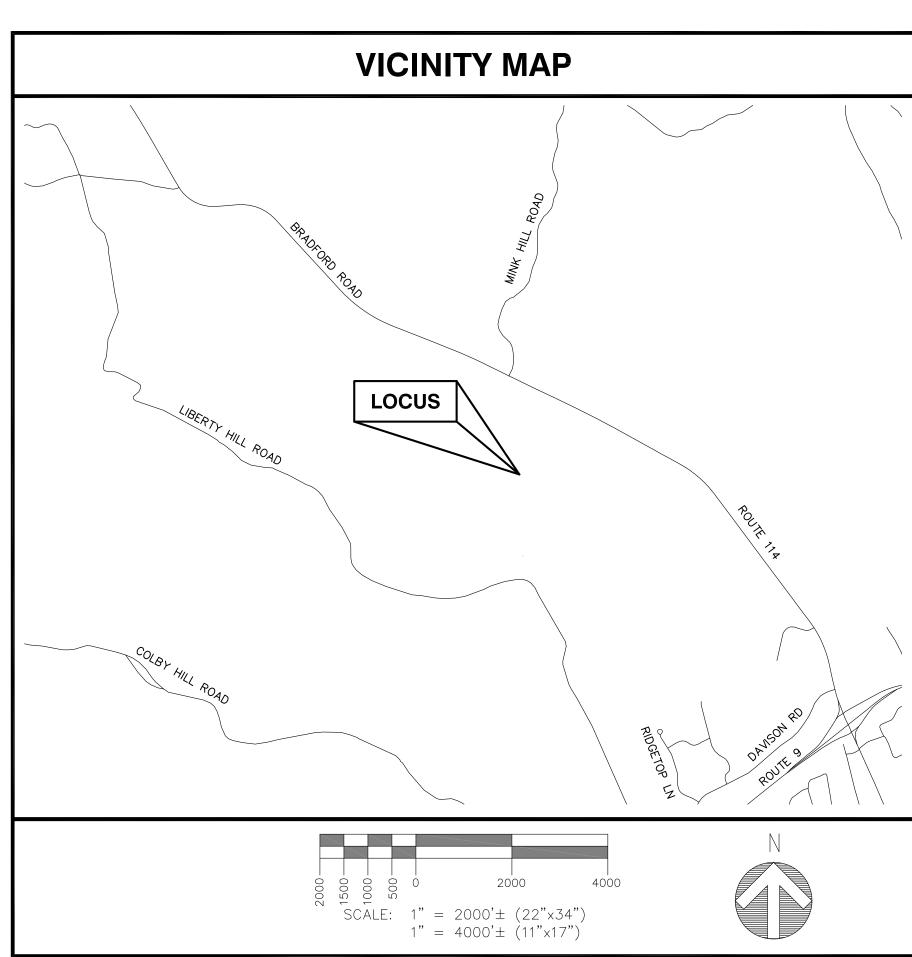
SITE NAME: HENNIKER NORTH RT 114 SITE NUMBER: VT-NH-3012B ADDRESS: 796 LIBERTY HILL ROAD HENNIKER, NH 03242

DRAWING INDEX			
SHEET	DESCRIPTION	REVISION	
T—1	TITLE SHEET	0	
C-1	ABUTTERS PLAN & EXISTING CONDITIONS	А	
A-1	COMPILED PLOT PLAN	0	
A-2	COMPOUND PLAN & ELEVATION	0	
P-1 TO P-5	DRIVEWAY PLAN & PROFILE	0	
D-1 TO D-2	DETAILS	0	
EC-1 TO EC-2	EROSION CONTROL PLAN & DETAILS	0	

GENERAL NOTES

- 1. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER & VERTEX TOWER ASSETS, LLC REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- PLANS FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.
 THIS PLAN SET WAS ORIGINALLY PRINTED TO ANSI D (22"x34") WITH 1" MARGINS. PRINTING TO ANSI B (11"x17") WILL RESULT IN A HALF-SCALE (1:2) SHEET SET WITH 1/2" MARGINS. CONFIRM ALL SCALED DISTANCES
- WITH GRAPHICAL SCALES SHOWN HEREIN.
 ALL WORK TO BE PERFORMED IN ACCORDANCE WITH VERTEX TOWER
 ASSETS, LLC CONSTRUCTION GUIDELINES.
- S. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL DIG-SAFE (888) 344-7233 72-HOURS PRIOR TO ANY EXCAVATION.
- 6. NEW CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 BUILDING CODE: NEW HAMPSHIRE STATE BUILDING CODE (2015 IBC) WITH AMENDMENTS

ELECTRICAL CODE: NEC 2017 WITH NEW HAMPSHIRE AMENDMENTS



PROJECT INFORMATION SITE TYPE: RAW LAND

SCOPE OF WORK: PROPOSED FENCED COMPOUND CONTAINING 150' MONOPOLE TOWER. PROPOSED GRAVE DRIVEWAY AND IMPROVEMENTS FROM

DRIVEWAY AND IMPROVEMENTS FROM EXISTING GRAVEL TRAVEL WAY AND UTILITIES FROM EXISTING SOURCES.

SITE NAME: HENNIKER NORTH RT 114

SITE NUMBER: VT-NH-3012B

SITE ADDRESS: 796 LIBERTY HILL ROAD HENNIKER, NH 03242

ASSESSOR'S TAX ID#: 1-65

ZONING DISTRICT(S): RURAL RESIDENTIAL (RR)

LATITUDE: 43° 12′ 06.92″± N (SURVEY 1A)

LONGITUDE: 71°51'10.59"± W (SURVEY 1A)

