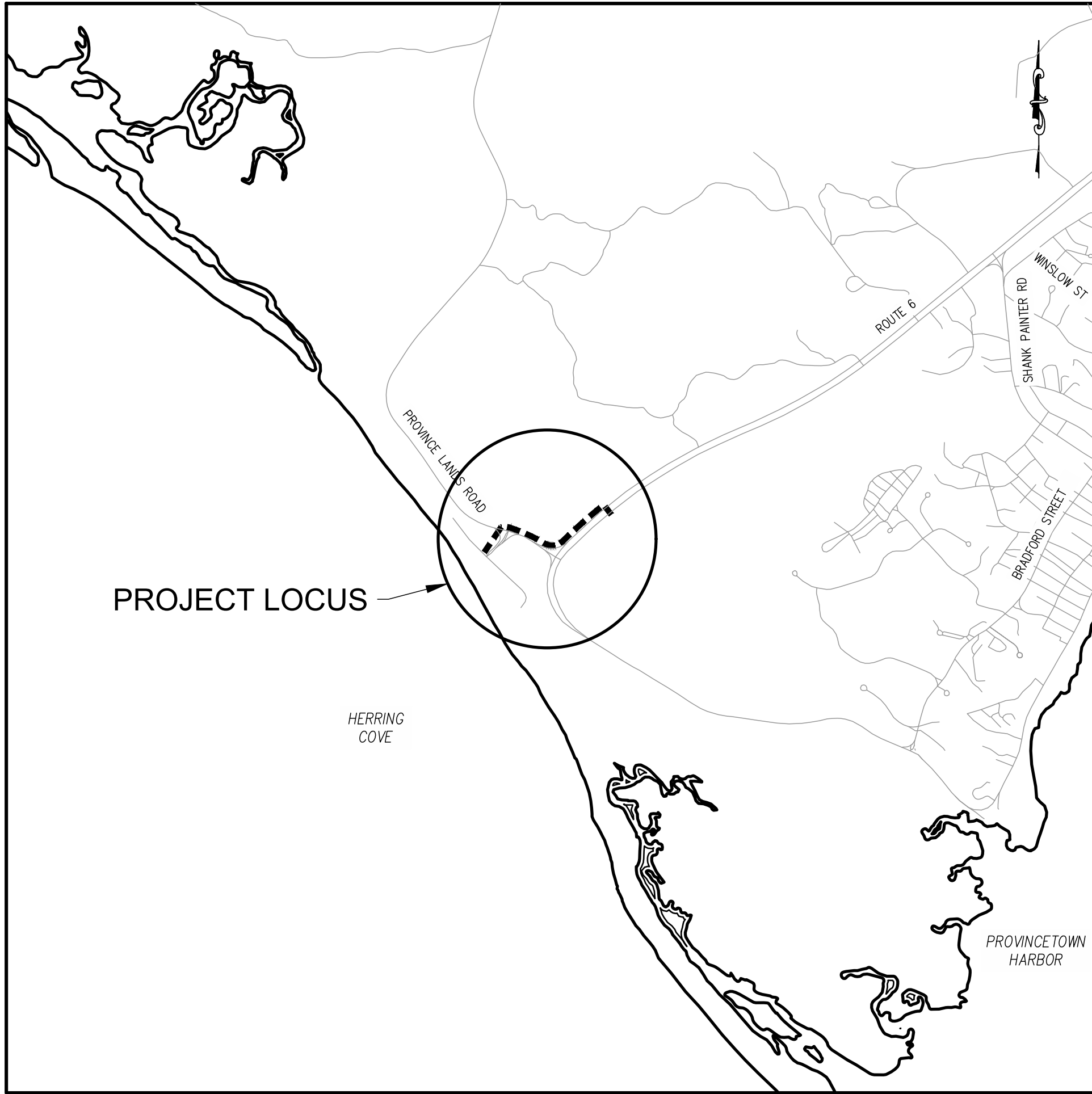


HENRY GENERAL CONTRACTORS, INC.

