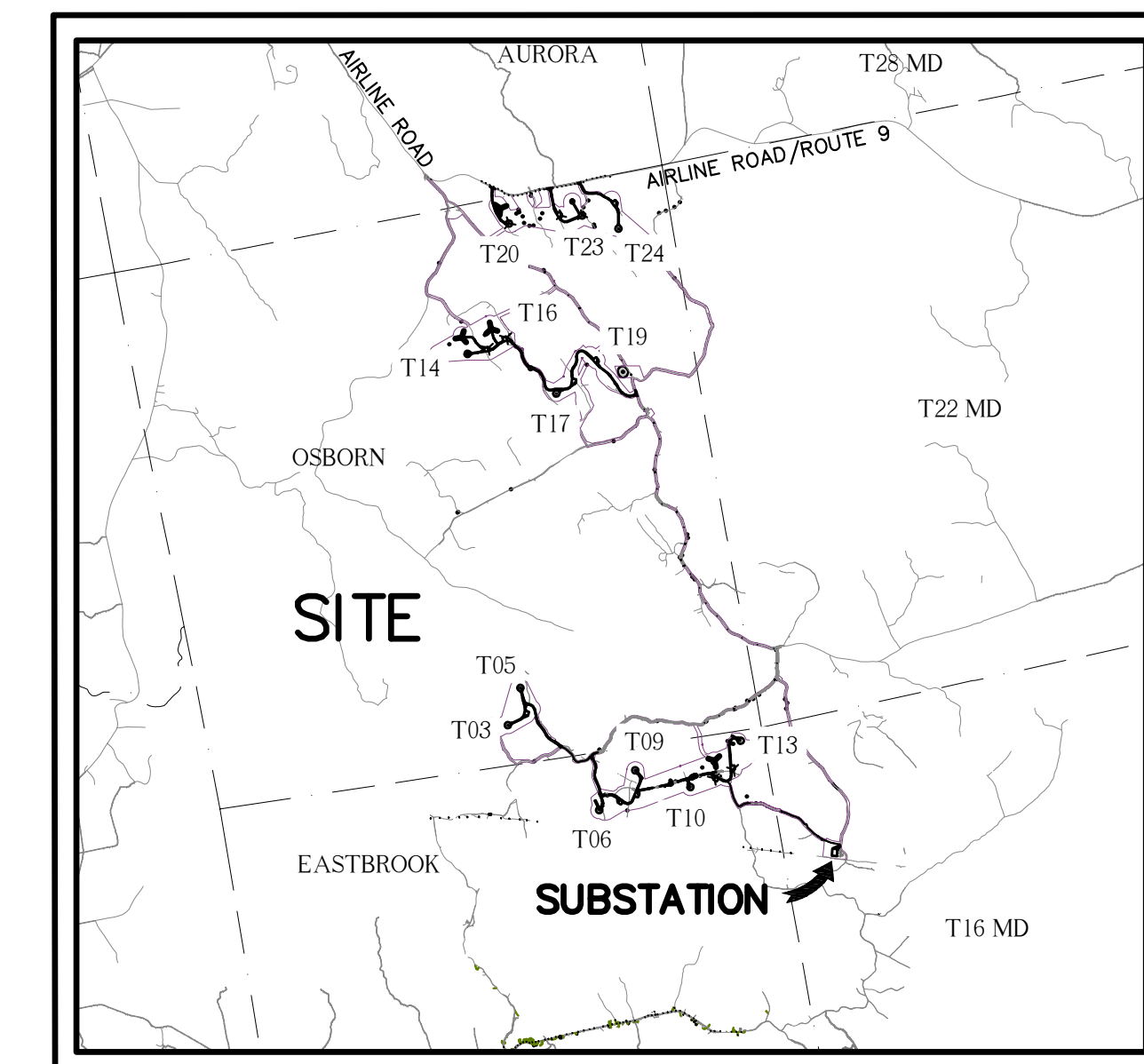
OCTOBER 29, 2018

SHEET INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
	COVER
1	SITE INDEX
3	GRAVEL PIT LAYDOWN AREAS
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LOCUS MAP



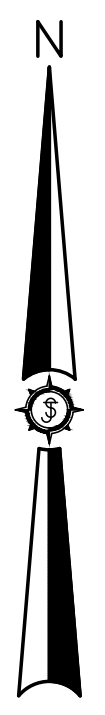
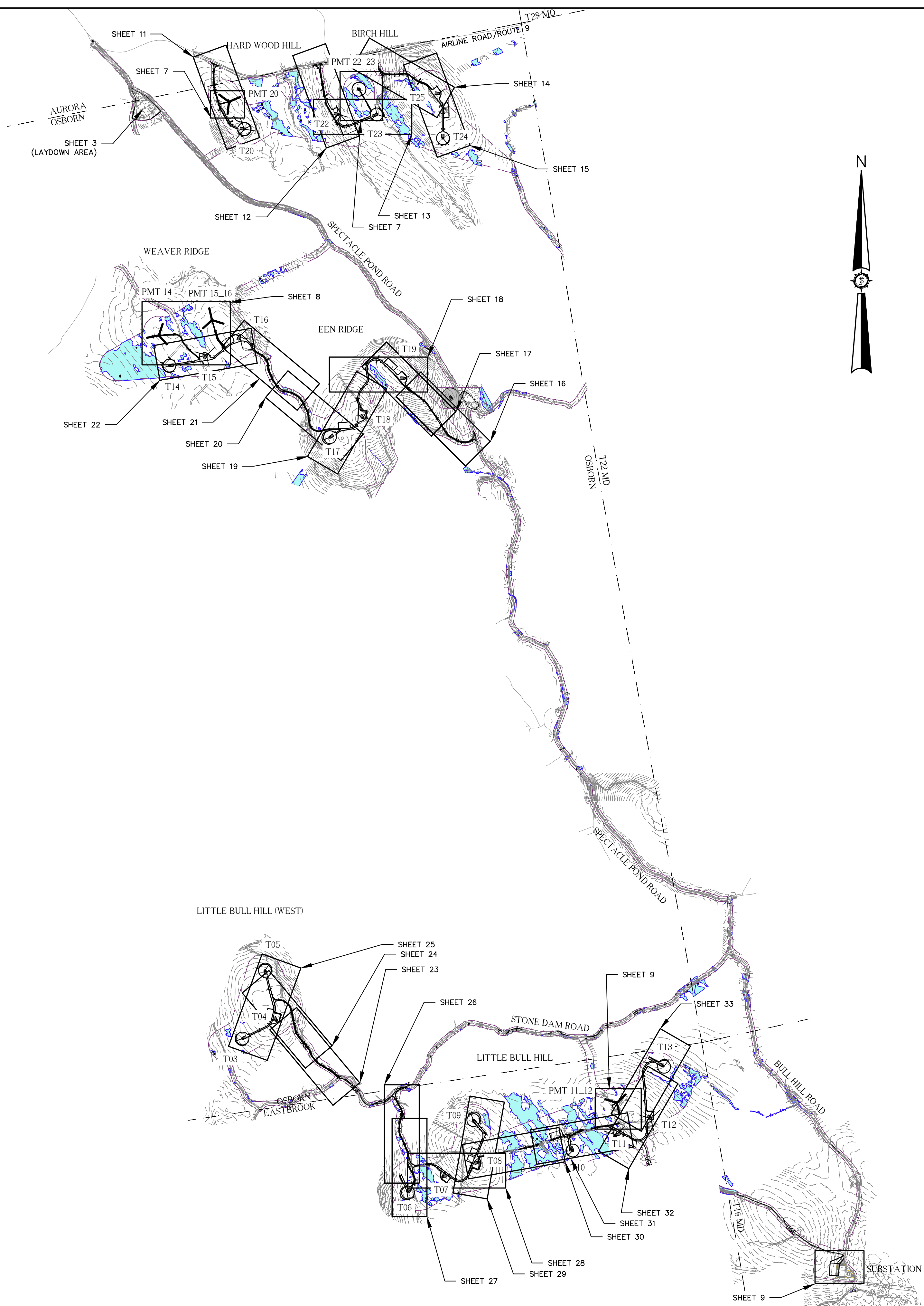
VICINITY MAP

DESIGN TEAM:



NOT FOR CONSTRUCTION

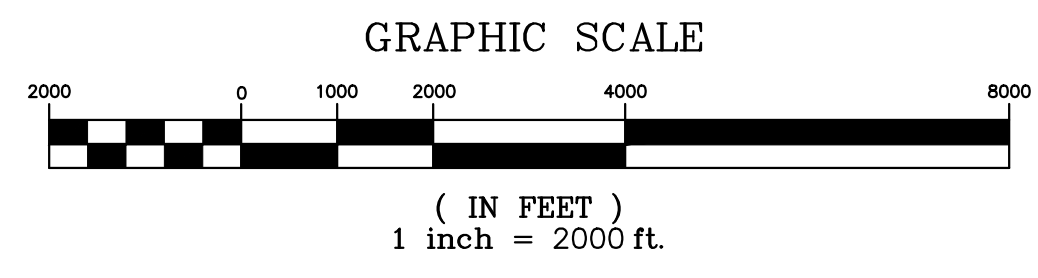
CIVIL DESIGN



SITE PLAN NOTES:
 PLAN REFERENCES:
 - TOPOGRAPHY FOR THIS PROJECT WAS DEVELOPED FROM AERIAL MAPPING PROVIDED BY AERIAL SURVEY & PHOTO OF NORRIDGEWOCK, MAINE WITH VERTICAL DATUM N.A.V.D. 1988 AND HORIZONTAL DATUM OF UTM ZONE 19, N.A.D. 83 (FEET). GROUND CONTROL WAS COMPLETED BY PLUSGA & DAY OF BANGOR, MAINE.
 - PORTIONS OF TOPOGRAPHY IN ISOLATED AREAS PROVIDED BY PLUSGA & DAY LAND SURVEYORS.
 - NATURAL RESOURCE MAPPING WAS PROVIDED BY STANTEC.
 - ELECTRICAL INFORMATION PROVIDED BY CHA. SEE ELECTRICAL PLANS FOR BOTH OVERHEAD AND UNDERGROUND ELECTRIC DETAILS.
 - SEWALL ACCEPTS NO RESPONSIBILITY AS TO THE ACCURACY OF THE AFOREMENTIONED INFORMATION.
 - TEST PIT AND TEST BORING INFORMATION AND LOCATIONS PROVIDED BY NORMANDEAU ASSOCIATES, INC OF FALMOUTH, MAINE.

PROPOSED	LINE LEGEND	EXISTING
---	TOWN BOUNDARY	---
---	CENTERLINE	---
---	STREAM	---
---	EDGE OF PAVEMENT	---
---	EDGE OF GRAVEL	---
---	BUILDING	---
---	CONTOUR	---
X 126.3	SPOT GRADE	X 126.3
X	CHAIN LINK FENCE	X
---	TREELINE	---
---	UTILITY POLE	---
OHE	OVERHEAD ELECTRIC	---
UGE	UNDERGROUND ELECTRIC	---
FO	FIBER OPTIC CABLE	---
---	STORM DRAIN	SD
UD	FOUNDATION DRAIN	---
BMB	ECM BERM/SILT FENCE	---
---	EDGE OF WETLANDS	---
SD	EDGE OF DELINEATION	---
SD	FOUNDATION DRAIN OUTLET	---
TP	STONE CHECK DAM	---
TB	TEST PIT	---
---	TEST BORING	---
---	TEMPORARY MET TOWER	---
---	PERMANENT MET TOWER	---

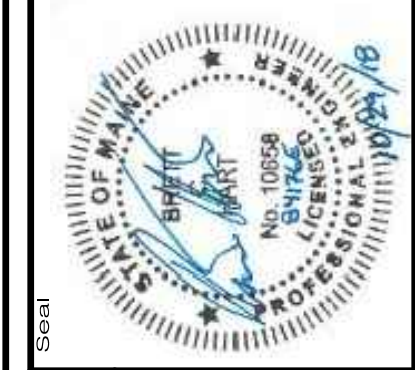
HATCH LEGEND	
[Hatch Pattern]	CRANE PAD
[Hatch Pattern]	WETLAND
[Hatch Pattern]	LAYDOWN AREA
[Hatch Pattern]	FUTURE LOGGING ACCESS AREAS
[Hatch Pattern]	250' SETBACK FOR POTENTIAL/SIGNIFICANT VERNAL POOL
[Hatch Pattern]	ROCK SANDWICH
[Hatch Pattern]	INLET/OUTLET PROTECTION
[Hatch Pattern]	STONED BERMED LEVEL LIP SPREADER WITH BUFFER
[Hatch Pattern]	VEGETATED BUFFER
[Hatch Pattern]	LEVEL SPREADER



Drawn By	Date
JAO/MT	

Checked By	Date
JAO	

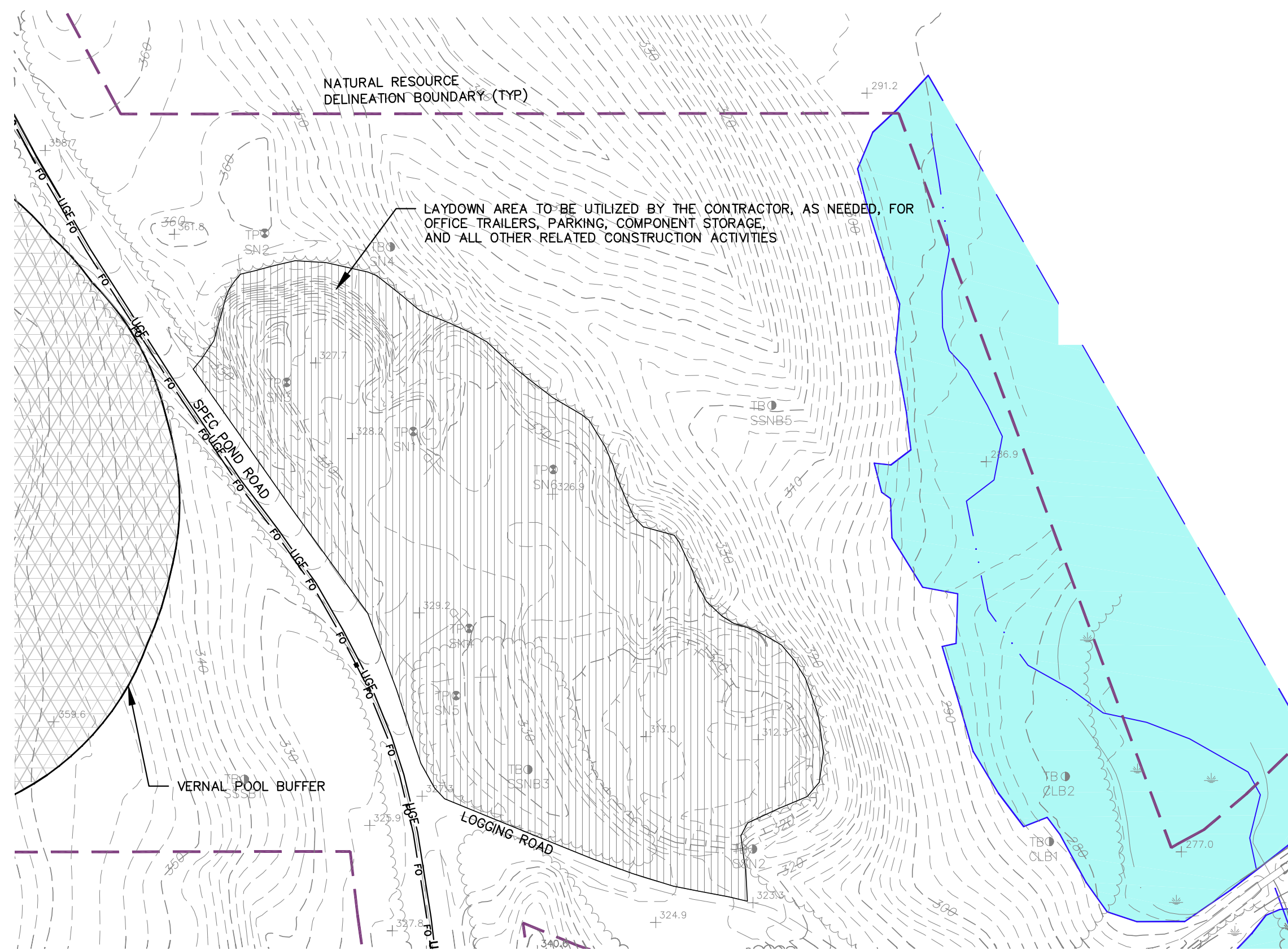
WEAVER WIND PROJECT
WEAVER WIND, LLC
 129 MIDDLE STREET
 PORTLAND, ME
 EASTBROOK, OSBORN, T16MD, MAINE
 Drawing Description: INDEX SHEET



84176E
 AN INTEGRATED TEAM OF
 GEOSPATIAL ENGINEERING,
 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS
SEWALL
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Phase: **PERMIT**
 Sheet No.: **1**

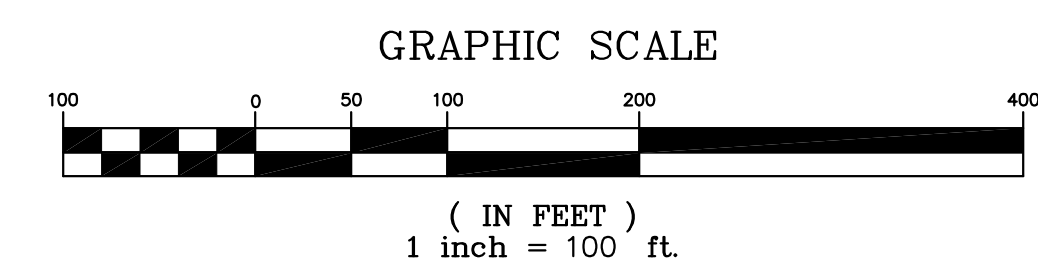
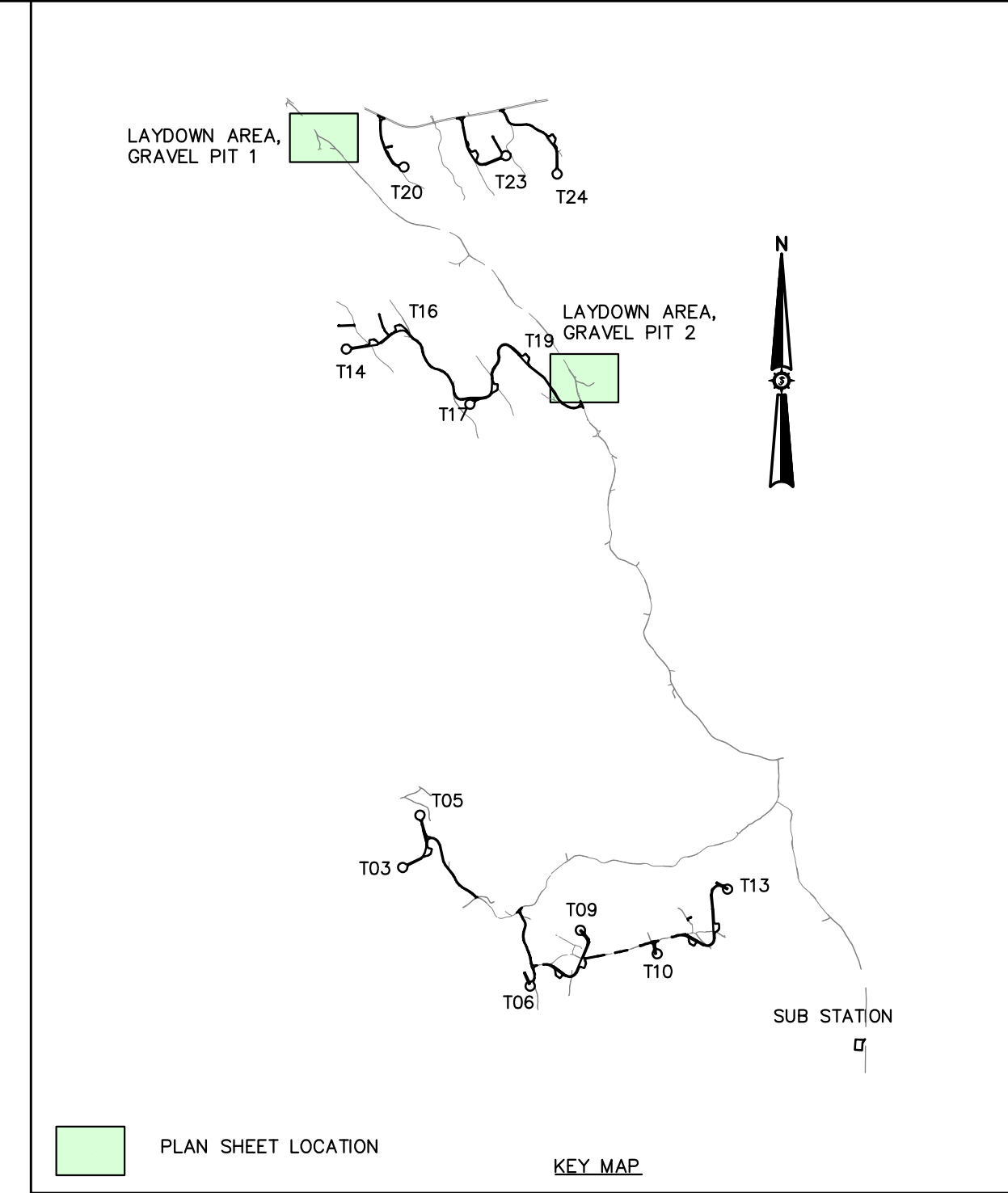
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LAYDOWN AREA GRAVEL PIT 2

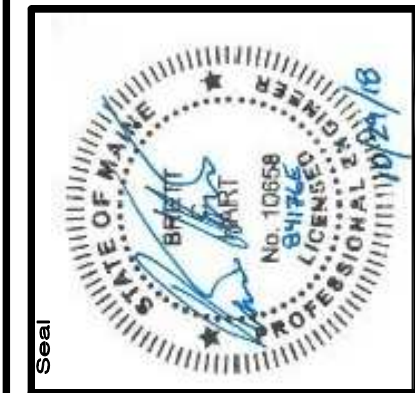


LAYDOWN AREA GRAVEL PIT 1



NOT FOR CONSTRUCTION

Project No.	84176E
Phase	PERMIT
Sheet No.	3
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC
Project Location	129 MIDDLE STREET PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE
Drawing Description	ISOLATED LAYDOWN AREAS
Drawn By	JAC/NT
Checked	JAO
Designed By	BCH
Date	10/29/2018
Scale	
Approved	BCH
Drawn By	JAC/NT
Checked	JAO
Designed By	BCH
Date	10/29/2018
Scale	
Approved	BCH
Drawn By	JAC/NT
Checked	JAO
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Scale	
Approved	BCH
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Checked	JAO
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Date	10/29/2018
Scale	
Approved	BCH



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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 STOCKPIILING 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, ORB BUILDING, STORMWATER MANAGEMENT SYSTEMS, ETC.) ARE TO BE INSTALLED/CONSTRUCTED. STUMPS TO BE BURIED IN PLACE OR GROUND ON-SITE AND USED AS AN EPSC 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 DEPICED 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.
- 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 COMPLETE 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 OF COMPONENTS OR CONSTRUCTIBILITY OF PROJECT IN GENERAL. CONTRACTOR SHALL RECORD ALL MODIFICATIONS FOR INCLUSION IN PROJECT AS-BUILT DRAWINGS.
- 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 DEPICED CLEARING AND EARTHWORK LIMITS SHOWN ON THIS DESIGN BUT WILL AVOID PROTECTED NATURAL RESOURCES.

CONSTRUCTION OF RIDGELINE 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 DEPICED 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 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.
- FOUNDATION DRAIN MAY BE PROVIDED 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-IN.
- EXCAVATED FROZEN SOILS SHALL BE STOCKPILED IN LEVEL AREAS AND SHALL NOT BE USED UNTIL THAWED. SEE STOCKPIILING 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 IS 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 STOP OR PERIOD OF THAWING 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 PERMIT. 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 SEEDED 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 OR IN NEAREST AVAILABLE ROADSIDE DITCH. 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 OUTLETS SHALL HAVE STAINLESS STEEL RODENT SCREENS.
- IN LOCATIONS WHERE OUTLET REQUIRES THE PLACEMENT OUTSIDE THE DEPICED CLEARING LIMITS CONTRACTOR SHALL MINIMIZE CLEARING AND DISTURBANCE TO SMALLEST EXTENT PRACTICABLE AND SHALL AVOID PROTECTED NATURAL RESOURCES.

STONE BERMED LEVEL LIP SPREADER SIZES WITH BUFFERS

Spec Pond (Osborn) Watershed				
BMP Type & #	Roadway Align. or Turbine Site	Berm Length (ft)	Buffer Length (ft)	
BL10	Access/Crane T23	50	100	
BL11	Access/Crane T23	24	75	
BL22	Access/Crane T24	40	100	
BL23	Access/Crane T24	38	100	
BL24	Access/Crane T24	25	75	
BL25	Access/Crane T24	40	150	
BL26	Access Een Ridge	12	75	
BL27	Access Een Ridge	13	75	
BL28	Access Een Ridge	17	75	
BL29	Access Een Ridge	21	75	
BL30	Access Een Ridge	9	75	
BL31	Access Een Ridge	20	100	
BL32	Access Een Ridge	11	75	
BL33	Access Een Ridge	21	75	
BL34	Access Een Ridge	21	75	
BL35	Access Een Ridge	10	75	
BL36	Access Een Ridge	14	75	
BL37	Access Een Ridge	20	100	
BL42	Crane P Een Ridge	22	100	
BL43B	T16	52	150	
BL44	Crane P Een Ridge	16	75	
BL45	Crane P Een Ridge	20	75	
BL46	Crane P Een Ridge	12	75	
BL46A	Weaver Access Rd	28	75	
BL46B	Weaver Access Rd	35	75	
BL47	Weaver Access Rd	17	75	
BL47A	Weaver Access Rd	27	75	
BL48	Weaver Access Rd	31	75	
BL48A	Weaver Access Rd	15	75	
BL53	Weaver Crane Path	33	100	
BL61	LBH West Access	33	75	
BL62	LBH West Access	21	100	
BL63	LBH West Access	17	75	
BL64	LBH West Access	23	75	
BL65	LBH West Access	20	75	
BL66	LBH West Access	6	75	
BL67	LBH West Access	21	100	
BL68	LBH West Access	36	150	
BL69	LBH West	19	100	
BL70	LBH West	46	150	

STONE BERMED LEVEL LIP SPREADER SIZES WITH BUFFERS

Graham Lake Watershed				
BMP Type & #	Roadway Align. or Turbine Site	Berm Length (ft)	Buffer Length (ft)	
BL1	Access/Crane T20	15	75	
BL2	Access/Crane T20	15	75	
BL3	Access/Crane T20	12	75	
BL4	MET PMT20	33	100	
BL5	Access/Crane T20	23	75	
BL6	Access/Crane T20	24	75	
BL7	Access/Crane T23	26	100	
BL8	Access/Crane T23	19	75	
BL9	Access/Crane T23	46	150	
BL17	Access/Crane T24	23	75	
BL18	Access/Crane T24	24	100	
BL19	Access/Crane T24	28	75	
BL20	Access/Crane T24	40	100	
BL21	Access/Crane T24	22	100	
BL38	Crane P Een Ridge	36	100	
BL39	Crane P Een Ridge	40	100	
BL40	Crane P Een Ridge	42	100	
BL41	Crane P Een Ridge	43	75	
BL43	Crane P Een Ridge	34	150	
BL49	Weaver Access Rd	20	100	
BL50	Weaver Access Rd	12	75	
BL51	Weaver Access Rd	20	75	
BL52	Weaver Crane Path	44	100	
BL54	Weaver Crane Path	39	150	
BL55	Weaver Crane Path	36	100	
BL56	Weaver Crane Path	51	100	
BL57	Weaver Crane Path	29	75	
BL58	MET PMT2223	10	100	
BL59	MET PMT2223	20	100	
BL60	MET PMT15/16	22	100	
BL71	LBHW	17	75	
BL72	LBHW	22	100	
BL73	LBHW	22	75	
BL74	LBHW	13	75	
BL75	T4	34	150	
BL78	LBH T6	21	75	
BL79	LBH T6	32	75	
BL80	LBH T6	29	75	
BL81	LBH T6	16	75	
BL82	LBH T6	17	75	
BL82B	LBH T9	45	100	
BL83	LBH T6	14	75	
BL83B	LBH T9	34	100	
BL84	LBH T9	41	75	
BL85	LBH T9	19	100	
BL89	LBH T9	34	100	
BL90	LBH T11	25	100	
BL105	MET PMT14	24	100	
BL106	MET PMT14	35	150	

CULVERT AND LEVEL SPREADER SIZES WITHOUT BUFFERS

North String					
Road Name	CL Station	Drainage Area (acres)	Culvert Diameter (in)	Level Spreader Length (ft)	
Access/Crane T20	1+85	7.7	18	N/A	
Access/Crane T20	8+25 right	0.1	15	N/A	
Access/Crane T20	8+25 left	0.0	15	N/A	
Access/Crane T20	9+00	0.1	15	See BL4	
Access/Crane T20	14+95	0.9	15	See BL4	
PMT20	1203+14 left	0.2	N/A	5	
PMT20	1203+14 right	0.2	N/A	5	
Access/Crane T23	100+67	4.0	15	N/A	
Access/Crane T23	102+45	6.4	18	See BL7	
Access/Crane T23	107+05	3.7	15	See BL8	
Access/Crane T23	108+40 right	0.1	15	N/A	
Access/Crane T23	110+40	14.1	24	See BL9	
Access/Crane T23	110+60 left	14.1	24	N/A	
Access/Crane T23	119+75	5.8	18	See BL10	
Access/Crane T23	120+50 right	0.3	15	5	
Access/Crane T23	122+40	4.2	15	18	
Access/Crane T23	126+36	1.2	15	See BL11	
Access/Crane T23	134+09 right	3.7	N/A	16	
Access/Crane T23	T23 (east)	3.7	15	N/A	
PMT 22/23	1220+06	2.0	15	9	
PMT 22/23	1228+11 right	1.1	N/A	5	
Access/Crane T24	242+00	12.3	24	See BL17	
Access/Crane T24	247+20	1.5	15	See BL18	
Access/Crane T24	247+50 right	12.4	24	2'26"	
Access/Crane T24	251+50	1.4	15	See BL19	
Access/Crane T24	254+30 left	1.4	15	N/A	
Access/Crane T24	255+47	1.6	15	See BL20	
Access/Crane T24	265+00	0.4	15	N/A	
Access/Crane T24	270+75	1.0	15	See BL22	
Access/Crane T24	271+75	0.1	15	15	
Access/Crane T24	275+00	0.4	15	See BL23	

CULVERT AND LEVEL SPREADER SIZES WITHOUT BUFFERS

Little Bull Hill West					
Road Name	CL Station	Drainage Area (acres)	Culvert Diameter (in)	Level Spreader Length (ft)	
Access LBH West	706+20	12.4	24	See BL61	
Access LBH West	709+00	0.7	15	See BL62	
Access LBH West	712+80	0.2	15	See BL63	
Access LBH West	715+10	4.4	15	19	
Access LBH West	716+00	11.2	24	See BL64	
Access LBH West	718+83	0.5	15	See BL65	
Access LBH West	723+50	0.3	15	See BL67	
Access LBH West	735+18	0.9	15	N/A	

CULVERT AND LEVEL SPREADER SIZES WITHOUT BUFFERS

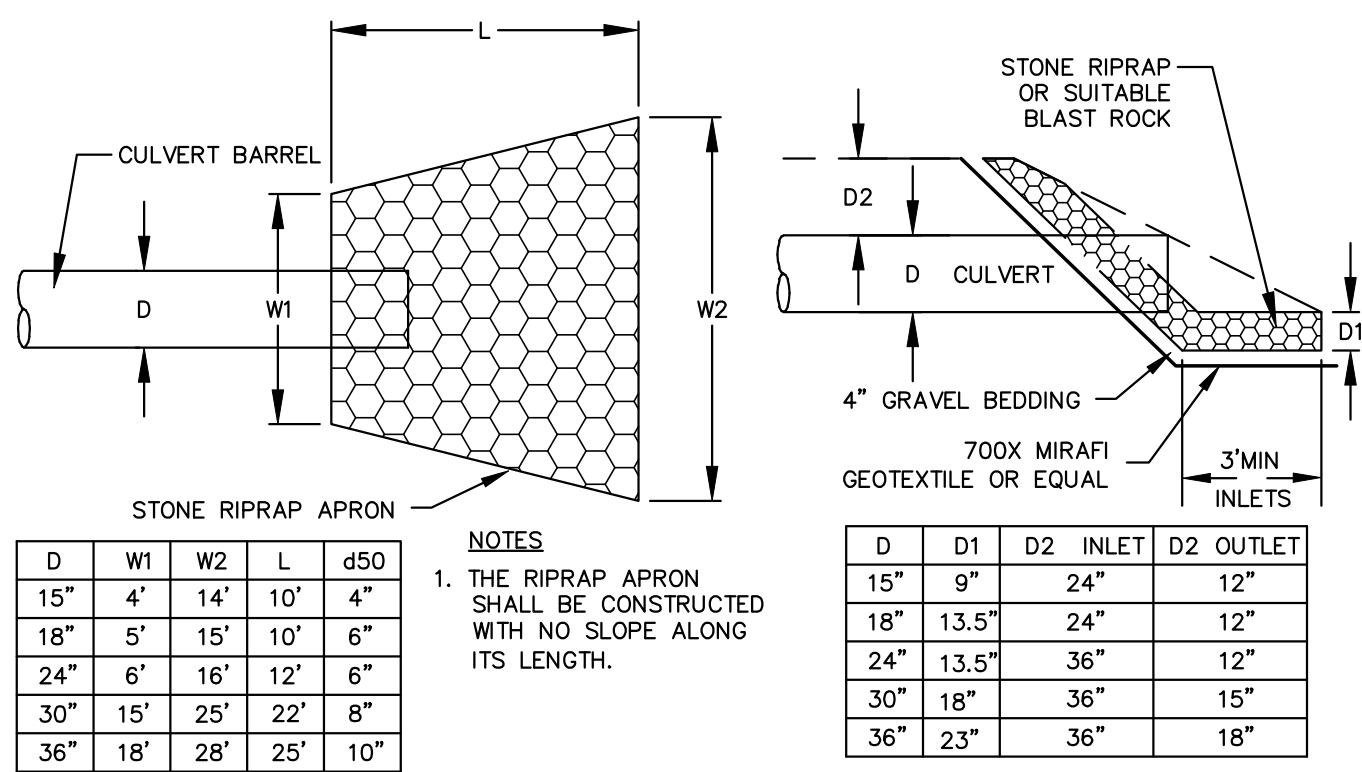
Substation					
Road Name	CL Station	Drainage Area (acres)	Culvert Diameter (in)	Level Spreader Length (ft)	
Access RD	1+43	10.0	24	2-22	
Hancock Access (exit)	0+20	1.2	15	See B29	

STONE BERMED LEVEL LIP SPREADER SIZES WITH BUFFERS

Substation				
BMP Type & #	Roadway Align. or Turbine Site	Berm Length (ft)	Buffer Length (ft)	
B29	Hancock Sub Access	69	150	

STONE BERMED LEVEL LIP SPREADER SIZES WITH BUFFERS

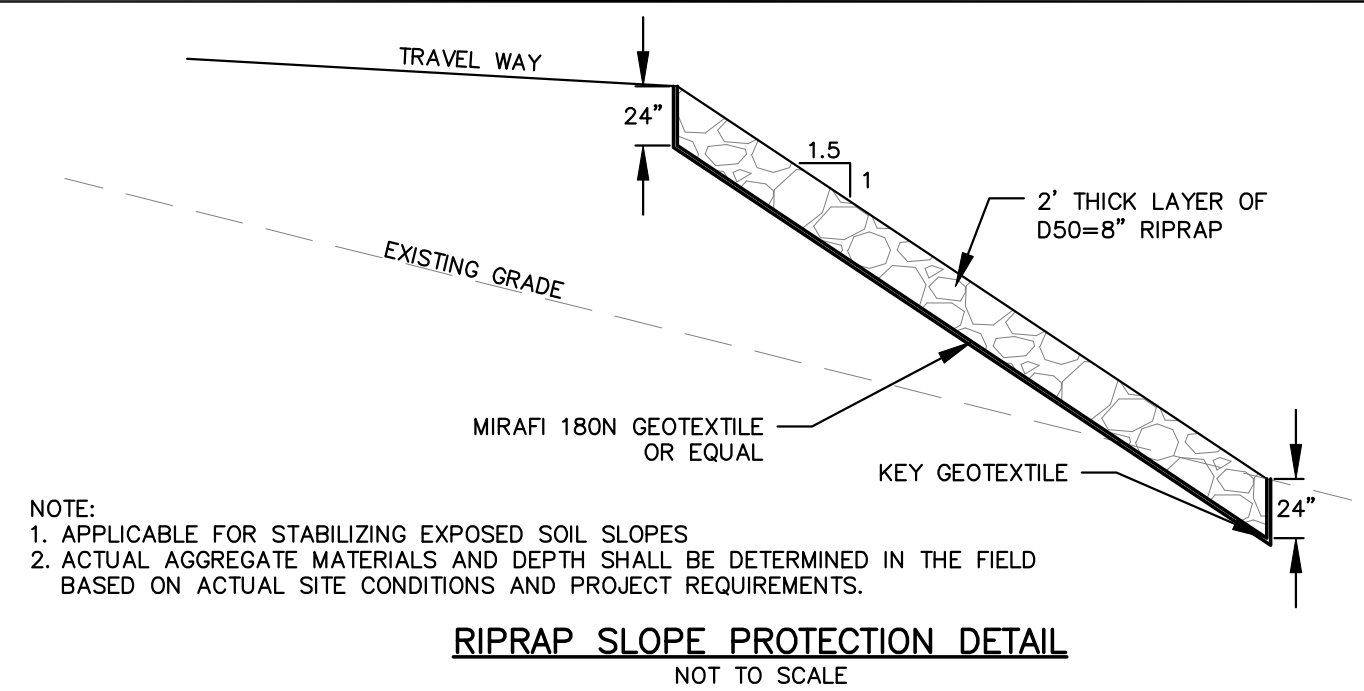
Spec Pond (Eastbrook) Watershed				
BMP Type & #	Roadway Align. or Turbine Site	Berm Length (ft)	Buffer Length (ft)	
BL76	LBH T6	36	100	
BL77	LBH T6	28	133	
BL88	LBH T9	19	100	
BL87	LBH T9	28	133	
BL98	LBH T9	54	133	
BL91				



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

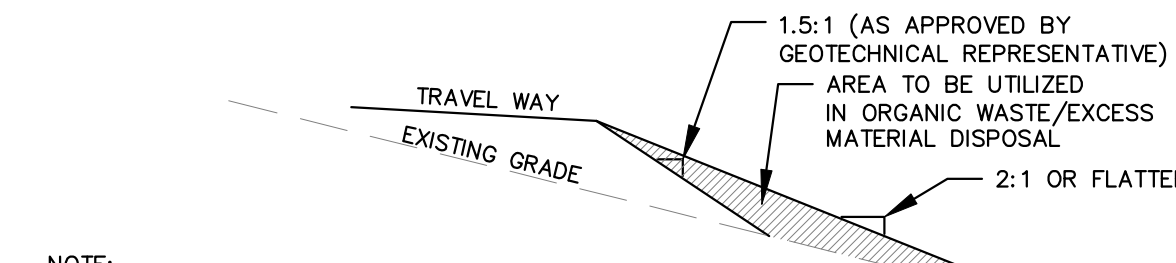
CULVERT OUTLET DETAIL
PLAN VIEW
NOT TO SCALE

CULVERT INLET/OUTLET DETAIL
SECTION VIEW
NOT TO SCALE



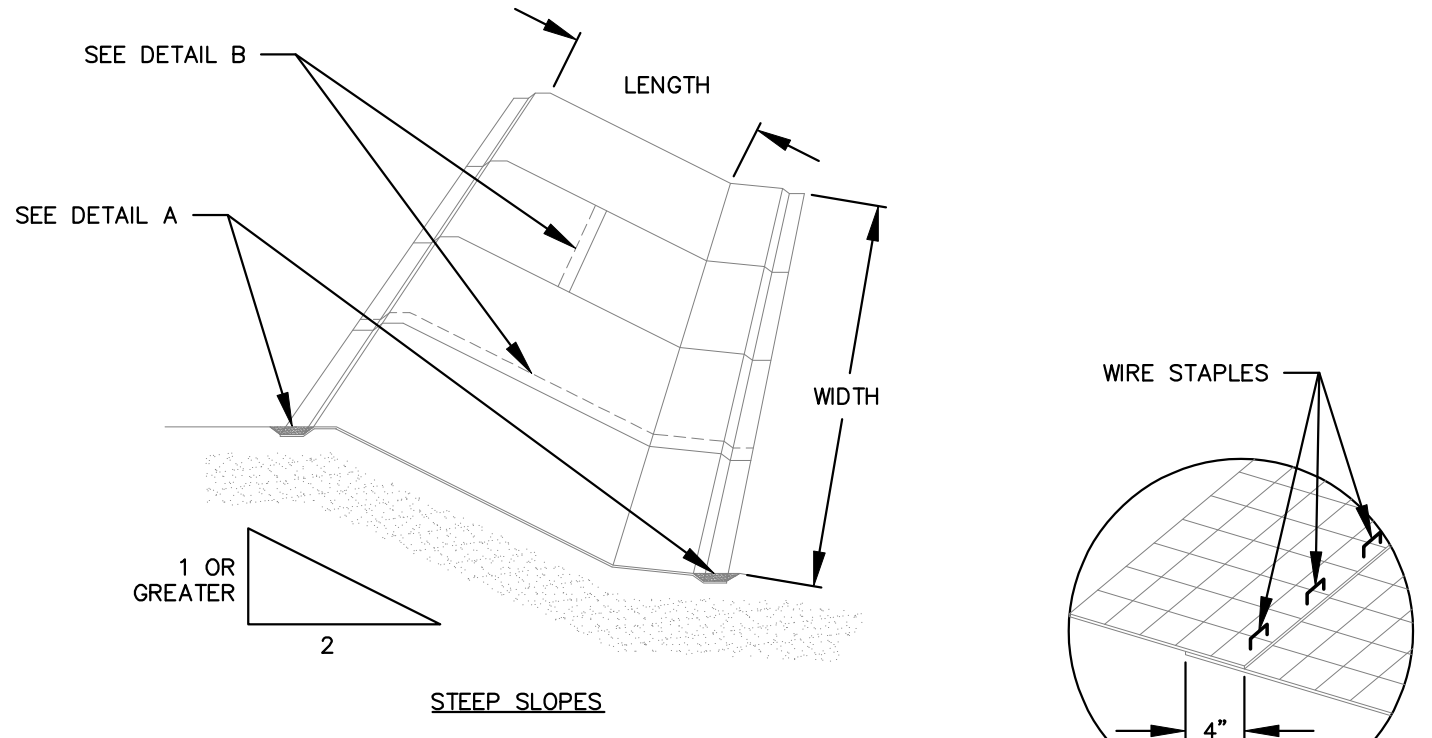
NOTE:
1. APPLICABLE FOR STABILIZING EXPOSED SOIL SLOPES
2. ACTUAL AGGREGATE MATERIALS AND DEPTH SHALL BE DETERMINED IN THE FIELD BASED ON ACTUAL SITE CONDITIONS AND PROJECT REQUIREMENTS.