(P) ELEVATION: 1007.3'±

DATUM: NAD83/NAVD88

PROPERTY OWNER(S): N/F THOMAS N. PATENAUDE 2012

IRREVOCABLE TRUST & KATHLEEN A. GOSS

REVOCABLE TRUST 32 HARVEY WAY HILLSBORO, NH 03244

APPLICANT: VERTEX TOWER ASSETS, LLC

155 SOUTH STREET SUITE 205

WRENTHAM, MA 02093

SITE ENGINEER: PROTERRA DESIGN GROUP, LLC

4 BAY ROAD

BUILDING A; SUITE 200 HADLEY, MA 01035

SURVEYOR: NORTHEAST SURVEY CONSULTANTS 116 PLEASANT STREET

SUITE 302

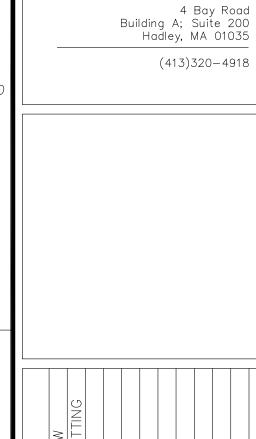
PO BOX 109

EASTHAMPTON, MA 01027

WETLAND SCIENTIST: LUCAS ENVIRONMENTAL, LLC 500A WASHINGTON STREET

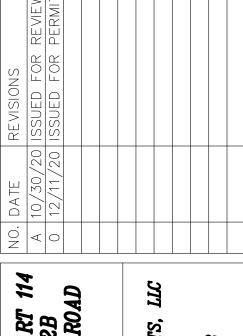
QUINCY, MA 02169

ERMITTING

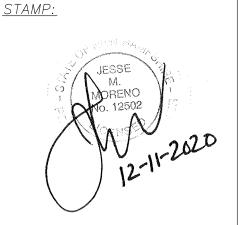


ProTerra

DESIGN GROUP, LLC







DATE: 12/11/2020 DRAWN: JEB

SCALE: SEE PLAN

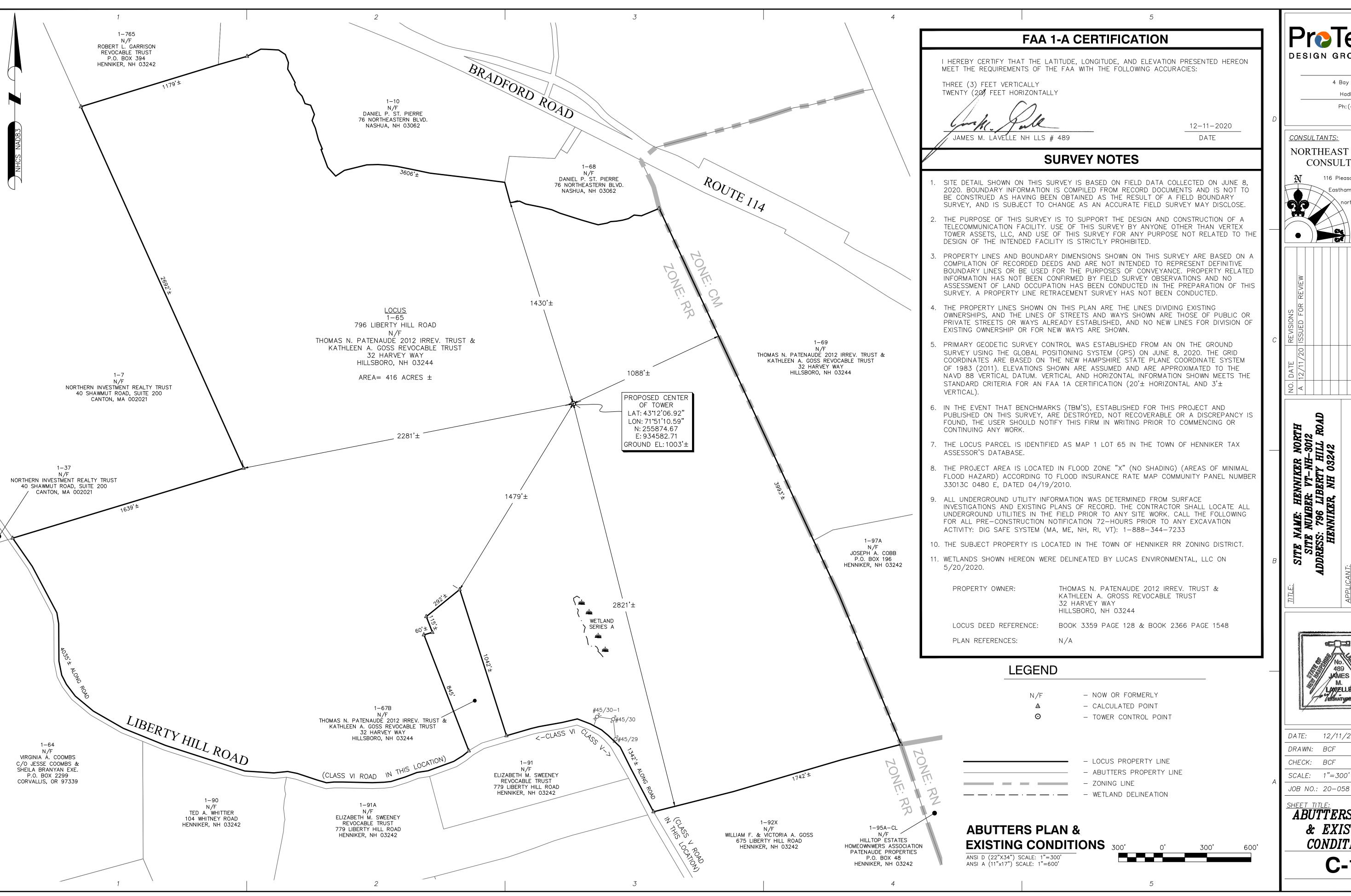
JOB NO.: 18-015

CHECK: JMM/TEJ

SHEET TITLE:

TITLE SHEET

T-1



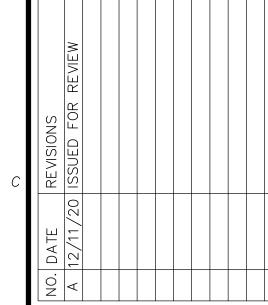


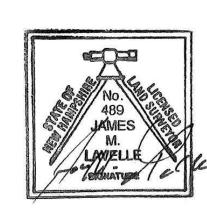
4 Bay Road, Bldg A, Hadley, MA 01035

Ph: (413)320-4918

NORTHEAST SURVEY CONSULTANTS

116 Pleasant St. Ste. 302 P.O. Box 109 Casthampton, MA 01027 (413) 203-5144 northeastsurvey.com





12/11/2020

CHECK: BCF

JOB NO.: 20-058

ABUTTERS PLAN & EXISTING **CONDITIONS**

C-1

REFERENCES

- PROPERTY LINE AND EXISTING FEATURES SEE SHEETS C-1 PREPARED BY NORTHEAST SURVEY CONSULTANTS.
- TOPOGRAPHY LIDAR DATA FOR CONNECTICUT RIVER WATERSHED, COLLECTED BY USGS IN FALL 2015 AND DISTRIBUTED BY NH GRANIT, QL2 QUALITY LEVEL, VERTICAL ACCURACY OF 0.093 METERS
- ZONING DISTRICTS "ZONING MAP" OBTAINED VIA TOWN OF HENNIKER, NH WEB PAGE AXISGIS.COM/HENNIKERNH/ ON JANUARY 28, 2020.
- AERIAL PHOTOGRAPHY DATA PREPARED BY NEW HAMPSHIRE STATEWIDE GIS CLEARINGHOUSE "NH GRANIT" 2010-2011.
- PLAN REFERENCE SUBDIVISION PLAN, TAX LOT 91 FOR ELIZABETH M. SWEENEY, PREPARED BY ARTHUR F. SICILIANO JR., DATED MAY 2003, REVISED JUNE 2003.
- FLOODPLAIN FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 33013C0480E EFFECTIVE DATE APRIL 19, 2010 PREPARED BY FEDÈRAL EMERGENCY MANAGEMENT AGENCY (FEMA), US DEPARTMENT OF HOMELAND SECURITY. ENTIRE AREA SHOWN IS WITHIN ZONE "X" UNSHADED: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL FLOOD CHANCE FLOODPLAIN.

GENERAL NOTES

- THE TYPE, DIMENSIONS, MOUNTING HARDWARE, AND POSITIONS OF ALL PROJECT OWNER'S EQUIPMENT ARE SHOWN IN ILLUSTRATIVE FASHION. ACTUAL HARDWARE DETAILS AND FINAL LOCATIONS MAY DIFFER SLIGHTLY FROM WHAT IS SHOWN.
- 2. THE PROJECT OWNER'S PCS FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
- 3. THE DESIGN OF THE TOWER, FOUNDATION AND ANTENNA MOUNTING HARDWARE WILL MEET THE ANSI/EIA/TIA-222-G STANDARDS FOR STRUCTURAL STEEL ANTENNA SUPPORTING STRUCTURES AND STATE BUILDING CODE REQUIREMENTS. DETAILED CONSTRUCTION DRAWINGS AND STRUCTURAL CALCULATIONS WILL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED WITH A BUILDING PERMIT APPLICATION FOR REVIEW AND APPROVAL BY THE LOCAL BUILDING CODE ENFORCEMENT OFFICIAL.
- 4. ONCE THE FACILITY BECOMES FULLY OPERATIONAL, NORMAL AND ROUTINE MAINTENANCE BY TOWER OWNER'S AND CARRIER'S TECHNICIANS WILL BE PERFORMED. THE ESTIMATED VEHICULAR TRAFFIC GENERATED BY THESE VISITS IS PREDICTED TO BE LESS THAN THE TYPICAL TRAFFIC GENERATED BY A SINGLE-FAMILY DWELLING.

ZONING SUMMARY

ZONING DISTRICT(S): RURAL RESIDENTIAL (RR) ASSESSOR'S ID#: 1-65

(P) USE: PERSONAL WIRELESS SERVICE FACILITY (PWSF)

DIMENSION	PROVIDED	CONSTRAINT
LOT — AREA	416± ACRES	5 ACRES
LOT — FRONTAGE	5,378'±	250' MIN.
(P) COMPOUND — FRONT YARD	2,104'±	30' MIN.
(P) COMPOUND — REAR YARD	1,186'±	15' MIN.
(P) COMPOUND — SIDE YARD	1,055'±	15' MIN.
(P) TOWER — HEIGHT (HIGHEST APPURTENANCE)	150'± ^{2,3} (156'±)	150' (20' ABOVE TREE CANOPY)
(P) TOWER — FALL ZONE (PROPERTY LINE/BUILDING SETBACK)	1,085'±	125% TOWER HEIGHT (195' — HIGHEST APPURTENANCE)

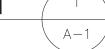
1 - TOWN OF HENNIKER ZONING ORDINANCE, ARTICLE XXV - WIRELESS COMMUNICATION TOWERS, SECTION 133-129: PERSONAL WIRELESS SERVICE FACILITIES SHALL BE PERMITTED AS A PRINCIPAL OR ACCESSORY (SECONDARY) USE IN ALL ZONING DISTRICTS WITHIN THE TOWN OF HENNIKER, OTHER THAN THE RESIDENTIAL VILLAGE (RV) AND COMMERCIAL VILLAGE (CV) DISTRICTS...