CAPE COD NATIONAL SEASHORE ROUTE 6 BIKE TRAIL CONNECTOR PROVINCETOWN, MA




















KEY MAP
1"=1250'

ISSUED FOR CONSERVATION
COMMISSION REVIEW
02/06/2023

NOTES:

1. THIS PLAN IS REFERENCED HORIZONTALLY TO THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1983, MAINLAND ZONE (NAD83 (2011) (MYCS2) EPOCH 2010.00) AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BY RTK GPS OBSERVATIONS ON 08-29-2022 USING THE HXGN SMARTNET RTK NETWORK.
2. THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY PERFORMED ON 08-29-2022 & 09-16-2022.
3. EXISTING UTILITIES, UNDERGROUND AND OVERHEAD, MAY EXIST IN ADDITION TO THE UTILITY INFORMATION SHOWN ON THESE PLANS. THIS PLAN MUST NOT BE USED TO LOCATE UNDERGROUND UTILITIES. CALL DIG SAFE AT 811 PRIOR TO STARTING ANY EXCAVATION.
4. THE PROPERTY LINES SHOWN ARE APPROXIMATE ONLY. THEY ARE A GRAPHICAL REPRESENTATION OF THE GENERAL LOT CONFIGURATION LIMITED TO THE AREA OF WORK AND HAVE NOT BEEN DETERMINED BY A REGISTERED PROFESSIONAL AND SURVEYOR. THEREFORE THEY SHOULD NOT BE USED FOR ANY PURPOSE THAT WOULD REQUIRE AN ACTUAL BOUNDARY RETRACEMENT SURVEY.
5. FOLLOW MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.

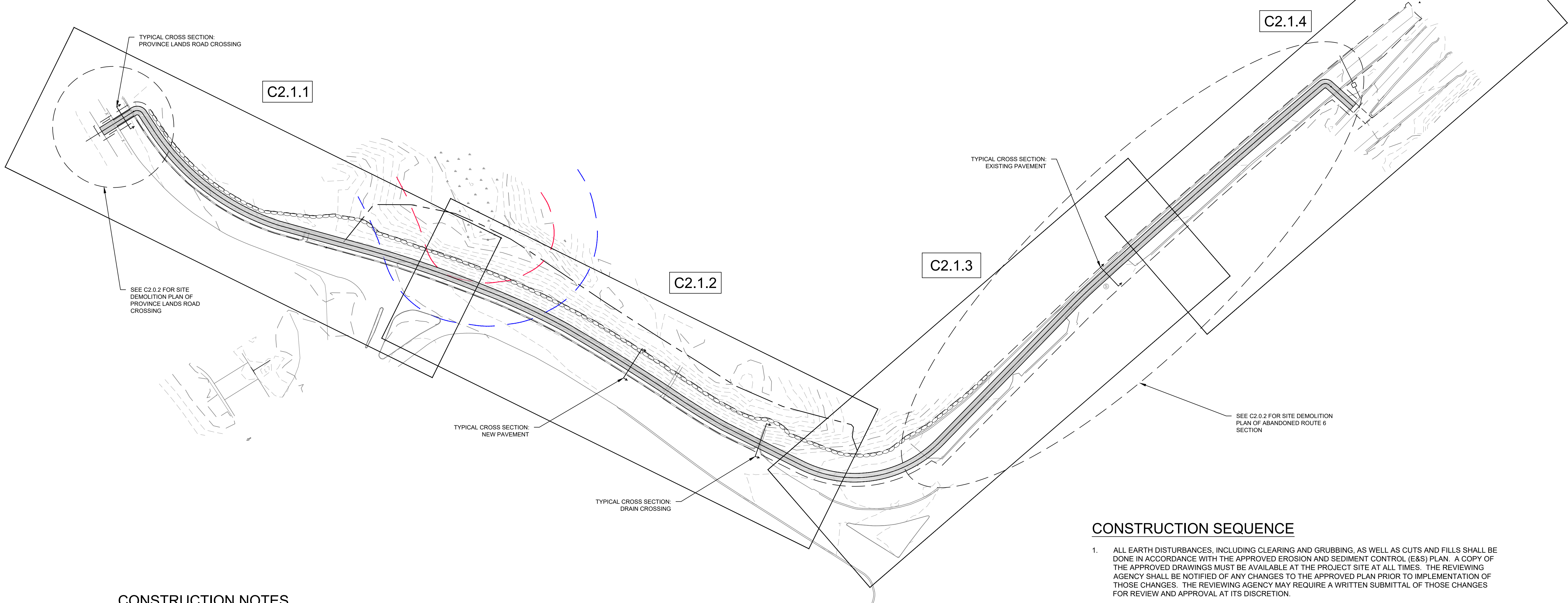
LEGEND

- | | |
|---|------------------|
|  | BENCHMARK |
|  | BOUND |
|  | SEPTIC MANHOLE |
|  | CATCH BASIN |
|  | DRAIN MANHOLE |
|  | MISC. MANHOLE |
|  | LIGHT POLE |
|  | ELECTRIC MANHOLE |
|  | WETLAND FLAG |
|  | MISC. SIGN |
|  | POST |
|  | CONIFER TREE |
|  | DECIDUOUS TREE |
|  | SPOT ELEV. |
|  | CONTOUR |
|  | DRAIN PIPE |
|  | SPLIT RAIL FENCE |