RIPRAP SLOPE PROTECTION DETAIL
NOT TO SCALE



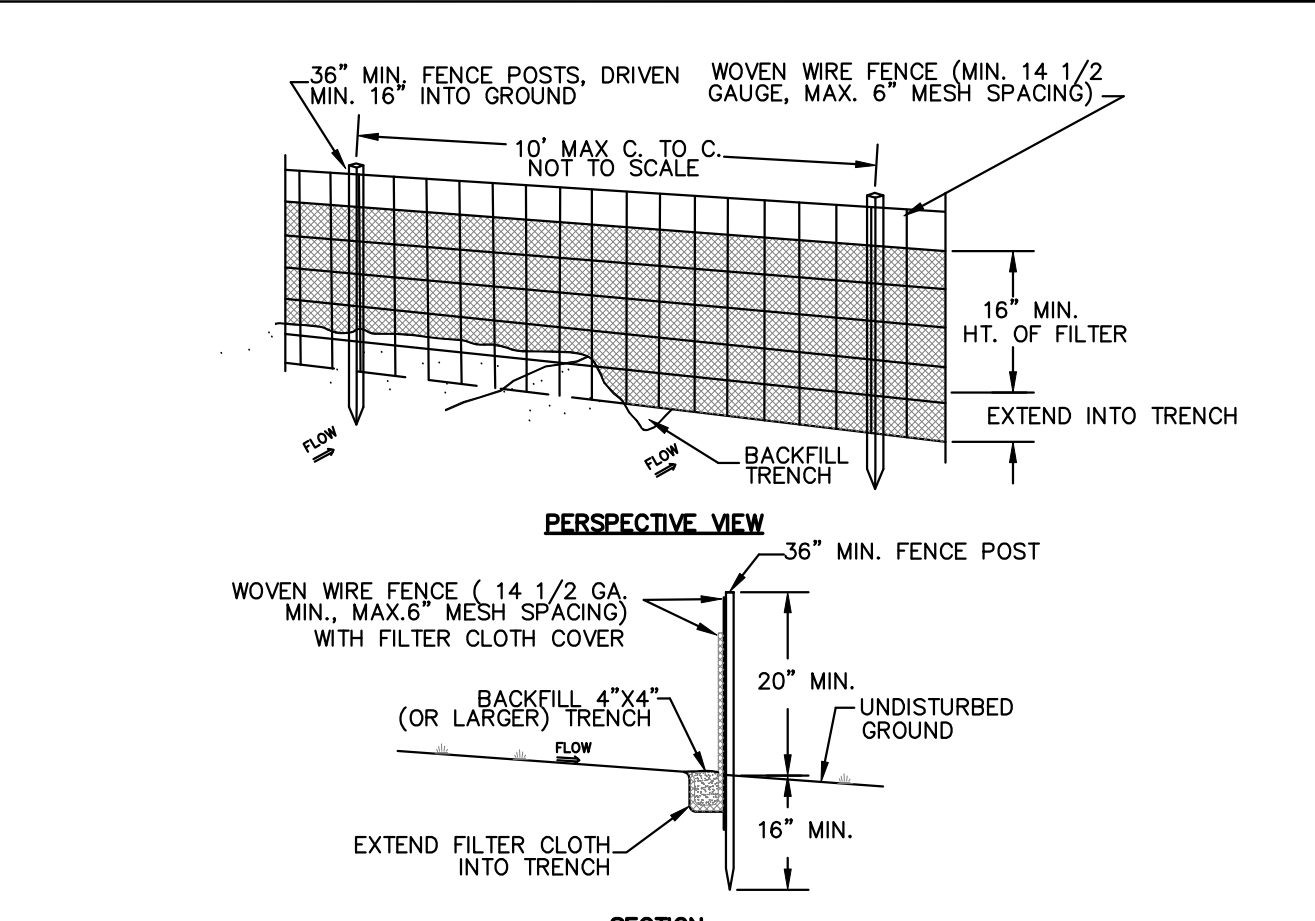
NOTE: DISPOSAL AREA LOCATIONS TO BE APPROVED BY ENGINEER.

ORGANIC/DUFF WASTE DISPOSAL DETAIL
NOT TO SCALE



NOTE: TO BE USED ON SLOPE NOT STABILIZED W/ BLAST ROCK IN CONSULTATION W/ THIRD PARTY INSPECTOR.

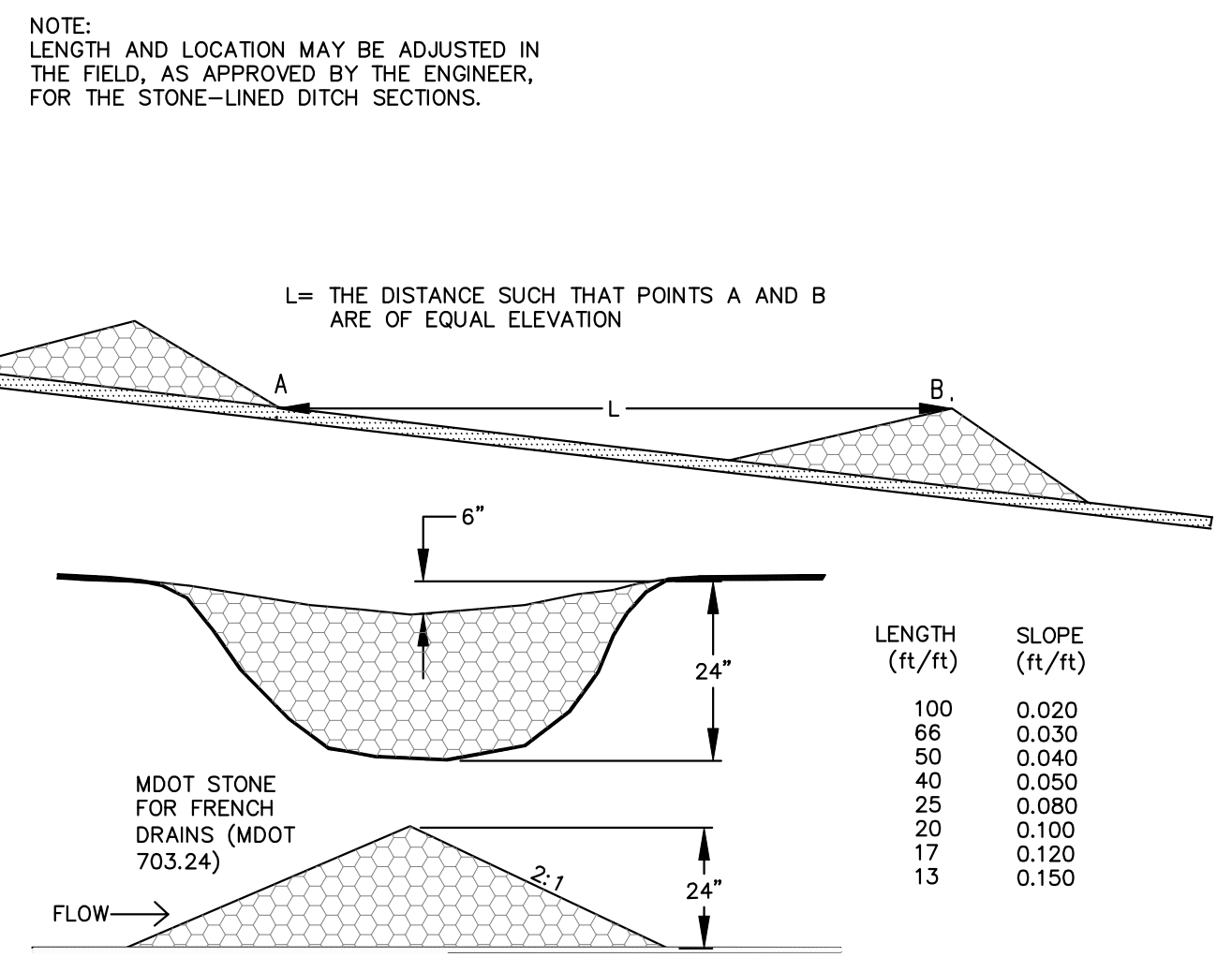
SLOPE APPLICATION-FOR EROSION CONTROL MESH
NOT TO SCALE



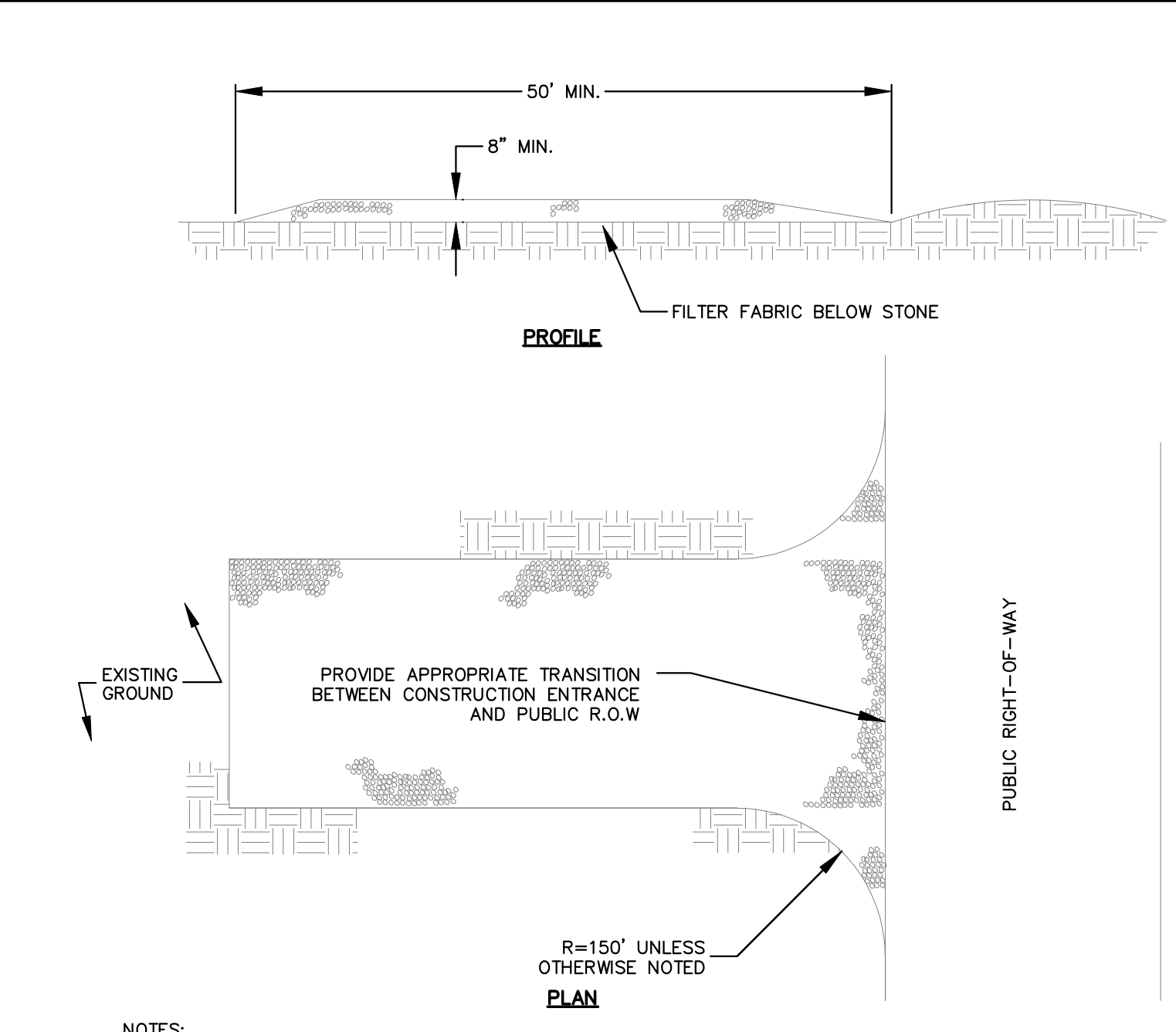
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- NOTE: THE CONTRACTOR HAS THE OPTION TO NOT USE WOVEN WIRE MESH IF STAKE SPACERS ARE REDUCED TO 6' O.C.
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP OF MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - 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 BASED ON ACTUAL SITE CONDITIONS.
 - NO MORE THAN 1/4 ACRE OF DRAINAGE AREA FOR EACH 100 FEET OF FENCING.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFIX 100X, STABI-LINKA T140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

SILT FENCE DETAIL
NOT TO SCALE

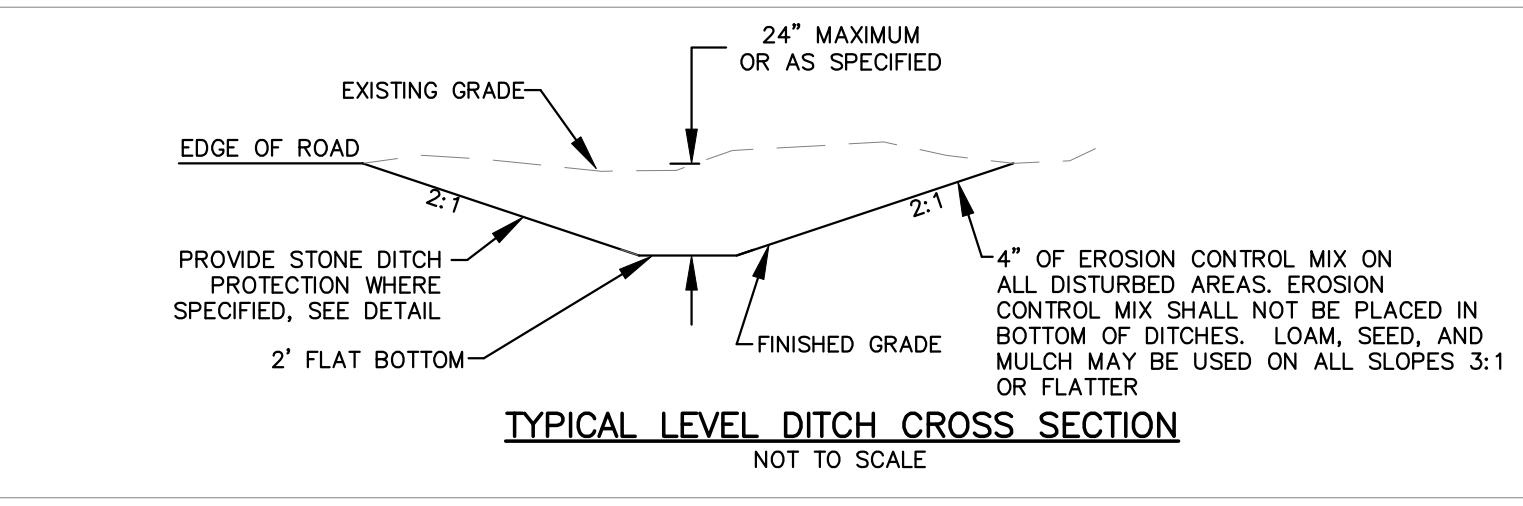


STONE CHECK DAM DETAILS
NOT TO SCALE

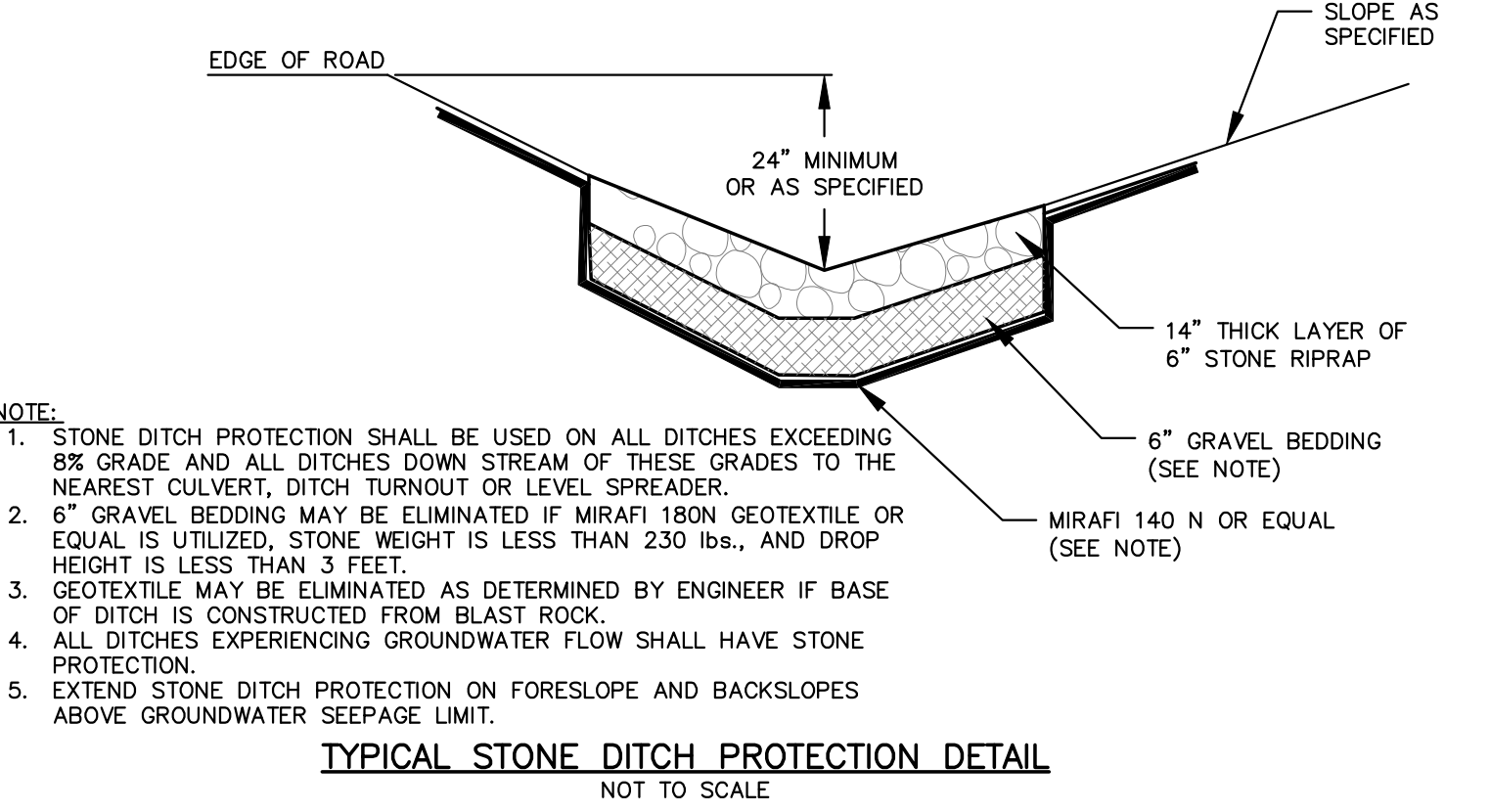


- NOTE:
1. APPROXIMATE STONE SIZE - AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
2. LENGTH - AS SHOWN ON GRADING PLAN, MIN. 50 FEET.
3. THICKNESS - APPROXIMATELY EIGHT (8) INCHES (MINIMUM).
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. MAINTENANCE - 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

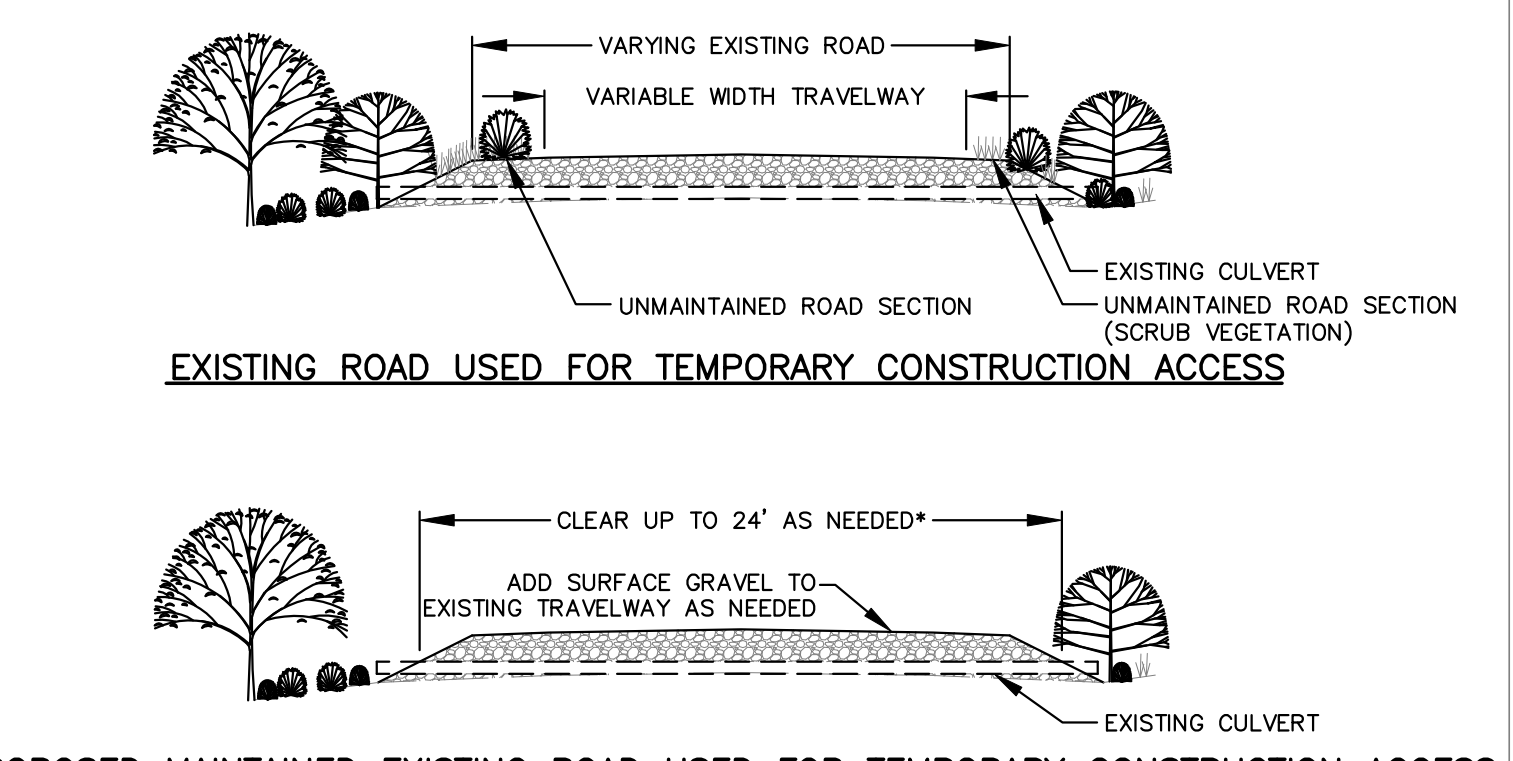


TYPICAL LEVEL DITCH CROSS SECTION
NOT TO SCALE

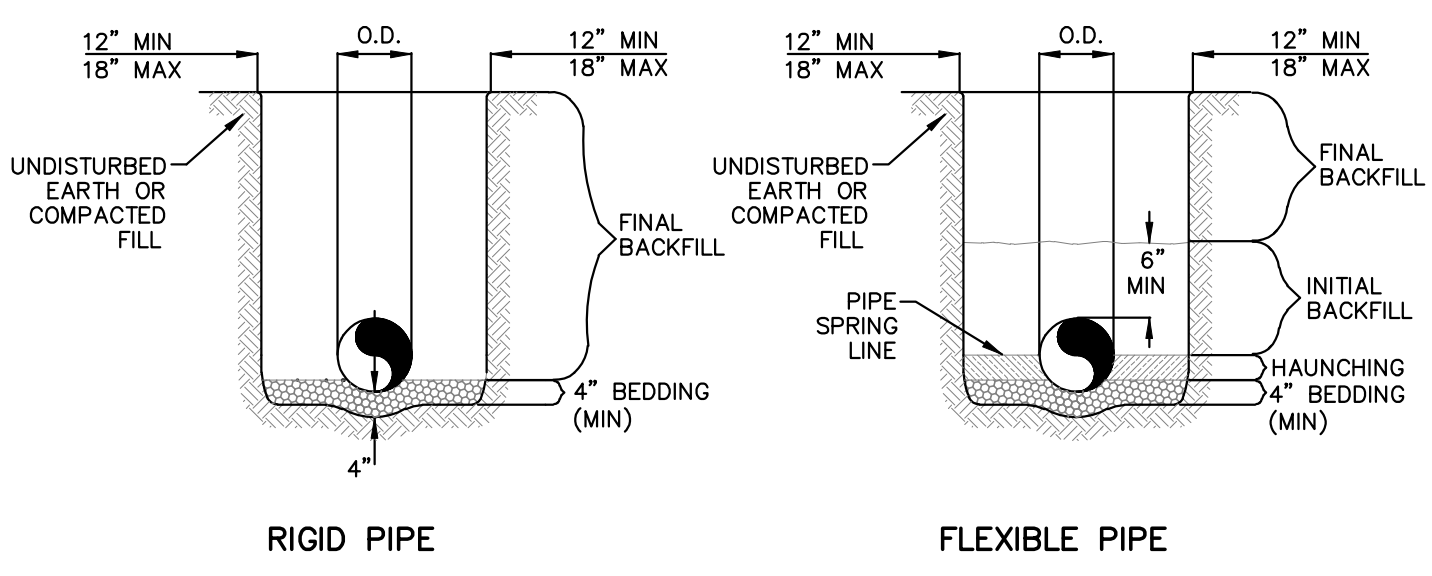


- NOTE:
1. STONE DITCH PROTECTION SHALL BE USED ON ALL DITCHES EXCEEDING 8X GRADE AND ALL DITCHES DOWN STREAM OF THESE GRADES TO THE NEAREST CULVERT, DITCH TURNOUT OR LEVEL SPREADER.
2. 6" GRAVEL BEDDING MAY BE ELIMINATED IF MIRAFIX 180N GEOTEXTILE OR EQUAL IS UTILIZED, STONE WEIGHT IS LESS THAN 230 LBS., AND DROP HEIGHT IS LESS THAN 3 FEET.
3. GEOTEXTILE MAY BE ELIMINATED AS DETERMINED BY ENGINEER IF BASE OF DITCH IS CONSTRUCTED FROM BLAST ROCK.
4. ALL DITCHES EXPERIENCING GROUNDWATER FLOW SHALL HAVE STONE PROTECTION.
5. EXTEND STONE DITCH PROTECTION ON FORESLOPE AND BACKSLOPES ABOVE GROUNDWATER SEEPAGE LIMIT.

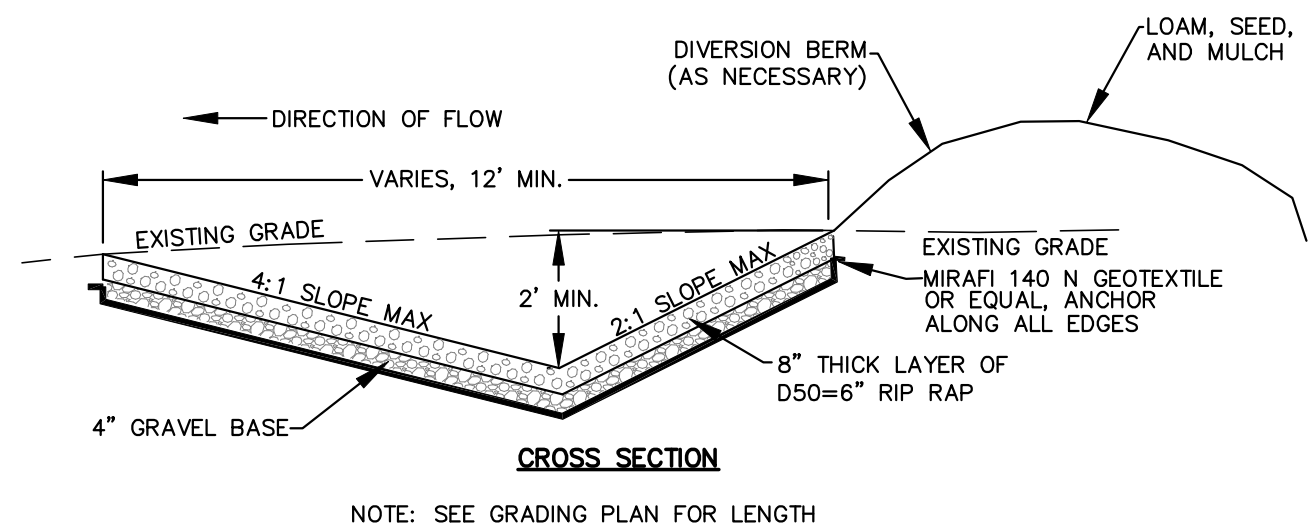
TYPICAL STONE DITCH PROTECTION DETAIL
NOT TO SCALE



EXISTING ROAD RECONSTRUCTION
NOT TO SCALE

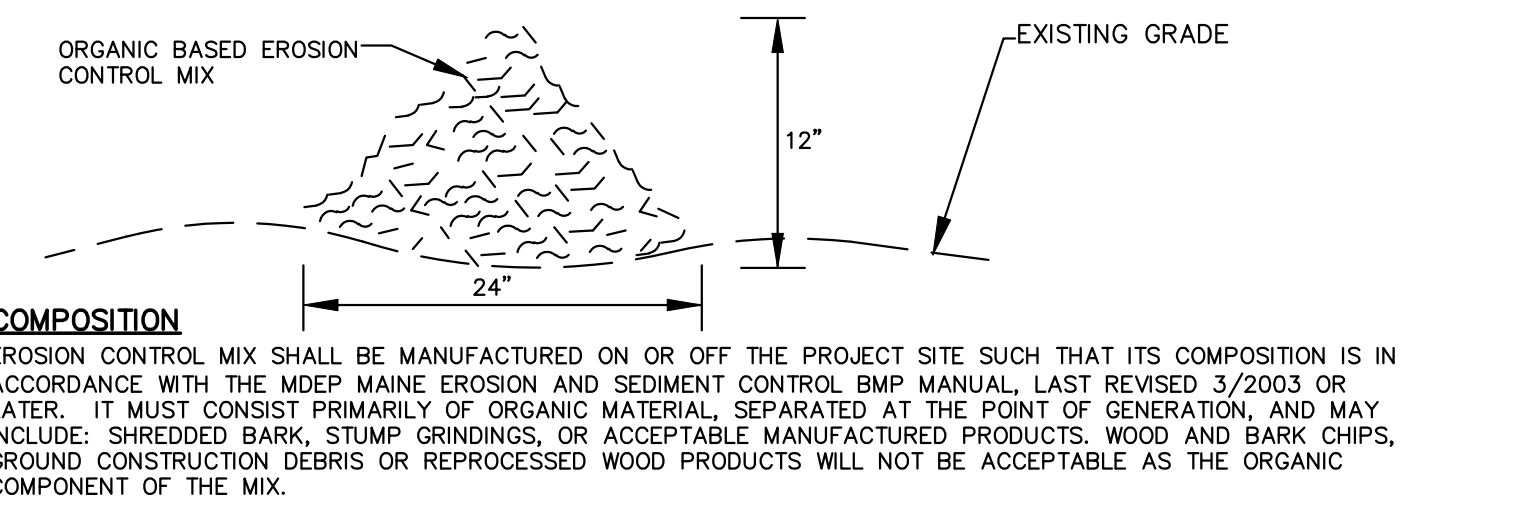


STORM DRAIN TRENCH AND BEDDING
NOT TO SCALE



TYPICAL LEVEL SPREADER
NOT TO SCALE

- LEVEL SPREADER NOTES**
- ALL LEVEL SPREADERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION.
 - ALL LEVEL SPREADERS SHALL BE CONSTRUCTED IN A CUT SECTION, I.E. THERE SHALL BE NO EARTH FILL ALONG DOWNSTREAM EDGE.
 - ALL LEVEL SPREADERS SHALL BE ALIGNED PARALLEL TO THE EXISTING CONTOURS.
 - THE ENTRANCE DITCH TO THE LEVEL SPREADER SHALL HAVE A MAXIMUM GRADE OF 1.0% FOR AT LEAST 50 FEET IMMEDIATELY PRIOR TO ENTERING THE SPREADER.
 - THE LEVEL SPREADER SHALL HAVE A LONGITUDINAL GRADE OF 0.0%
 - LEVEL SPREADERS SHOWN ON THE PLANS ARE SYMBOLIC. LOCATION AND ORIENTATION OF LEVEL SPREADERS SHALL BE FIELD DETERMINED BASED ON ACTUAL SITE CONDITIONS.



EROSION CONTROL MIX BERM
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 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:**
- THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.
 - 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.
 - 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.
 - 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.
 - EROSION CONTROL MIX BERMS SHOWN ON THE PLANS ARE SYMBOLIC. LOCATION AND ORIENTATION SHALL BE FIELD DETERMINED BASED ON ACTUAL SITE CONDITIONS.

WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
PORTLAND, ME
EASTBROOK, OSBORN, T16MD, MAINE

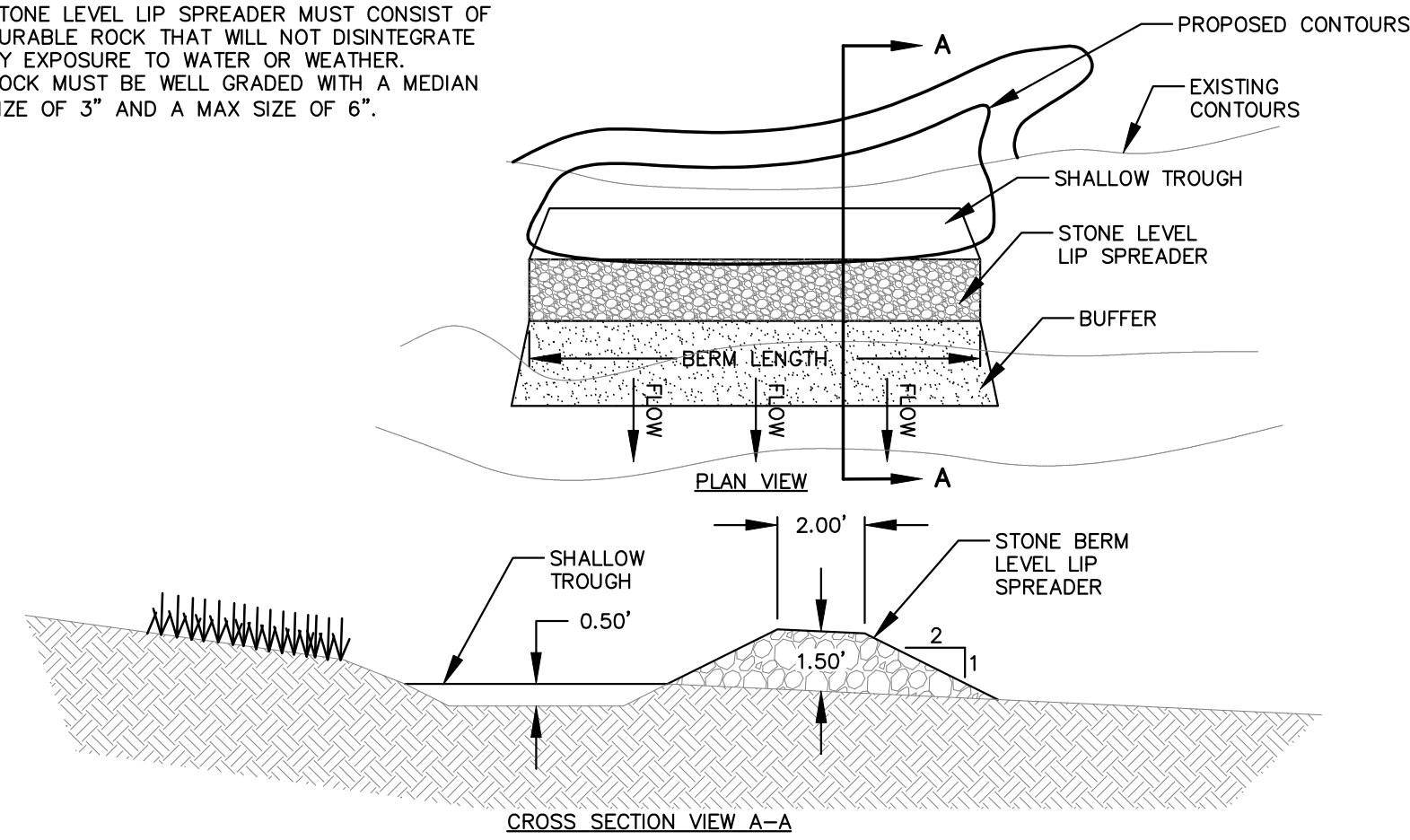
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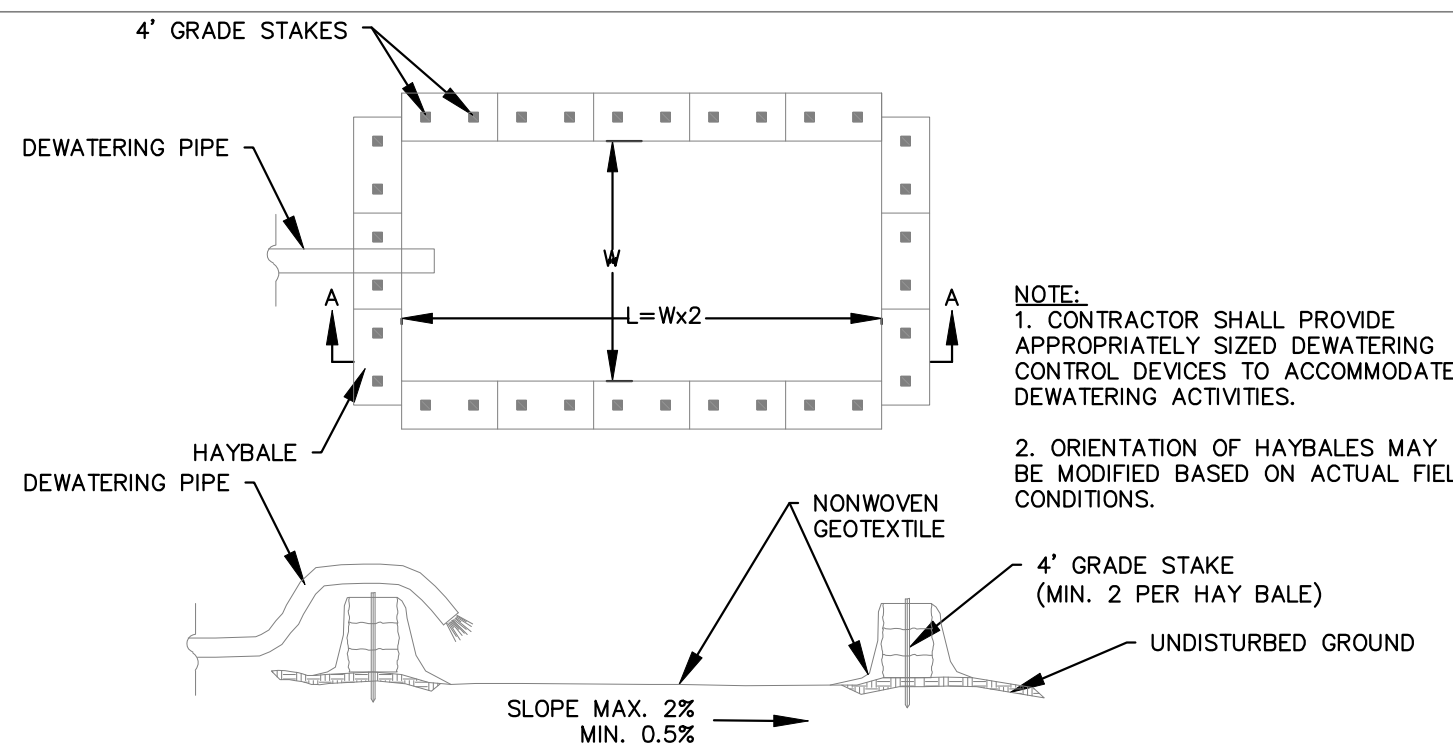
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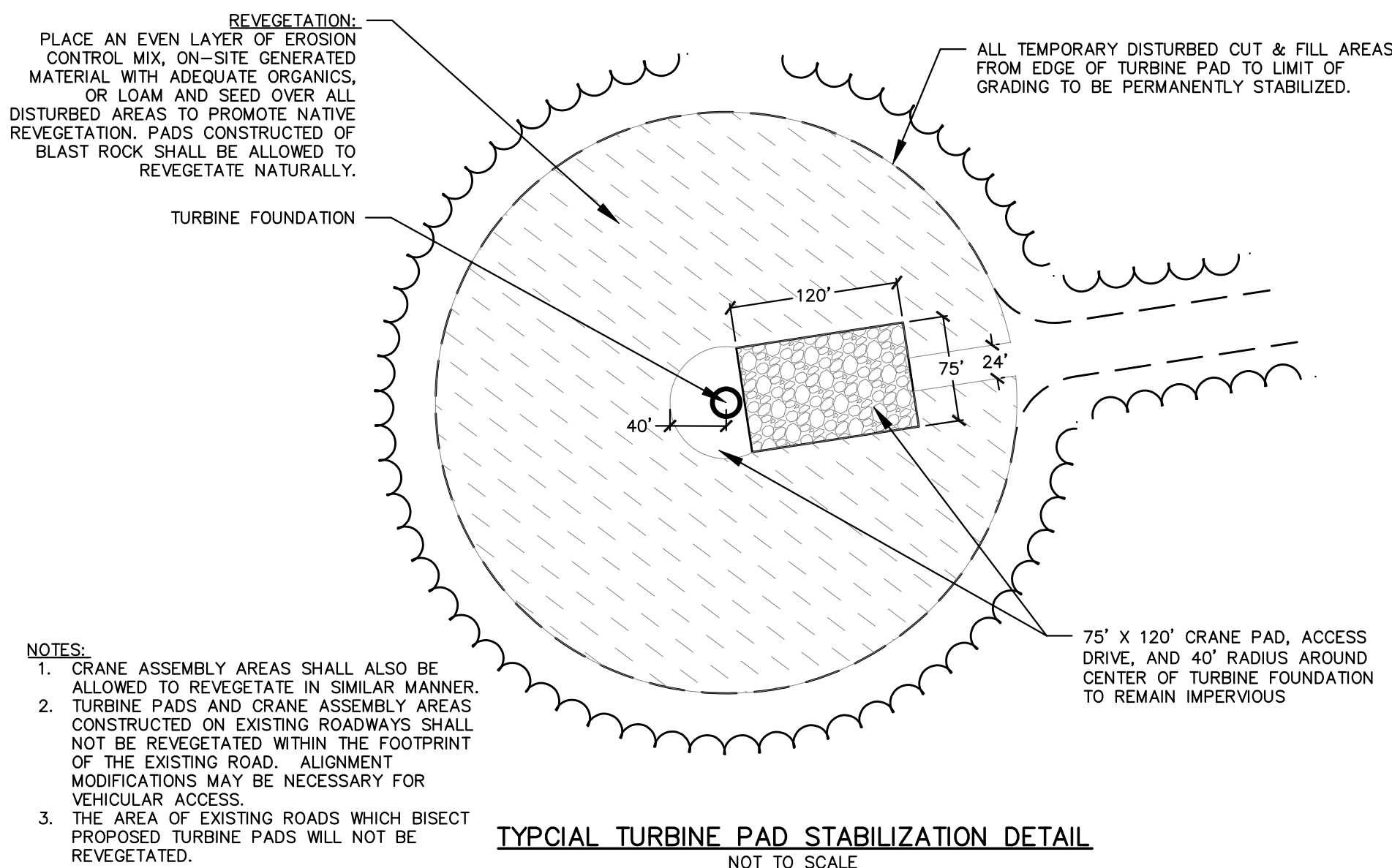
- NOTE:
 1. STONE LEVEL LIP SPREADER MUST CONSIST OF DURABLE ROCK THAT WILL NOT DISINTEGRATE BY EXPOSURE TO WATER OR WEATHER.
 2. ROCK MUST BE WELL GRADED WITH A MEDIAN SIZE OF 3" AND A MAX SIZE OF 6".