SPECIAL CONSIDERATIONS MAY REQUIRED FOR THE FOLLOWING:

- 2 TOWN OF HENNIKER ZONING ORDINANCE, ARTICLE XXV WIRELESS COMMUNICATION TOWERS, SECTION 133-131, B.1 HEIGHT LIMITATIONS...... PERSONAL WIRELESS SERVICE FACILITY SHALL NOT EXCEED ONE HUNDRED FIFTY (150) FEET...INCLUDING ALL ATTACHMENTS.
- 3 TOWN OF HENNIKER ZONING ORDINANCE, ARTICLE XXV WIRELESS COMMUNICATION TOWERS, SECTION 133-131, B.2 PWSFS IN WOODED AREAS. A PERSONAL WIRELESS SERVICE FACILITY LOCATED IN A WOODED AREA SHALL NOT PROJECT HIGHER THAN TWENTY (20) FEET ABOVE THE AVERAGE HEIGHT OF THE FIVE TALLEST TREES WITHIN A 180-FOOT RADIUS OF THE PROPOSED TOWER. FURTHER, A PWSF LOCATED IN A WOODED AREA MUST BE CAMOUFLAGED TO BLEND IN WITH THE NATURAL CHARACTER OF SUCH AREA.
- 4 TOWN OF HENNIKER ZONING ORDINANCE, ARTICLE XXV WIRELESS COMMUNICATION TOWERS, SECTION 133-131, D. EASEMENTS AND LEASED AREAS. IF A PWSF IS TO BE LOCATED ON AN EASEMENT OR LEASED AREA, THE PWSF SHALL BE SET BACK FROM THE EDGE OF THE EASEMENT OR LEASED AREA A DISTANCE OF AT LEAST 125% OF THE TOWER'S HEIGHT PLUS ADDITIONAL AREA FOR ACCESSORY STRUCTURES AND ACCESS, IF REQUIRED.



1"=700' (11x17)



ProTerra DESIGN GROUP, LLC

> 4 Bay Road Building A; Suite 200 Hadley, MA 01035 (413)320 - 4918

STAMP:



12/11/2020 DRAWN: JEB

CHECK: JMM/TEJ

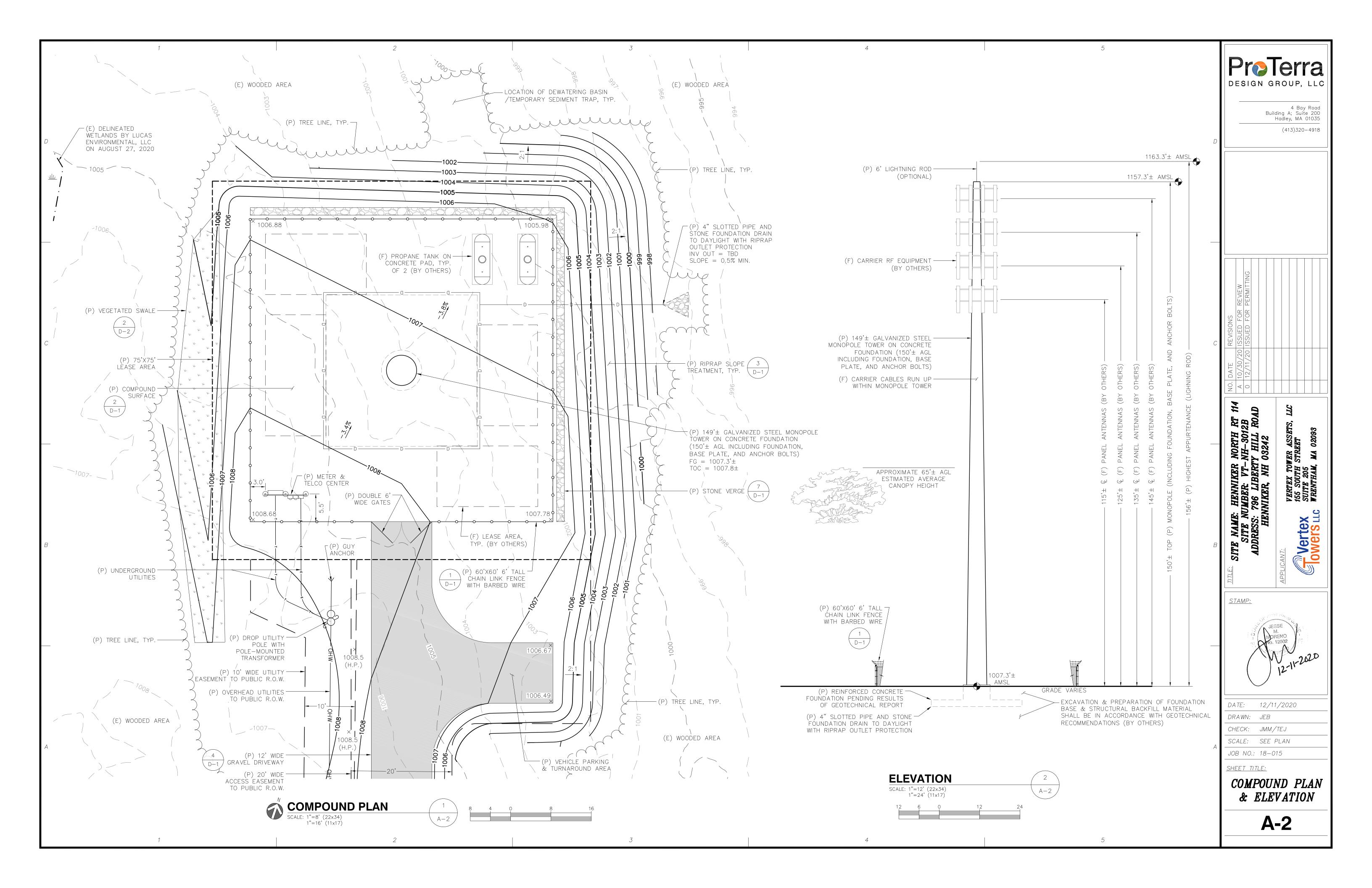
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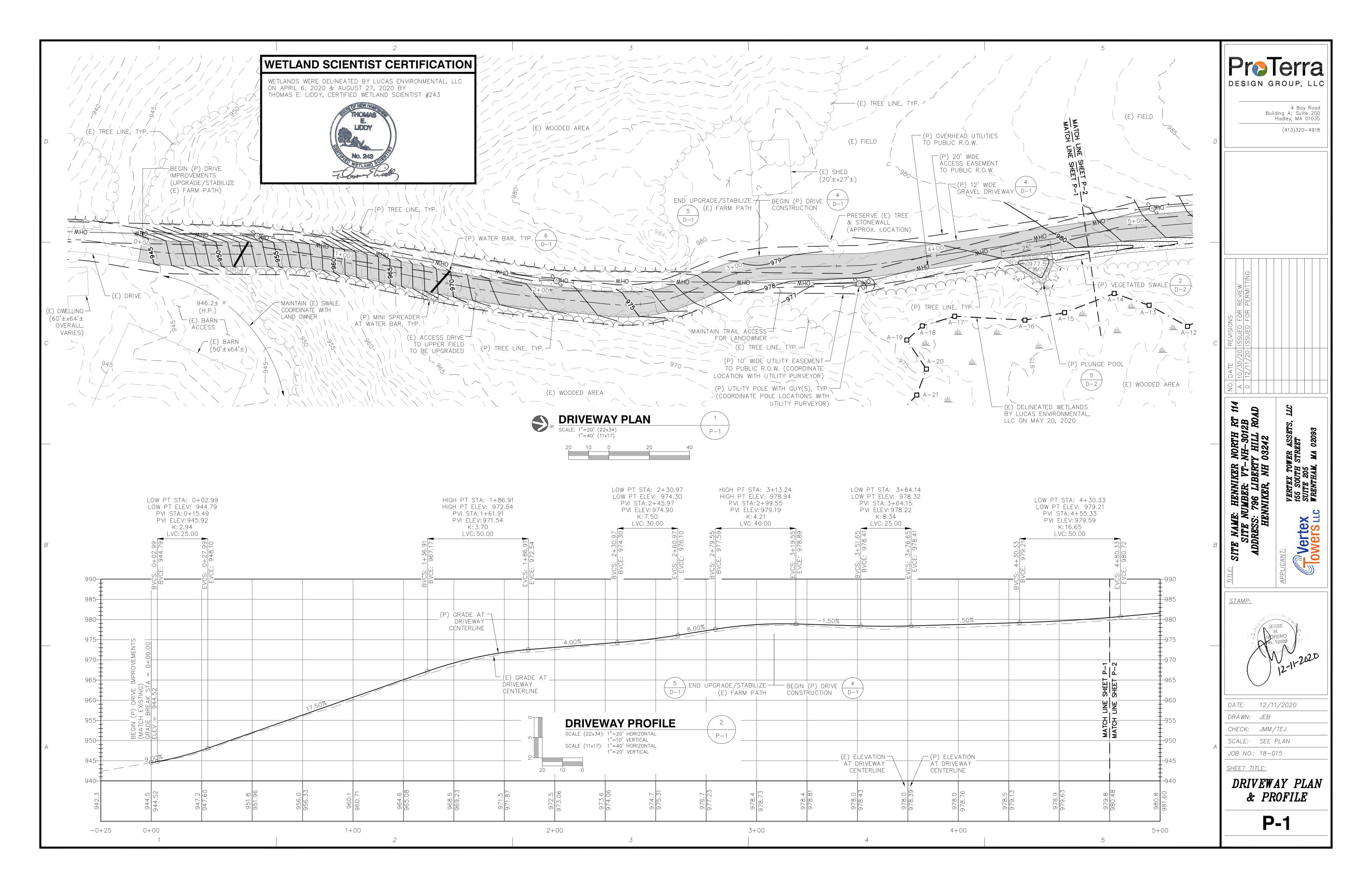
JOB NO.: 18-015