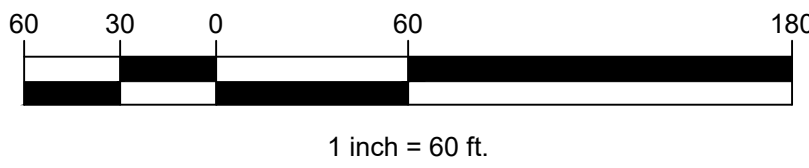
MASSACHUSETTS STATE PLANE COORDINATE SYSTEM
NORTH AMERICAN DATUM OF 1983, MAINLAND ZONE
(NAD83 (2011) (MYCS2) EPOCH 2010.00)



CONSTRUCTION NOTES

- CONFORM TO THE TOWN OF PROVINCETOWN ORDER OF CONDITIONS.
- CONTRACTOR SHALL FLAG ALL TREES TO BE REMOVED FOR CO REPRESENTATIVE APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
- SEE CLEARING, DEMOLITION AND EROSION & SEDIMENT CONTROL PLAN FOR TREES TO BE CUT FLUSH WITH GROUND SURFACE AND TREES TO BE REMOVED ENTIRELY INCLUDING THE STUMP. NO STUMP SHALL BE VISIBLE AFTER FINAL GRADING. DO NOT DISTURB ROOTS EXCEPT AS NEEDED TO WIDEN PATH.
- PULVERIZE THE EXISTING ASPHALT AND USE FOR BASE MATERIAL FOR THE NEW ASPHALT. DO NOT PULVERIZE ANY DEEPER THAN THE EXISTING ASPHALT AND ANY ASSOCIATED BASED MATERIAL. CONTRACTOR TO VERIFY DEPTH OF BASE.
- COMPACT AND GRADE SHOULDERS WITH MATERIALS AND TO A WIDTH AS INDICATED ON THE DRAWINGS.
- ALL FILL AND AGGREGATE MATERIAL MUST BE ARCHEOLOGICAL AND SEED CERTIFIED. USE EXISTING MATERIAL FROM THE CONSTRUCTION SITE TO THE GREATEST EXTENT POSSIBLE.
- ADD CROSSWALK MARKINGS AT ALL PATH CROSSINGS (SEE DRAWINGS).
- NO CONSTRUCTION IS ALLOWED WITHIN WETLANDS. CONTRACTOR SHALL RE-ESTABLISH WETLAND FLAGGING PRIOR TO BEGINNING CONSTRUCTION.
- PROVIDE BENCHES AT AREAS SHOWN AND IN ACCORDANCE WITH THE DETAILS. BENCH STYLE TO BE APPROVED BY PARK. CONTRACTOR TO PROVIDE SUBMITTAL FOR APPROVAL.
- ALL STAGING AREAS TO BE APPROVED BY CO REPRESENTATIVE PRIOR TO CONSTRUCTION.
- TRUNCATED DOMES SHALL MEET THE REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS).
- CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS AND INSTALL NEW SIGNS AS INDICATED ON THE DRAWINGS.
- CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO THE EXISTING TRAIL BEING DISTURBED.

ROUTE 6 BIKE TRAIL CONNECTOR



TRAFFIC CONTROL NOTES

- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE MASSACHUSETTS HIGHWAY STANDARD DETAILS AND DRAWINGS FOR THE DEVELOPMENT OF TEMPORARY TRAFFIC CONTROL PLANS.
- FLAGGERS SHALL BE USED AT ROADWAY CROSSINGS DURING CONSTRUCTION.
- CONSTRUCTION PHASE TRAIL CLOSURE SIGNS SHALL BE INSTALLED PRIOR TO TRAIL CLOSURE AND SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION. DETAILS AND VERBIAGE TO BE USED FOR THE SIGNS SHALL BE PROVIDED BY THE NATIONAL PARK SERVICE TO THE CONTRACTOR.