STONED BERMED LEVEL LIP SPREADER DETAIL
NOT TO SCALE

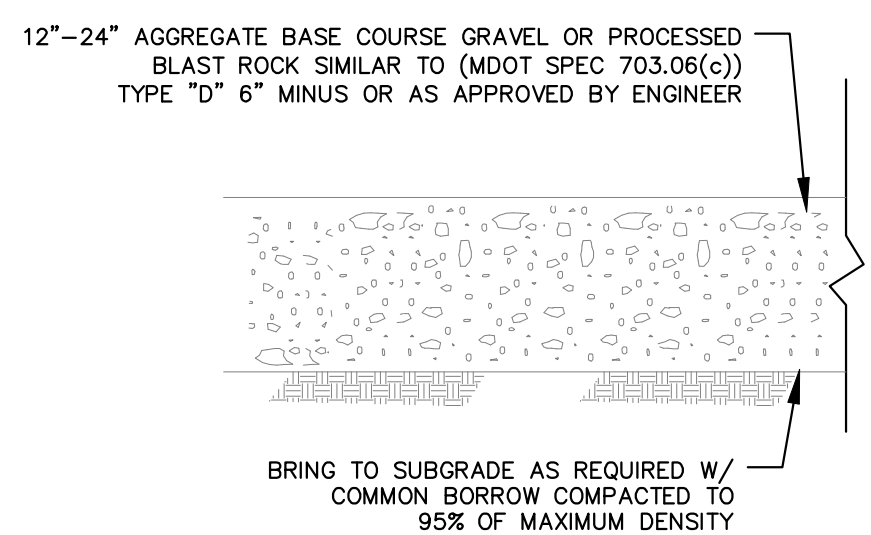


TEMPORARY DEWATERING SEDIMENT BASIN
NOT TO SCALE

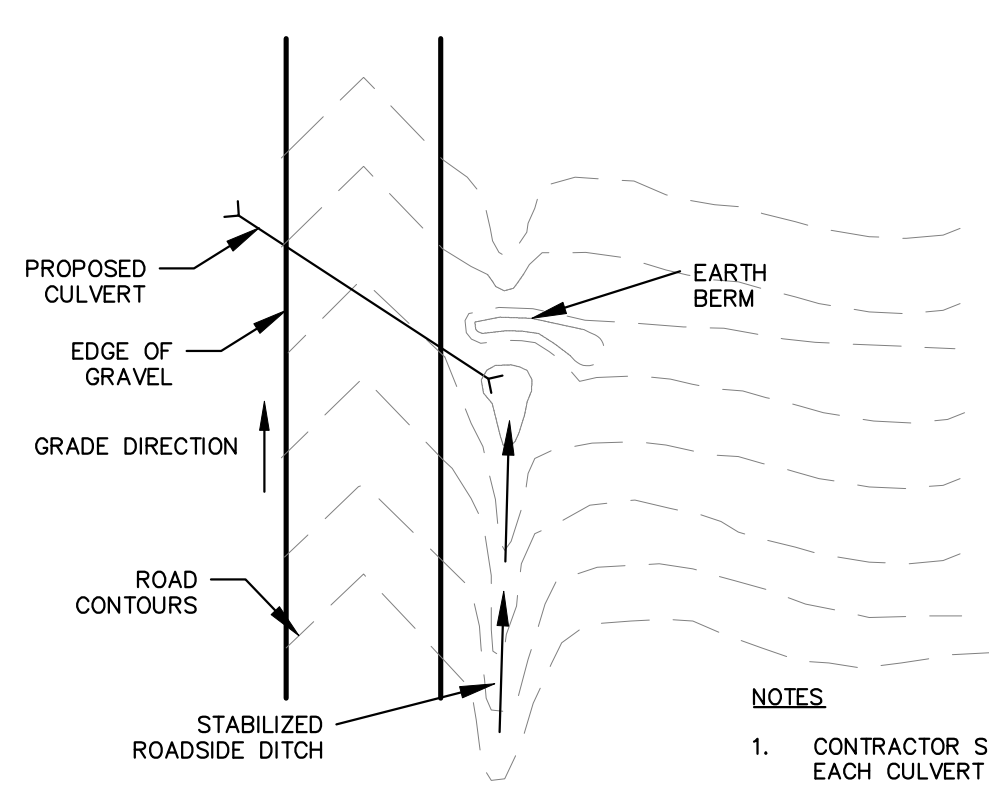


TYPICAL TURBINE PAD STABILIZATION DETAIL
NOT TO SCALE

- NOTE:
 1. COMPACT GRAVEL BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.
 2. ALL CRANE PADS SHALL BE CONSTRUCTED WITH NO CROSS SLOPE IN ANY DIRECTION.
 3. CRANE PADS SHALL BE 75'x120' (MINIMUM). EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY GENERAL CONTRACTOR.
 4. ACTUAL AGGREGATE MATERIALS AND DEPTH SHALL BE DETERMINED IN THE FIELD BASED ON ACTUAL SITE CONDITIONS AND REQUIREMENTS, AS APPROVED BY GEOTECHNICAL REPRESENTATIVE.

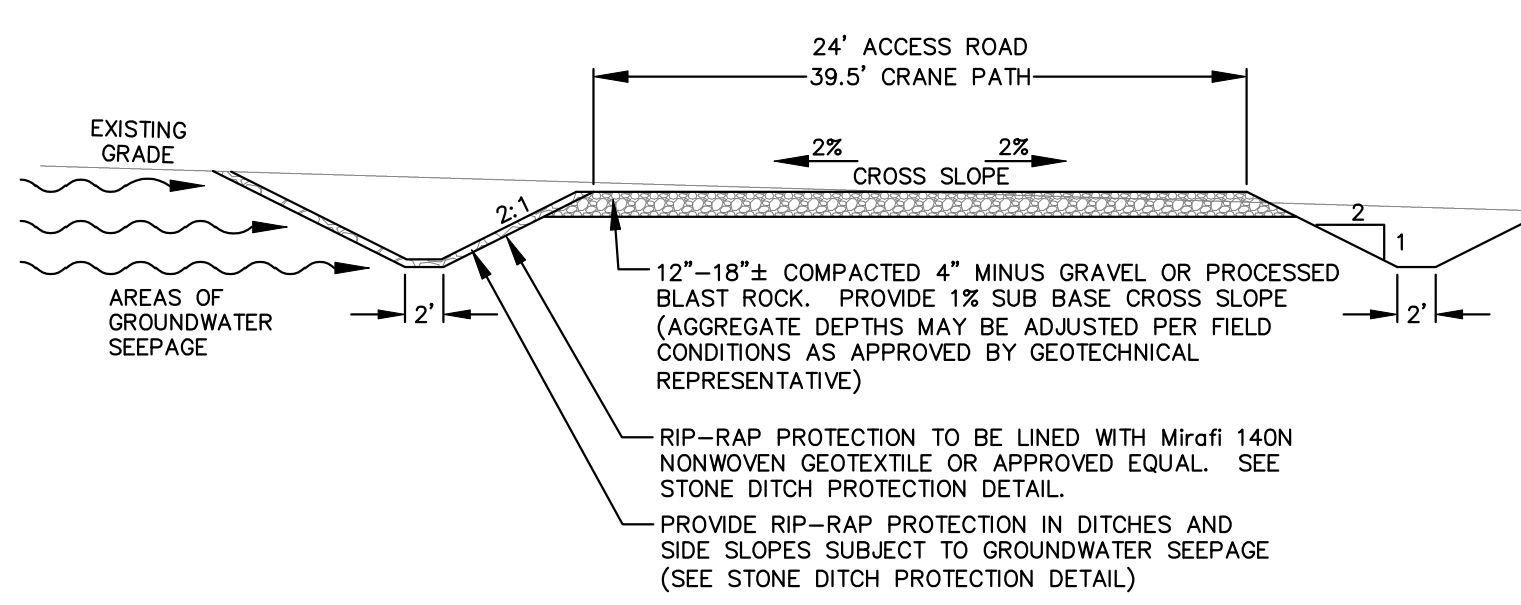


TYPICAL GRAVEL CRANE PAD SECTION
NOT TO SCALE

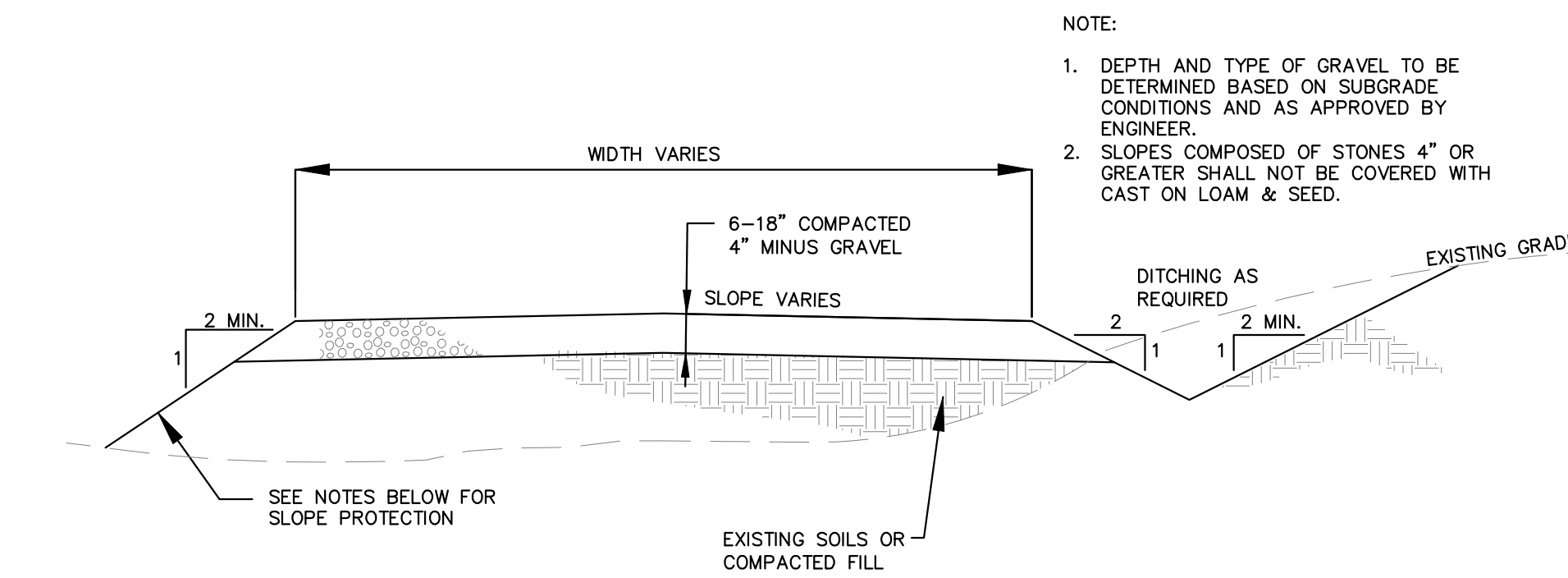


BERMED CULVERT INLET DETAIL
NOT TO SCALE

- NOTE:
 1. CONTRACTOR SHALL CONSTRUCT BERM AT EACH CULVERT INLET TO DIRECT DITCH FLOW INTO CULVERT.
 2. CONTRACTOR SHALL LOWER INVERT ELEVATION AS APPROPRIATE TO MAINTAIN COVER BETWEEN CROSS CULVERTS, ROADWAY, AND DITCH ON OPPOSITE SIDE OF ROAD.

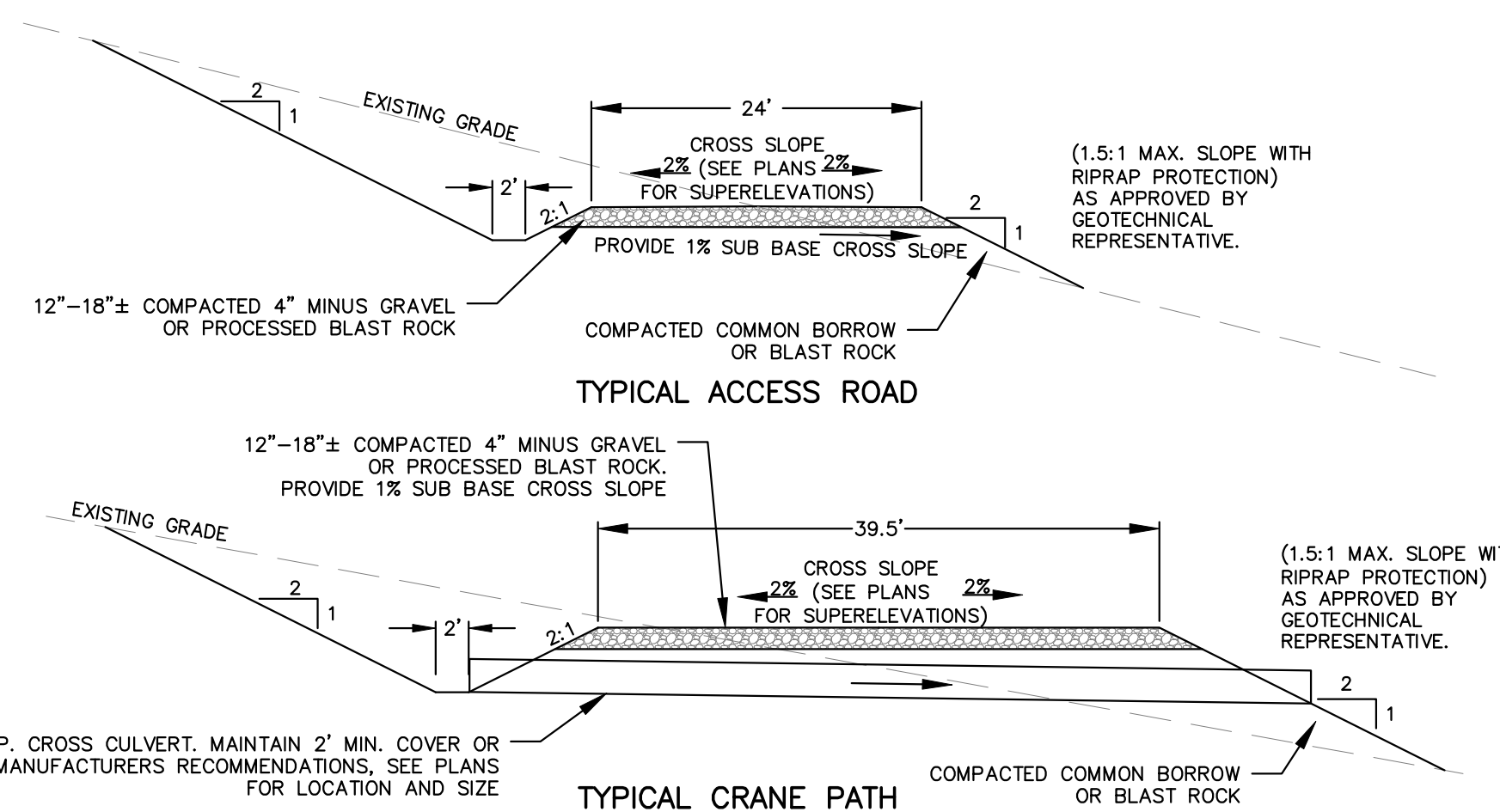


TYPICAL ROAD DETAIL IN CUT SECTION
NOT TO SCALE



TYPICAL TURBINE PAD

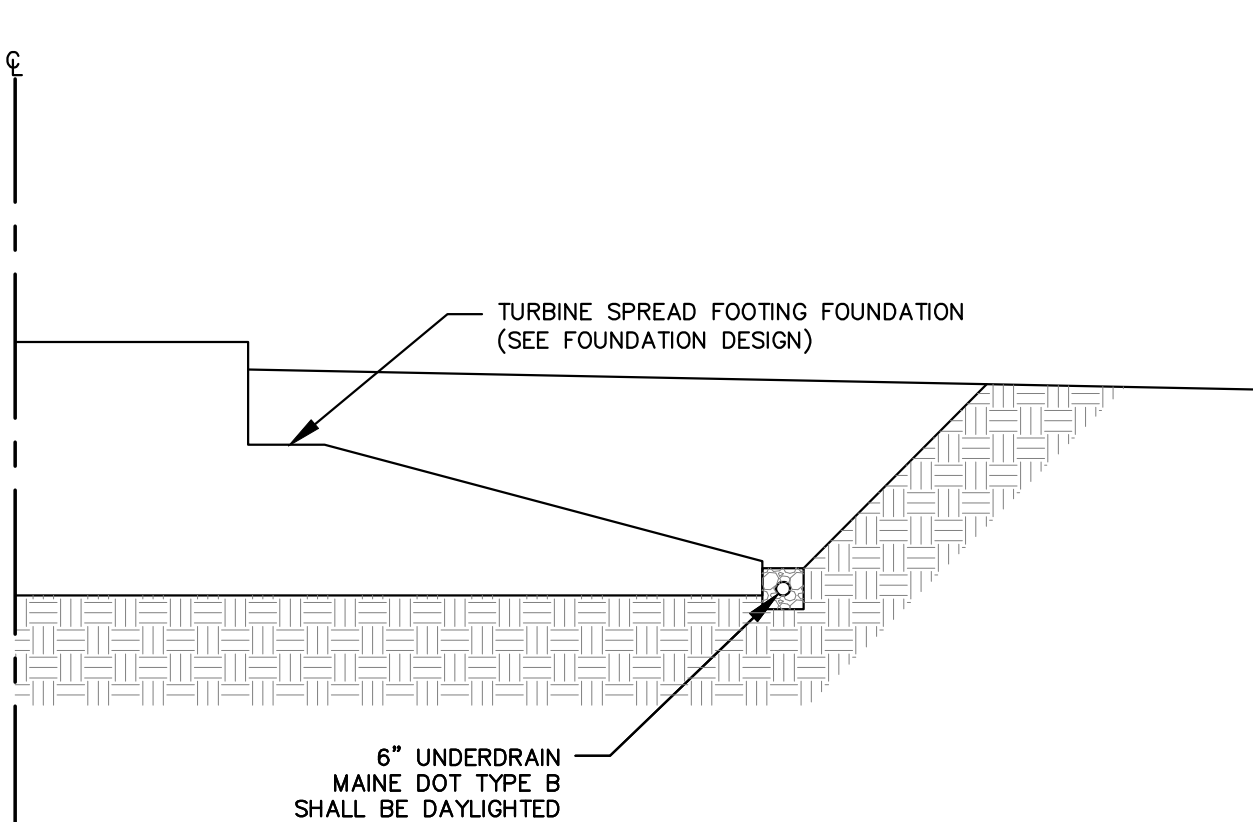
- NOTE:
 1. DEPTH AND TYPE OF GRAVEL TO BE DETERMINED BASED ON SUBGRADE CONDITIONS AND AS APPROVED BY ENGINEER.
 2. SLOPES COMPOSED OF STONES 4" OR GREATER SHALL NOT BE COVERED WITH CAST ON LOAM & SEED.



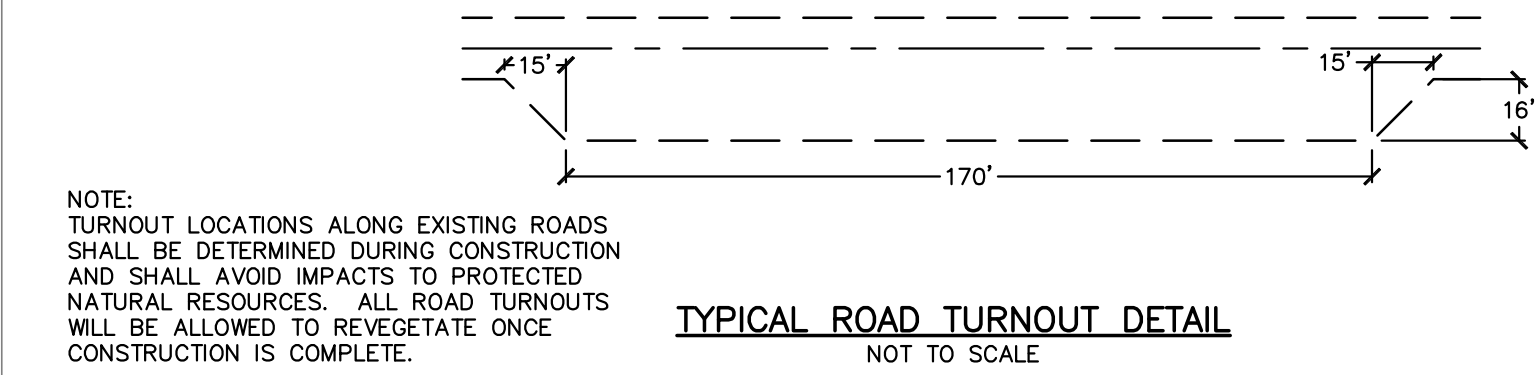
TYPICAL ACCESS ROAD

- NOTE:
 1. 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 8%.
 2. 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:
 1. 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 BUT GRUBBING IS NOT REQUIRED.
 2. 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/RIPRAP. SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH RIPRAP OR SUITABLE BLAST ROCK.
 3. BENCH EXISTING GROUND AS NECESSARY TO STABILIZE EXTENSION.
- CUT AREAS:
 1. 1:4 CUT FACES ARE PERMITTED IN AREAS OF ROCK EXCAVATION ONLY AS APPROVED BY ENGINEER.
 2. 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

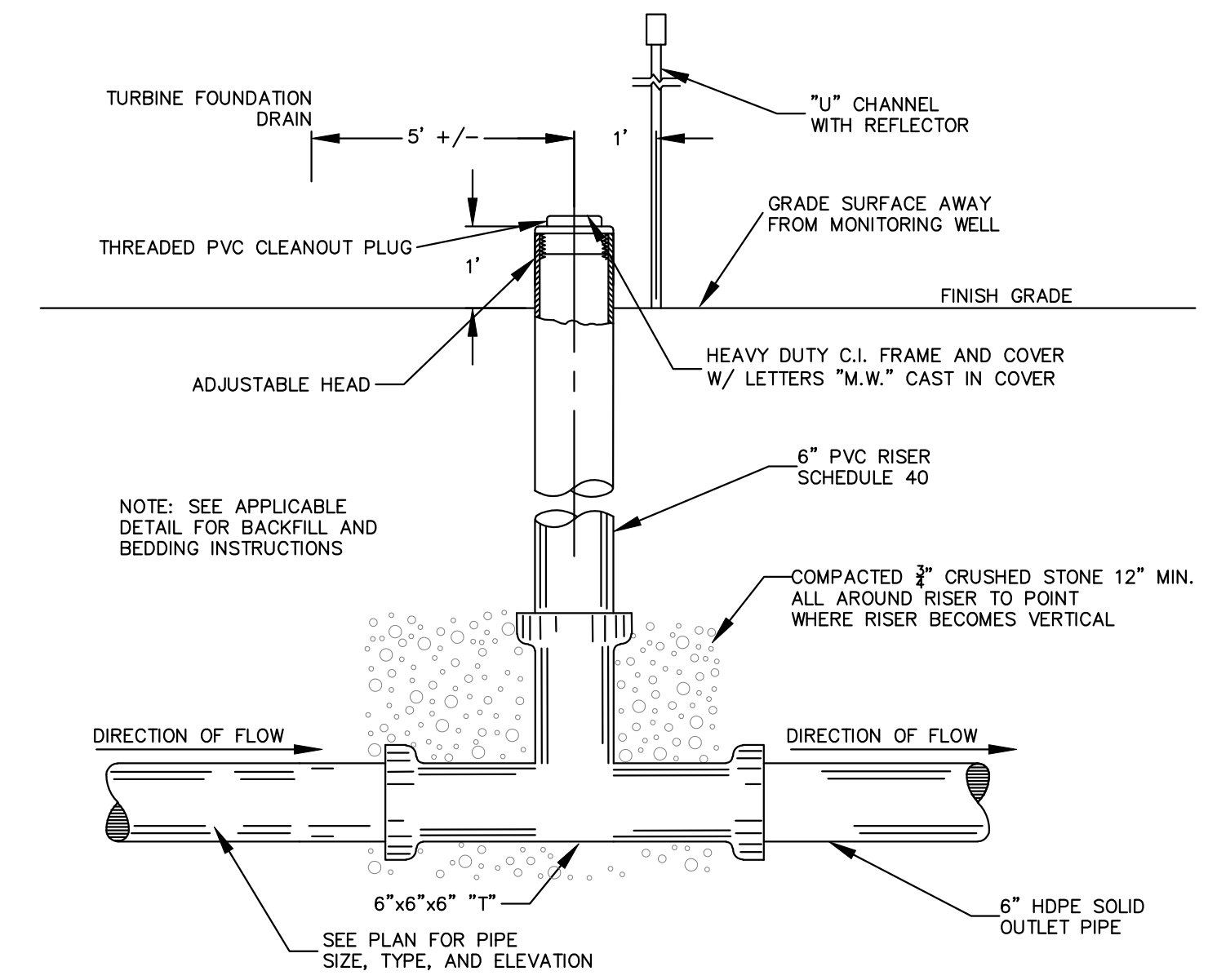


UNDERDRAIN AT SPREAD FOOTING: TYPICAL SECTION
NOT TO SCALE



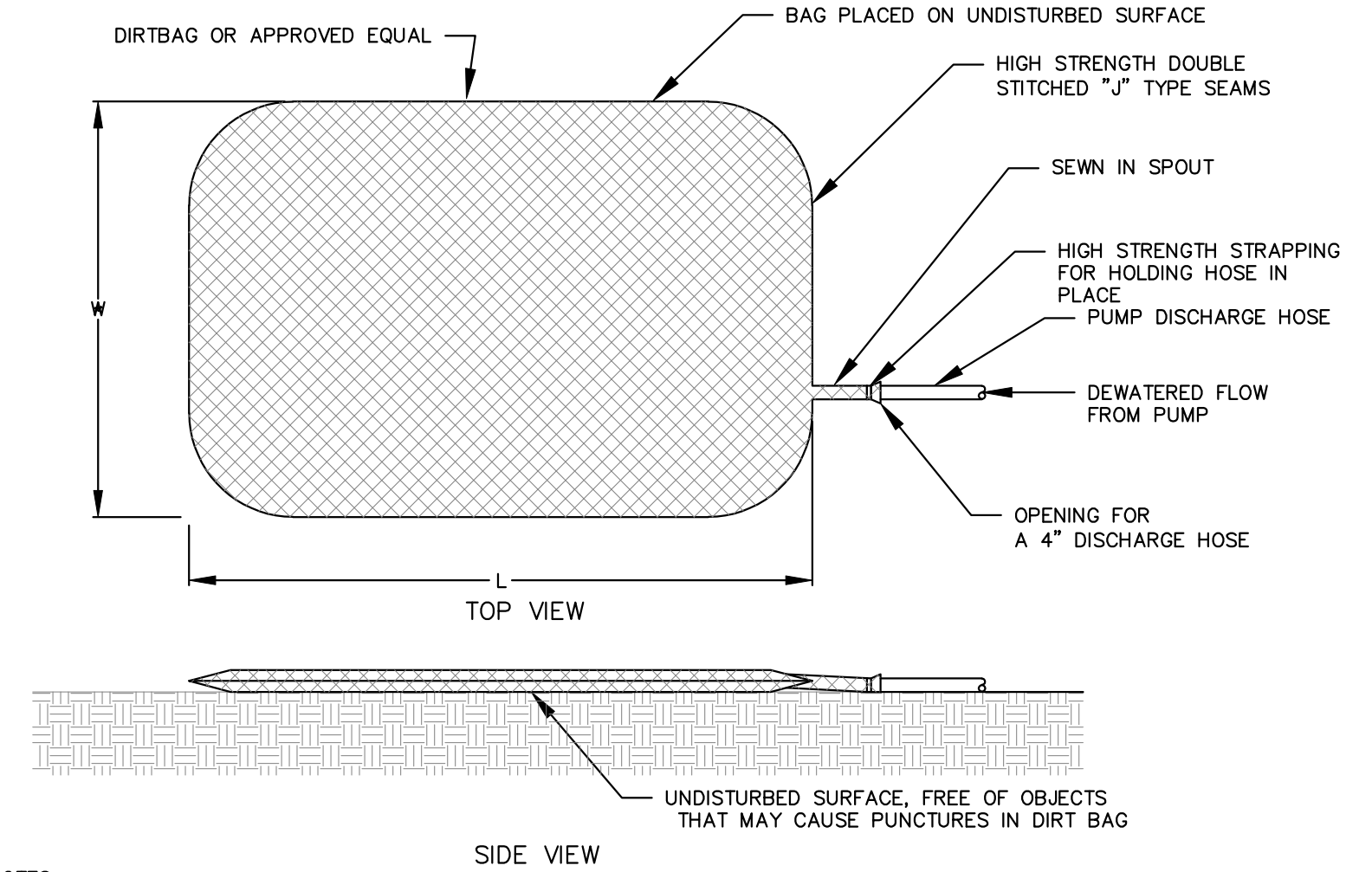
TYPICAL ROAD TURNOUT DETAIL
NOT TO SCALE

- NOTE:
 TURNOUT LOCATIONS ALONG EXISTING ROADS SHALL BE DETERMINED DURING CONSTRUCTION AND SHALL AVOID IMPACTS TO PROTECTED NATURAL RESOURCES. ALL ROAD TURNOUTS WILL BE ALLOWED TO REVEGETATE ONCE CONSTRUCTION IS COMPLETE.



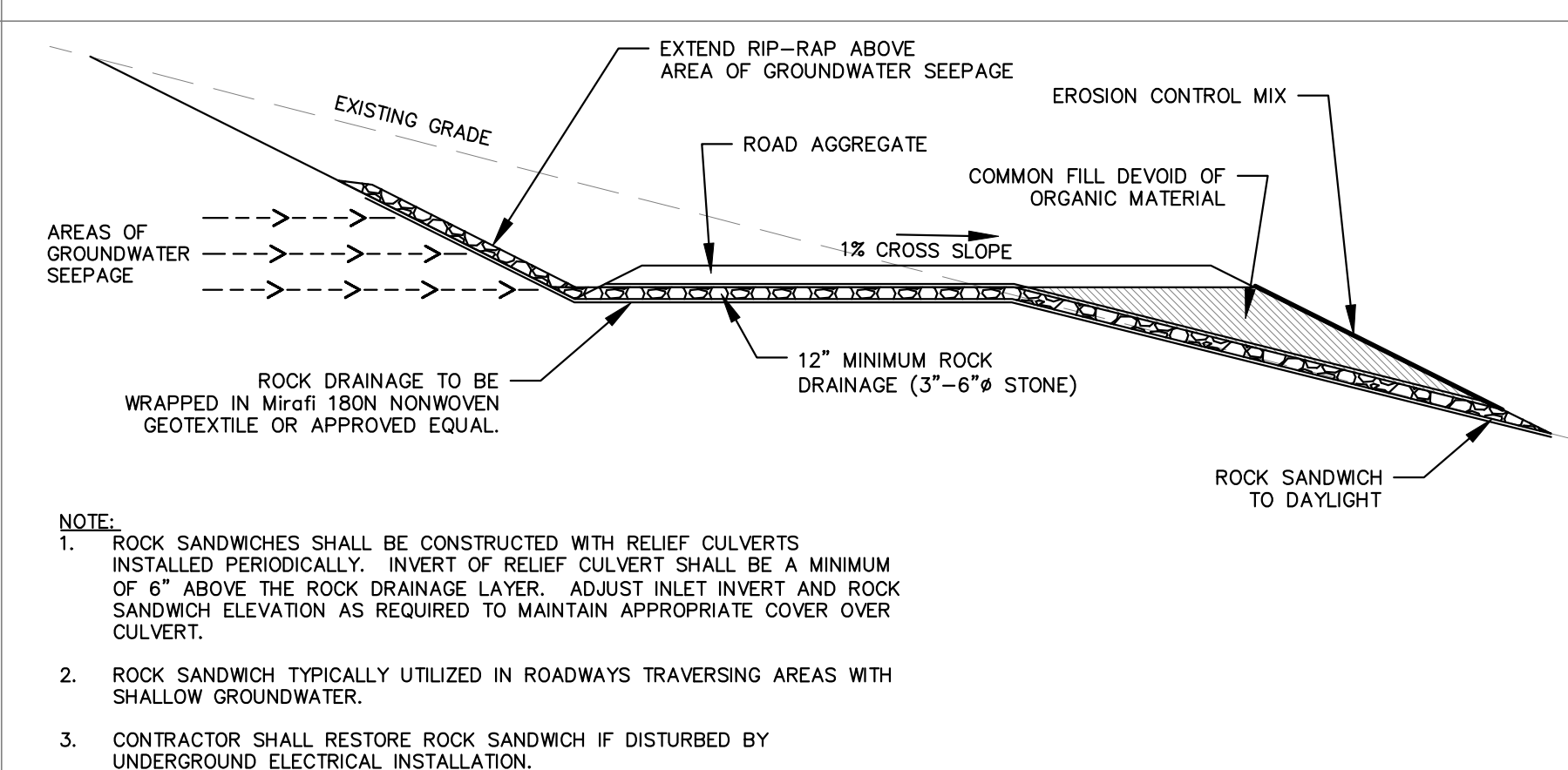
FOUNDATION DRAIN MONITORING WELL DETAIL
NOT TO SCALE

- NOTE: PROVIDE 2" THICK BY 4" SQUARE RIGID INSULATION WITH PIPE SLEEVE CUT OUT 18" BELOW FINISH GRADE. CONTRACTOR TO PROVIDE APPROPRIATE FITTING FOR 6" PVC AND 6" HDPE CONNECTION.



DIRT BAG DETAIL
NOT TO SCALE

- NOTE:
 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.



TYPICAL ROCK SANDWICH DETAIL
NOT TO SCALE

- NOTE:
 1. ROCK SANDWICHES SHALL BE CONSTRUCTED WITH RELIEF CULVERTS INSTALLED PERIODICALLY. INVERT OF RELIEF CULVERT SHALL BE A MINIMUM OF 6" ABOVE THE ROCK DRAINAGE LAYER. ADJUST INLET INVERT AND ROCK SANDWICH ELEVATION AS REQUIRED TO MAINTAIN APPROPRIATE COVER OVER CULVERT.
 2. ROCK SANDWICH TYPICALLY UTILIZED IN ROADWAYS TRaversing AREAS WITH SHALLOW GROUNDWATER.
 3. CONTRACTOR SHALL RESTORE ROCK SANDWICH IF DISTURBED BY UNDERGROUND ELECTRICAL INSTALLATION.

Drawn By	JAO/NT
Checked By	JAO
Project No.	84176E
Project Location	129 MIDDLE STREET PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE
Scale	NTS
Approved	JAO
Drawn Description	DETAILS