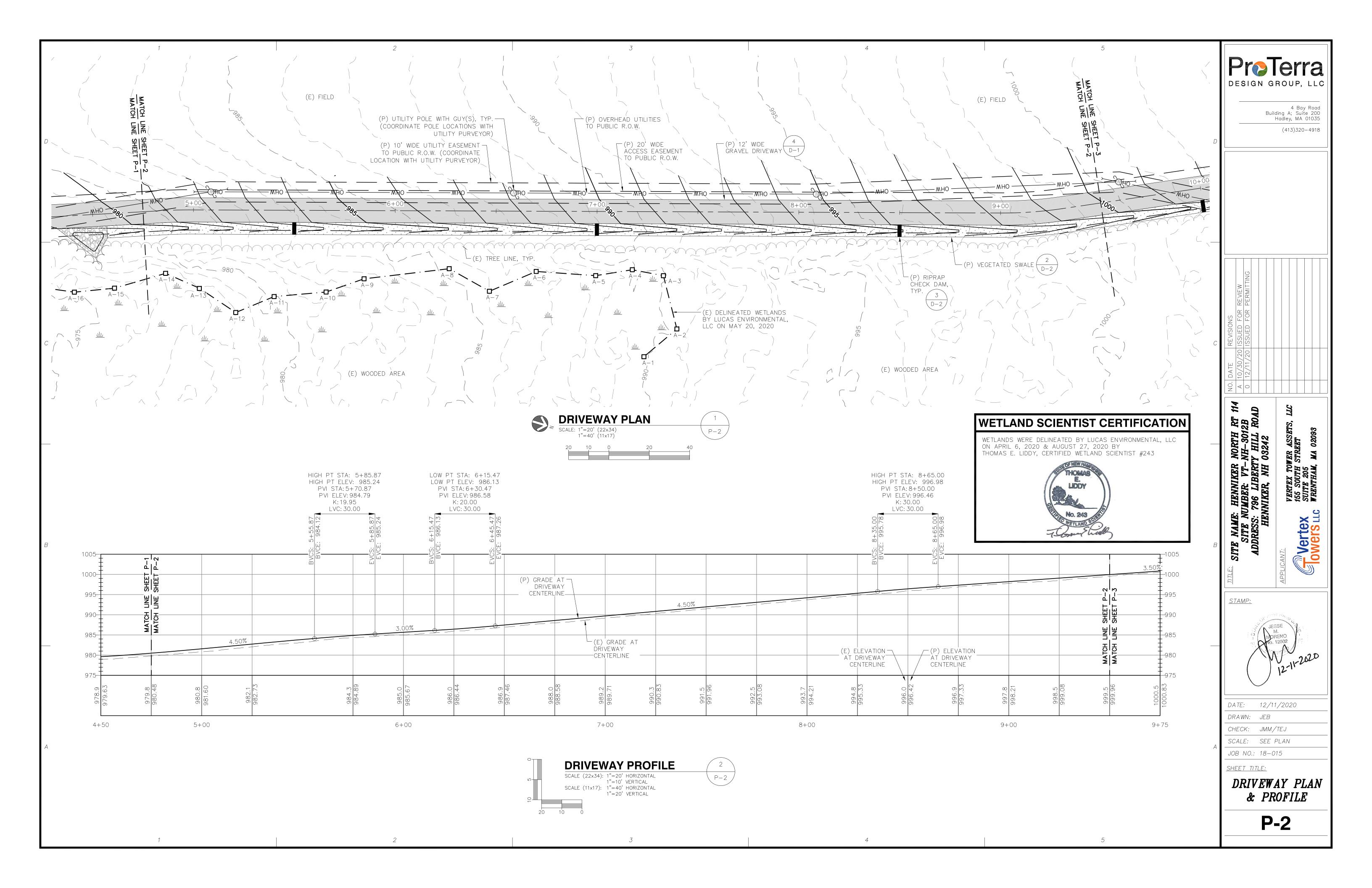
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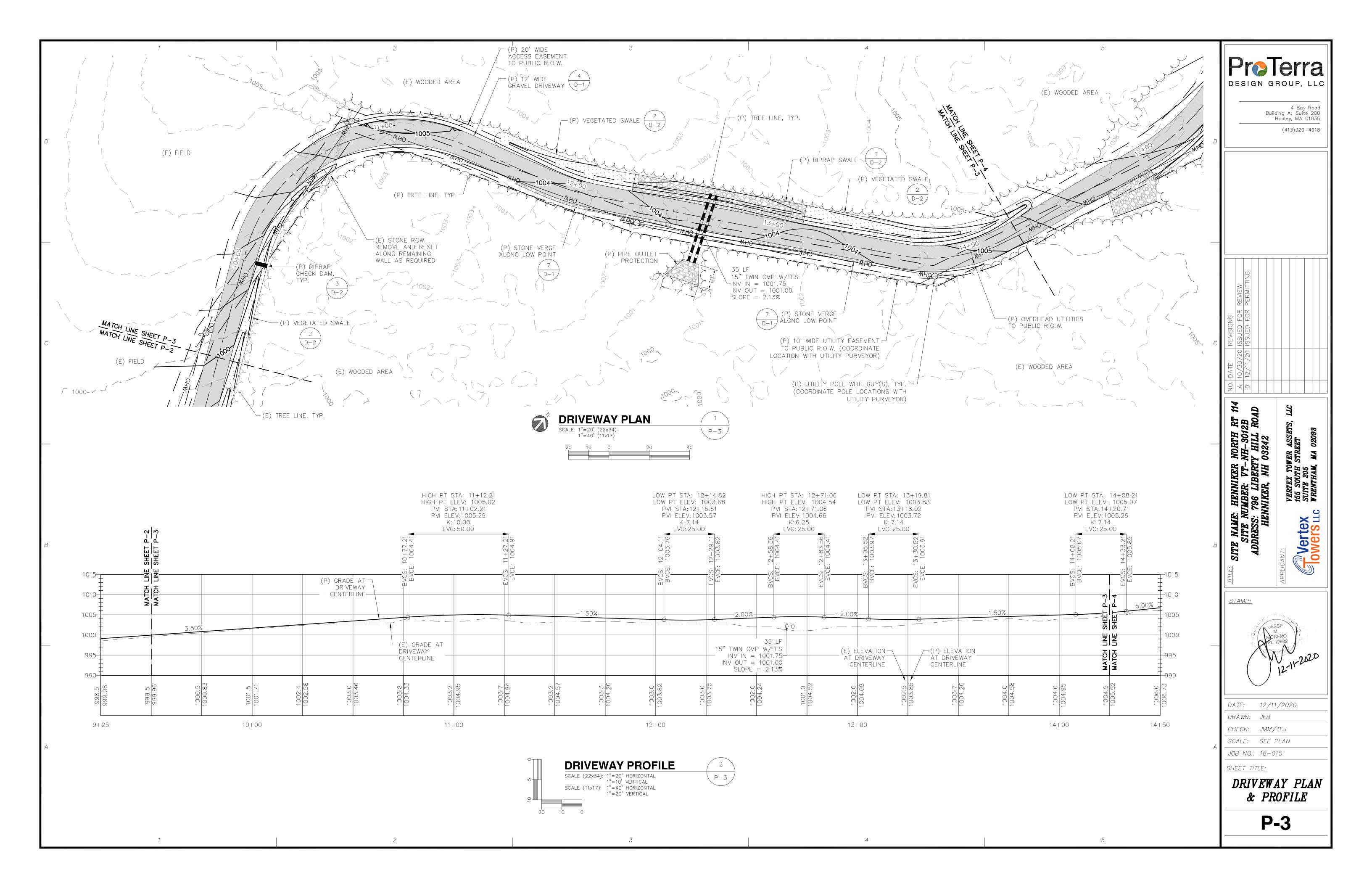
COMPILED PLOT PLAN