GENERAL NOTES

- BETWEEN SEPTEMBER 4TH AND OCTOBER 30TH, THE CONTRACTOR, PRIOR TO BEGINNING SITE WORK AT ANY TIME OF DAY, SHALL CONDUCT A BOX "TURTLE SWEEP" AS THE CONTRACTOR PROCEEDS INTO A NEW SECTION OF PATH WITH VEHICLES AND EQUIPMENT. THE "TURTLE SWEEP" SHALL BE CONDUCTED BY A PERSON ON FOOT SO TURTLES ARE NOT DRIVEN OVER/CRUSHED.
- ALL TREE CUTTING AND GRUBBING SHALL BE COMPLETED BY MARCH 31 TO ACCOMMODATE THE EASTERN LONG EARED BAT ROOSTING SEASON.

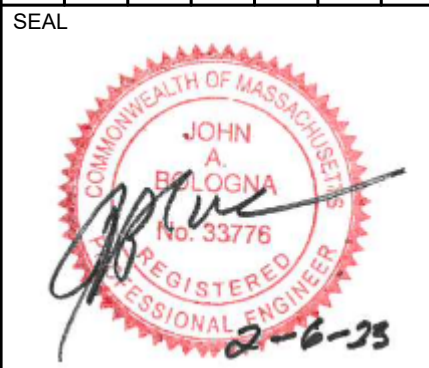
CONSTRUCTION SEQUENCE

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL (E&S) PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE.
- INSTALL EROSION AND SEDIMENT CONTROLS PER THE CONSTRUCTION DETAILS AND LOCATIONS PROVIDED ON THE PLANS.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, DIG SAFE SHALL BE NOTIFIED AT 1-800-DIG-SAFE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS.
- THE CONTRACTOR TO CLEAR AND GRUB AREAS ONLY REQUIRED TO BE CLEARED FOR THE PROPOSED CONSTRUCTION.
- ALL MATERIAL EXCAVATED FROM THE SITE SHALL BE STOCKPILED FOR REUSE. REUSE MATERIAL ON SITE TO THE EXTENT POSSIBLE.
- THE STABILIZED STAGING AREAS SHOULD BE LOCATED IN A PAVED PARKING AREA AS DESIGNATED BY CO REPRESENTATIVE. APPROVAL OF ALL STAGING AND STOCKPILE AREAS BY CO REPRESENTATIVE IS REQUIRED PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR SHALL BEGIN PULVERIZING OF EXISTING ASPHALT.
- INSTALL TRAIL SURFACE PAVING AS INDICATED ON THE DRAWINGS.
- CONDUCT FILLING AND GRADING AS SPECIFIED.
- THE CONTRACTOR SHALL MAINTAIN ALL SOIL EROSION AND SEDIMENTATION CONTROLS UNTIL FINAL STABILIZATION.
- COMPLETE GRADING, PERMANENT STABILIZATION AND SEEDING OF ALL DISTURBED AREAS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL SHALL BE STABILIZED IMMEDIATELY.