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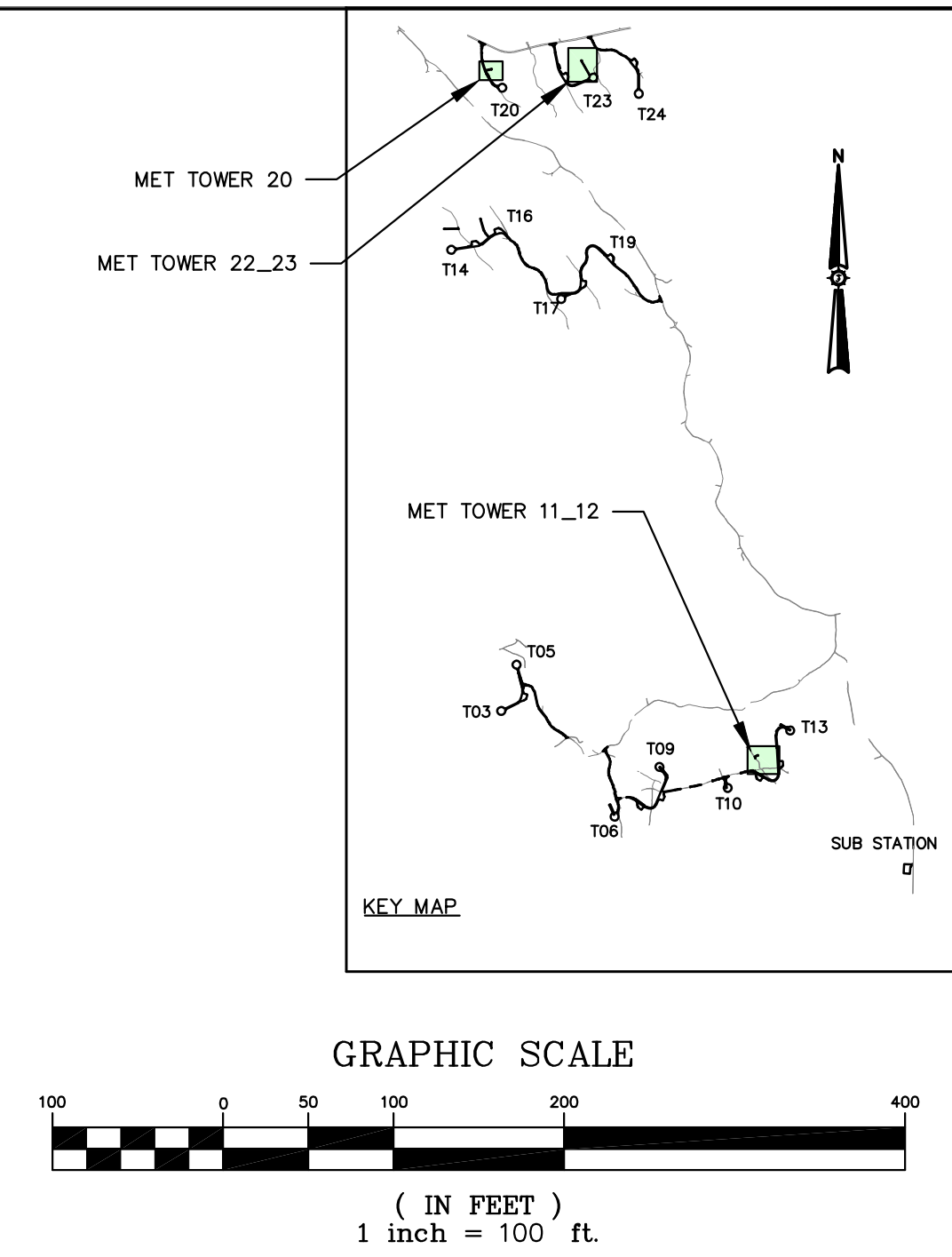
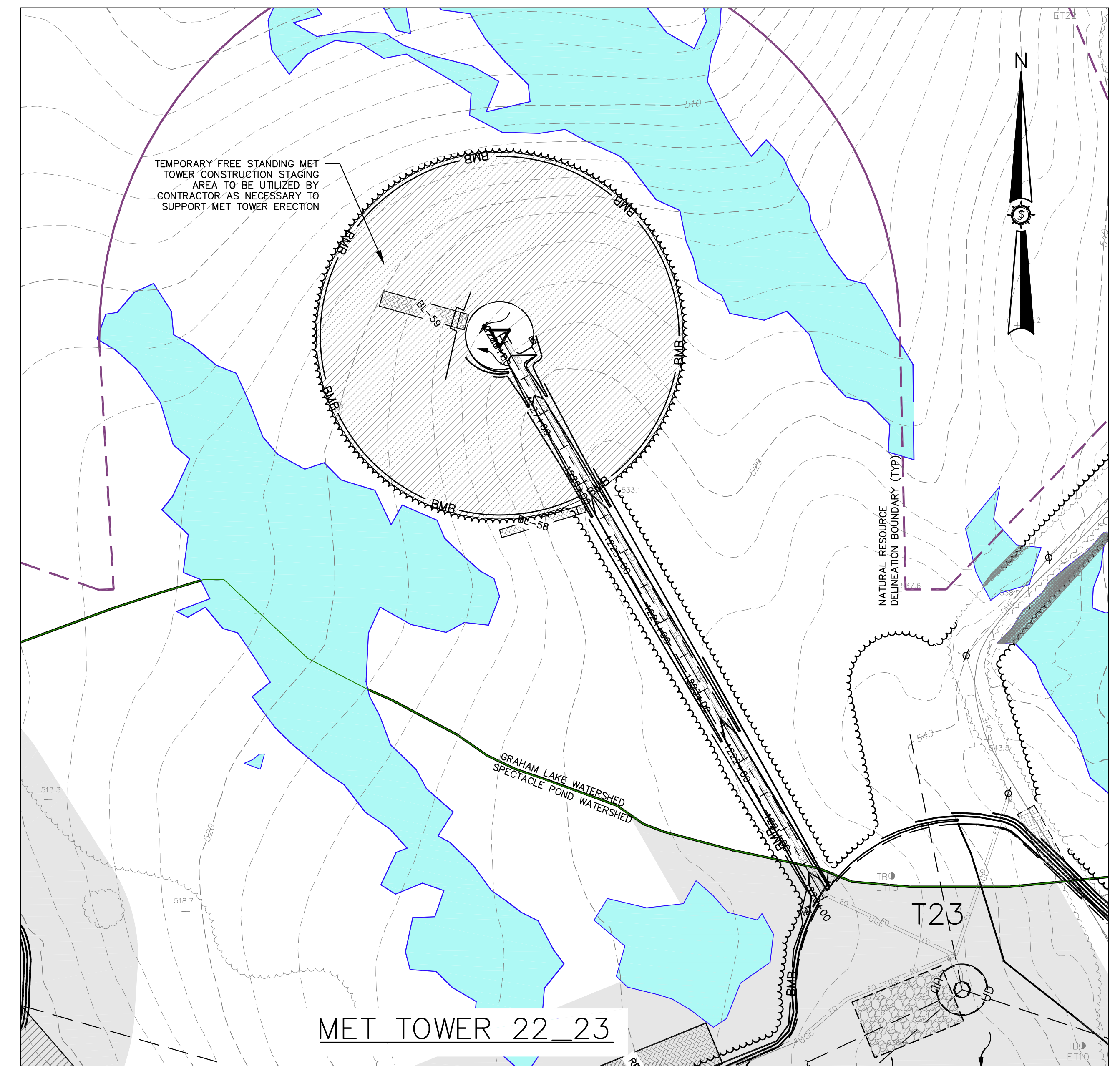
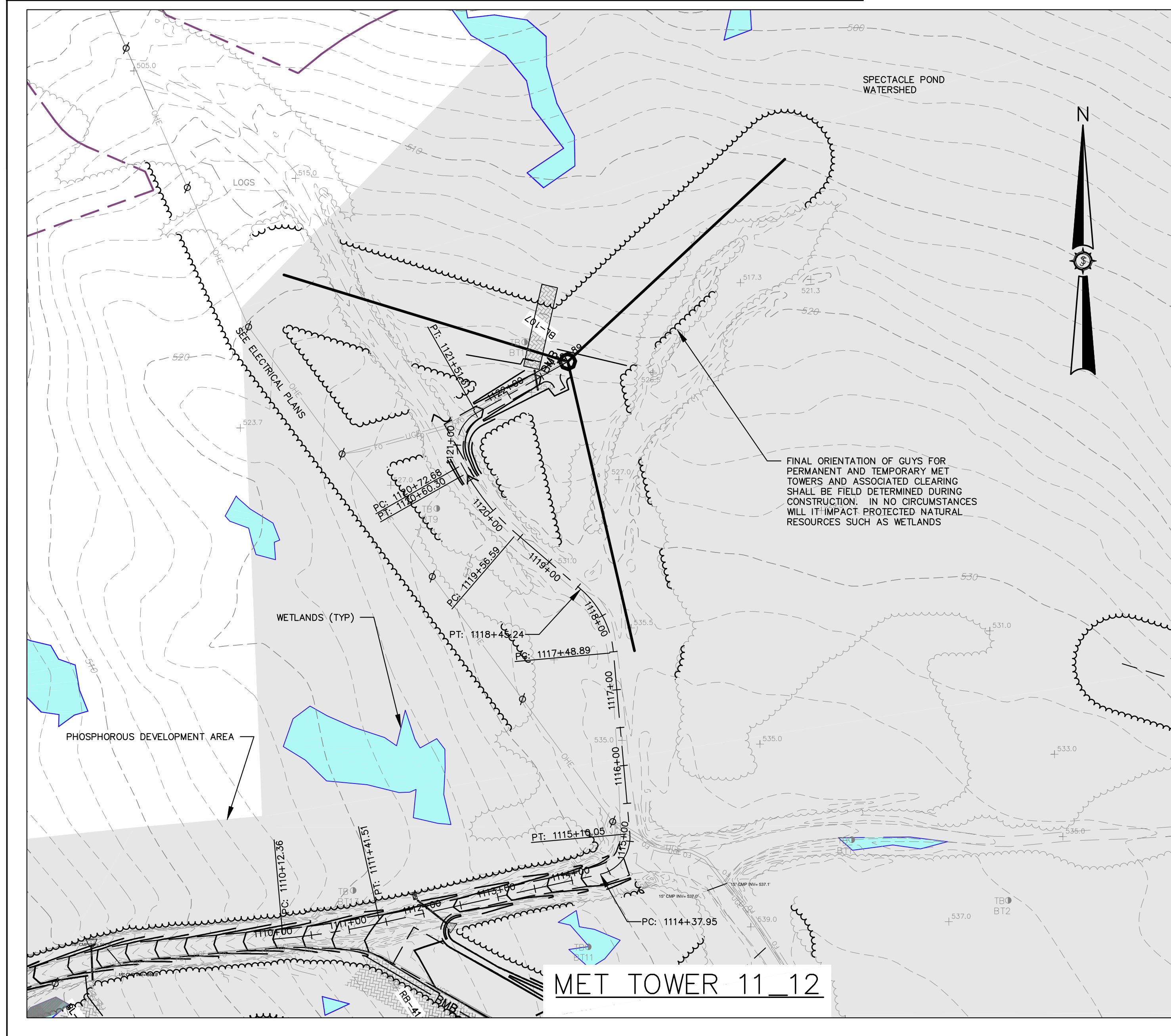
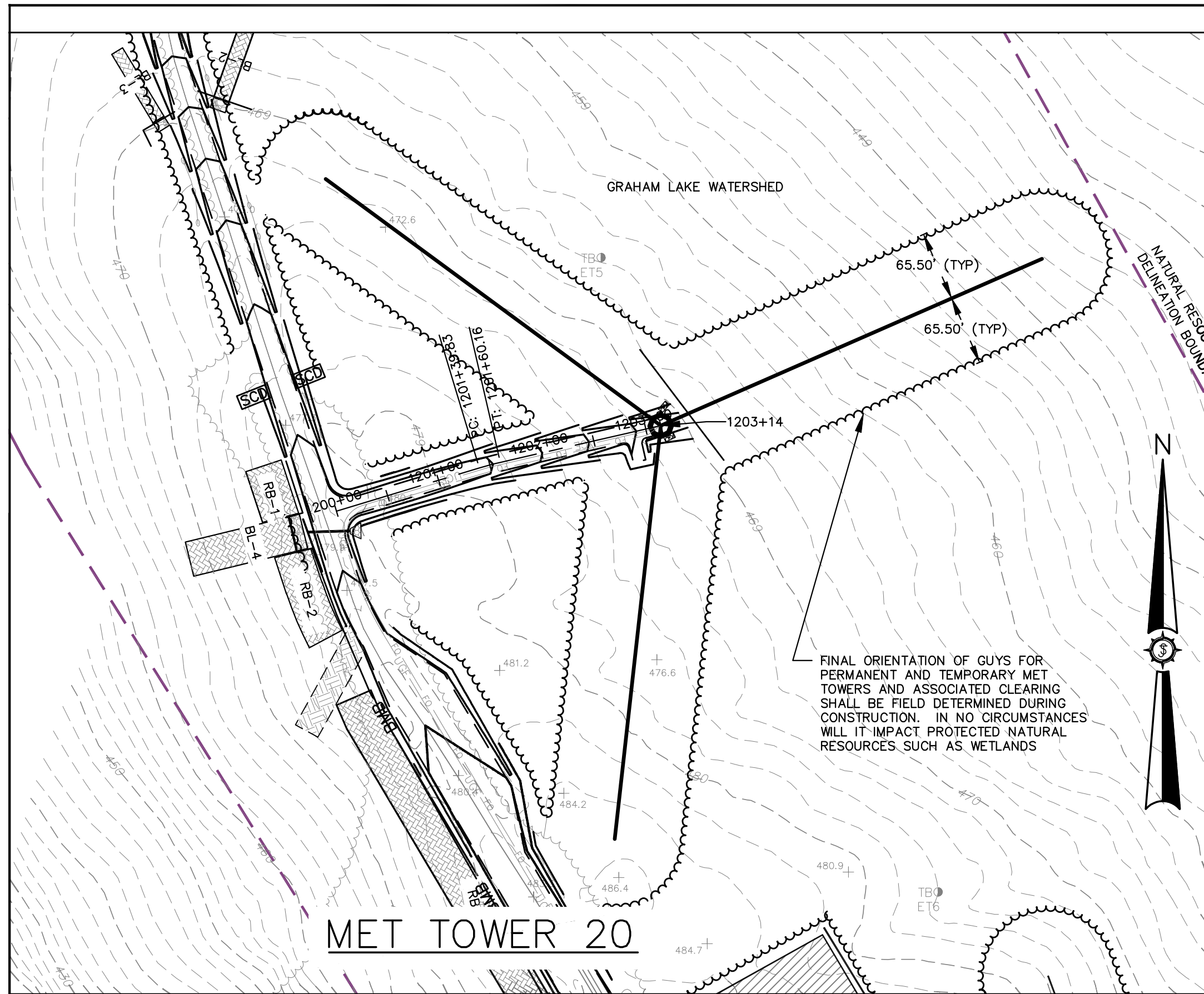
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Project No.	84176E
Phase	PERMIT
Sheet No.	7
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC
Project Location	129 MIDDLE STREET PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE
Engineer	JAMES W. SEWALL COMPANY SEWALL.COM
Scale	AS SHOWN
Drawn By	JAC/NT
Checked By	JAO
Designed By	BCH
Date	10/29/2018
Scale	
Approved	BCH
Checked	JAO
Drawn By	JAC/NT
Checked By	JAO
Designed By	BCH
Date	10/29/2018
Scale	
Approved	BCH
Checked	JAO

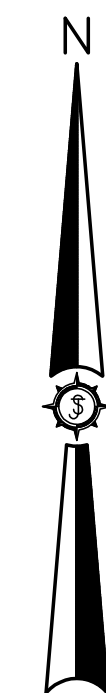
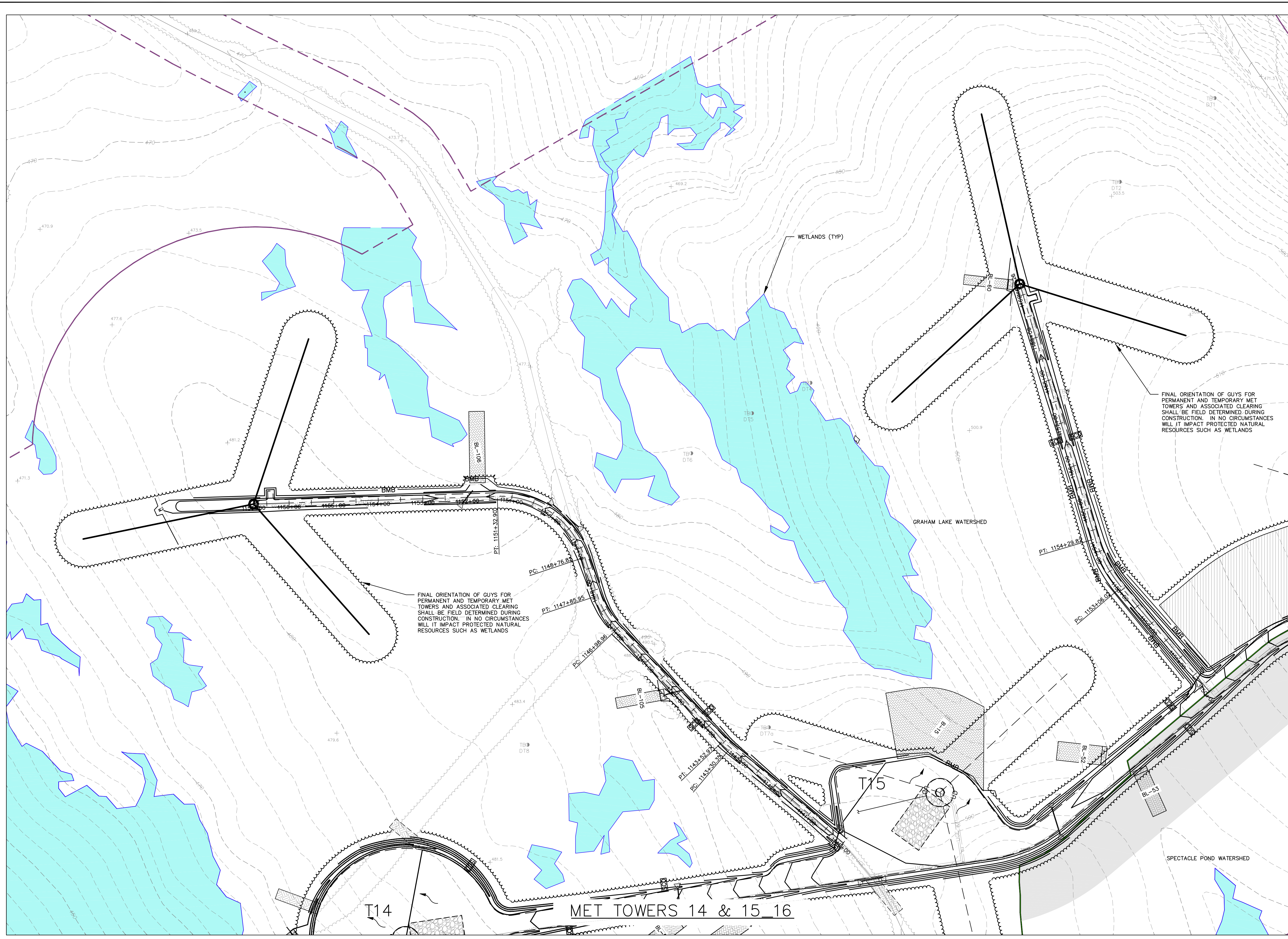
AN INTEGRATED TEAM OF
GEOSPATIAL ENGINEERING,
SURVEYING AND NATURAL
RESOURCE CONSULTANTS

SEWALL
JAMES W. SEWALL COMPANY Since 1880
800.648.4202

STATE OF MAINE
Professional Seal
Professional No. 10749

MET TOWERS

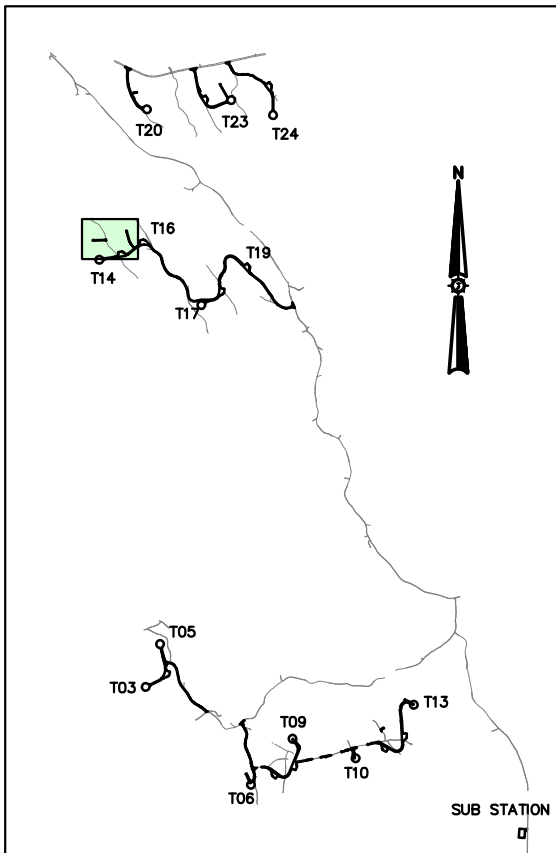
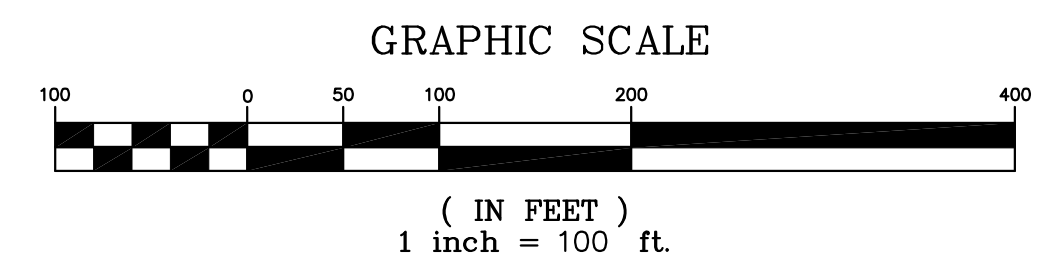
NOT FOR CONSTRUCTION



FINAL ORIENTATION OF GUYS FOR PERMANENT AND TEMPORARY MET TOWERS AND ASSOCIATED CLEARING SHALL BE FIELD DETERMINED DURING CONSTRUCTION. IN NO CIRCUMSTANCES WILL IT IMPACT PROTECTED NATURAL RESOURCES SUCH AS WETLANDS

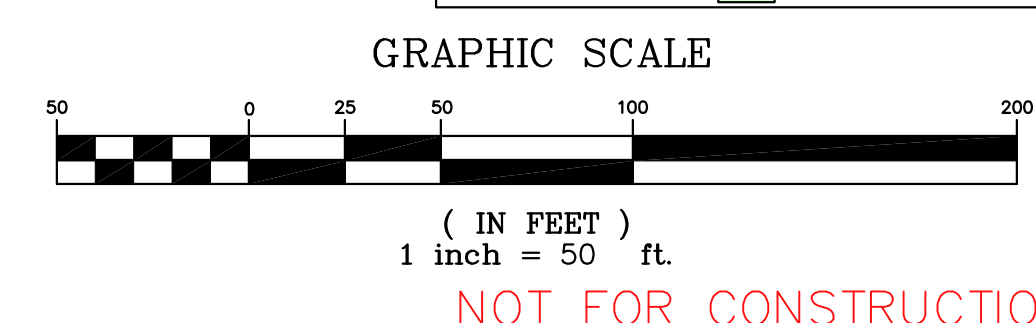
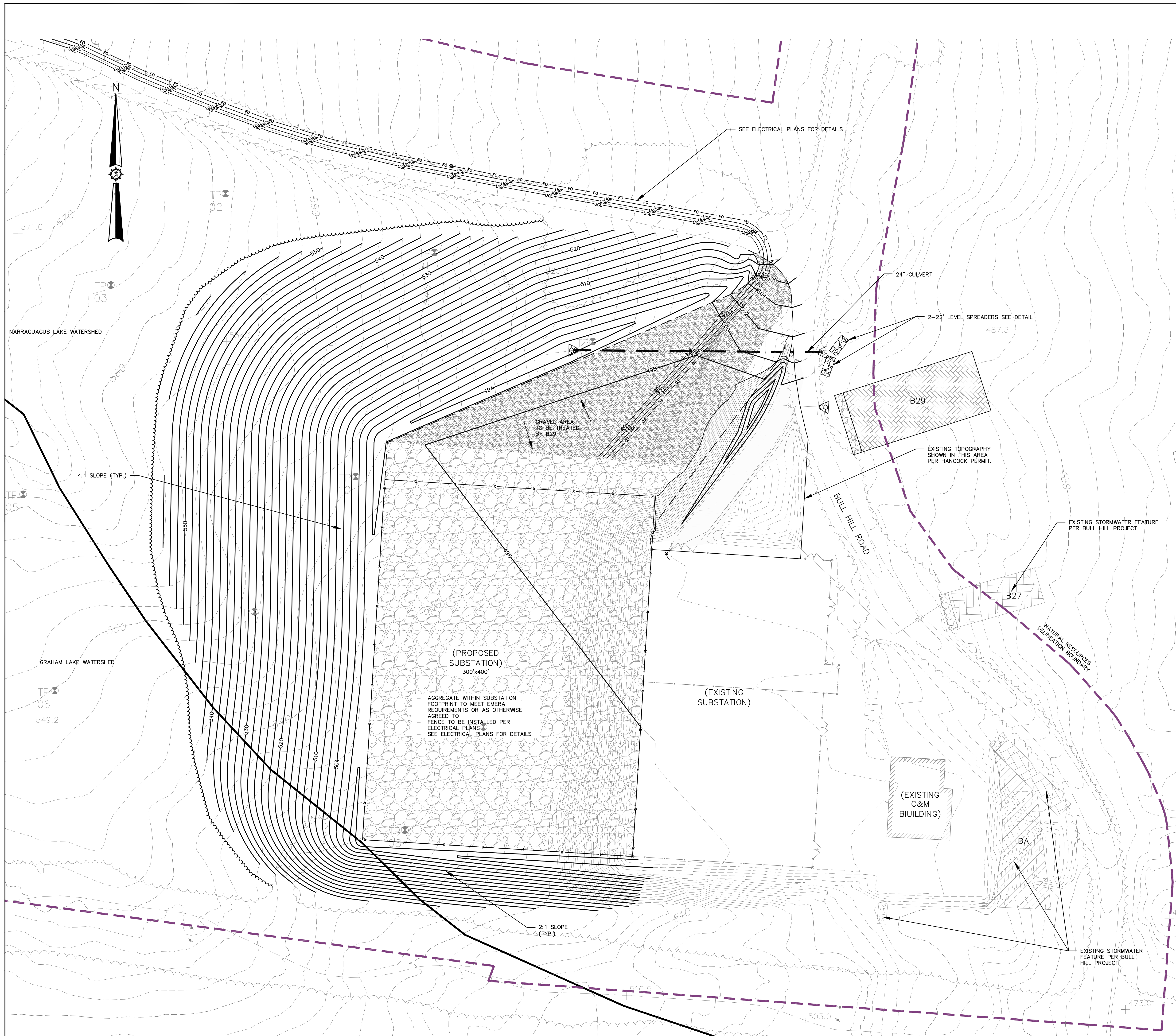
FINAL ORIENTATION OF GUYS FOR PERMANENT AND TEMPORARY MET TOWERS AND ASSOCIATED CLEARING SHALL BE FIELD DETERMINED DURING CONSTRUCTION. IN NO CIRCUMSTANCES WILL IT IMPACT PROTECTED NATURAL RESOURCES SUCH AS WETLANDS

MET TOWERS 14 & 15 16



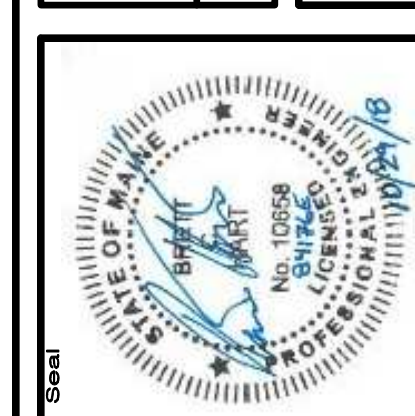
Project No.	84176E	Phase	PERMIT
Engineer	SEWALL	Sheet No.	8
AN INTEGRATED TEAM OF GEOSPATIAL ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS SEWALL JAMES W. SEWALL COMPANY / Since 1880 800.648.4202 SEWALL.COM			
State of Maine 			
Project Location	129 MIDDLE STREET, PORTLAND, ME		
Drawing Description	EASTBROOK, OSBORN, T16MD, MAINE		
Drawn By	JAC/MT	Checked	JAO
Designed By	BCH	Approved	BCH
Date	10/29/2018	Scale	
Rev.	Draw. By	Description	Date

NOT FOR CONSTRUCTION



Rev. #	Drawn By	Description	Date

Designed By BCH	Drawn By JAO/MT
Date 10/29/2018	Scale 1"=50'
Project Location PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE	
Approved BCH	Checked JAO



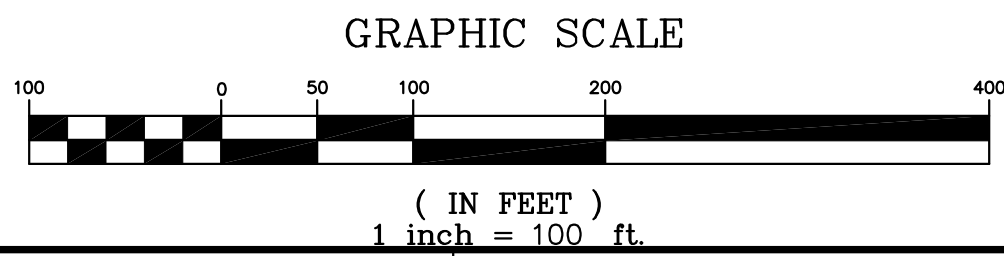
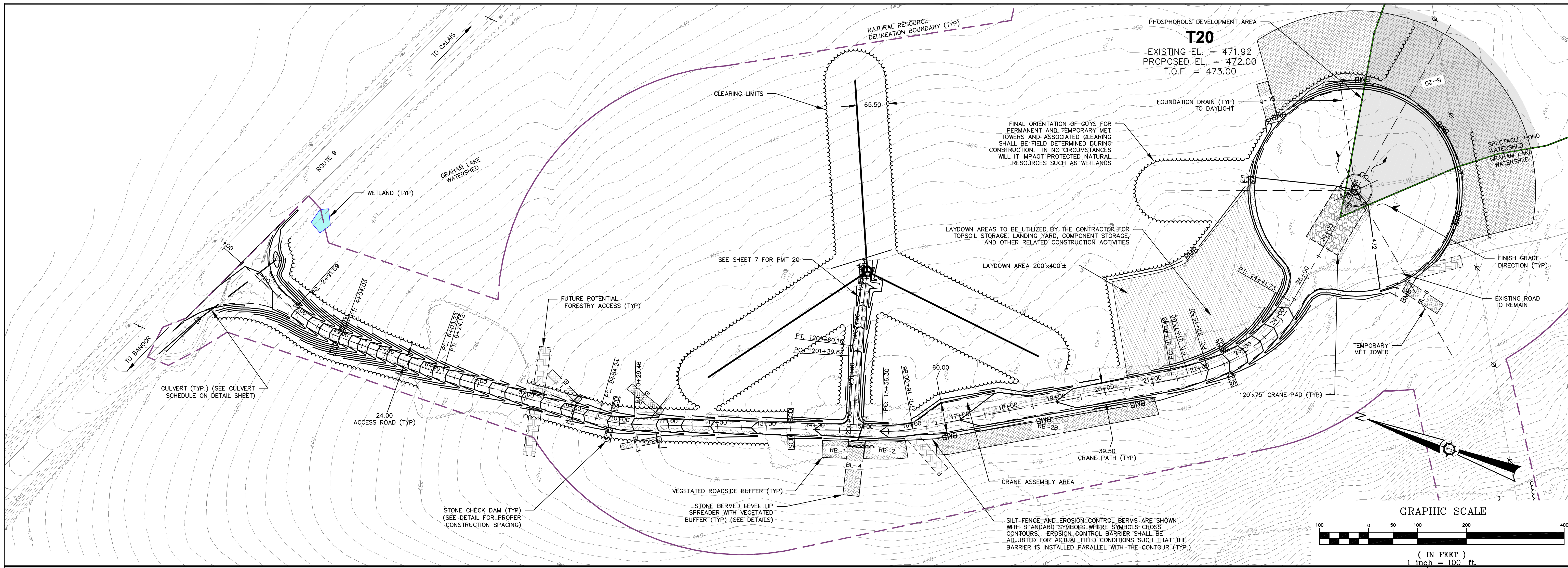
Project No. **84176E**

AN INTEGRATED TEAM OF
SEWALL
 GEOSPATIAL ENGINEERING,
 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS

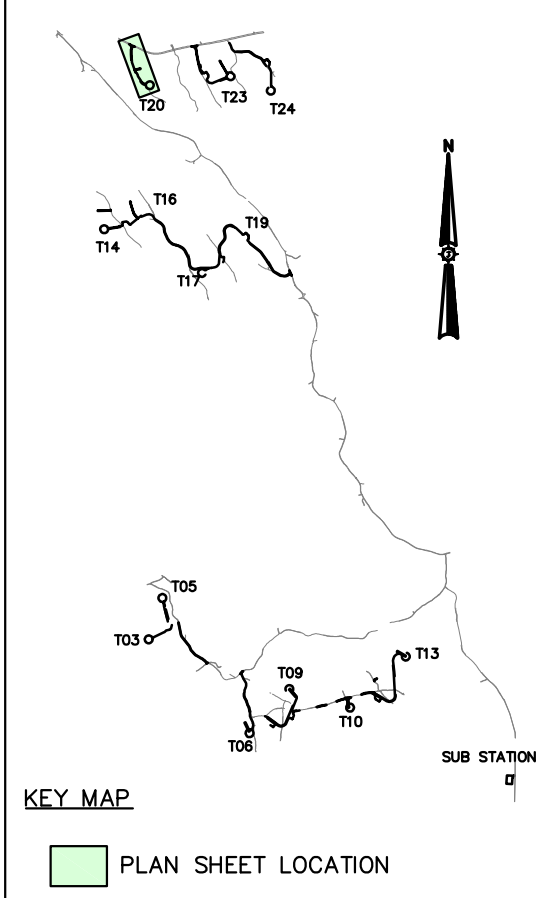
JAMES W. SEWALL COMPANY / Since 1880
 SEWALL.COM 800.678.7422

Phase **PERMIT**

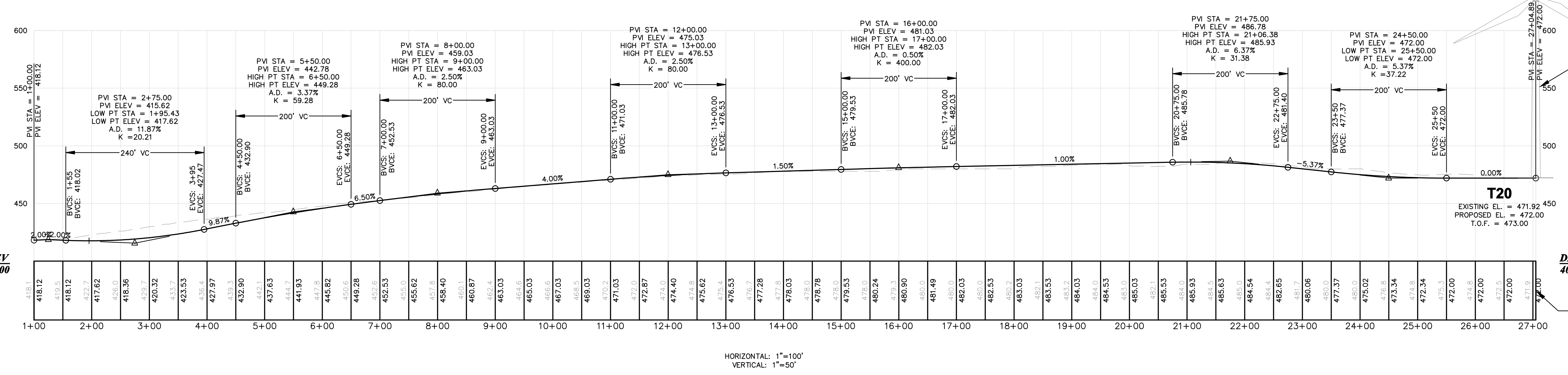
Sheet No. **9**



PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 1+00 TO 27+50 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING LOGGING ROAD IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD AND/OR A 39.5' CRANE PATH (SEE CROSS SECTIONS) CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.



ACCESS ROAD & CRANE PATH T20
1+00.00 - 27+05.00



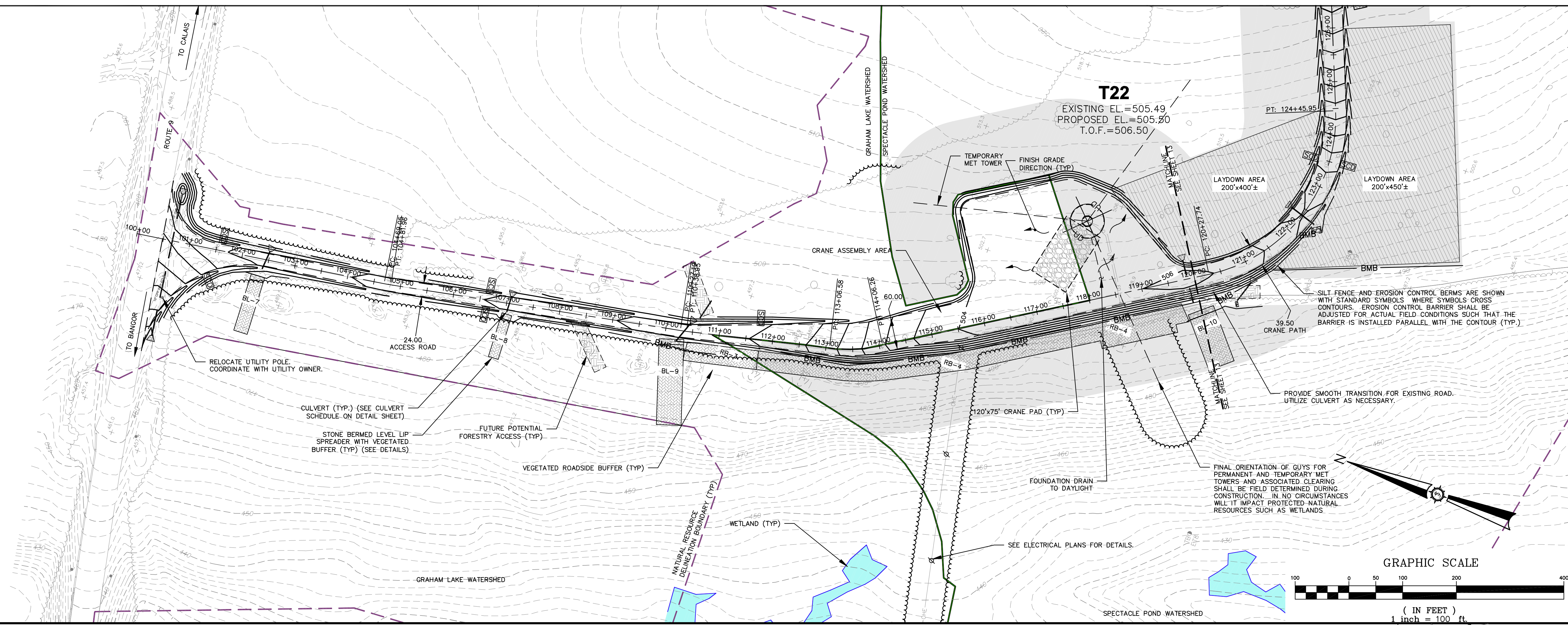
DATUM ELEV
400.00

DATUM ELEV
400.00

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

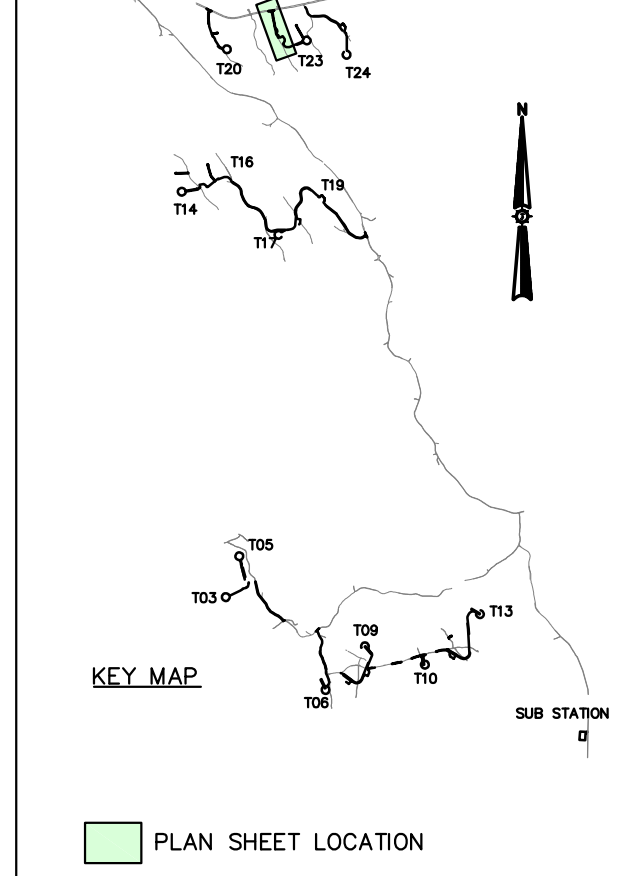
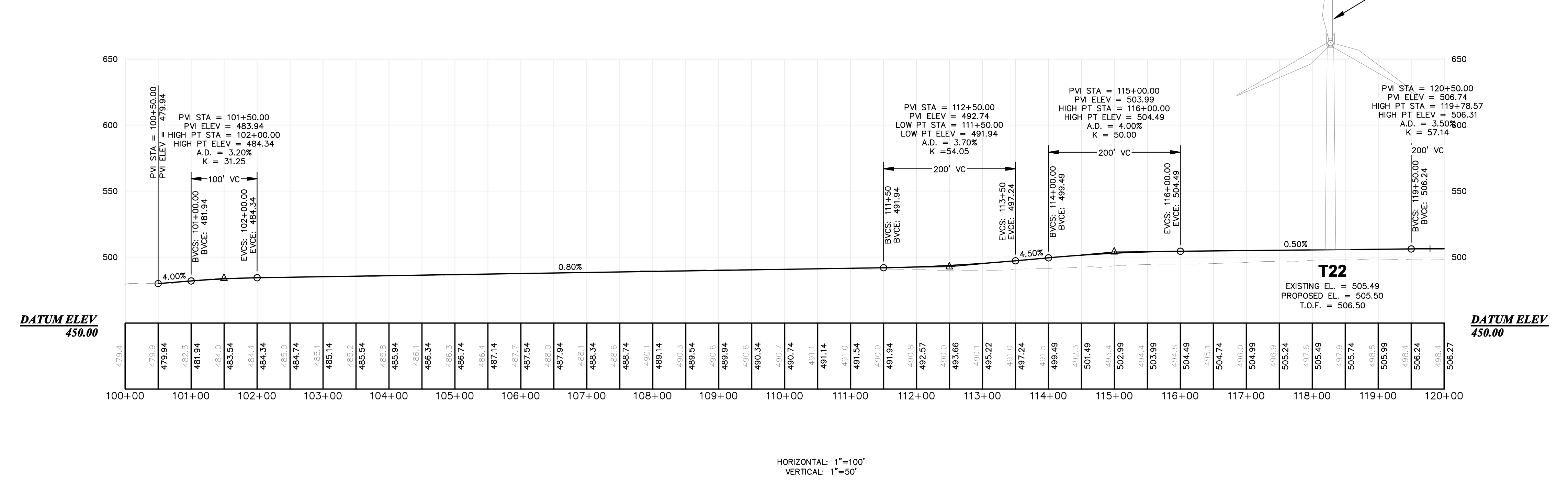
Project No.	84176E
Phase	PERMIT
Sheet No.	11
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC
Project Location	129 MIDDLE STREET PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE
Drawn Description	BIRCH AND HARDWOOD HILLS ACCESS ROAD T20
Scale	H: 1" = 100' V: 1" = 50'
Checked	JAO
Approved	BOH
Designed By	JAO/NT
Drawn By	BOH
Date	10/29/2018
Rev.	1
Rev.	2
Rev.	3
Rev.	4
Rev.	5
Rev.	6
Rev.	7
Rev.	8
Rev.	9
Rev.	10
Rev.	11
Rev.	12
Rev.	13
Rev.	14
Rev.	15
Rev.	16
Rev.	17
Rev.	18
Rev.	19
Rev.	20
Rev.	21
Rev.	22
Rev.	23
Rev.	24
Rev.	25
Rev.	26
Rev.	27
Rev.	28
Rev.	29
Rev.	30
Rev.	31
Rev.	32
Rev.	33
Rev.	34
Rev.	35
Rev.	36
Rev.	37
Rev.	38
Rev.	39
Rev.	40
Rev.	41
Rev.	42
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Rev.	45
Rev.	46
Rev.	47
Rev.	48
Rev.	49
Rev.	50

NOT FOR CONSTRUCTION



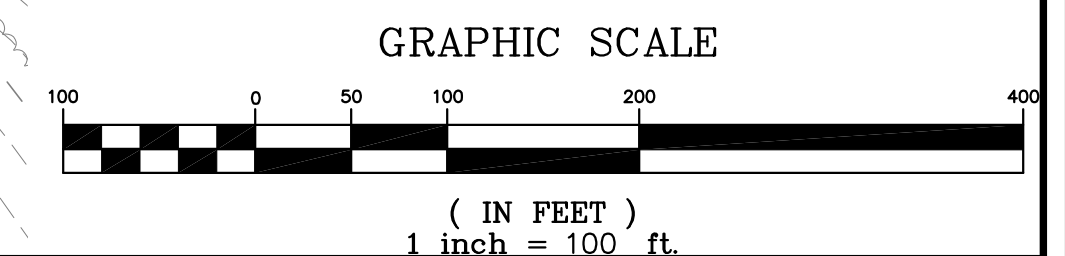
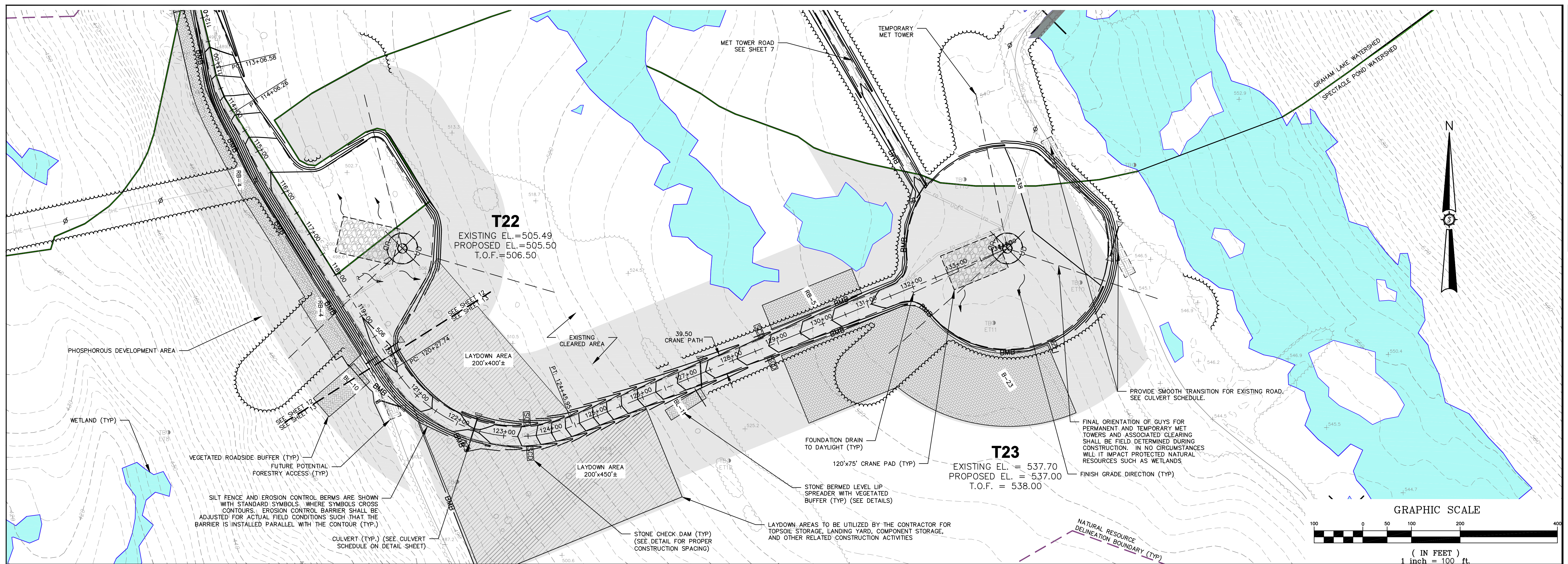
PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 100+50 TO 113+00 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING LOGGING ROAD IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD AND/OR A 30' CRANE PATH (SEE CROSS SECTIONS) CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.