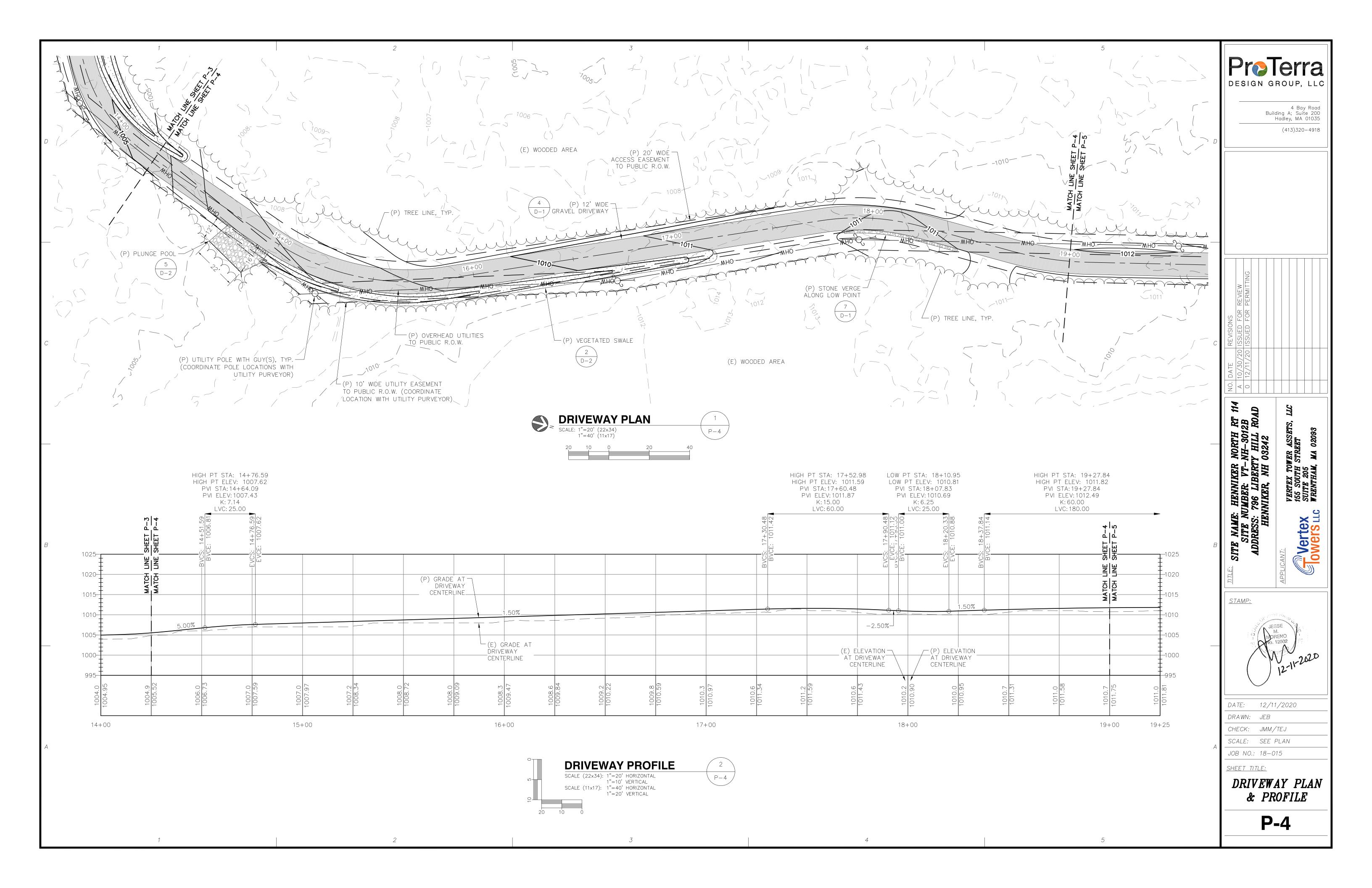
A-1

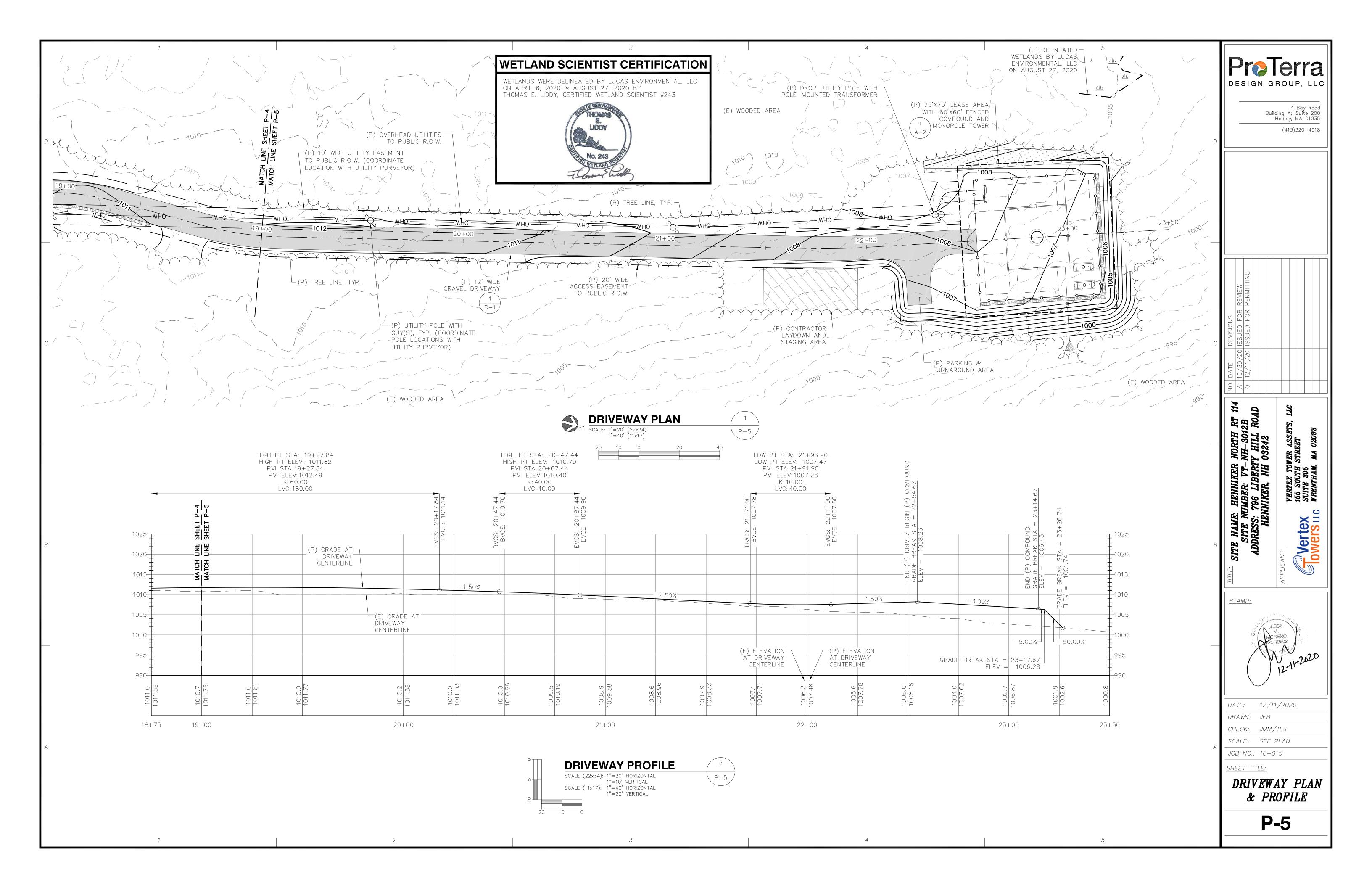


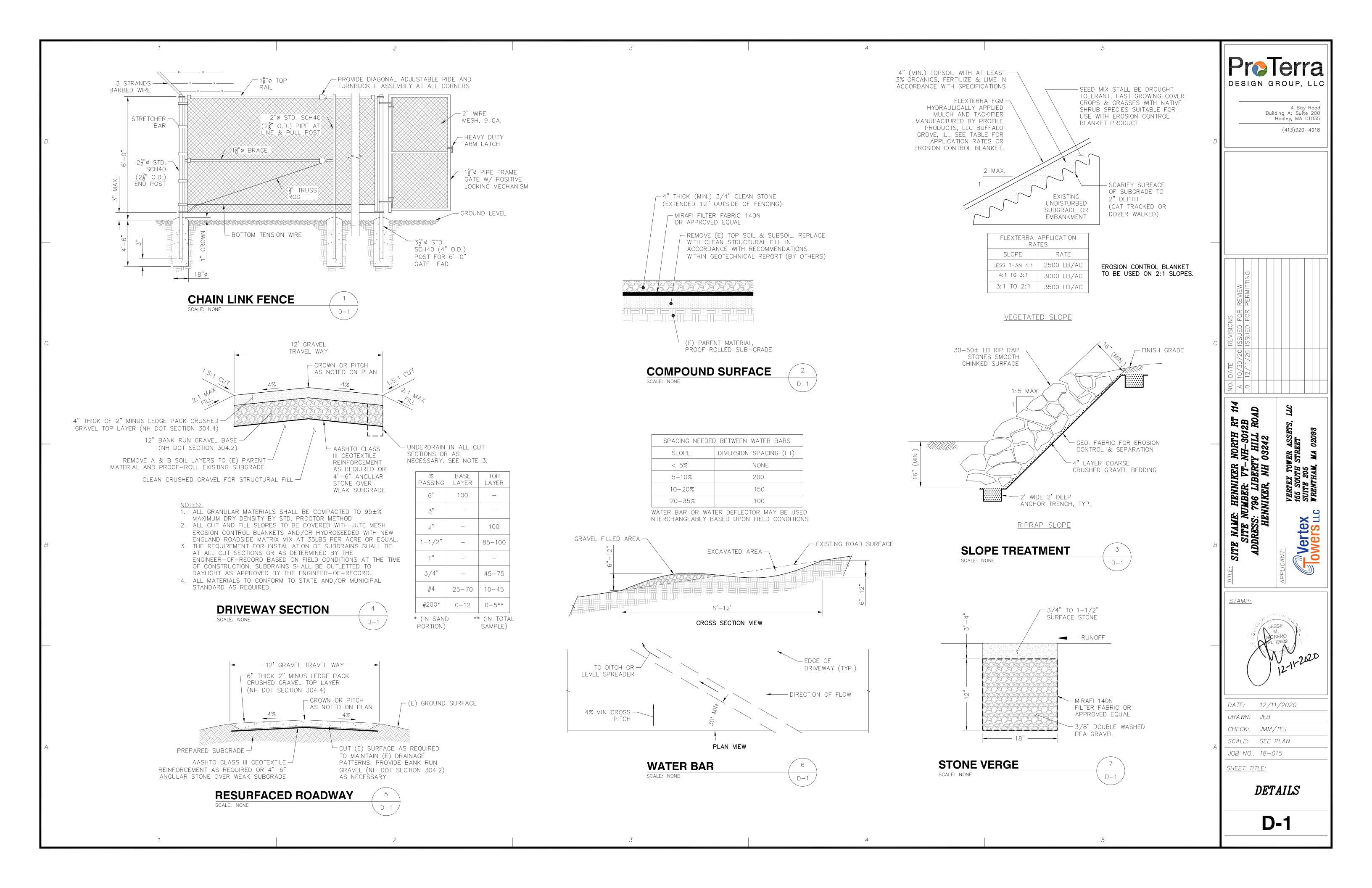


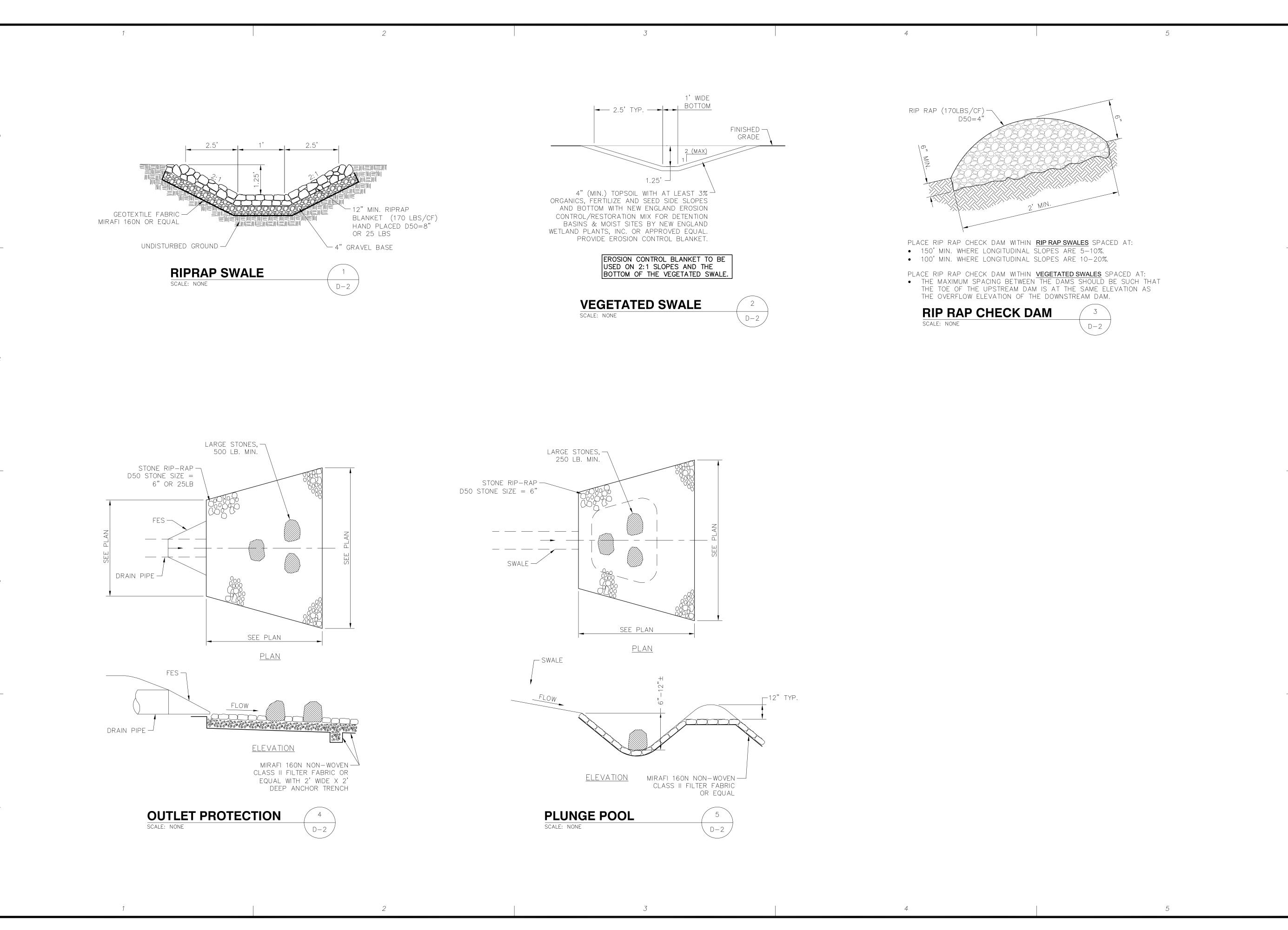












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4 Bay Road
Building A; Suite 200
Hadley, MA 01035

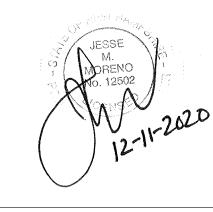
(413)320-4918

O. DATE REVISIONS
A 10/30/20 ISSUED FOR REVIEW
D 12/11/20 ISSUED FOR PERMITTING

IE: HENNIKER NORTH RT 114
NUMBER: VT-NH-3012B
S: 796 LIBERTY HILL ROAD
ENNIKER, NH 03242
VERTEX TOWER ASSETS, LLC
155 SOUTH STREET