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COMMISSION REVIEW



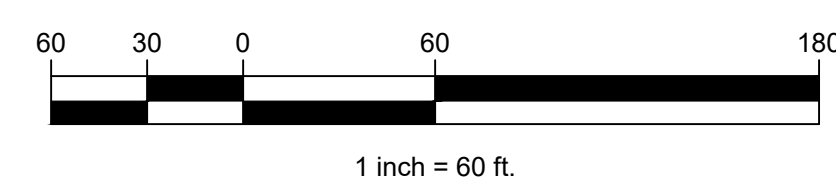
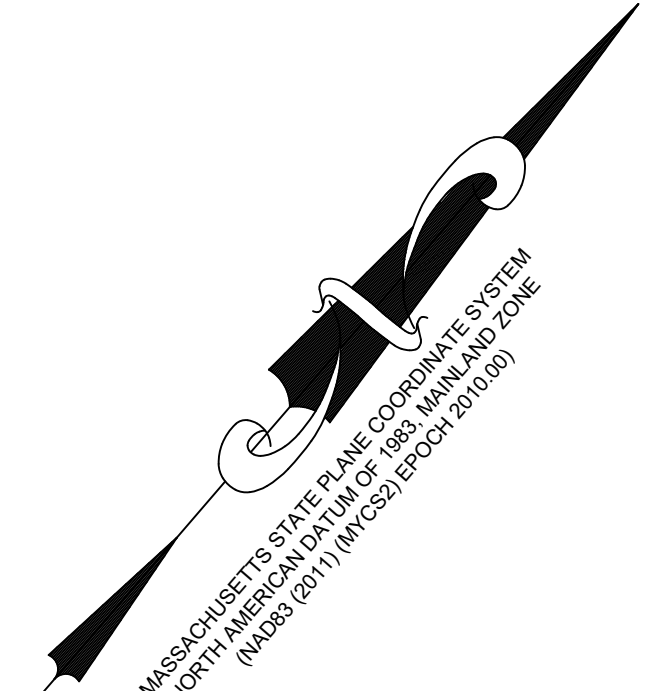
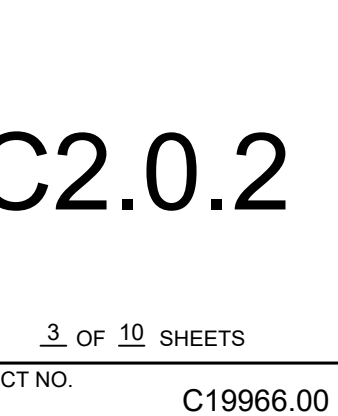
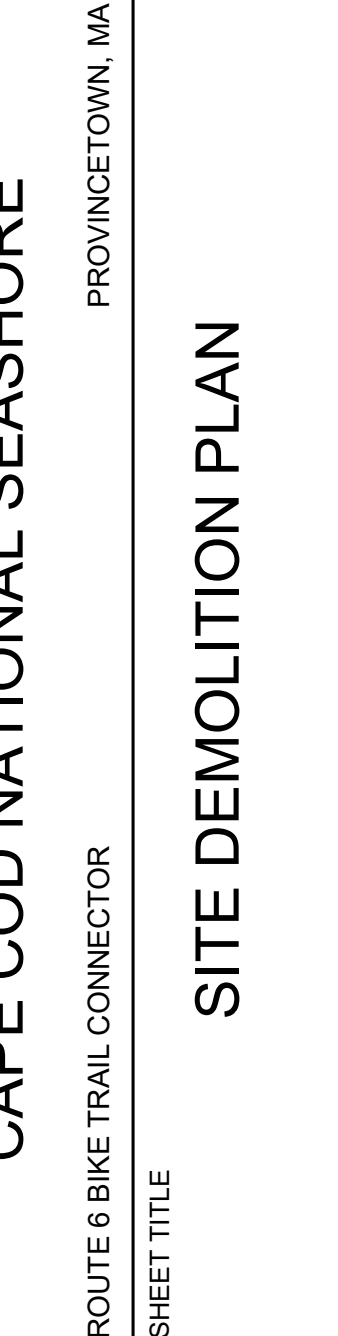
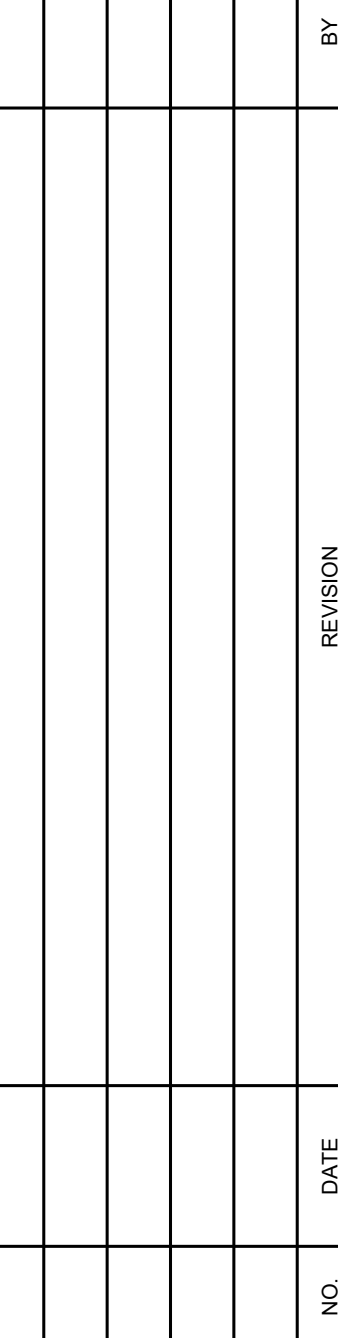
NO.	DATE	REVISION	BY