ACCESS ROAD CRANE PATH T23
100+00.00 - 120+00.00



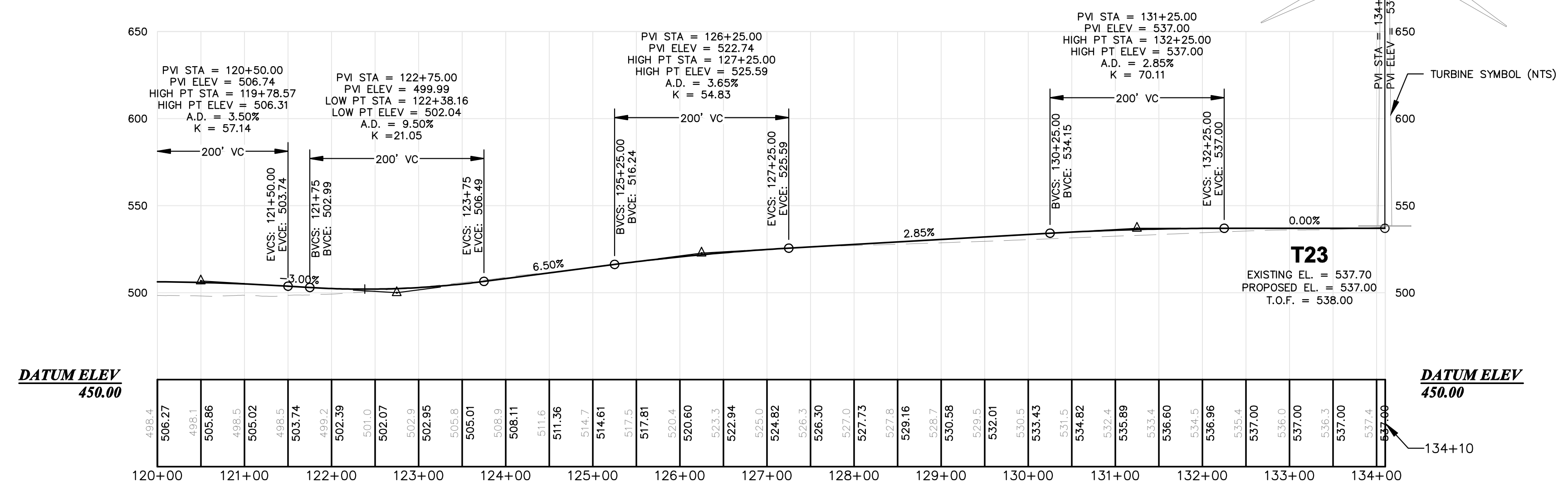
Project No.	84176E
Phase	PERMIT
Sheet No.	12
Project Location	129 MIDDLE STREET PORTLAND, ME
Client	WEAVER WIND PROJECT WEAVER WIND, LLC
Contract Description	BIRCH AND HARDWOOD HILLS ACCESS ROAD AND CRANE PATH
Engineer	SEWALL JAMES W. SEWALL COMPANY SINCE 1880 800.648.4202 SEWALL.COM
Professional Seal	Professional Seal of James W. Sewall, State of Maine, No. 10749
Drawn By	JAO/NT
Checked By	JAO
Design By	JAO/NT
Date	10/29/2018
Scale	H: 1" = 100' V: 1" = 50'
Graphic Scale	1 inch = 100 feet

NOT FOR CONSTRUCTION



KEY MAP PLAN SHEET LOCATION

CRANE PATH T23
120+00.00 - 134+10.00



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

Drawn By	JAO/NT
Checked By	BCH
Date	10/29/2018
Scale	H: 1"=100' V: 1"=50'
Approved	BCH
Checked	JAO

WEAVER WIND PROJECT
WEAVER WIND, LLC
PORTLAND, ME
Project Location
EASTBROOK, OSBORN, T16MD, MAINE
Drawing Description
BIRCH AND HARDWOOD HILLS
ACCESS ROAD AND CRANE PATH

84176E

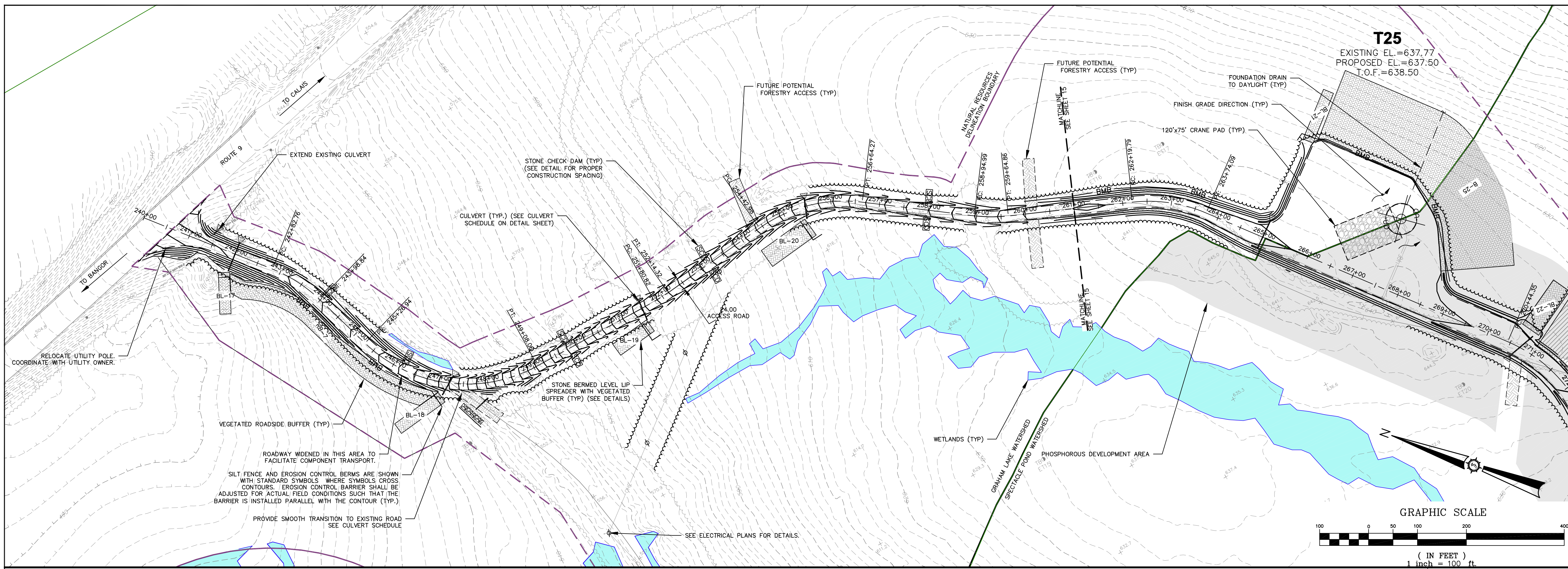
AN INTEGRATED TEAM OF
GEOSPATIAL ENGINEERING,
SURVEYING AND NATURAL
RESOURCE CONSULTANTS

SEWALL
JAMES W. SEWALL COMPANY / Since 1880
800.648.4202
SEWALL.COM

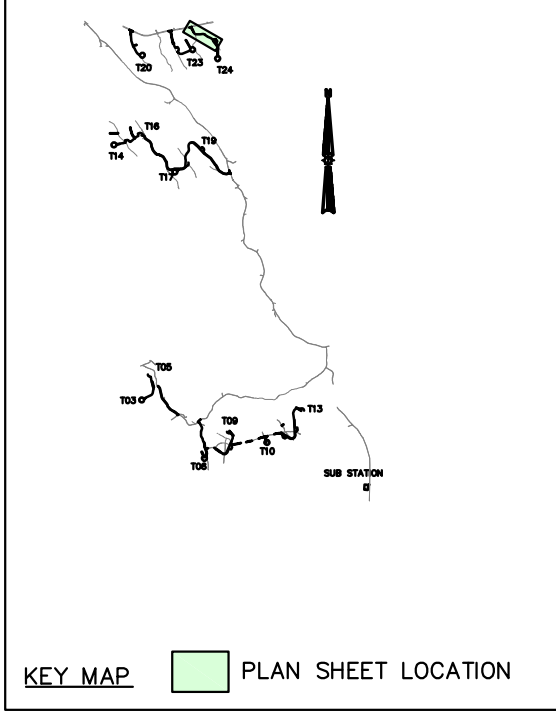
Phase
PERMIT

Sheet No.
13

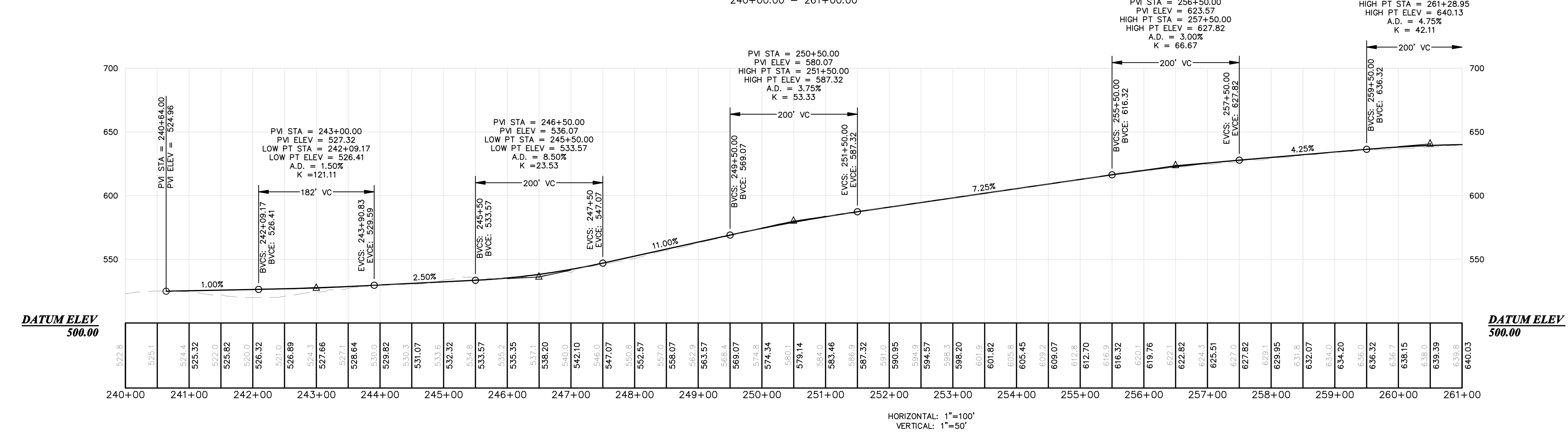
NOT FOR CONSTRUCTION



PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 240+50 TO 264+00 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING LOGGING ROADS IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD AND/OR A 30' CRANE PATH (SEE CROSS SECTIONS) CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.

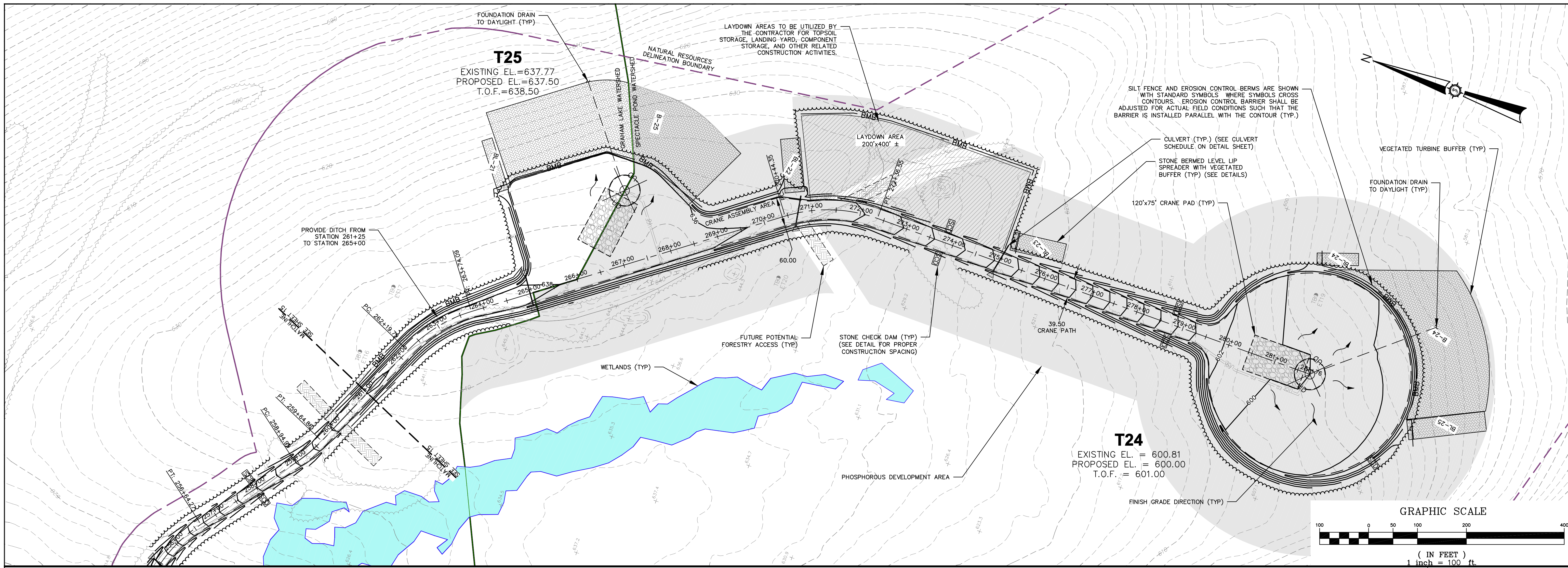


ACCESS AND CRANE PATH T24
240+00.00 - 261+00.00



Project No.	84176E
Phase	PERMIT
Sheet No.	14
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC 129 MIDDLE STREET PORTLAND, ME
Project Location	EASTBROOK, OSBORN, T16MD, MAINE
Drawing Description	BIRCH AND HARDWOOD HILLS ACCESS ROAD AND CRANE PATH
Scale	H: 1" = 100' V: 1" = 50'
Designed By	BCH
Drawn By	JAO/MT
Date	10/29/2018
Checked	JAO
Approved	BCH
Professional Seal	Professional Engineer JAMES W. SEWALL 800.648.4202

NOT FOR CONSTRUCTION



Date	
Rev.	
Drawn By	JAO/NT
Checked By	JAO

WEAVER WIND PROJECT
WEAVER WIND, LLC
PORTLAND, ME

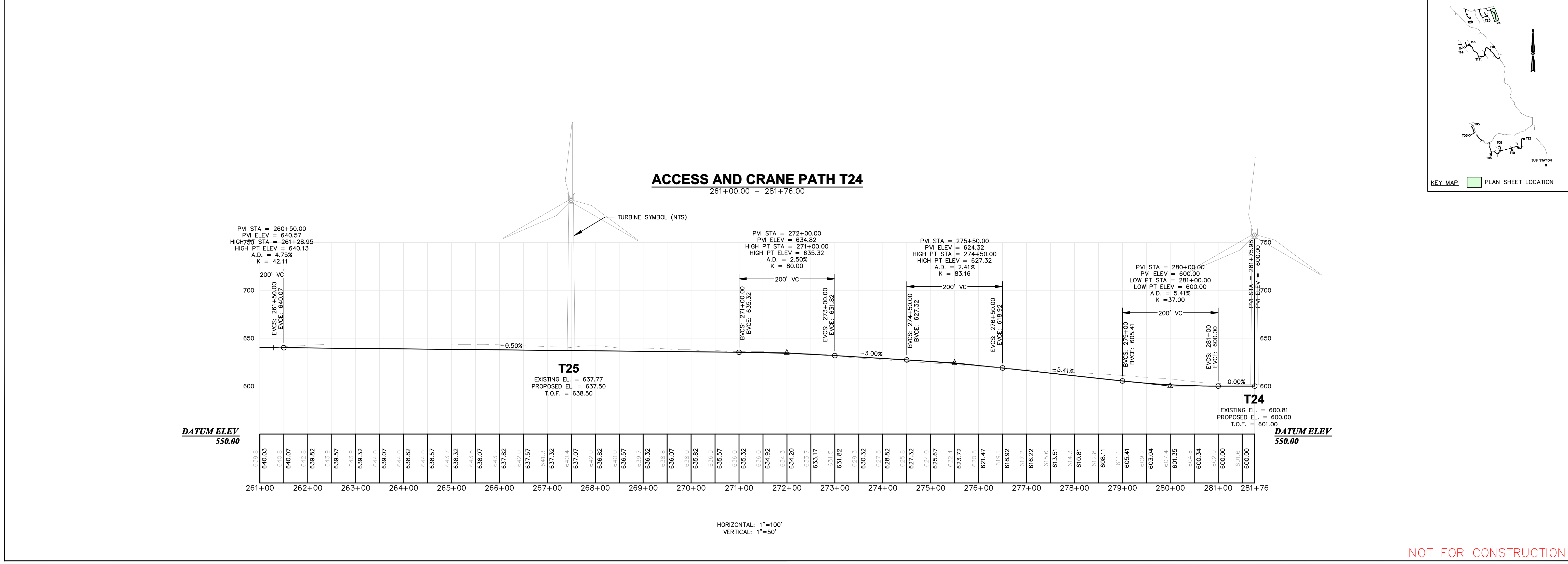
Project Location
EASTBROOK, OSBORN, T16MD, MAINE

Drawing Description
BIRCH AND HARDWOOD HILLS ACCESS ROAD T25

Scale
H: 1" = 100' V: 1" = 50'

Approved
BOH

Checked
JAO



84176E

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RESOURCE CONSULTANTS

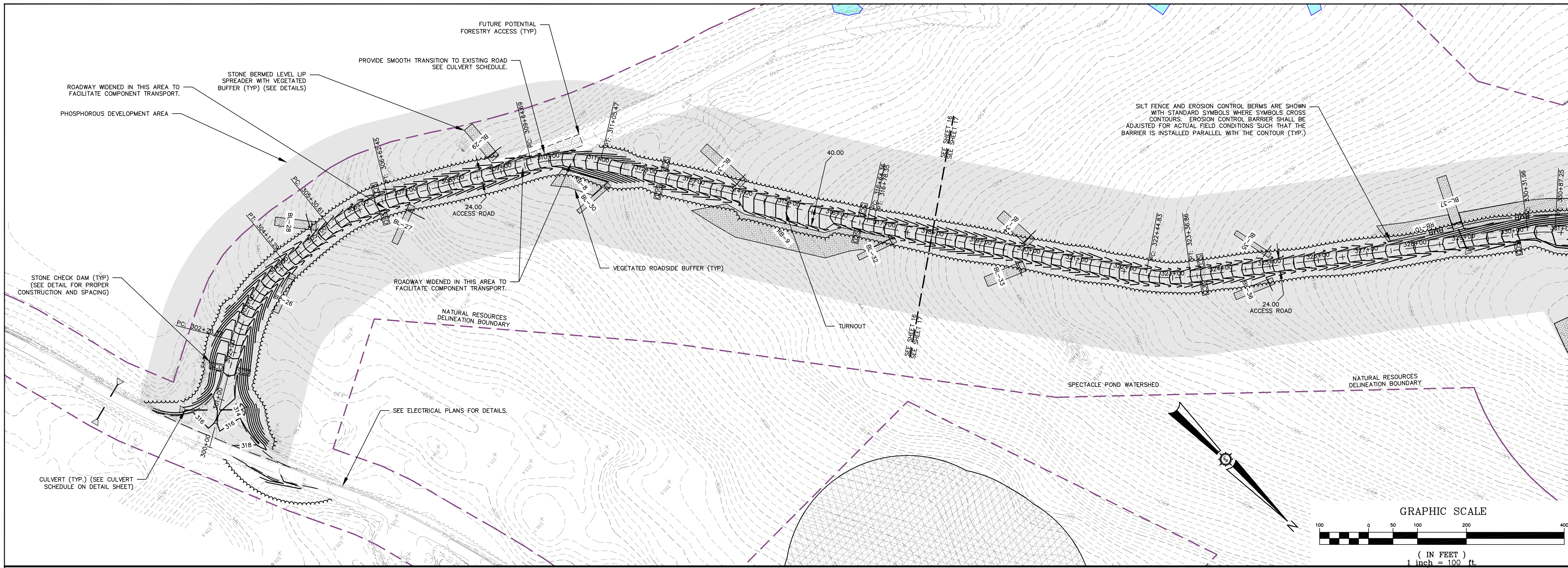
SEWALL
JAMES W. SEWALL COMPANY / Since 1880
SEWALL.COM
800.648.4202

Project No.
PERMIT

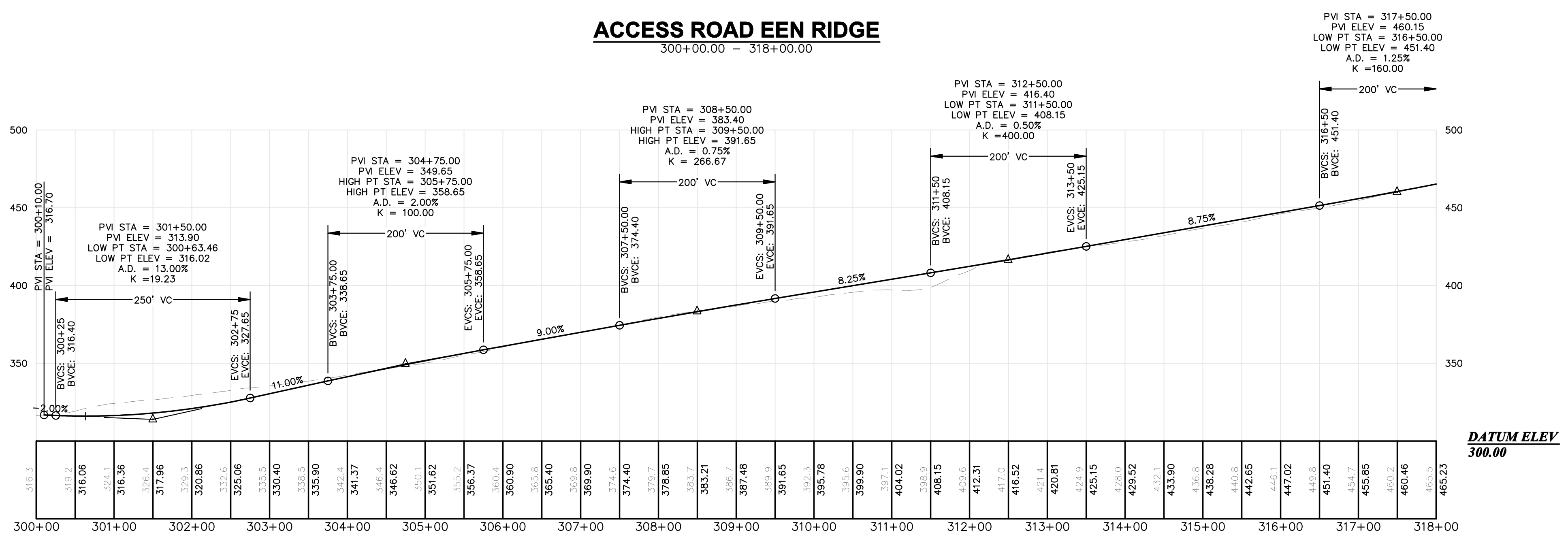
Phase

Sheet No.
15

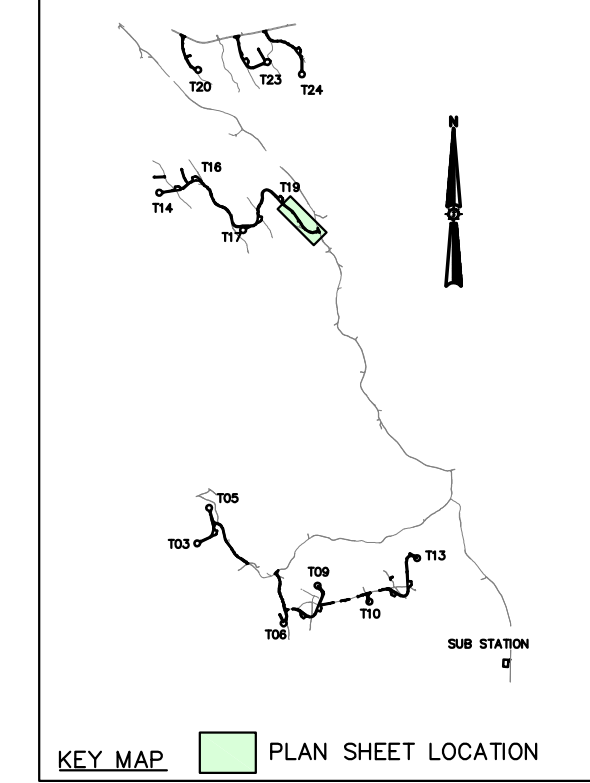
NOT FOR CONSTRUCTION



ACCESS ROAD EEN RIDGE
300+00.00 - 318+00.00



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

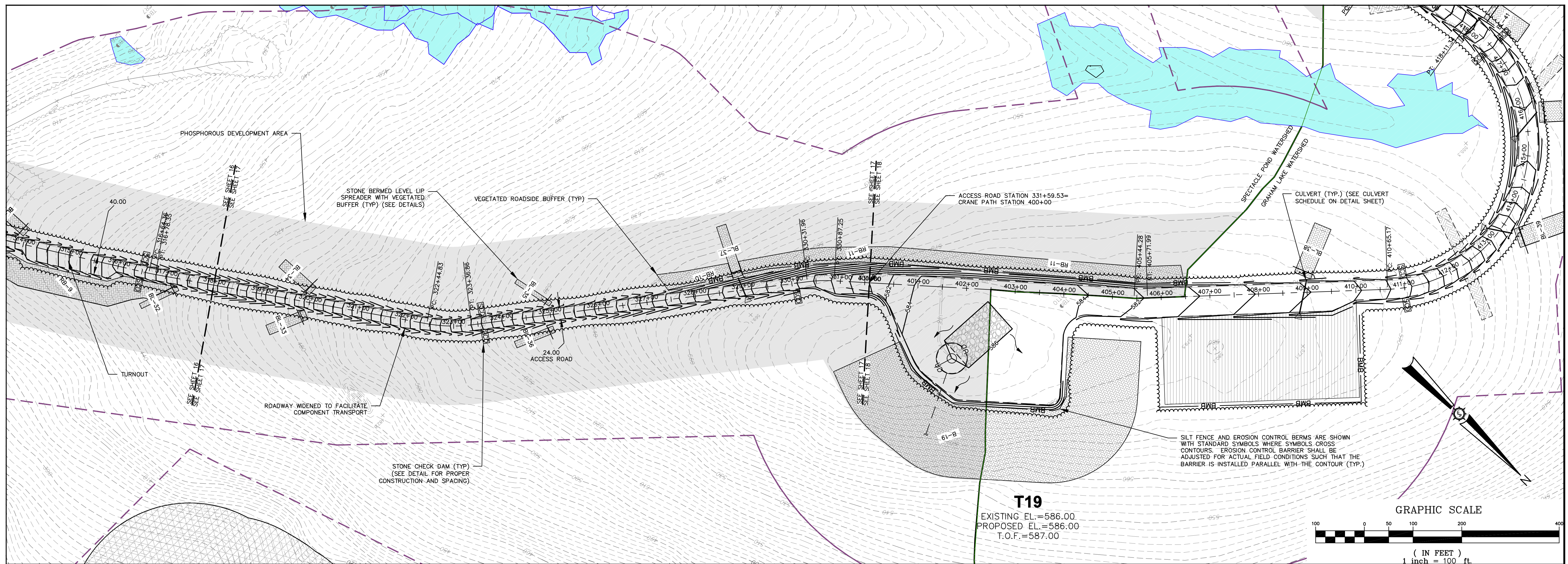


Drawn By: JAO/NT	Checked: JAO
Designed By: BCH	Approved: BCH
Date: 10/29/2018	Scale: H: 1" = 100' V: 1" = 50'
Project Location: PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE	
Drawing Description: EEN AND WEAVER RIDGES EEN ACCESS ROAD	
Project No.: 84176E	
Phase: PERMIT	
Sheet No.: 16	

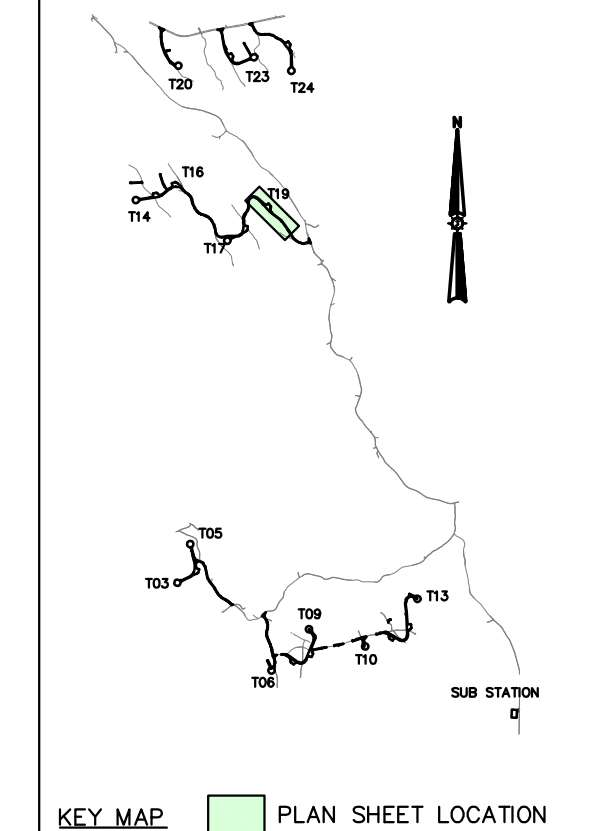
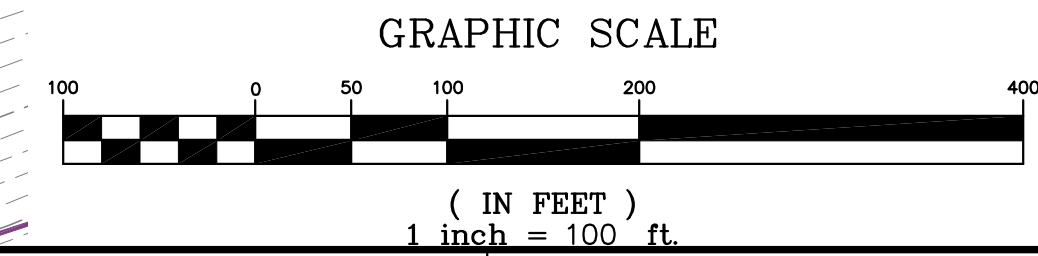
WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
PORTLAND, ME
EASTBROOK, OSBORN, T16MD, MAINE
AN INTEGRATED TEAM OF
GEOSPATIAL ENGINEERING,
SURVEYING AND NATURAL
RESOURCE CONSULTANTS
JAMES W. SEWALL COMPANY / Since 1890
SEWALL.COM
800.648.4202

STATE OF MAINE
Professional Seal
Professional No. 107476

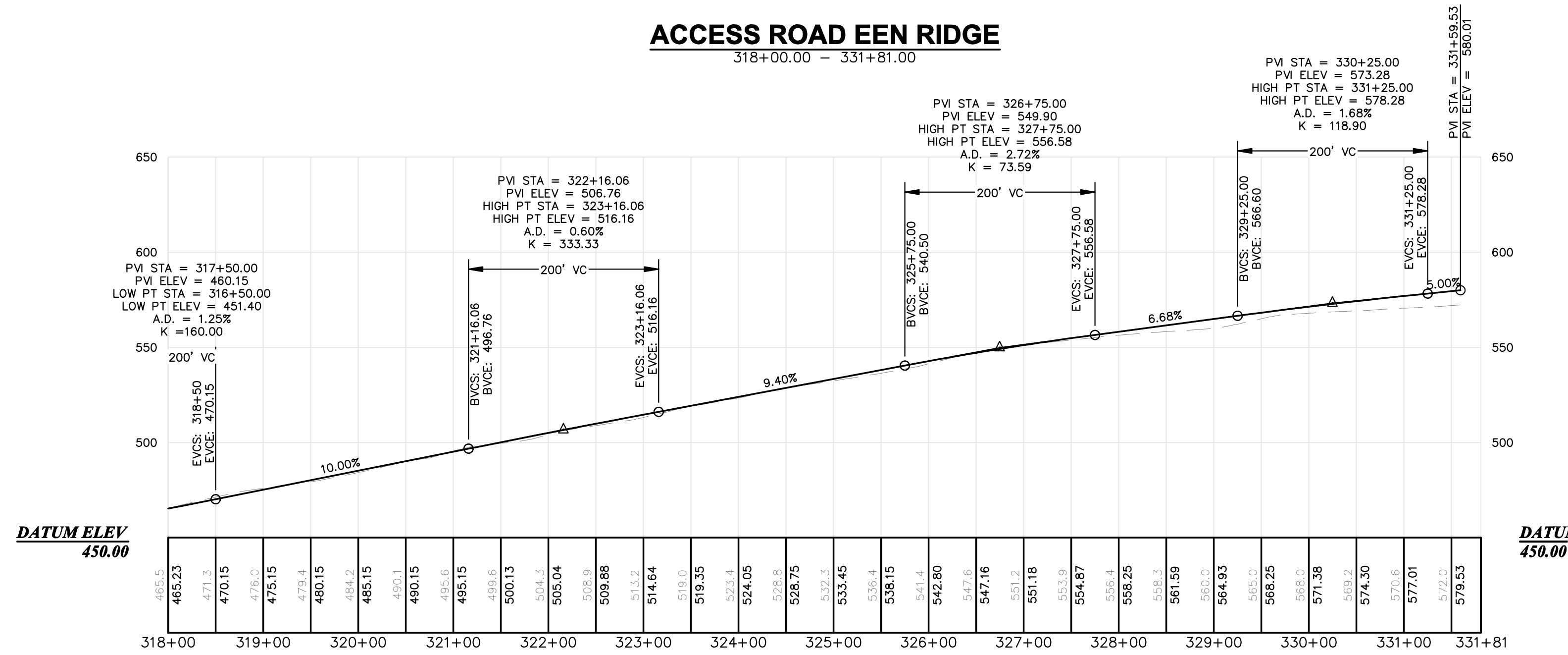
NOT FOR CONSTRUCTION



T19
 EXISTING EL.=586.00
 PROPOSED EL.=586.00
 T.O.F.=587.00



ACCESS ROAD EEN RIDGE
 318+00.00 - 331+81.00

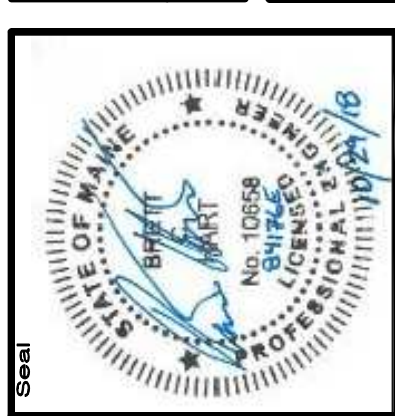


HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

Rev.	Drawn By	Description	Date
1	JAO/NT		

Designed By	JAO/NT
Checked By	BCH
Date	10/29/2018
Scale	H: 1"=100' V: 1"=50'
Approved	JAO
Checked	BCH

WEAVER WIND PROJECT
WEAVER WIND, LLC
 PORTLAND, ME
 Project Location
 EASTBROOK, OSBORN, T16MD, MAINE
 Drawing Description
EEN AND WEAVER RIDGES EEN ACCESS ROAD

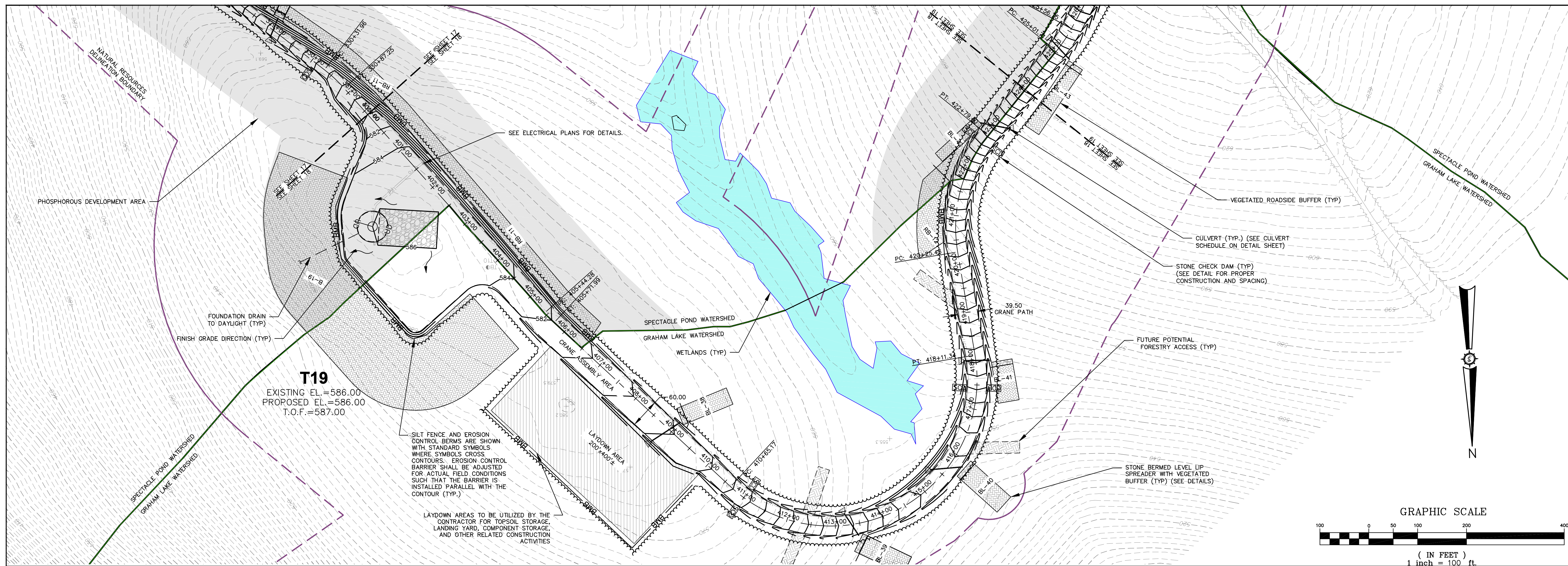


84176E
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 GEOSPATIAL ENGINEERING,
 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS
 JAMES W. SEWALL COMPANY / Since 1880
 SEWALL.COM
 800.648.4202

Phase
PERMIT

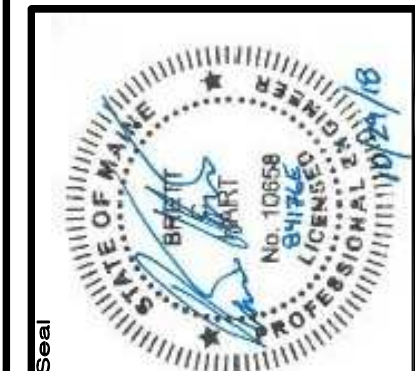
Sheet No.
17

NOT FOR CONSTRUCTION



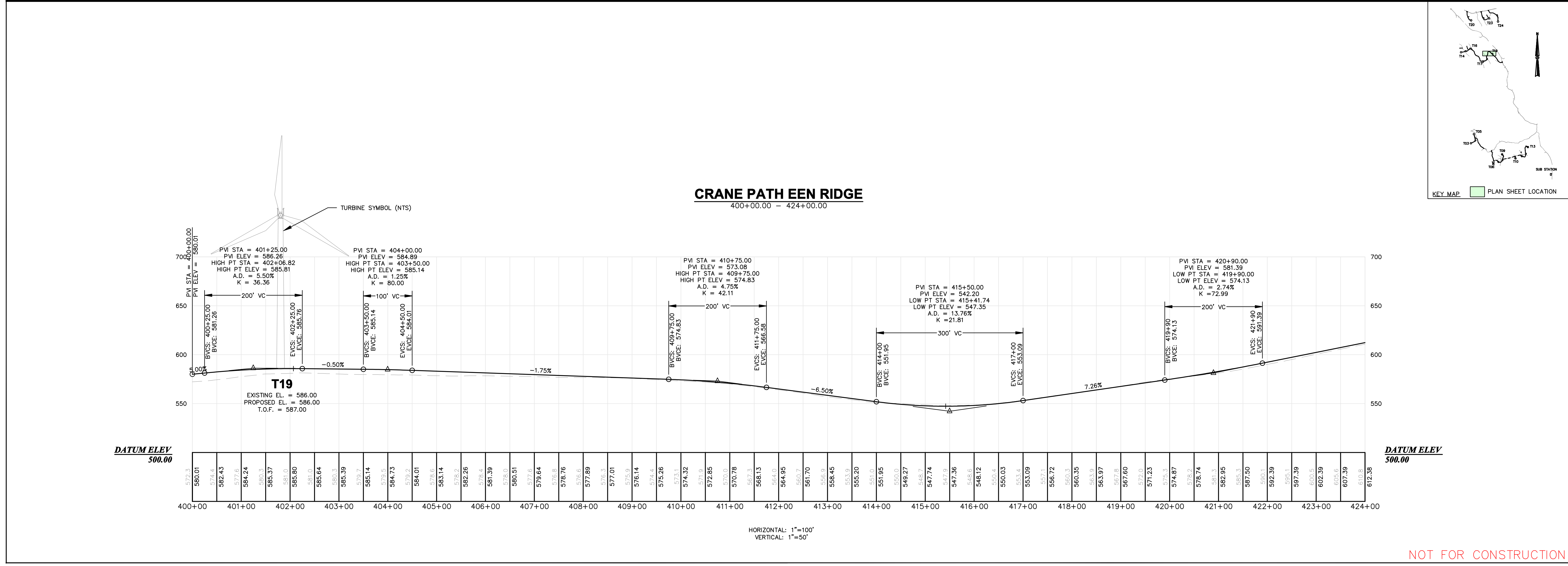
Drawn By	JAC/MT
Checked By	BCH
Project Location	PORTLAND, ME
Scale	H: 1" = 100' V: 1" = 50'
Approved	BCH
Checked	JAO

WEAVER WIND PROJECT
WEAVER WIND, LLC
 129 MIDDLE STREET
 PORTLAND, ME
 EASTBROOK, OSBORN, T16MD, MAINE
 Drawing Description: EEN ACCESS ROAD
 Date: 10/29/2018

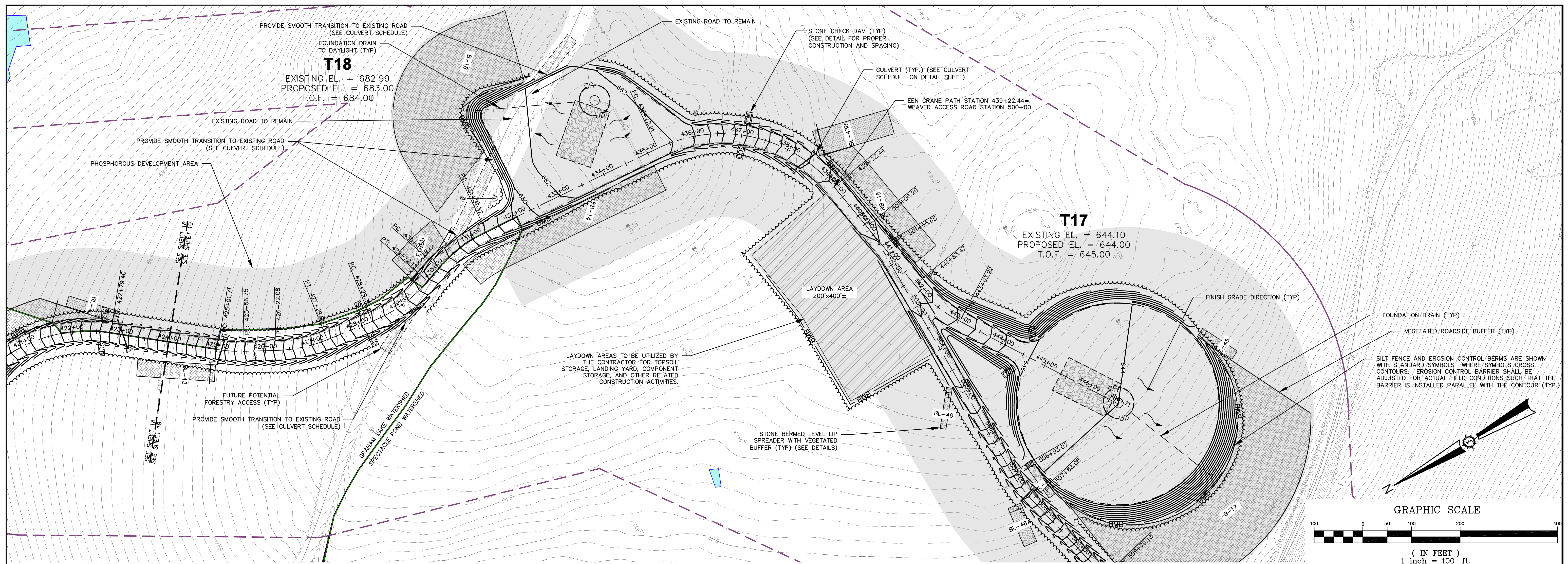


84176E
SEWALL
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 RESOURCE CONSULTANTS
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 SEWALL.COM