APPLICANT:

STAMP:



DATE: 12/11/2020

DRAWN: JEB

CHECK: JMM/TEJ

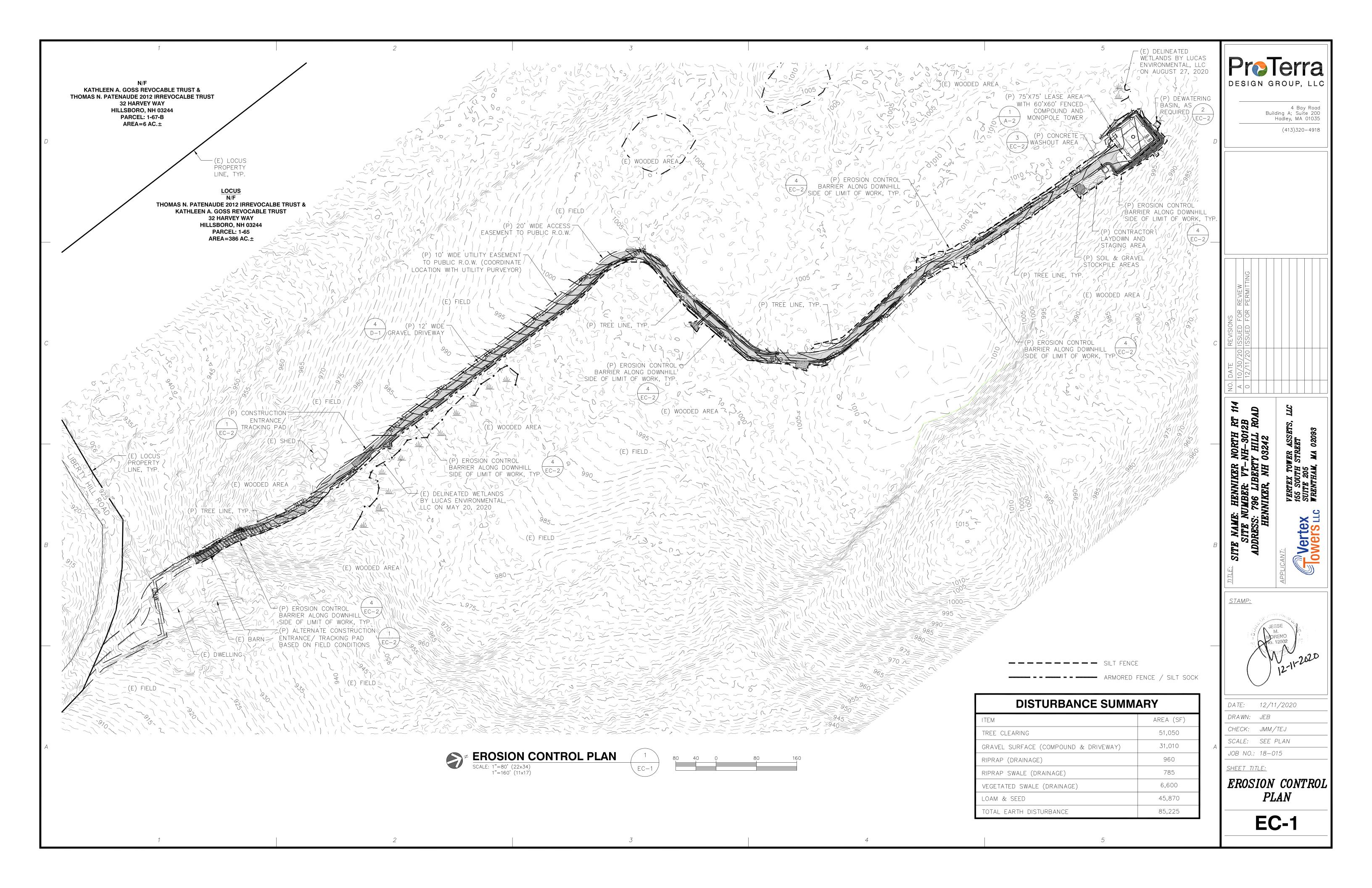
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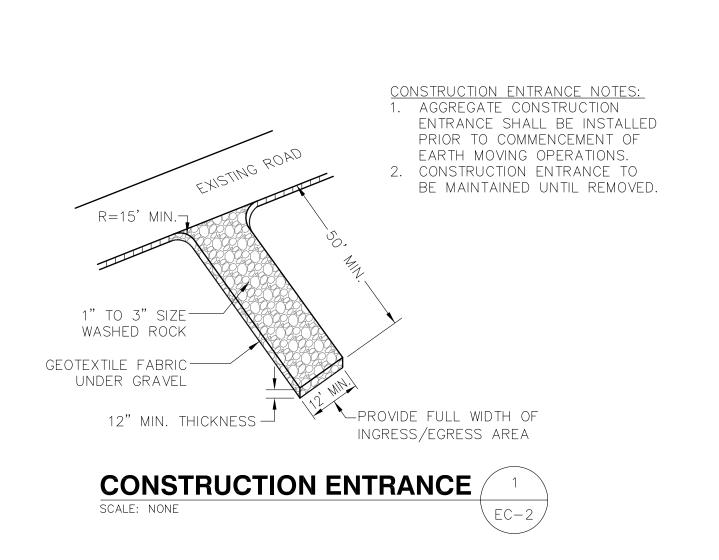
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SHEET TITLE:

DETAILS

D-2



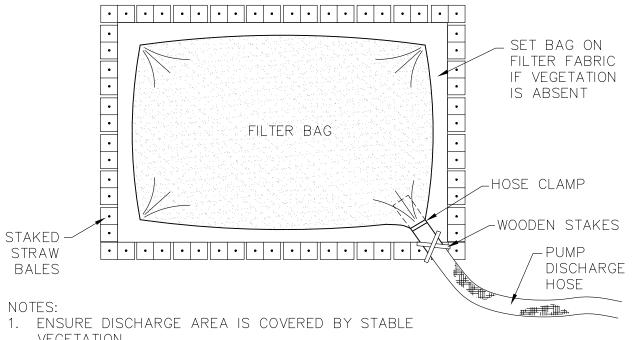


Washout -INSERT # 3 REBAR L-BRACKETS - REINFORCED 10 OZ PVC INSERT STAPLES AROUND REBAR L-BRACKETS

STREETS, OR STREAMS.

- 1. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON THIS PROJECT.
- 2. SIGNS SHALL BE PLACED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT. 3. THE CONCRETE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO
- MAINTAIN CAPACITY FOR WASTE CONCRETE AND OTHER LIQUID WASTE.
- 4. WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- 5. DO NOT MIX EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE. 6. DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES,
- 7. AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.
- 8. LOCATE WASHOUT AREA AT LEAST 50' (15 METERS) FROM STORM DRAINS, OPEN DITCHES, OR WATERBODIES.
- 9. WASH OUT WASTES INTO THE OUTPACK WASHOUT AS SHOWN WHERE THE
- CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.

CONCRETE WASHOUT AREA



- VEGETATION. 2. USE DIFFUSER NOZZLE OR LOW DISCHARGE RATE TO
- PREVENT SCOURING.
- 3. TO BE PLACED AT AN UPLAND LOCATION THAT WILL
- ALLOW WATER TO DRAIN TO THE GROUND. 4. SIZE OF STRAW BALE ENCLOSURE TO BE 10'x10'
- ADJUSTED TO WATER VOLUME. 5. ADDITIONAL STRAW BALES MAY BE USED TO

INCREASE RETENTION & FILTERING.