PROJECT	CAPE COD NATIONAL SEASHORE
PROVINCETOWN, MA	ROUTE 6 BIKE TRAIL CONNECTOR
SHEET TITLE	SHEET LAYOUT KEY

SCALE	AS NOTED
DRAWING FILE	C19966-CIV-HC.dwg
DATE	02/06/2023
DRAWN BY	JJB
CHECKED BY	JAB

C2.0.1
2 OF 10 SHEETS
PROJECT NO. C19966.00

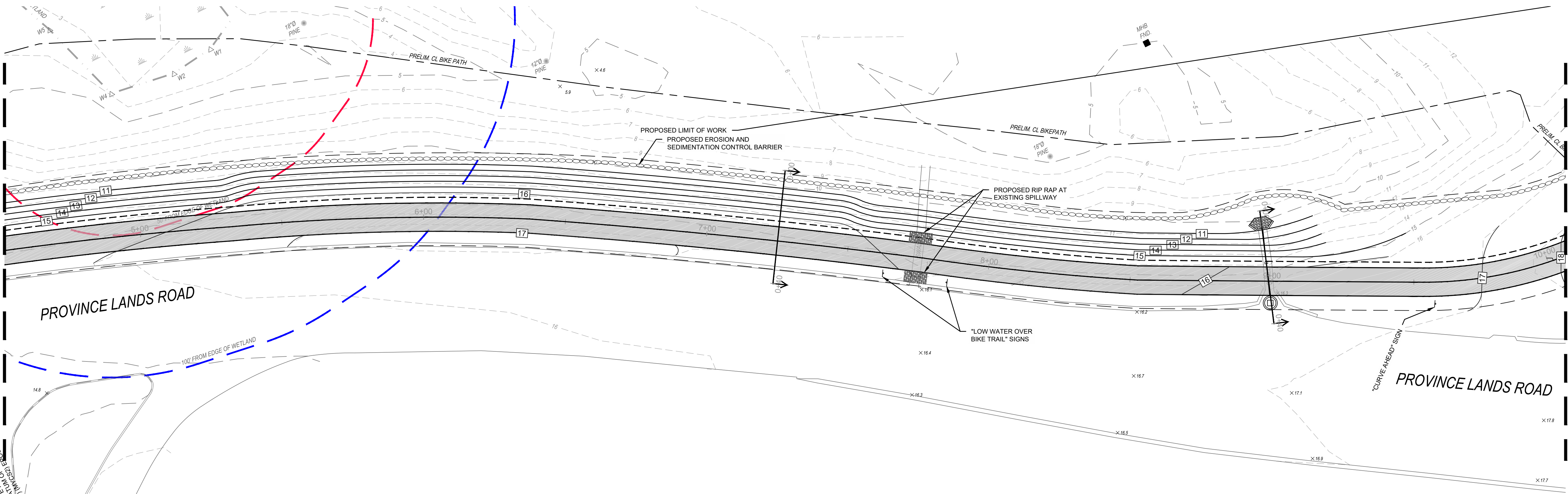


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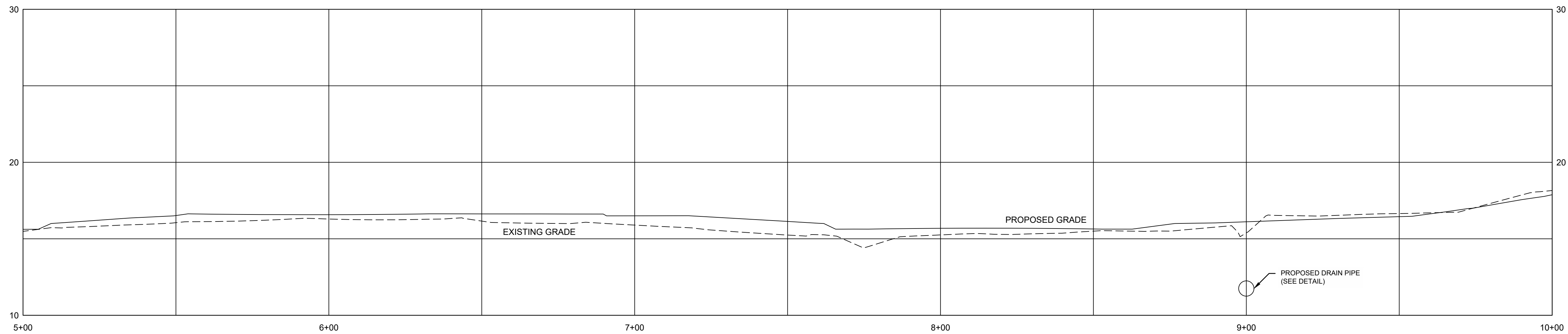
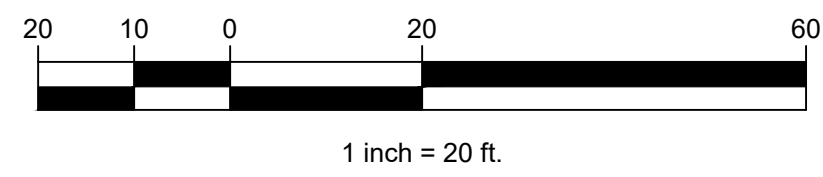
MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ROUTE 6 BIKE TRAIL CONNECTOR
PROPOSED TRAIL PLAN & PROFILE II
SHEET C2.1.2