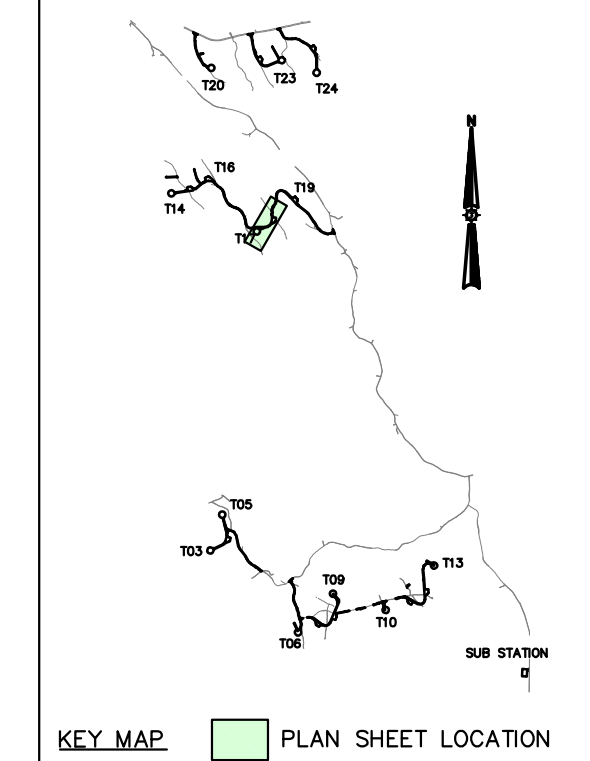
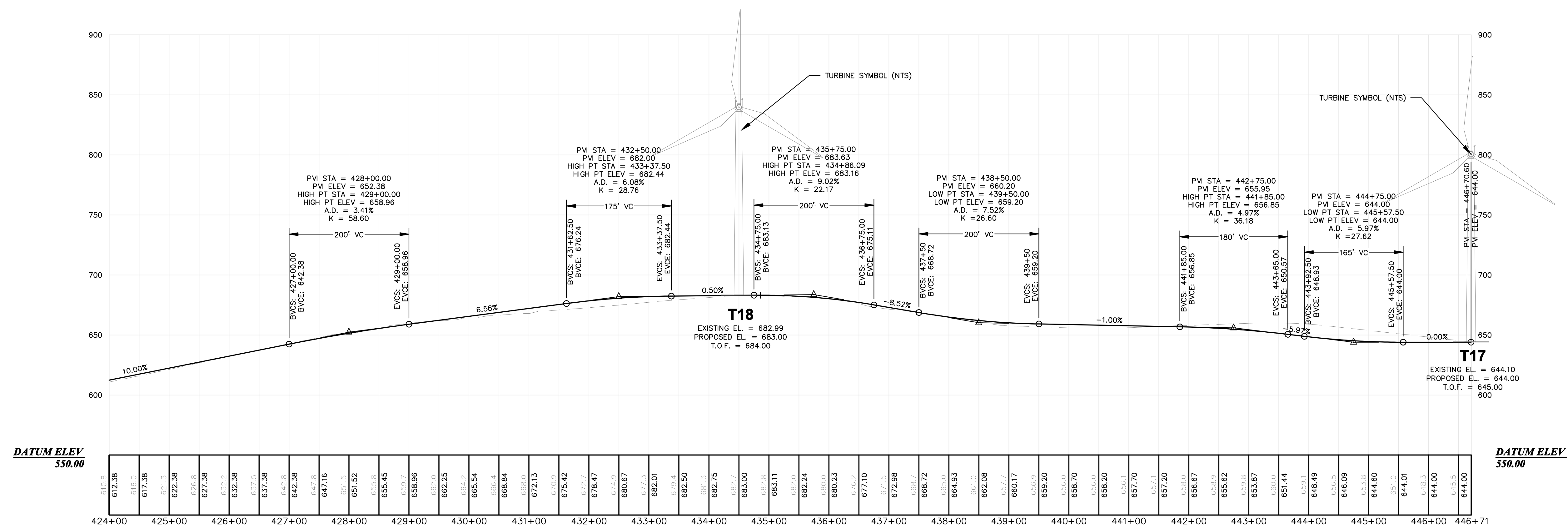
Phase: **PERMIT**
 Sheet No.: **18**



NOT FOR CONSTRUCTION



CRANE PATH EEN RIDGE
 424+00.00 - 446+71.00



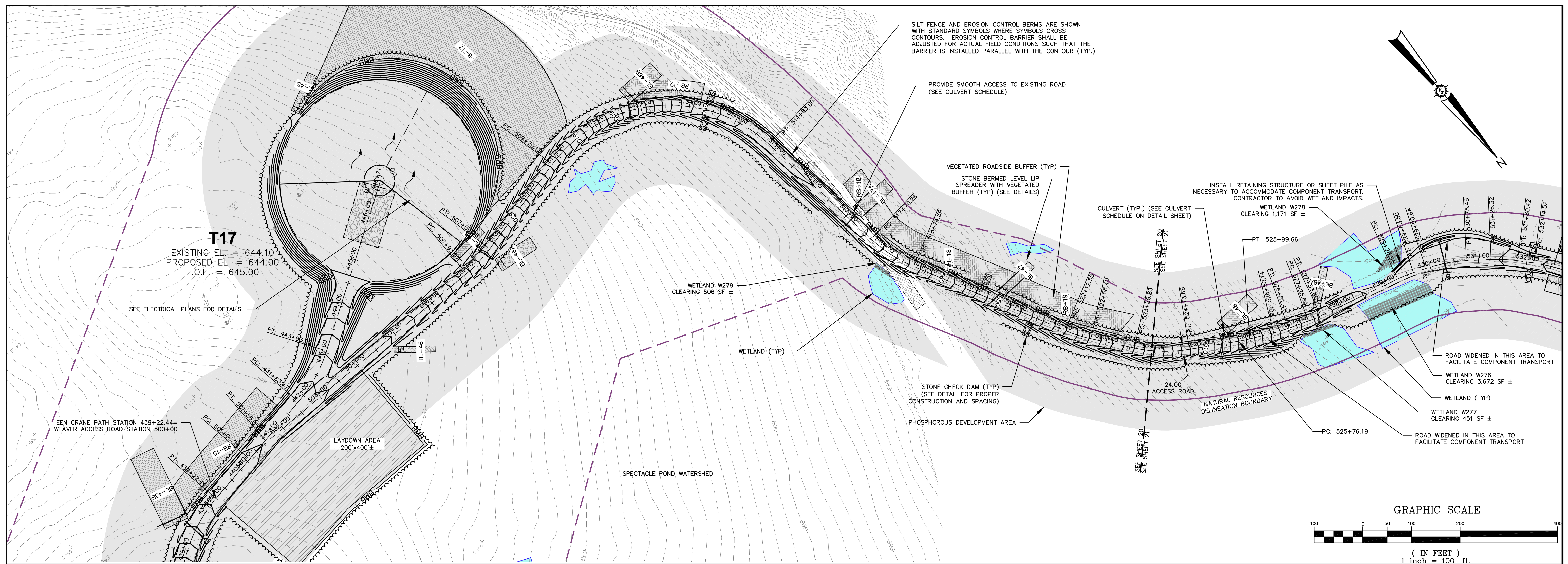
Project No.	84176E
Phase	PERMIT
Sheet No.	19
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC
Project Location	129 MIDDLE STREET PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE EEN AND WEAVER RIDGES EEN CRANE PATH
Scale	H: 1" = 100' V: 1" = 50'
Drawn By	JAO/NT
Checked By	JAO
Date	10/29/2018
Author	BCH
Project Description	
Drawn By	JAO/NT
Checked By	JAO
Date	10/29/2018
Author	BCH

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 GEOSPATIAL ENGINEERING,
 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS

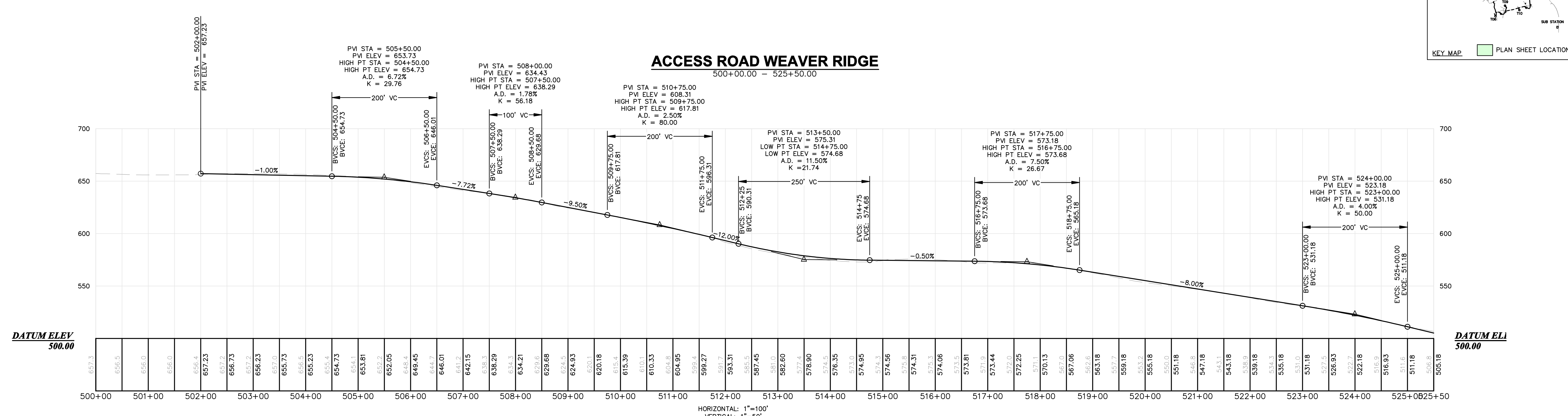
SEWALL
 JAMES W. SEWALL COMPANY Since 1880
 SEWALL.COM
 800.648.4202

STATE OF MAINE
 PROFESSIONAL SURVEYOR
 JAMES W. SEWALL
 LICENSE NO. 10749

NOT FOR CONSTRUCTION



PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 516+00 TO 529+25 AND
 529+75 TO 546+50 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING
 LOGGING ROADS IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING
 ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD (SEE CROSS SECTIONS)
 CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL
 CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.

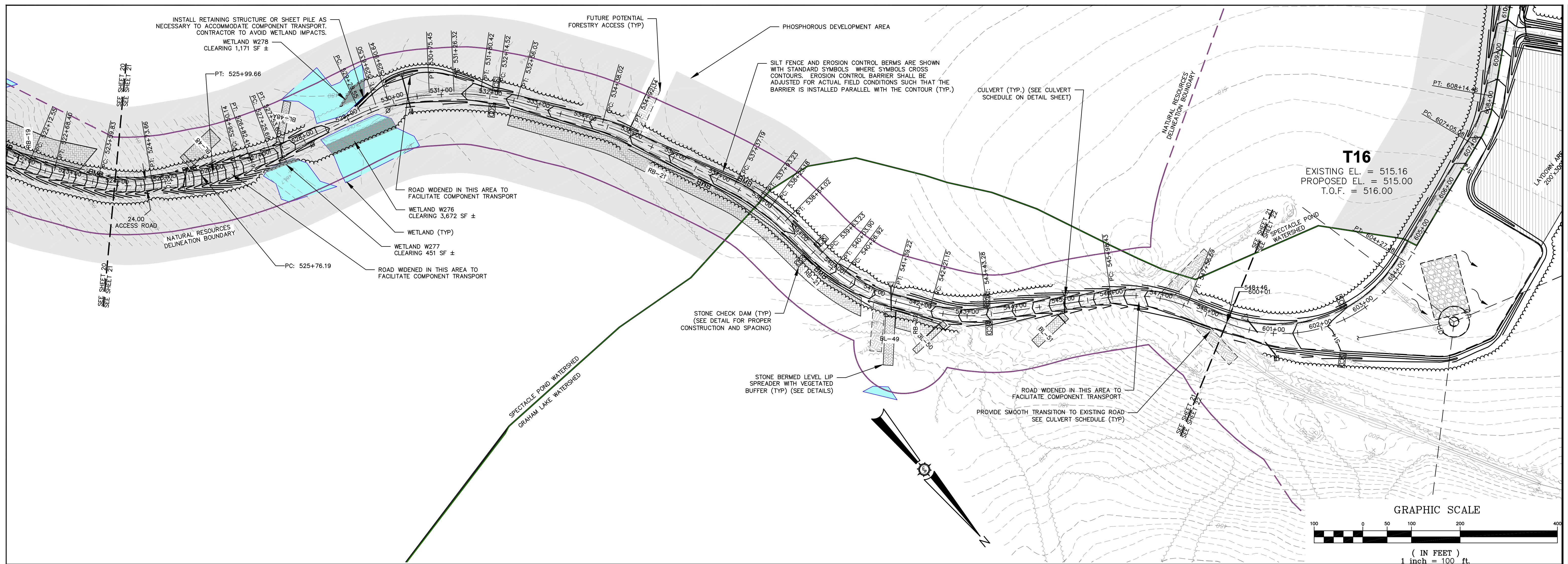


Drawn By JAO/NT	Checked By JAO
Design Date 10/29/2018	Scale H: 1" = 100', V: 1" = 50'
Project Location PORTLAND, ME	Approved BOH
Client WEAVER WIND PROJECT WEAVER WIND, LLC	Project No. 84176E
Address 129 MIDDLE STREET EASTBROOK, OSBORN, T16MD, MAINE	Phase PERMIT
Contract Description EEN CRANE PATH	Sheet No. 20

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 800.648.4202

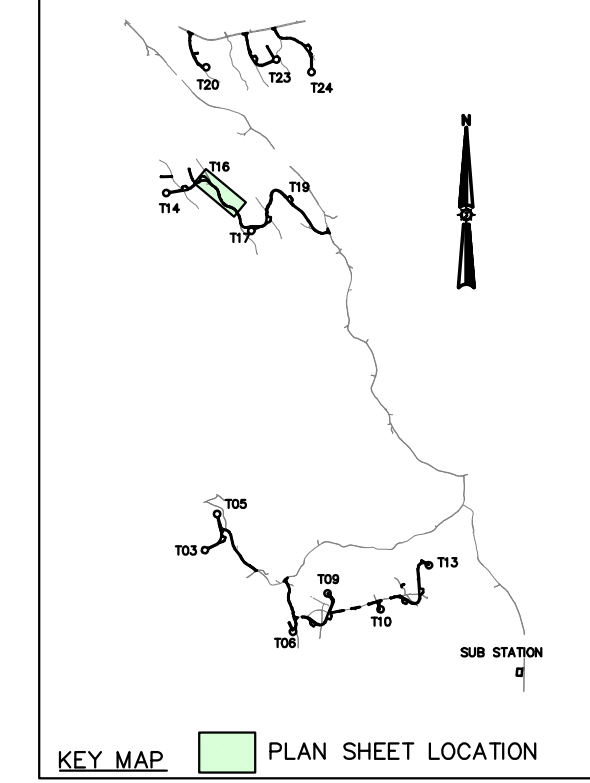
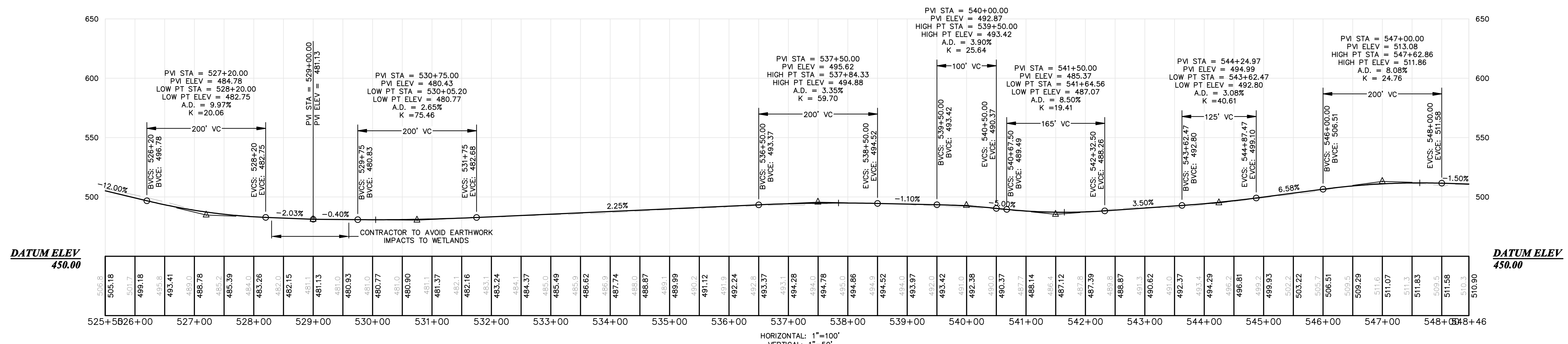
NOT FOR CONSTRUCTION



PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 516+00 TO 528+25 AND 529+75 TO 548+50 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING LOGGING ROADS IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD (SEE CROSS SECTIONS) CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.

ACCESS ROAD WEAVER RIDGE

525+50.00 - 548+45.66



Drawn By	JAO/MT
Checked By	JAO
Designed By	BCH
Date	10/29/2018
Scale	H: 1" = 100' V: 1" = 50'
Project Location	129 MIDDLE STREET PORTLAND, ME
Drawing Description	WEAVER WIND PROJECT WEAVER WIND, LLC EASTBROOK, OSBORN, T16MD, MAINE EEN AND WEAVER RIDGES EEN CRANE PATH
Approved	BCH

84176E

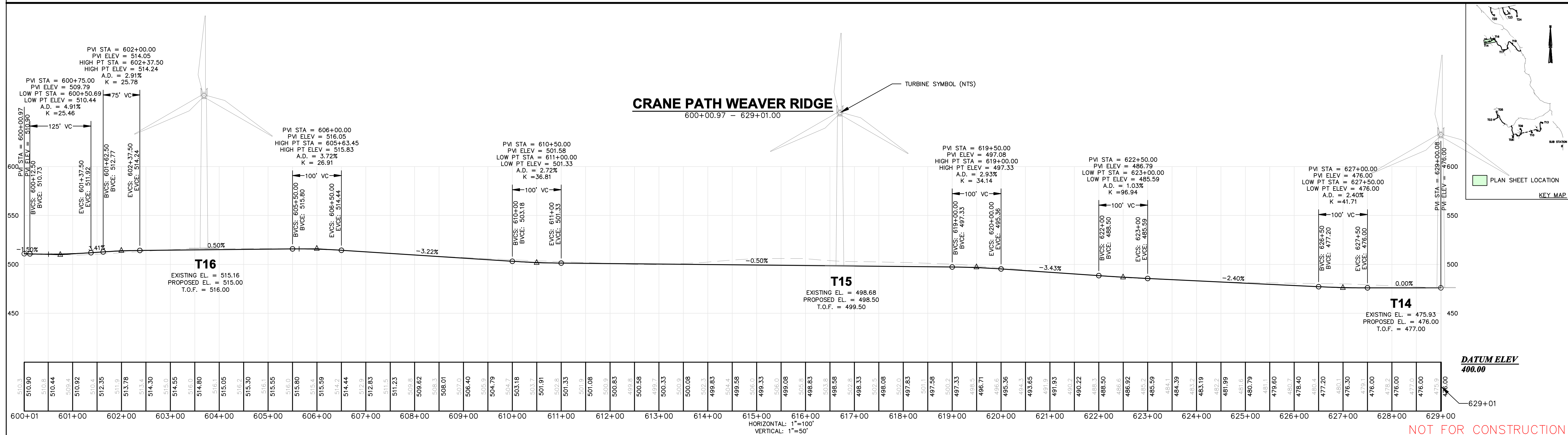
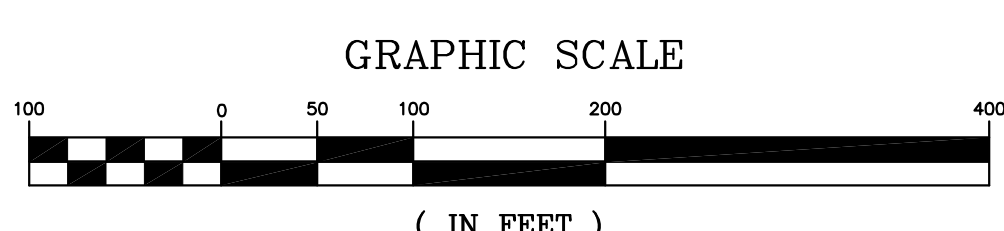
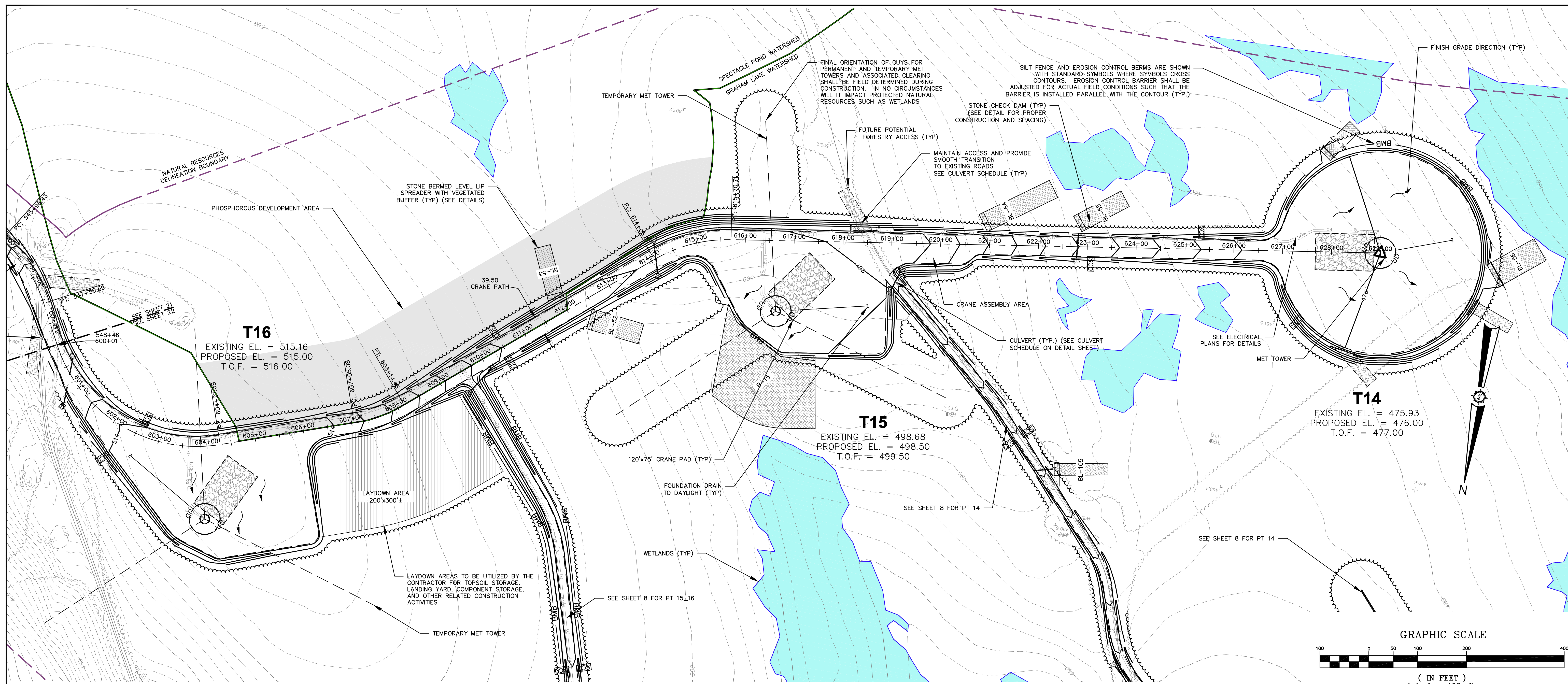
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800.648.4202
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Project No. **PERMIT**

Sheet No. **21**

NOT FOR CONSTRUCTION



Drawn By: JAO/NT	Checked: JAO
Date: 10/29/2018	Approved: BOH
Scale: H: 1"=100' V: 1"=50'	Project No: 84176E
Project Location: PORTLAND, ME	Project Name: WEAVER WIND PROJECT
Client: WEAVER WIND, LLC	Contract No: 1800
Location: EASTBROOK, OSBORN, T16MD, MAINE	Sheet No: 22
Drawn Description: EEN AND WEAVER RIDGES	Scale: 1"=100'
Drawn Date: 10/29/2018	Scale: 1"=50'
Drawn By: JAO/NT	Scale: 1"=100'
Drawn Date: 10/29/2018	Scale: 1"=50'
Drawn By: JAO/NT	Scale: 1"=100'
Drawn Date: 10/29/2018	Scale: 1"=50'

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 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS

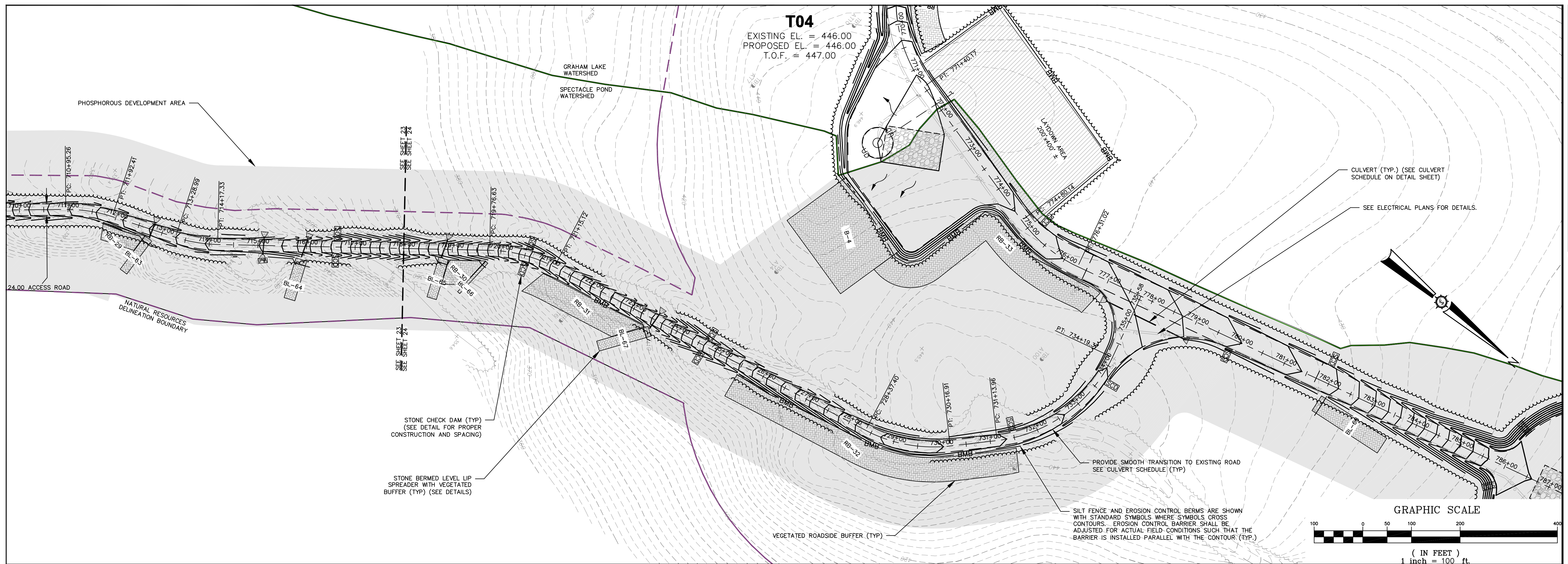
SEWALL
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84176E

PERMIT

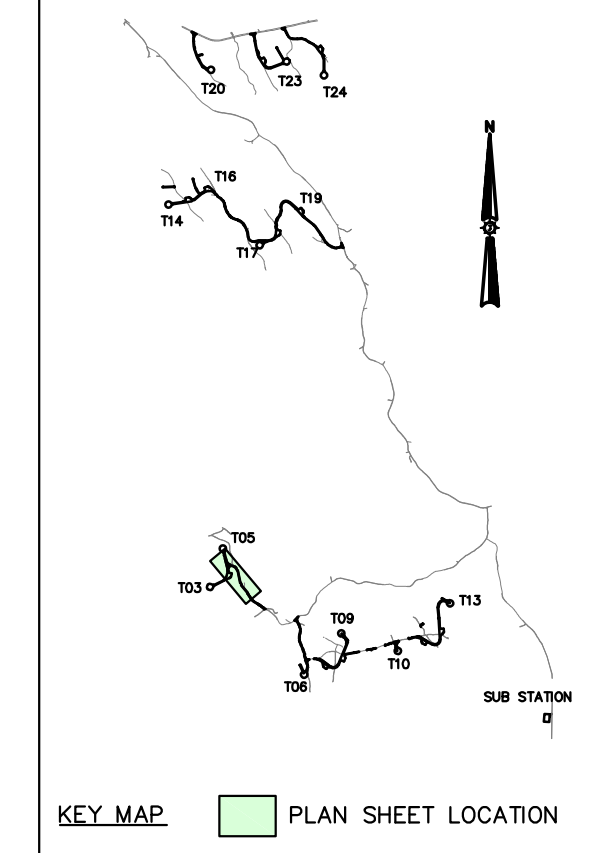
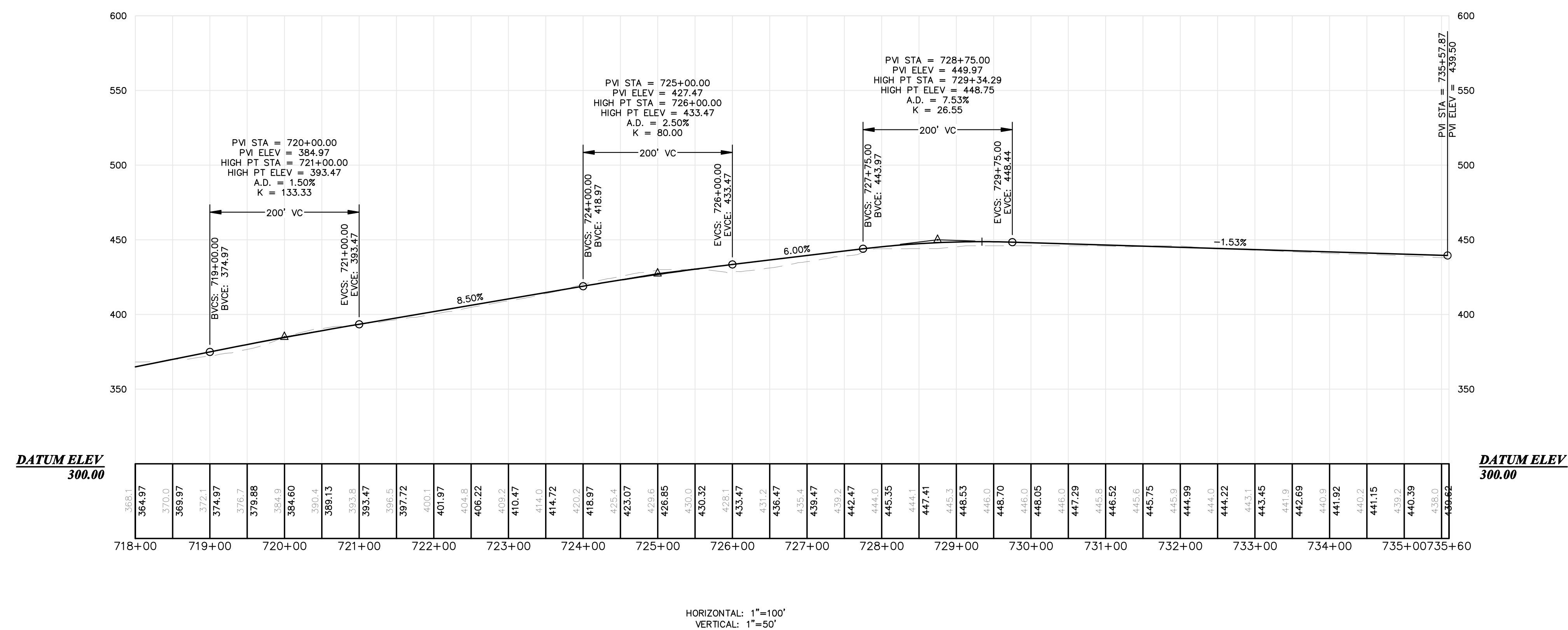
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NOT FOR CONSTRUCTION



PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 700+00 TO 732+00 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING LOGGING ROAD IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD (SEE CROSS SECTIONS) CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.

ACCESS ROAD LBH WEST
 718+00.00 - 735+60.00



Drawn By	JAO/NT
Checked By	BCH
Project Location	PORTLAND, ME
Scale	H: 1" = 100' V: 1" = 50'
Approved	BCH
Checked	JAO

WEAVER WIND PROJECT
WEAVER WIND, LLC
 129 MIDDLE STREET
 PORTLAND, ME
 EASTBROOK, OSBORN, T16MD, MAINE
 LITTLE BULL HILL WEST
 ACCESS ROAD

Project No: **84176E**

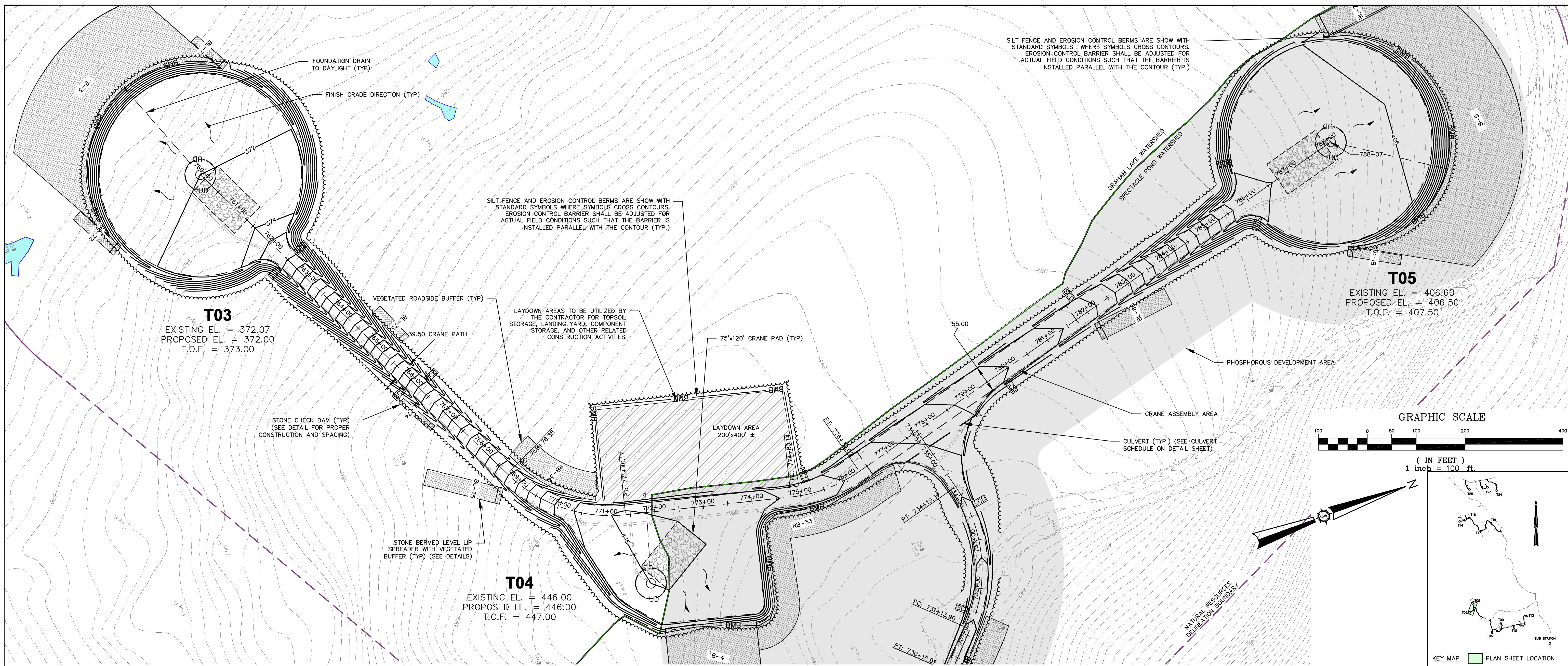
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 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS

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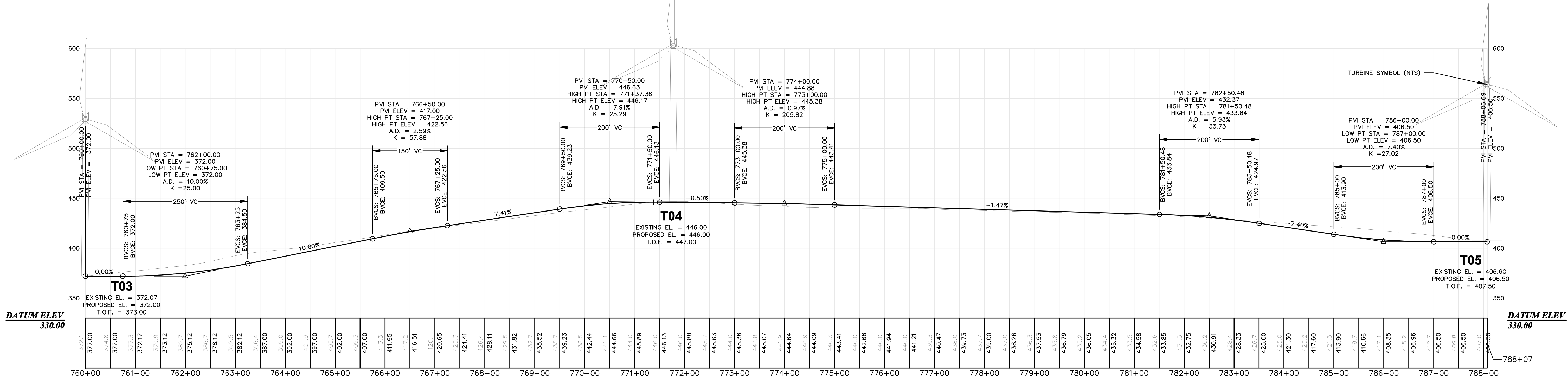
Phase: **PERMIT**

Sheet No: **24**

NOT FOR CONSTRUCTION



CRANE PATH LBH WEST
760+00.00 - 788+07.00



Drawn By	JAO/NT
Checked By	JAO
Project Location	PORTLAND, ME
Scale	H: 1"=100' V: 1"=50'
Approved	JAO
Drawn Description	CRANE PATH LBH WEST
Project No.	84176E
Phase	PERMIT
Sheet No.	25

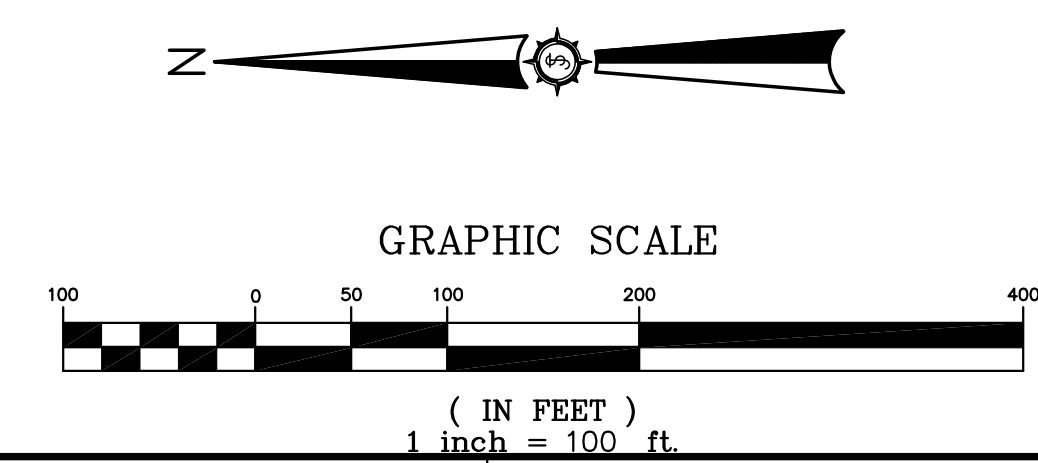
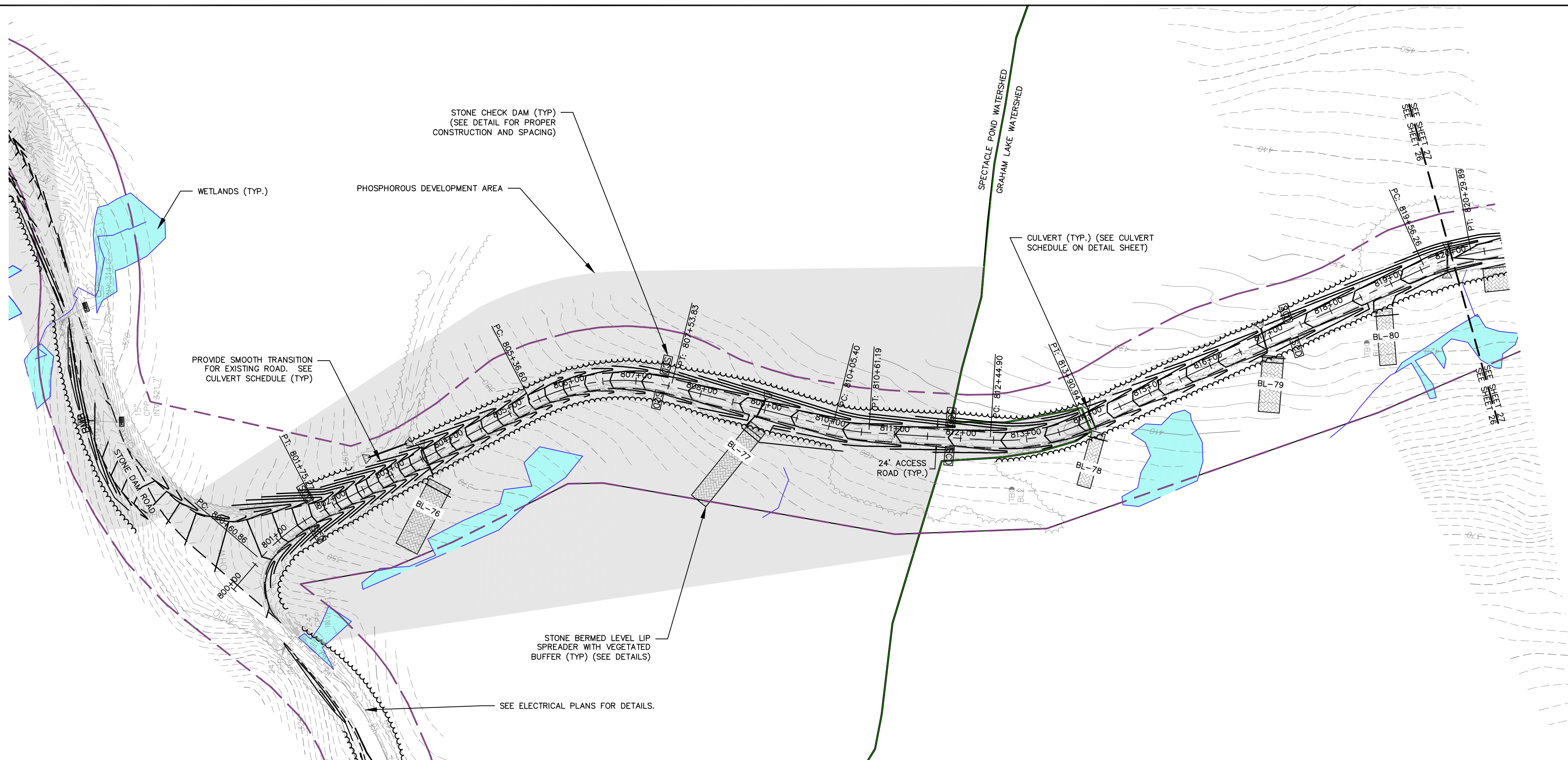
WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
EASTBROOK, OSBORN, T16MD, MAINE
LITTLE BULL HILL WEST
ACCESS ROAD