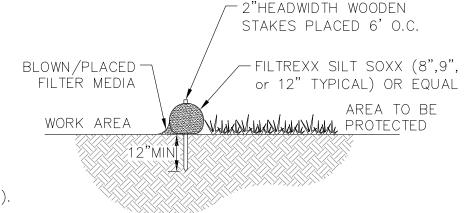
DEWATERING BASIN

EC-2

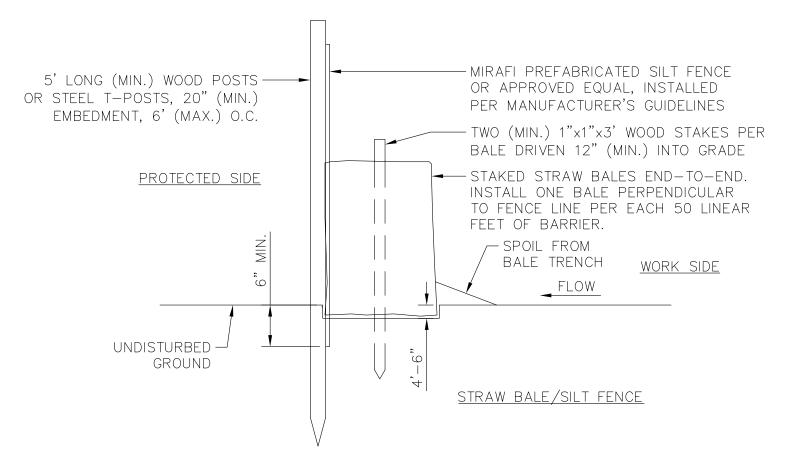
1. USE SILT SOXX WHERE CONDITIONS DO NOT ALLOW BLOWN/PLACED T STAKES TO BE DRIVEN.

SCALE: NONE

- 2. SILT SOXX FILL TO MEET FILTREXX SPECIFICATIONS AND APPLICATION REQUIREMENTS. 3. SILT SOXX COMPOST MATERIAL TO BE DISPERSED ON
- SITE, AS DETERMINED BY ENGINEER. 4. FILTER MEDIA/STRAW BALES TO BE INERT AND FREE
- FROM INVASIVE WEEDS AND NON-NATIVE SPECIES.
- 5. MAY STAKE BEHIND SOCK AT SLIGHT ANGLE (6' O.C.).



SILT SOXX / COMPOST MEDIA SOCK





EROSION CONTROL NOTES

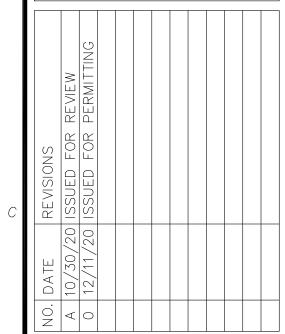
APPLICANT PROPOSES TO CONSTRUCT A CELLULAR TELECOMMUNICATIONS FACILITY CONSISTING OF A FENCED COMPOUND, DRIVEWAY AND UTILITY WORK WITHIN A LEASE AREA AND EASEMENTS.

ALL WORK SHALL CONFORM TO THE NEW HAMPSHIRE STORMWATER MANUAL - VOLUME 3 "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" BY NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES DATED DECEMBER 2008 OR AS SUBSEQUENTLY REVISED.

- TEMPORARY SILT FENCE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT SITE CONSTRUCTION. STOCK PILE ON SITE 100 FT. OF SILT FENCE FOR EMERGENCY USE. TEMPORARY EROSION BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED.
- THE CONTRACTOR SHALL CHIP ALL BRUSH AND SLASH CUTTINGS ON SITE AND STOCKPILE THE CHIPS TO BE USED ON ALL UNSTABLE, DISTURBED AREAS DURING CONSTRUCTION AS TEMPORARY STABILIZATION MULCH. NO BURNING WILL BE ALLOWED ON SITE.
- TEMPORARY STABILIZATION MUST BE PROVIDED TO ANY DISTURBED EARTH THAT IS OPENED UP IN ANY ONE LOCATION FOR MORE THAN 14 DAYS. CHIPS FROM LAND CLEARING, EROSION CONTROL BLANKETS, OR FAST GROWING RYE GRASSES MAY BE USED FOR TEMPORARY STABILIZATION AS REQUIRED.
- STRIPPED TOPSOIL SHALL BE STOCKPILED AND PROTECTED WITH STRAW MULCH. ALL STOCKPILES SHALL HAVE AN APPROVED SILTATION BARRIER TOTALLY SURROUNDING THE PILE. THE PILE SHALL BE IN AN APPROVED UPLAND AREA A MINIMUM OF TWENTY—FIVE FEET FROM ALL RESOURCE AREAS.
- THE PHASING AND SEQUENCING OF THE WORK FOR THE SITE PREPARATION FOR THE TELECOMMUNICATIONS EQUIPMENT INSTALLATION CONSISTS OF INSTALLING TEMPORARY EROSION AND SEDIMENTATION CONTROL BARRIERS; CLEARING AND ROUGH GRADING OF COMPOUND; FOUNDATION WORK; BACK FILL FOUNDATIONS; FENCED COMPOUND CONSTRUCTION; INSTALLATION OF TOWER AND GROUND EQUIPMENT; INSTALLATION OF UTILITIES; GROUNDING AND LIGHTNING PROTECTION; EQUIPMENT TESTING; FINAL GRADING AND STABILIZATION OF DISTURBED AREAS; LOAM AND SEED DISTURBED AREAS OUTSIDE COMPOUND; FINAL CLEANUP. THE ESTIMATED TIME FOR COMPLETION OF THE WORK IS APPROXIMATELY SIXTEEN (16) WEEKS.
- THE COMPOUND ENCLOSURE IS SURFACED WITH CRUSHED STONE UNDERLAIN BY A WEED-BLOCK SYNTHETIC FILTER FABRIC. DRAINAGE PATTERNS, RUNOFF VOLUMES AND PEAK FLOW RATES WILL NOT BE ALTERED BY THE PROPOSED CONSTRUCTION.
- IF REQUIRED, TEMPORARY DEWATERING OF THE TRENCH EXCAVATIONS SHALL BE DIVERTED INTO A TEMPORARY STILLING BASIN. INFILTRATION IN THE STILLING BASIN AND FLOW THROUGH THE CRUSHED STONE CONTAINMENT BERM WILL RESULT IN DIFFUSE, NON-POINT SOURCE RUNOFF OVER VEGETATED AREAS.
- O. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE FENCED COMPOUND AND ROADWAY SHALL BE PERMANENTLY ESTABLISHED WITH A NATIVE VEGETATIVE GROUND COVER AT THE CONCLUSION OF CONSTRUCTION. GRADED AREAS SHALL BE PROTECTED WITH STRAW MULCH UNTIL A GOOD VEGETATIVE COVER IS ESTABLISHED.
- . THE TOTAL IMPACT AREA OF THE DISTURBED TOWER & COMPOUND CONSTRUCTION SITE IS BOUNDED BY THE "LIMIT OF WORK" AS SHOWN HEREON. THE MAXIMUM AREA OF DISTURBANCE WITHIN THE LIMIT OF WORK IS APPROXIMATELY 85,225 SQUARE FEET. THE PROJECT IMPACT AREA IS ABOVE THE EXEMPTION THRESHOLD OF 43,560 SQUARE FEET IN 40 CFR PARTS 9, 122-124 AND THEREFORE IS SUBJECT TO REGULATION UNDER THE EPA NPDES GENERAL CONSTRUCTION PERMIT PROGRAM.
- 2. THE PROJECT OWNER'S GENERAL CONTRACTOR SHALL CONDUCT ALL SITE DEVELOPMENT WORK IN A MANNER THAT DOES NOT EXCEED THE LIMITS OF WORK SHOWN ON THE PLANS. ADDITIONALLY, THE PROJECT OWNER'S GENERAL CONTRACTOR SHALL CONDUCT ALL CONSTRUCTION ACTIVITIES IN A MANNER THAT DOES NOT RESULT IN STORM WATER DISCHARGES WITH AN ADVERSE IMPACT ON ANY RESOURCE AREAS OR DOWNSTREAM PROPERTIES.
- 13. A CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON THIS PROJECT. SIGNS SHALL BE PLACED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT. WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- 14. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SILT FROM BEHIND SILTATION BARRIERS AND DISPOSE OF SILT EVENLY IN UPLAND AREAS. REMOVE ALL EROSION CONTROL DEVICES WHEN A GOOD VEGETATIVE COVER IS ESTABLISHED.

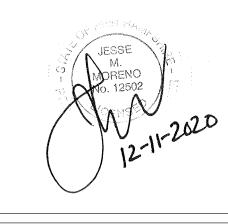
ProTerra DESIGN GROUP, LLC

> 4 Bay Road Building A; Suite 200 Hadley, MA 01035 (413)320 - 4918



HENNIKER WBER: VT-'96 LIBERT VIKER, NH

STAMP:



12/11/2020

DRAWN: JEB CHECK: JMM/TEJ

SCALE: SEE PLAN JOB NO.: 18-015

SHEET TITLE:

EROSION CONTROL **DETAILS**

EC-2