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800.648.4202

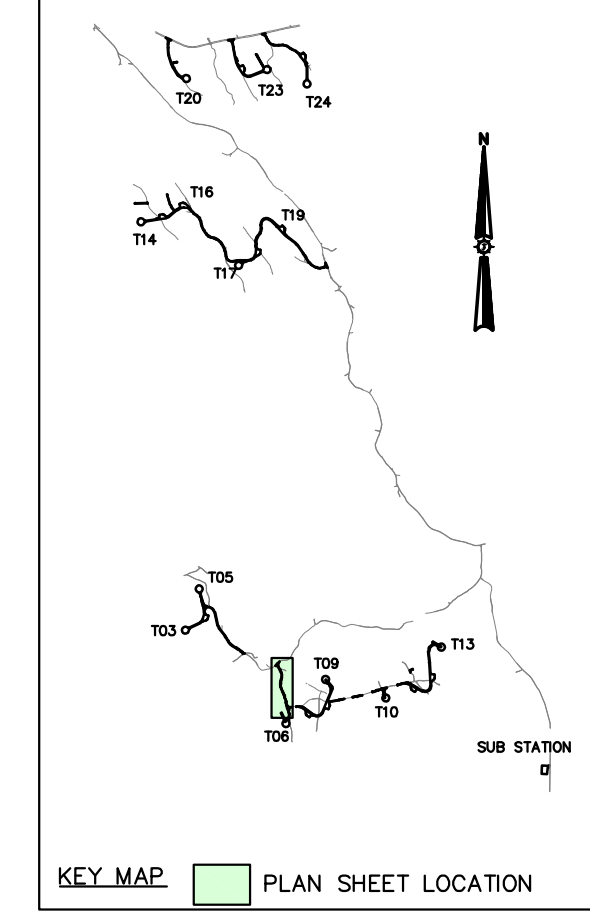
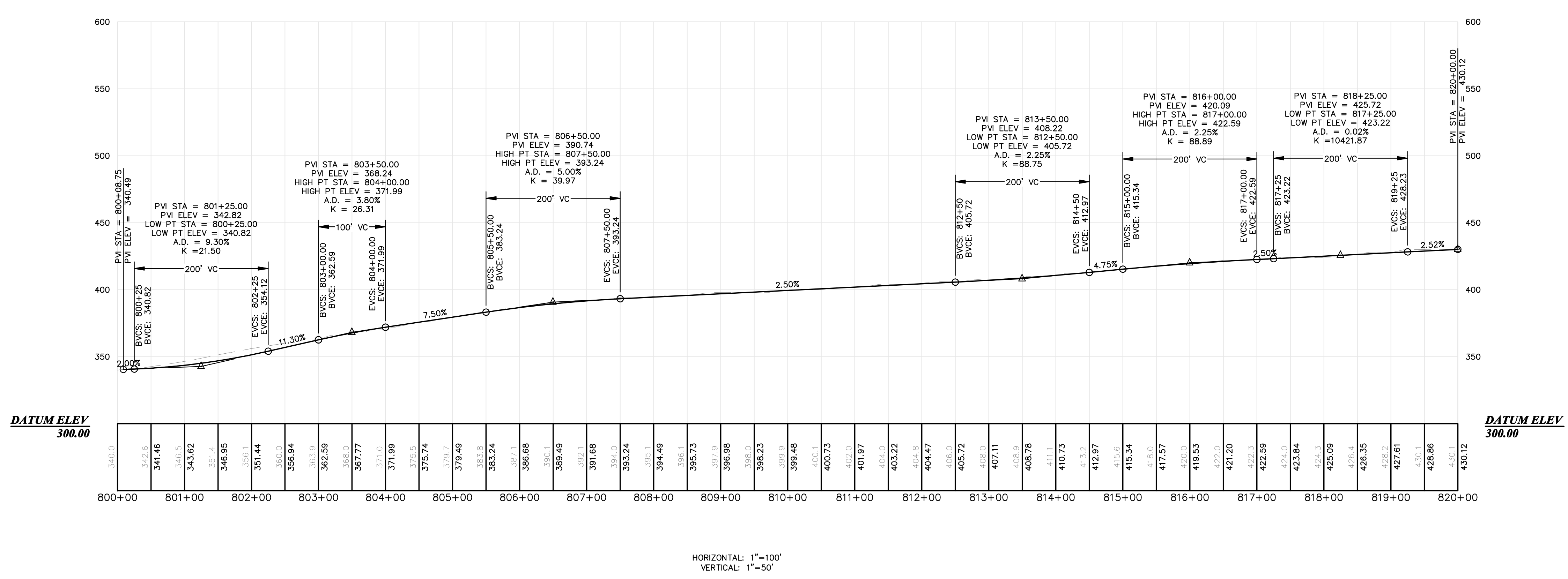
STATE OF MAINE
Professional Seal
Professional Engineer
No. 10747
Exp. 12/31/2018

NOT FOR CONSTRUCTION



PROFILE INFORMATION SHOWN FROM APPROXIMATE STATION 800+00 TO 822+00 IS FOR REFERENCE PURPOSES ONLY. RECONSTRUCTION OF EXISTING LOGGING ROAD IN THIS AREA SHALL BE LIMITED TO WIDENING, DITCHING, AND REGRADING ONLY AS NECESSARY TO PROVIDE A 24' WIDE ACCESS ROAD (SEE CROSS SECTIONS) CAPABLE OF SUPPORTING ALL CONSTRUCTION AND OPERATIONAL VEHICLES. VERTICAL CURVE TRANSITIONS (IF ANY) SHALL BE FIELD DETERMINED.

ACCESS ROAD LBH T6
800+00.00 - 820+00.00



WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
PORTLAND, ME

Project Location
EASTBROOK, OSBORN, T16MD, MAINE

Drawing Description
LITTLE BULL HILL
ACCESS ROAD

Drawn By: JAO/NT
Checked: JAO

Designed By: BCH
Date: 10/29/2018
Scale: H: 1" = 100' V: 1" = 50'

Approved: BCH
4/17/19

Rev.	By	Description	Date

Project No: **84176E**

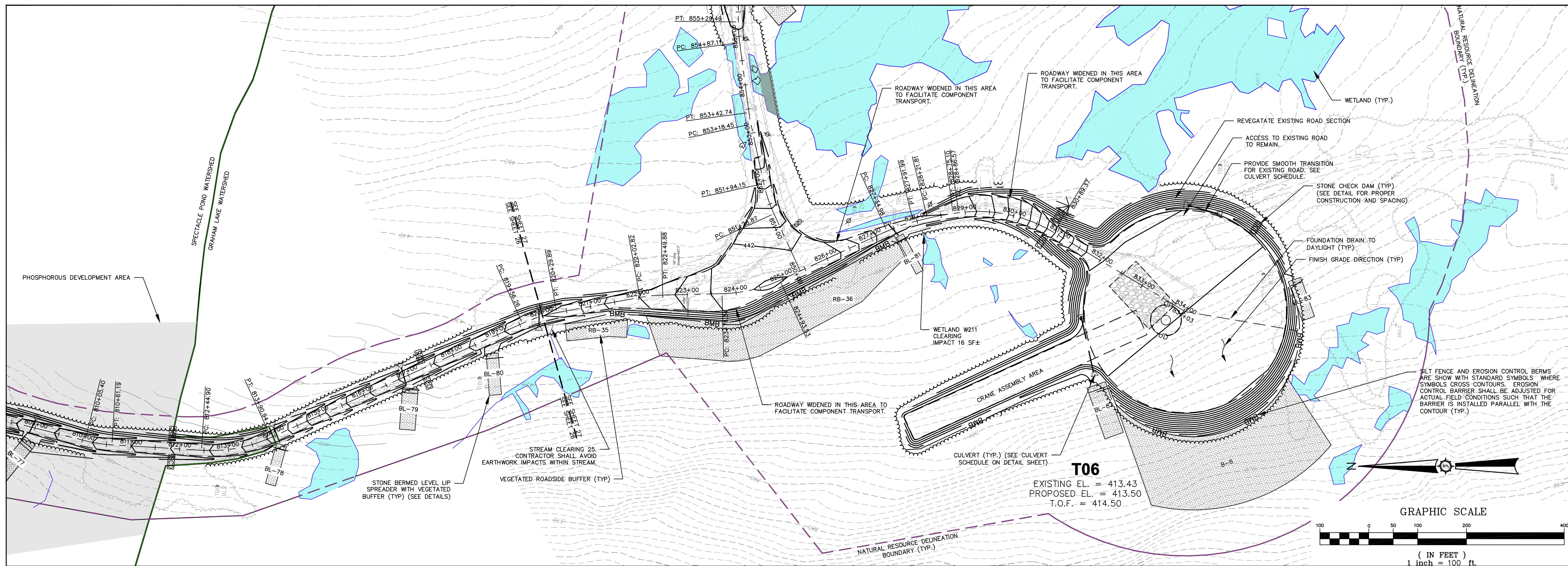
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SURVEYING AND NATURAL
RESOURCE CONSULTANTS

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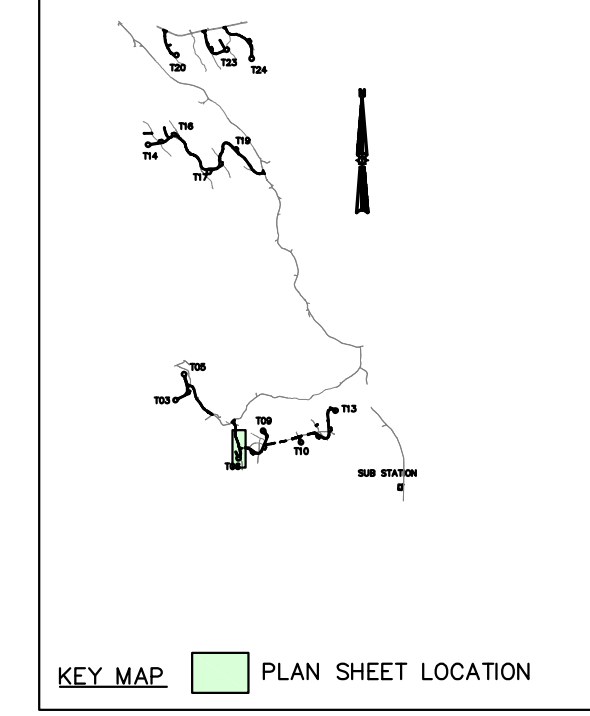
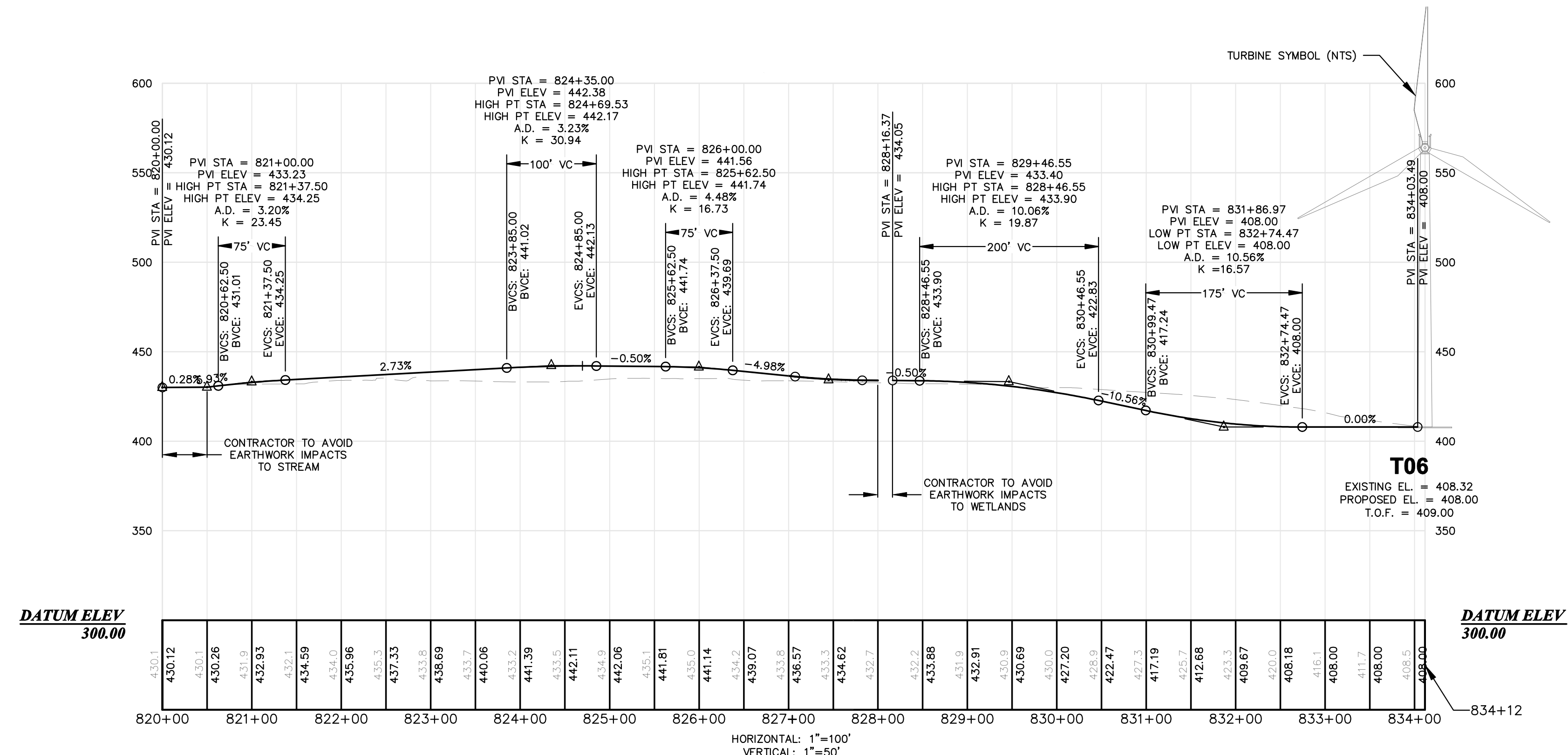
Phase: **PERMIT**

Sheet No: **26**

NOT FOR CONSTRUCTION

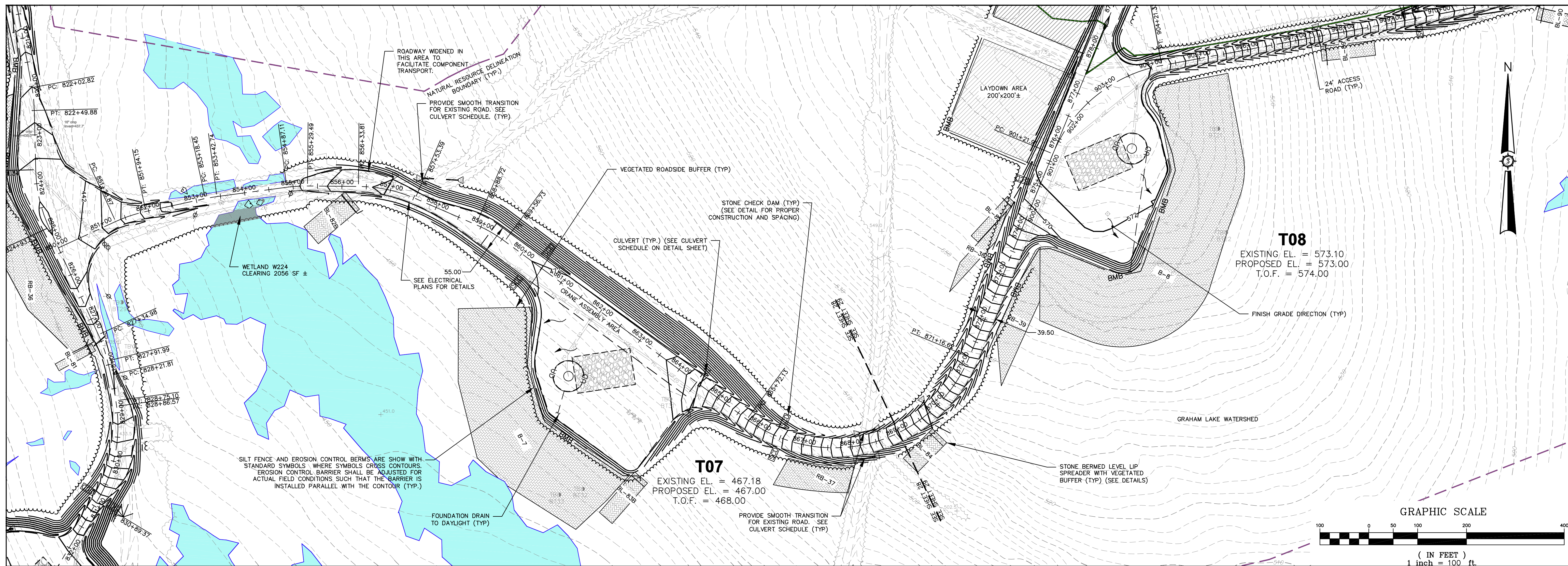


ACCESS ROAD LBH T6
820+00.00 - 834+06.94



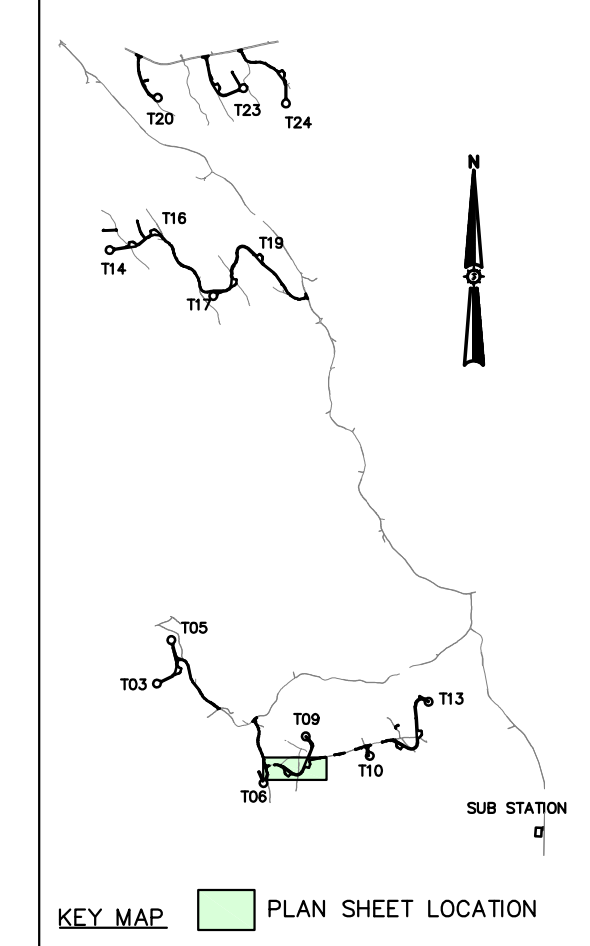
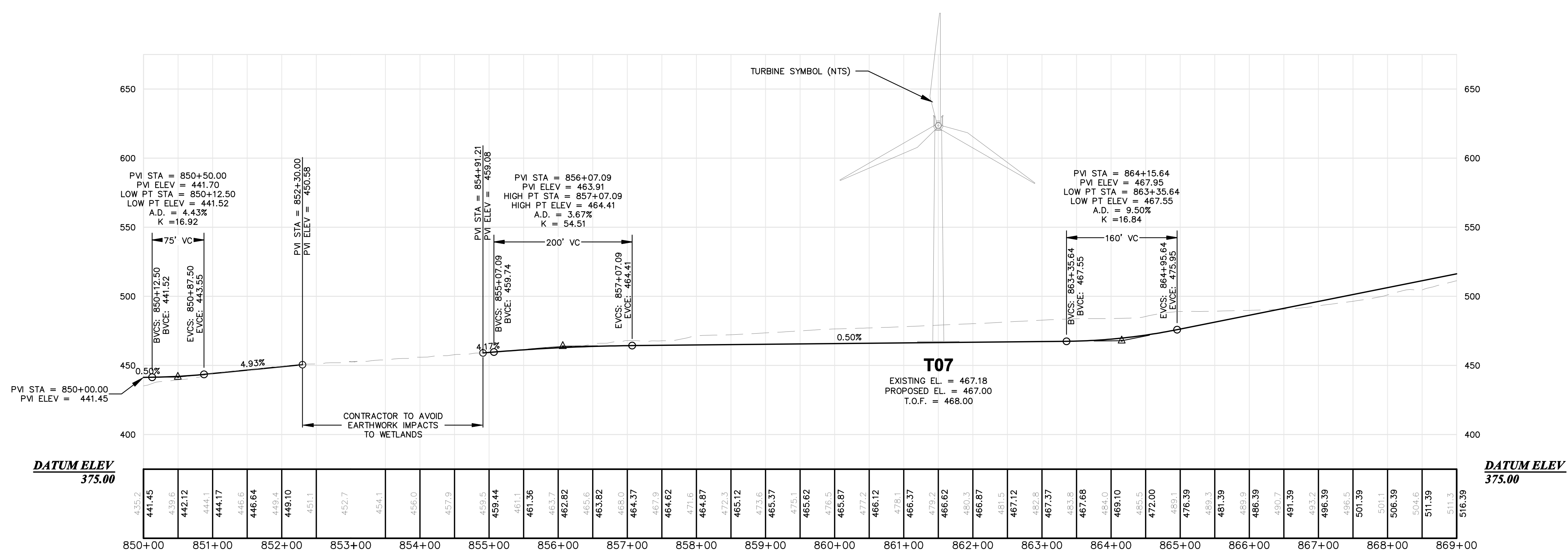
Project No.	84176E
Phase	PERMIT
Sheet No.	27
Project Location	129 MIDDLE STREET EASTBROOK, OSBORN, T16MD, MAINE
Client	WEAVER WIND PROJECT WEAVER WIND, LLC
Engineer	JAMES W. SEWALL COMPANY / Since 1880 800.648.4202 SEWALL.COM
Professional Seal	Professional Engineer JAMES W. SEWALL No. 10749 MAINE
Drawn	BOCH
Checked	JAO
Approved	JAO
Scale	H: 1" = 100' V: 1" = 50'
Date	10/29/2018
Drawn By	JAO/NT
Checked By	BOCH
Drawn By Description	REVISED PRELIM BY WETLAND
Checked By Description	
Date	1/22/21

NOT FOR CONSTRUCTION



Drawn By	JAO/NT
Checked By	BOH
Designated By	JAO/NT
Date	10/29/2018
Scale	H: 1" = 100' V: 1" = 50'
Approved	BOH
Checked	JAO

ACCESS ROAD AND CRANE PATH LBH T9
850+00.00 - 869+00.00

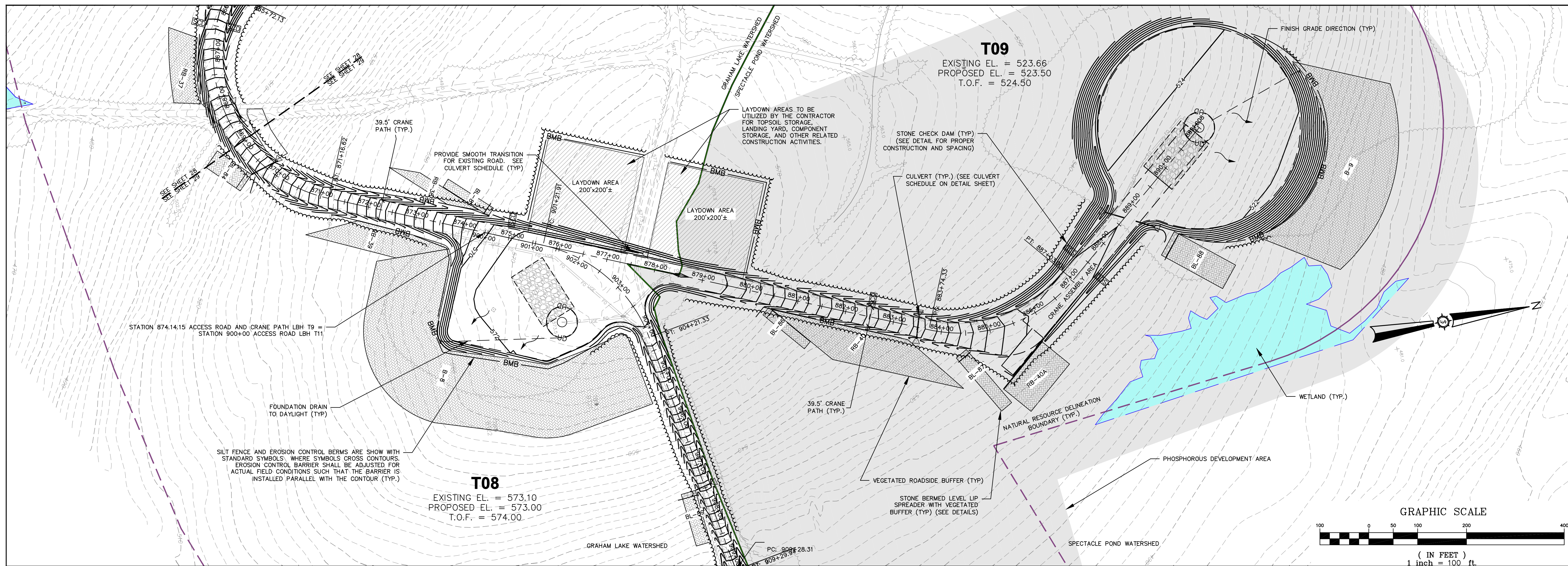


HORIZONTAL: 1"=100'
VERTICAL: 1"=50'

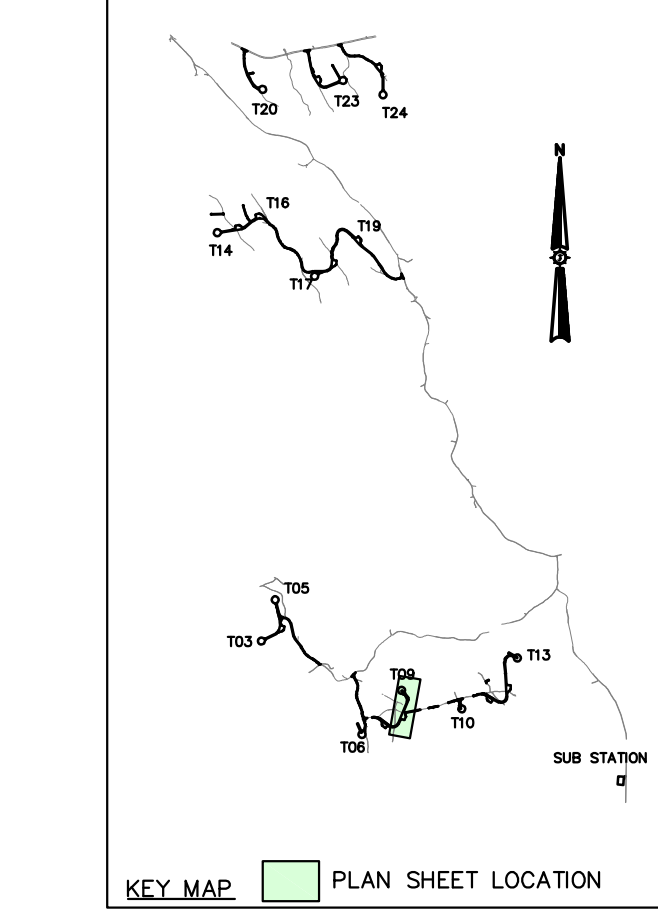
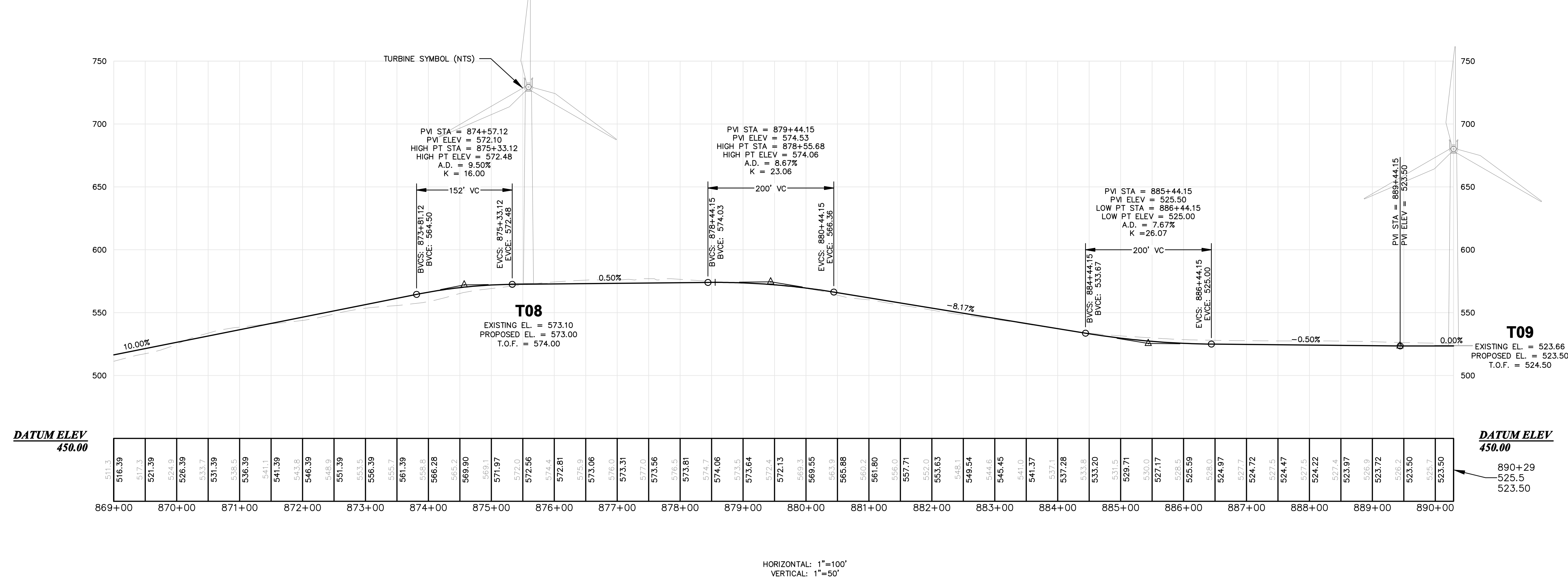
WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
PORTLAND, ME
EASTBROOK, OSBORN, T16MD, MAINE
LITTLE BULL HILL
ACCESS ROAD

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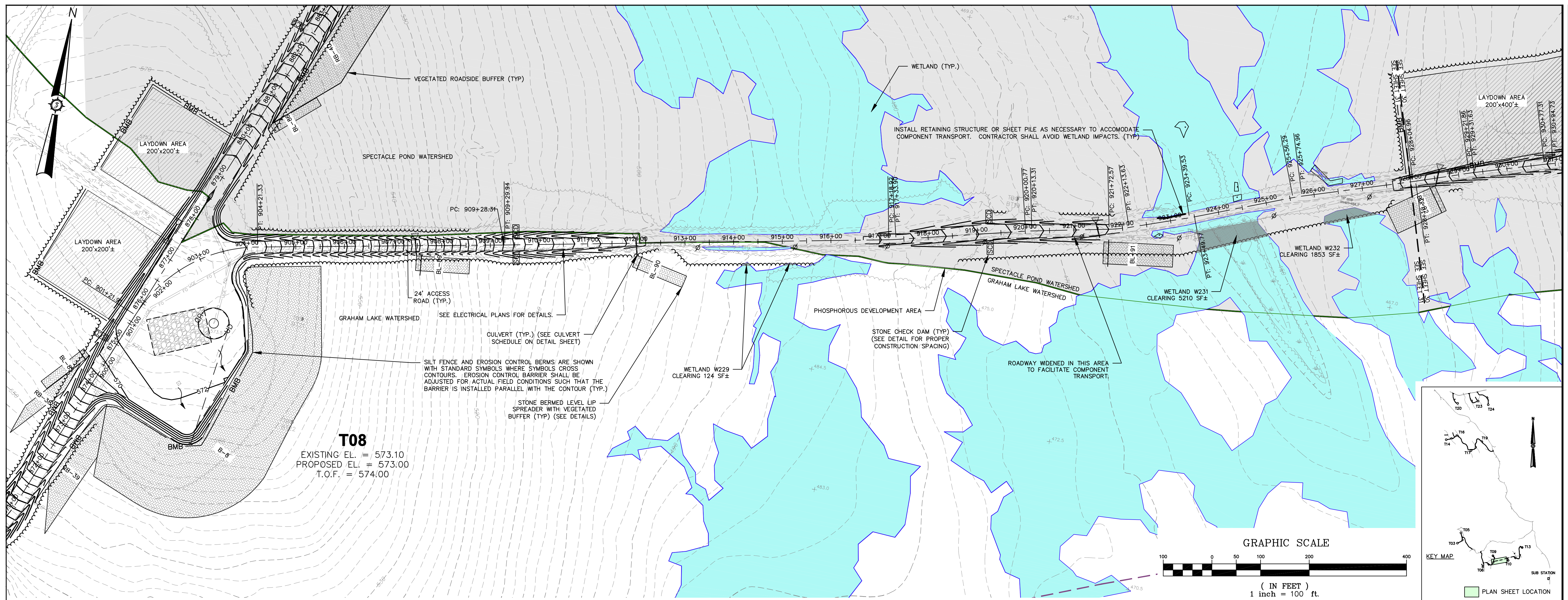


ACCESS ROAD AND CRANE PATH LBH T9
869+00.00 - 890+29.10



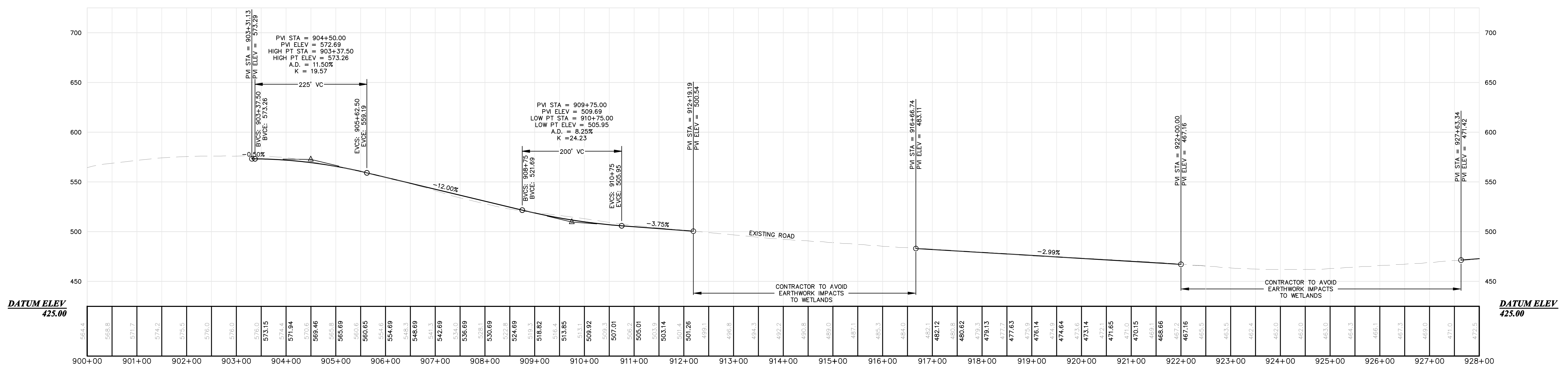
Project No.	84176E
Phase	PERMIT
Sheet No.	29
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC
Project Location	129 MIDDLE STREET PORTLAND, ME
Drawing Description	EASTBROOK, OSBORN, T16MD, MAINE LITTLE BULL HILL ACCESS ROAD AND CRANE PATH
Engineer	SEWALL AN INTEGRATED TEAM OF GEOSPATIAL ENGINEERING, SURVEYING AND NATURAL RESOURCE CONSULTANTS JAMES W. SEWALL COMPANY (Since 1880) 800.648.4202 SEWALL.COM
Drawn By	JAO/NT
Checked By	JAO
Designed By	BCH
Date	10/29/2018
Scale	H: 1" = 100' V: 1" = 50'
Approved	JAO
Rev.	Description

NOT FOR CONSTRUCTION



ACCESS ROAD LBH T11
 900+00.00 - 928+00.00

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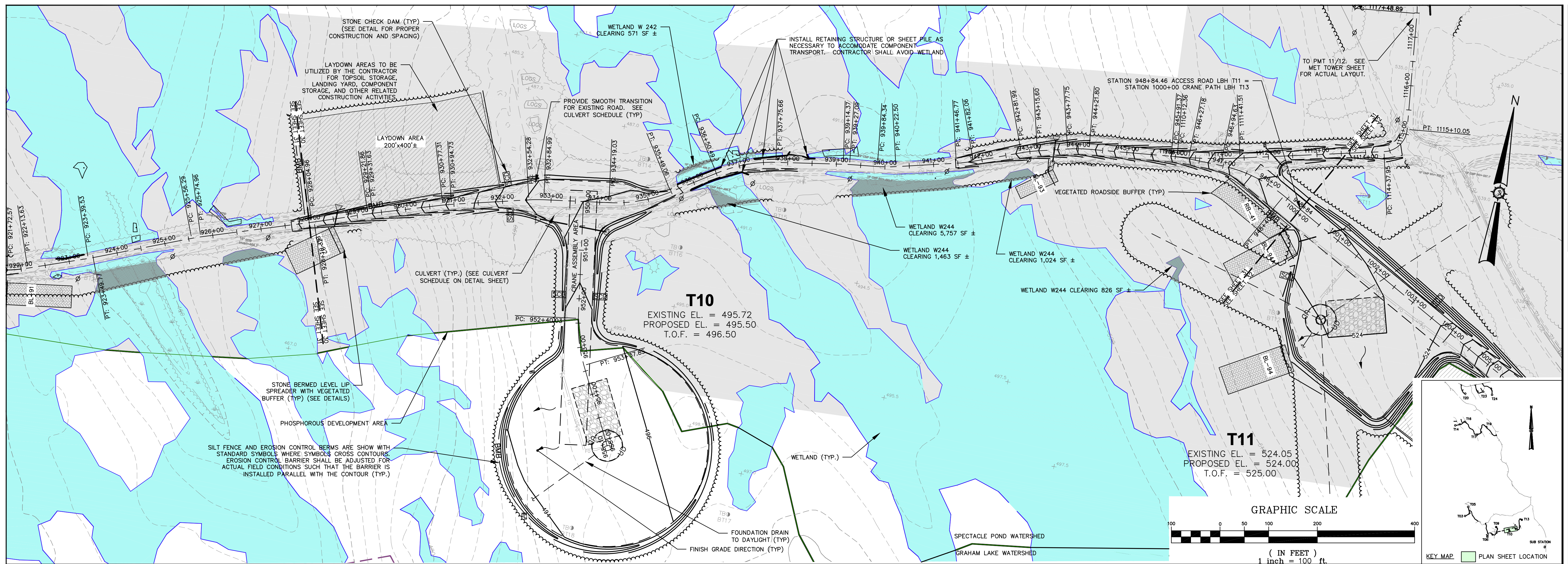


HORIZONTAL: 1"=100'
 VERTICAL: 1"=50'

Drawn By	JAO/NT
Checked By	JAO
Design Date	10/29/2018
Project Location	129 MIDDLE STREET PORTLAND, ME
Scale	H: 1"=100' V: 1"=50'
Approved	JAO
Checked	JAO
Drawn Description	WEAVER WIND PROJECT WEAVER WIND, LLC LITTLE BULL HILL ACCESS ROAD T11
Project No.	84176E
Phase	PERMIT
Sheet No.	30

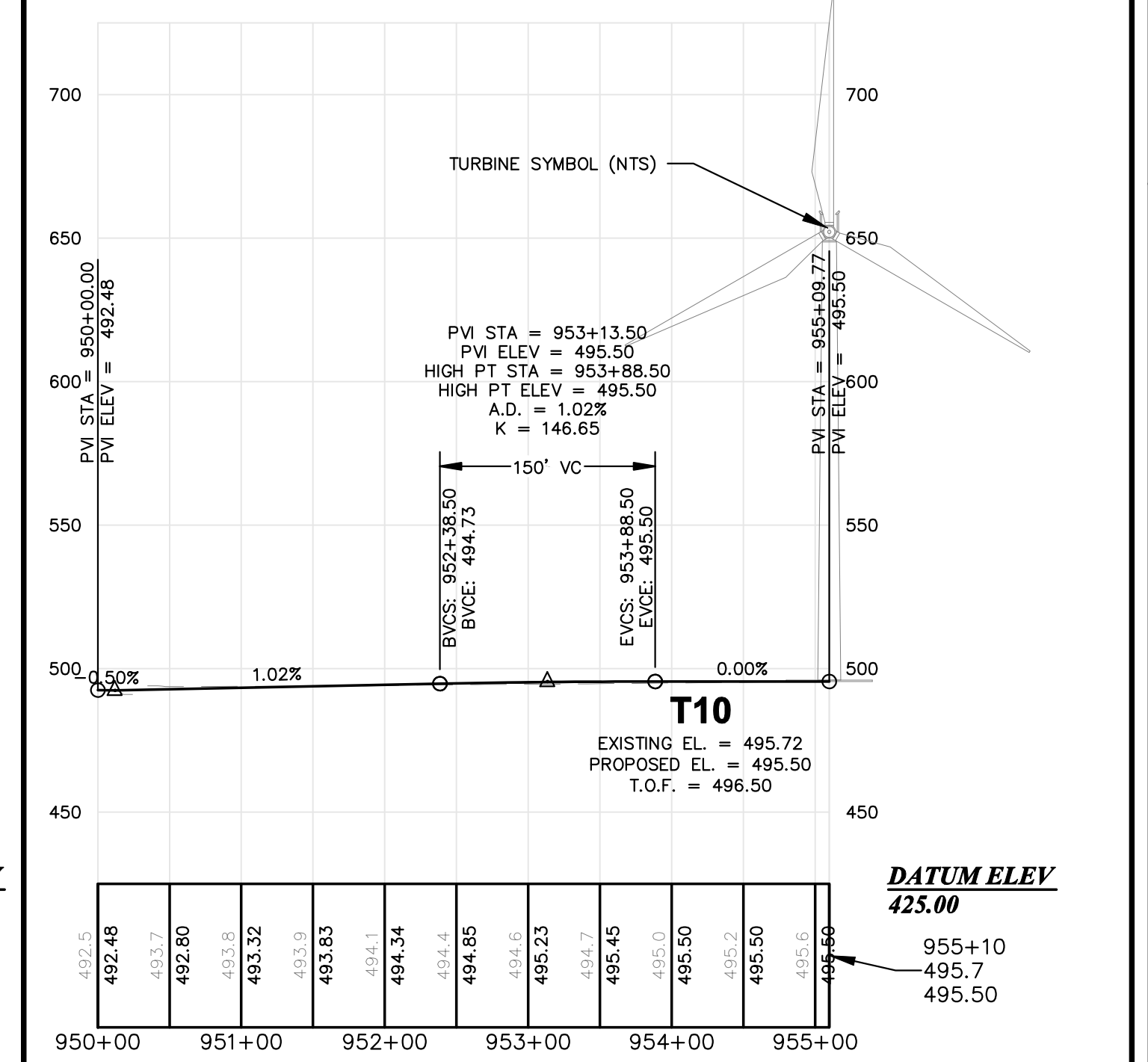
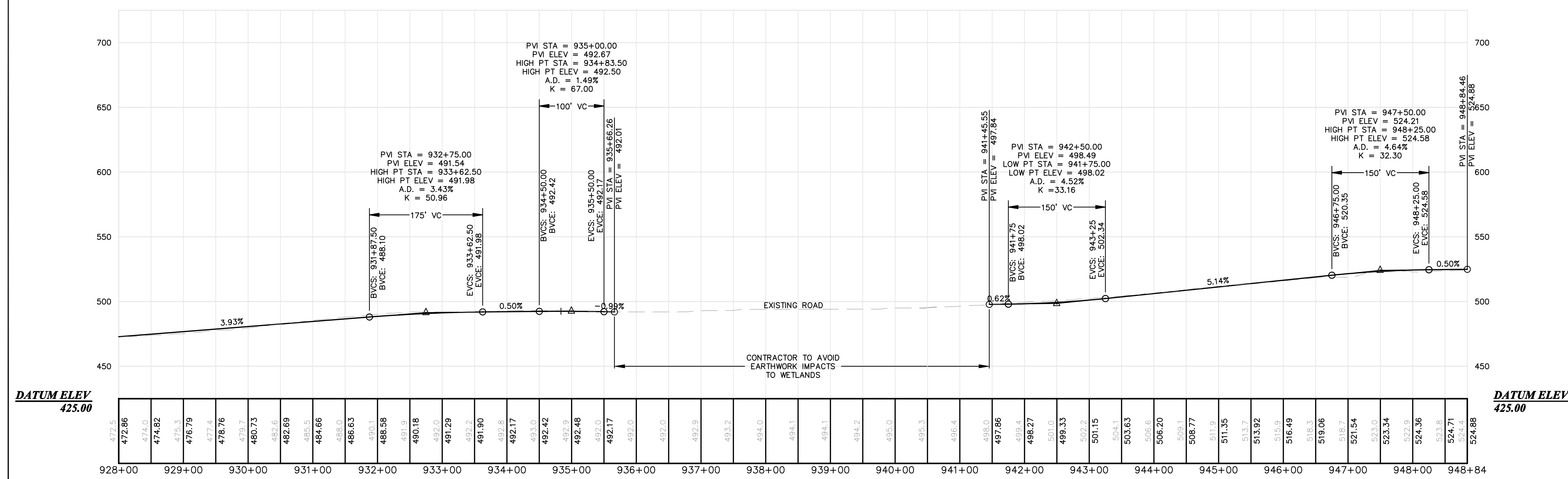
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ACCESS ROAD LBH T11
928+00.00 - 948+84.46

ACCESS ROAD LBH T10
950+00.00 - 955+09.77



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

WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
PORTLAND, ME
EASTBROOK, OSBORN, T16MD, MAINE
LITTLE BULL HILL
ACCESS ROAD T11, CRANE PATH T10

Drawn: JAO
Checked: JAO
Approved: BOH
Date: 10/29/2018
Scale: H: 1"=100' V: 1"=50'

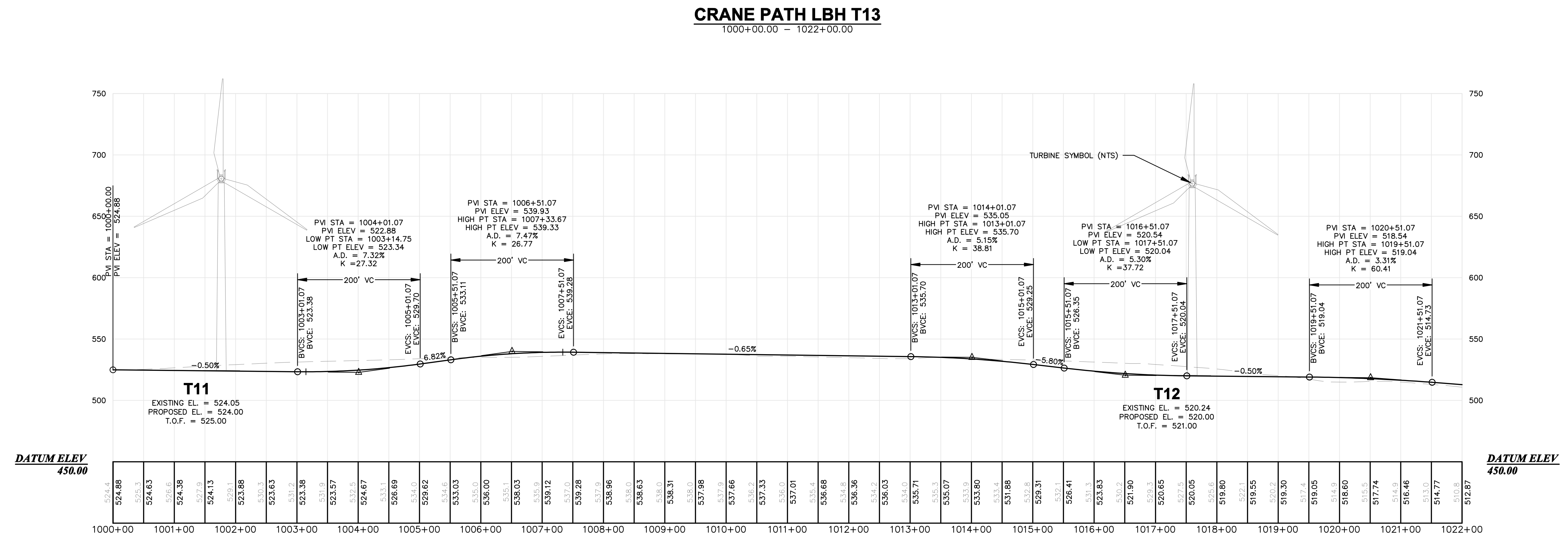
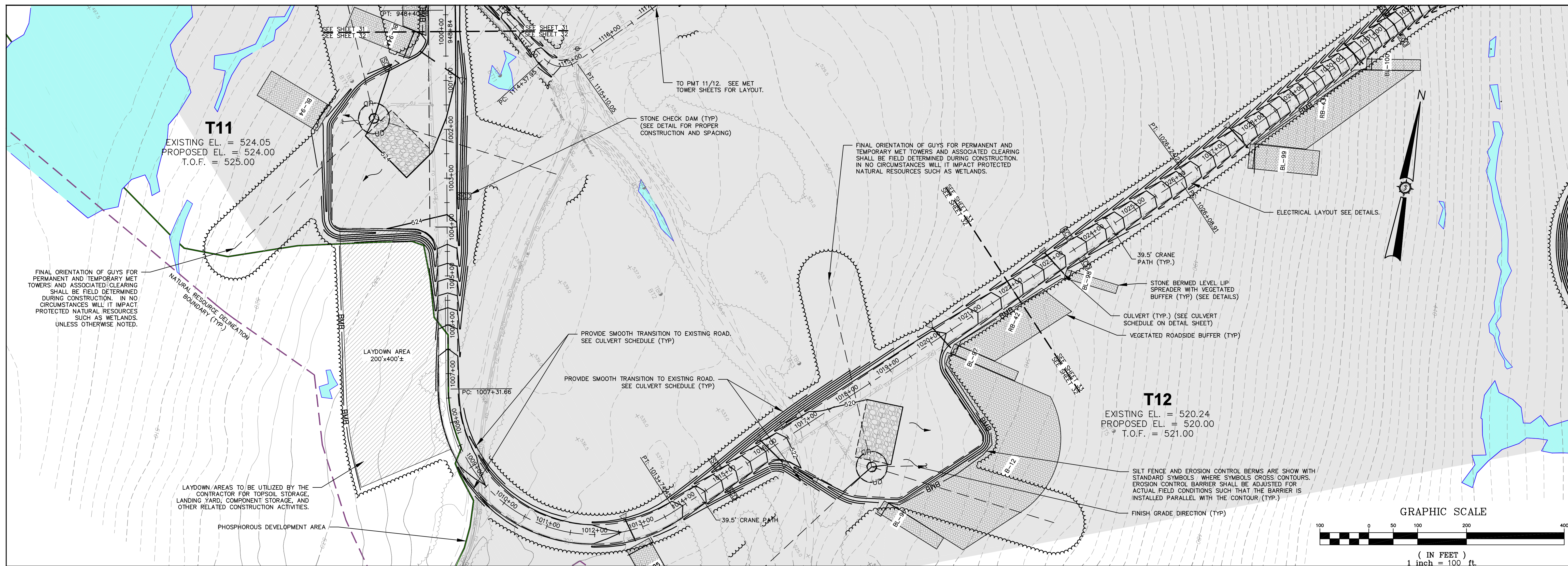
84176E

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Sheet No. **31**

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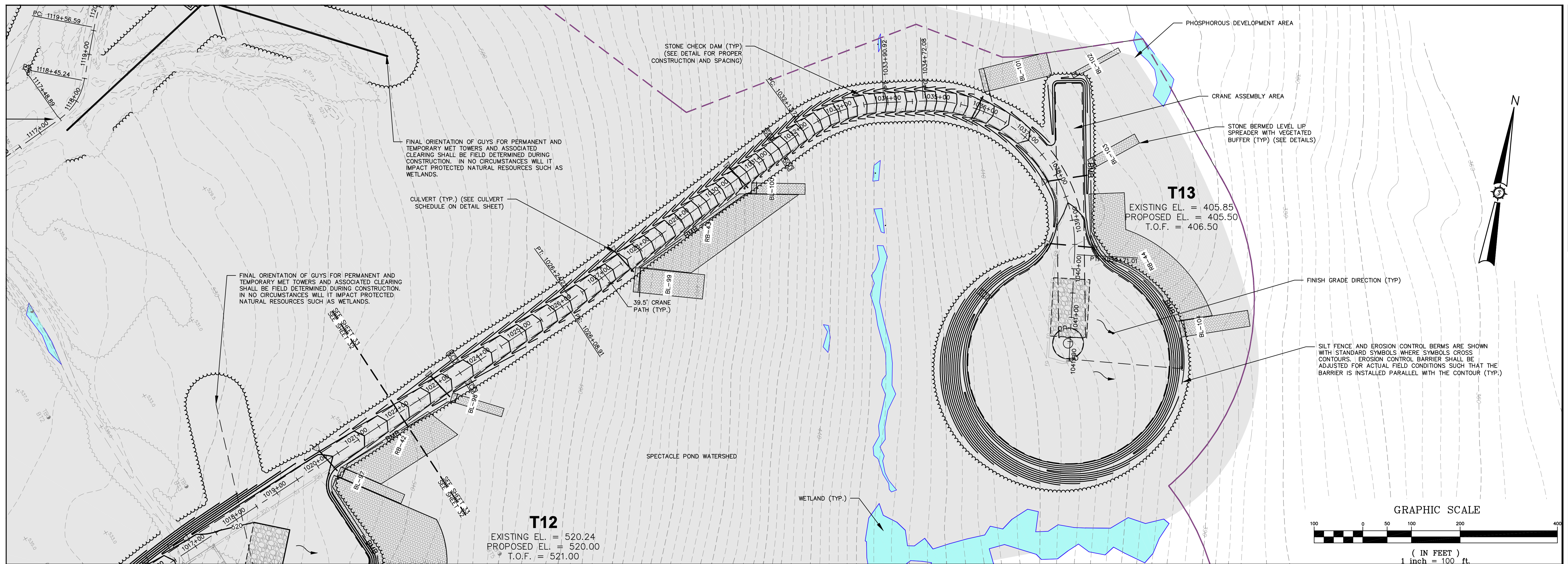
Project No.	84176E
Phase	PERMIT
Sheet No.	32
Engineer	SEWALL
Project Location	129 MIDDLE STREET PORTLAND, ME
Project Name	WEAVER WIND PROJECT WEAVER WIND, LLC
Project Location	EASTBROOK, OSBORN, T16MD, MAINE
Drawing Description	LITTLE BULL HILL CRANE PATH T13
Scale	H: 1" = 100' V: 1" = 50'
Drawn By	JAO/NT
Checked	JAO
Designed By	BCH
Date	10/29/2018
Approved	BCH
Drawn By	JAO/NT
Checked	JAO
Designed By	BCH
Date	10/29/2018
Approved	BCH

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SURVEYING AND NATURAL
RESOURCE CONSULTANTS

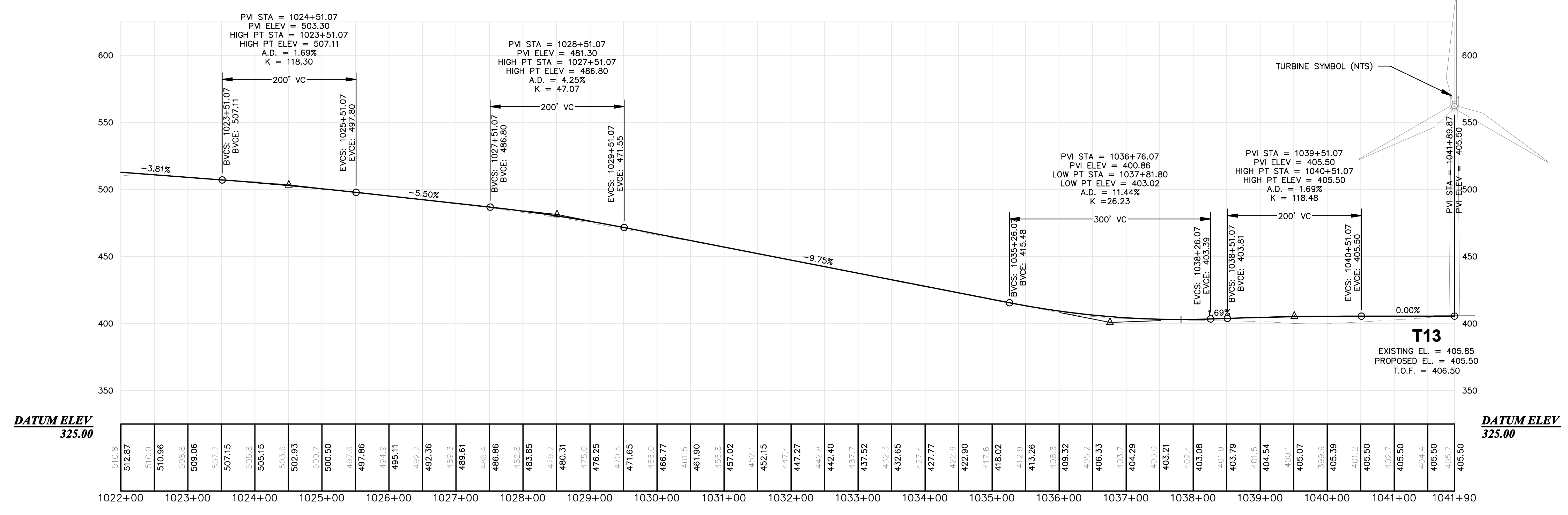
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SEWALL.COM

STATE OF MAINE
Professional Seal
Professional Engineer
No. 10749
Expiration Date 10/31/19

NOT FOR CONSTRUCTION



CRANE PATH LBH T13
1022+00.00 - 1041+89.87



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

WEAVER WIND PROJECT
WEAVER WIND, LLC
PORTLAND, ME
129 MIDDLE STREET
EASTBROOK, OSBORN, T16MD, MAINE
LITTLE BULL HILL
CRANE PATH T13

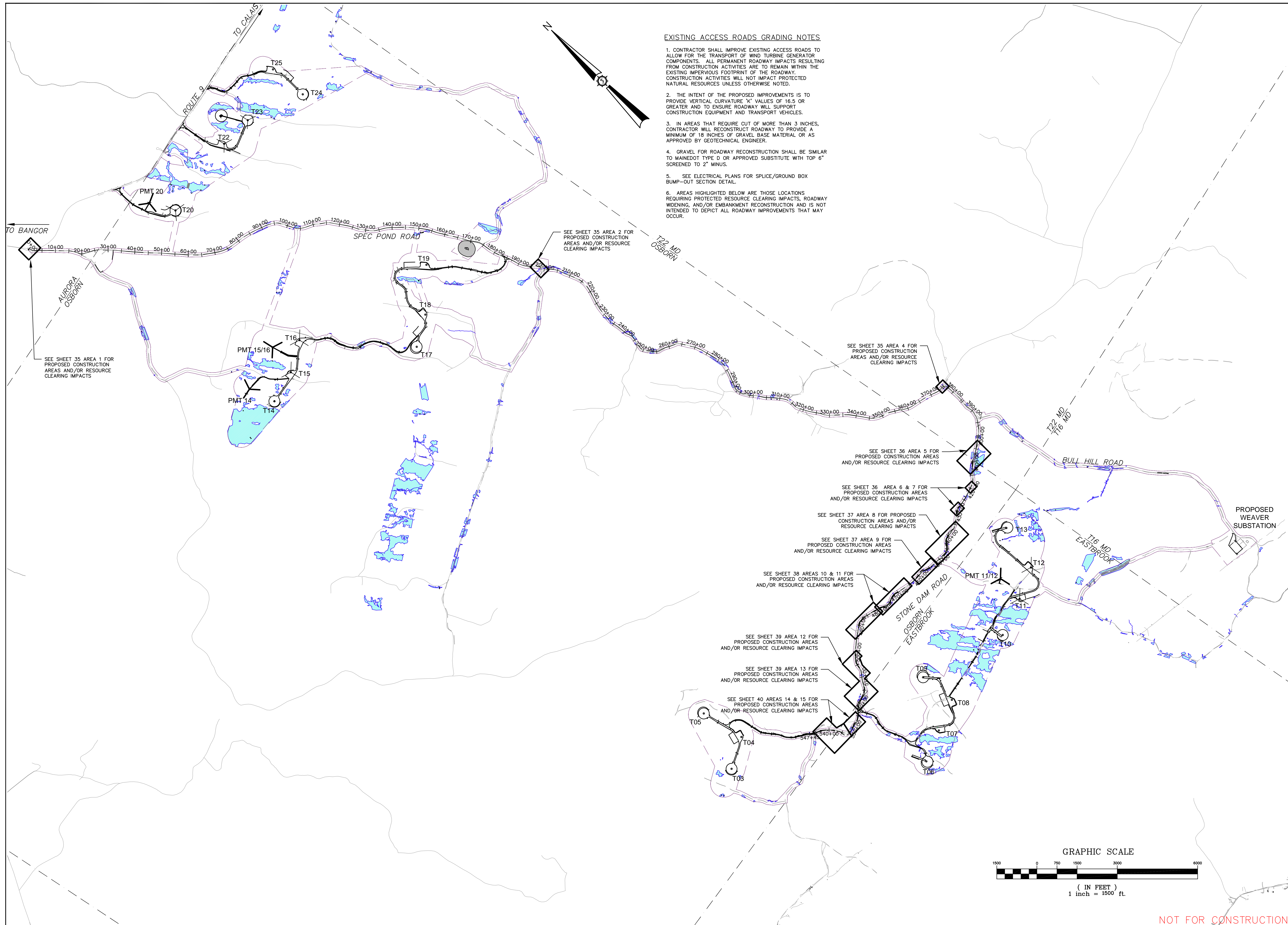
Drawn By: JAO/NT
Checked: JAO
Date: 10/29/2018
Scale: H: 1" = 100' V: 1" = 50'
Approved: BOH

84176E

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RESOURCE CONSULTANTS
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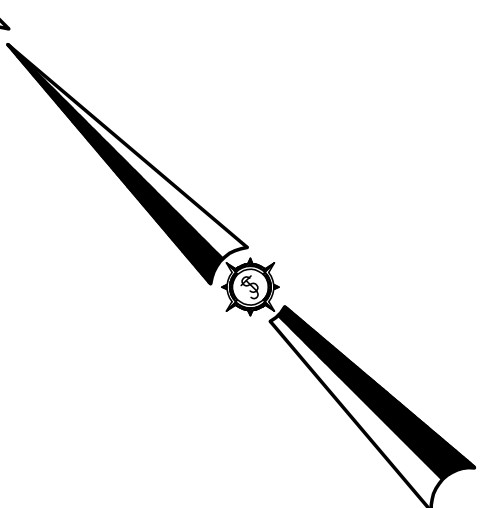
Project No. **PERMIT**
Sheet No. **33**

NOT FOR CONSTRUCTION



EXISTING ACCESS ROADS GRADING NOTES

1. CONTRACTOR SHALL IMPROVE EXISTING ACCESS ROADS TO ALLOW FOR THE TRANSPORT OF WIND TURBINE GENERATOR COMPONENTS. ALL PERMANENT ROADWAY IMPACTS RESULTING FROM CONSTRUCTION ACTIVITIES ARE TO REMAIN WITHIN THE EXISTING IMPERVIOUS FOOTPRINT OF THE ROADWAY. CONSTRUCTION ACTIVITIES WILL NOT IMPACT PROTECTED NATURAL RESOURCES UNLESS OTHERWISE NOTED.
2. THE INTENT OF THE PROPOSED IMPROVEMENTS IS TO PROVIDE VERTICAL CURVATURE "K" VALUES OF 16.5 OR GREATER AND TO ENSURE ROADWAY WILL SUPPORT CONSTRUCTION EQUIPMENT AND TRANSPORT VEHICLES.
3. IN AREAS THAT REQUIRE CUT OF MORE THAN 3 INCHES, CONTRACTOR WILL RECONSTRUCT ROADWAY TO PROVIDE A MINIMUM OF 18 INCHES OF GRAVEL BASE MATERIAL OR AS APPROVED BY GEOTECHNICAL ENGINEER.
4. GRAVEL FOR ROADWAY RECONSTRUCTION SHALL BE SIMILAR TO MAINE DOT TYPE D OR APPROVED SUBSTITUTE WITH TOP 6" SCREENED TO 2" MINUS.
5. SEE ELECTRICAL PLANS FOR SPICE/GROUND BOX BUMP-OUT SECTION DETAIL.
6. AREAS HIGHLIGHTED BELOW ARE THOSE LOCATIONS REQUIRING PROTECTED RESOURCE CLEARING IMPACTS, ROADWAY WIDENING, AND/OR EMBANKMENT RECONSTRUCTION AND IS NOT INTENDED TO DEPICT ALL ROADWAY IMPROVEMENTS THAT MAY OCCUR.



SEE SHEET 35 AREA 1 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 35 AREA 2 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 35 AREA 4 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 36 AREA 5 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 36 AREA 6 & 7 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 37 AREA 8 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 37 AREA 9 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 38 AREAS 10 & 11 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 39 AREA 12 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 39 AREA 13 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

SEE SHEET 40 AREAS 14 & 15 FOR PROPOSED CONSTRUCTION AREAS AND/OR RESOURCE CLEARING IMPACTS

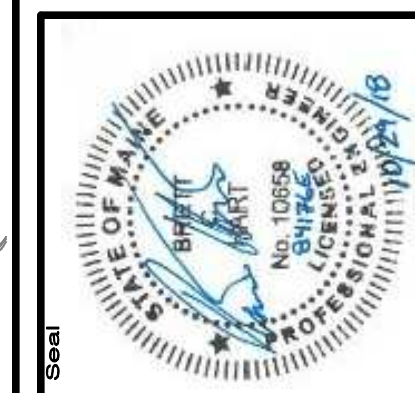
GRAPHIC SCALE



(IN FEET)
1 inch = 1500 ft.

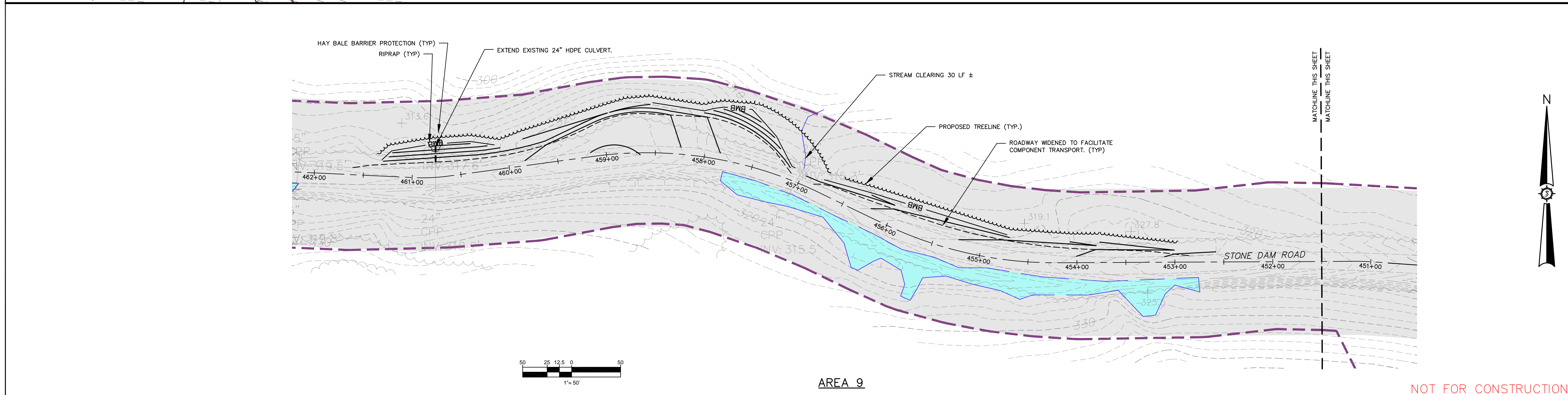
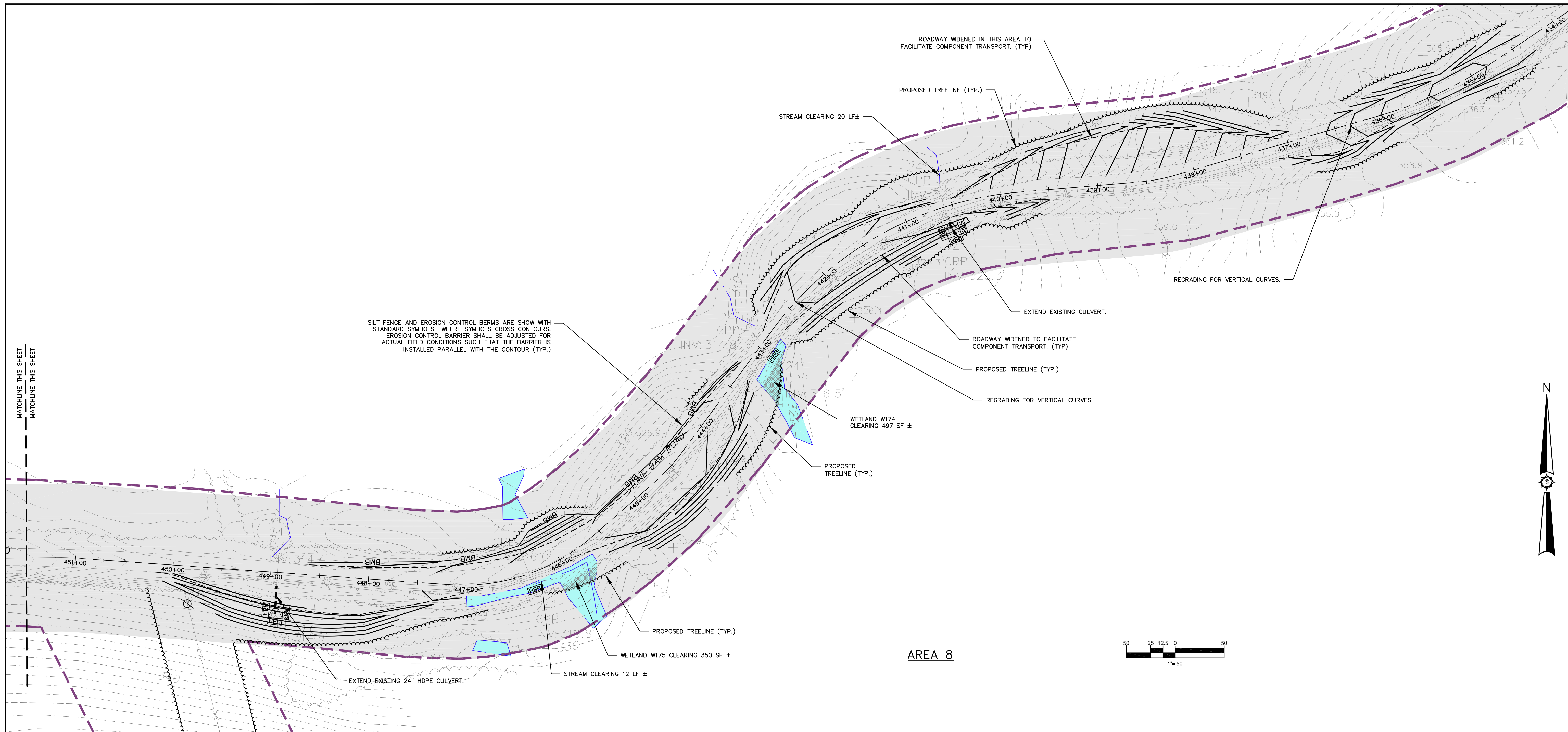
Rev. #	Drawn By	Description	Date

WEAVER WIND PROJECT
WEAVER WIND, LLC
 129 MIDDLE STREET
 PORTLAND, ME
 EASTBROOK, OSBORN, T16MD, MAINE
 Scale: 1" = 1,500'
 Date: 10/29/2018
 Drawn By: JAO/MT
 Checked: JAO
 Approved: BCH



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NOT FOR CONSTRUCTION

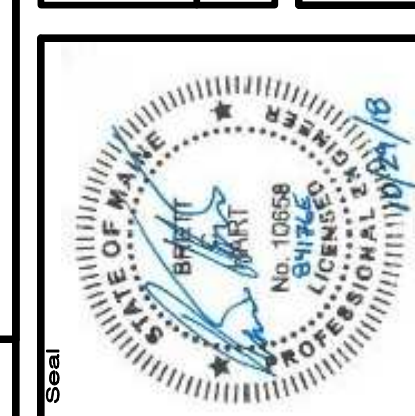


Rev. #	Drawn By	Description	Date

Designed By	JAC/MT
Drawn By	BCH
Date	10/29/2018
Project Location	PORTLAND, ME
Scale	1" = 50'
Approved	BCH
Checked	JAO

WEAVER WIND PROJECT
WEAVER WIND, LLC
 129 MIDDLE STREET
 EASTBROOK, OSBORN, T16MD, MAINE

PROJECT ACCESS IMPROVEMENTS



Project No. **84176E**

Engineer

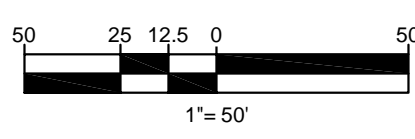
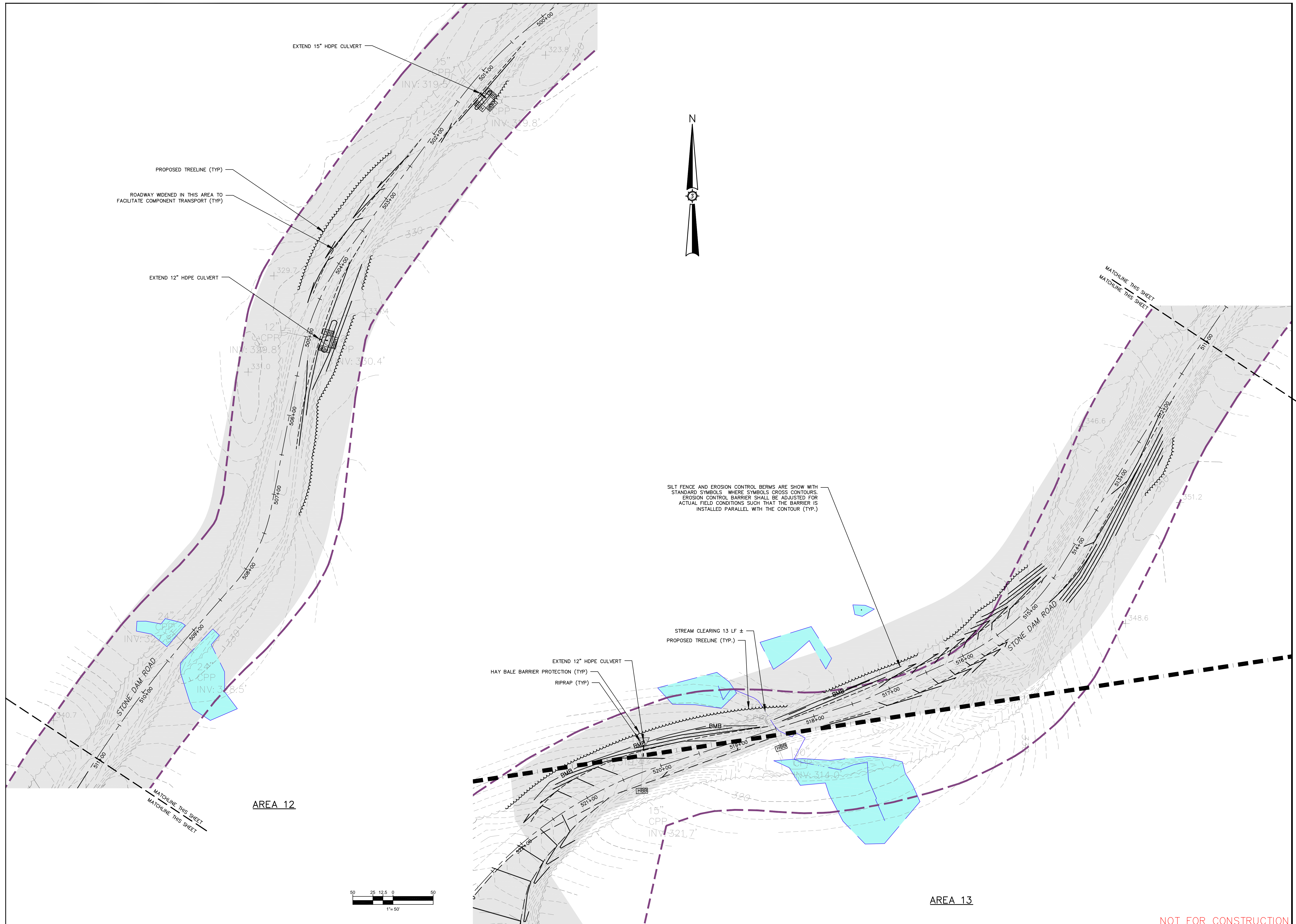
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 SURVEYING AND NATURAL
 RESOURCE CONSULTANTS

JAMES W. SEWALL COMPANY / Since 1880
 SEWALL.COM 800.688.7422

Phase **PERMIT**

Sheet No. **37**

NOT FOR CONSTRUCTION



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.)

PROPOSED TREELINE (TYP.)
ROADWAY WIDENED IN THIS AREA TO FACILITATE COMPONENT TRANSPORT (TYP.)

EXTEND 12" HDPE CULVERT

EXTEND 15" HDPE CULVERT

EXTEND 12" HDPE CULVERT
HAY BALE BARRIER PROTECTION (TYP.)
RIPRAP (TYP.)

STREAM CLEARING 13 LF ±
PROPOSED TREELINE (TYP.)

AREA 12

AREA 13

MATCHLINE THIS SHEET
MATCHLINE THIS SHEET

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Rev. #	Drawn By	Description	Date

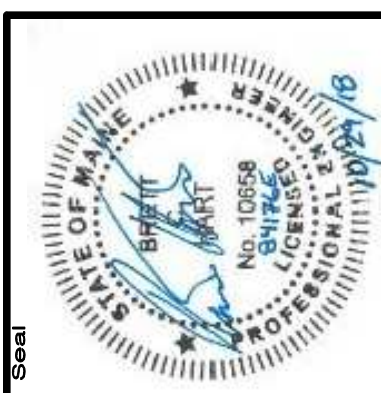
WEAVER WIND PROJECT
WEAVER WIND, LLC
129 MIDDLE STREET
PORTLAND, ME
EASTBROOK, OSBORN, T16MD, MAINE

Project Location
Drawing Description

Designed By: JAO/MT
Date: 10/29/2018
Scale: 1" = 50'

Approved: JAO
Checked: JAO

PROJECT ACCESS IMPROVEMENTS



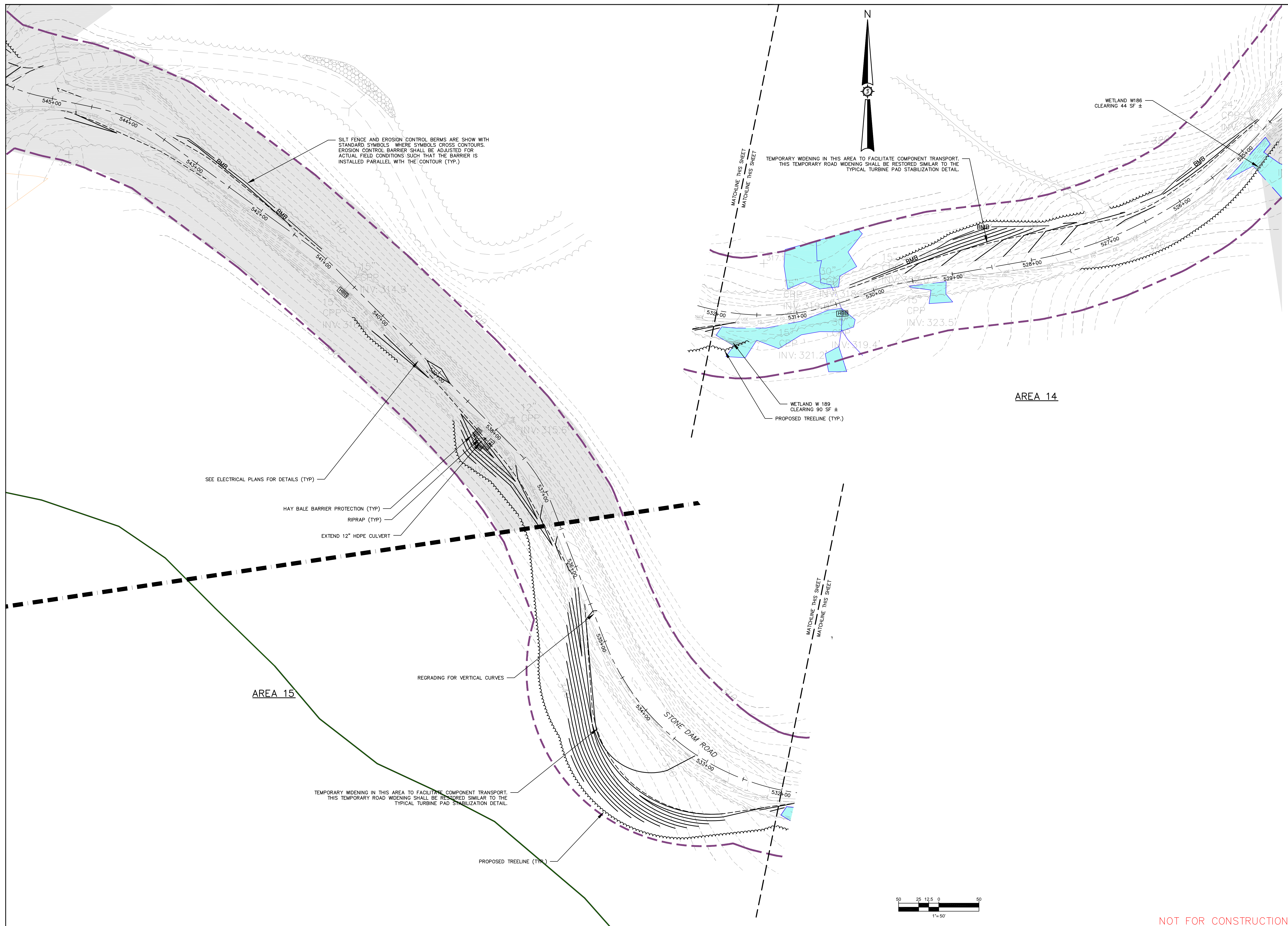
84176E

SEWALL
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JAMES W. SEWALL COMPANY / Since 1880
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Phase: **PERMIT**

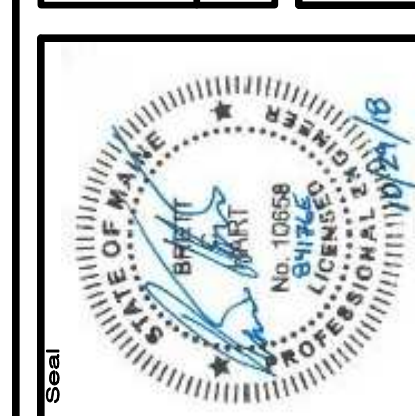
Sheet No.: **39**

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Rev. #	Drawn By	Description

Project No.	84176E
Engineer	JAMES W. SEWALL COMPANY / Since 1880 SEWALL.COM
Phase	PERMIT
Sheet No.	40
Drawn By	JAO/MT
Checked	JAO
Approved	JAO
Date	10/29/2018
Scale	1" = 50'
Project Location	PORTLAND, ME EASTBROOK, OSBORN, T16MD, MAINE
Drawing Description	PROJECT ACCESS IMPROVEMENTS



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