CONTINUED ON
SHEET C2.1.1

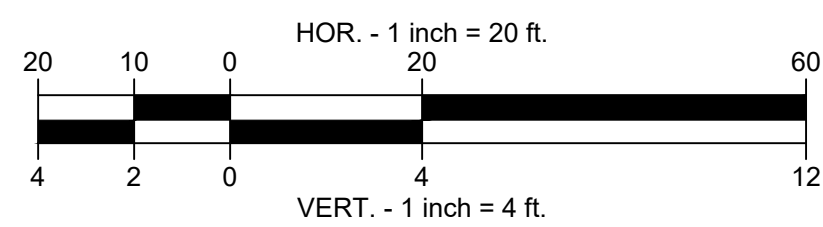


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PLAN



PROFILE



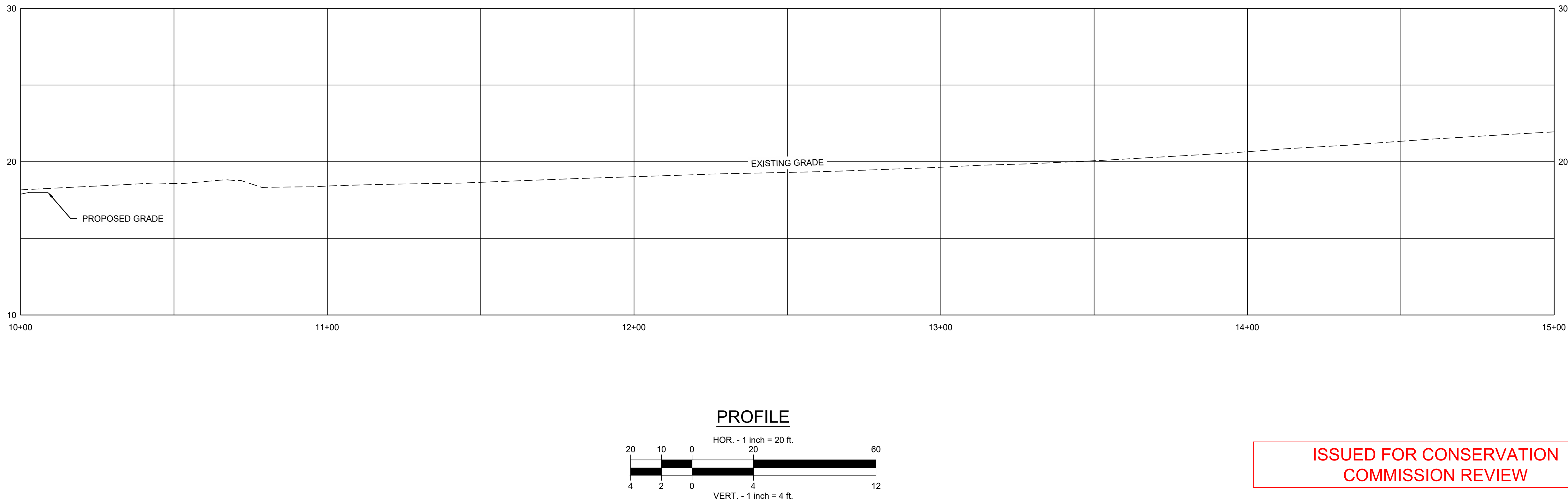
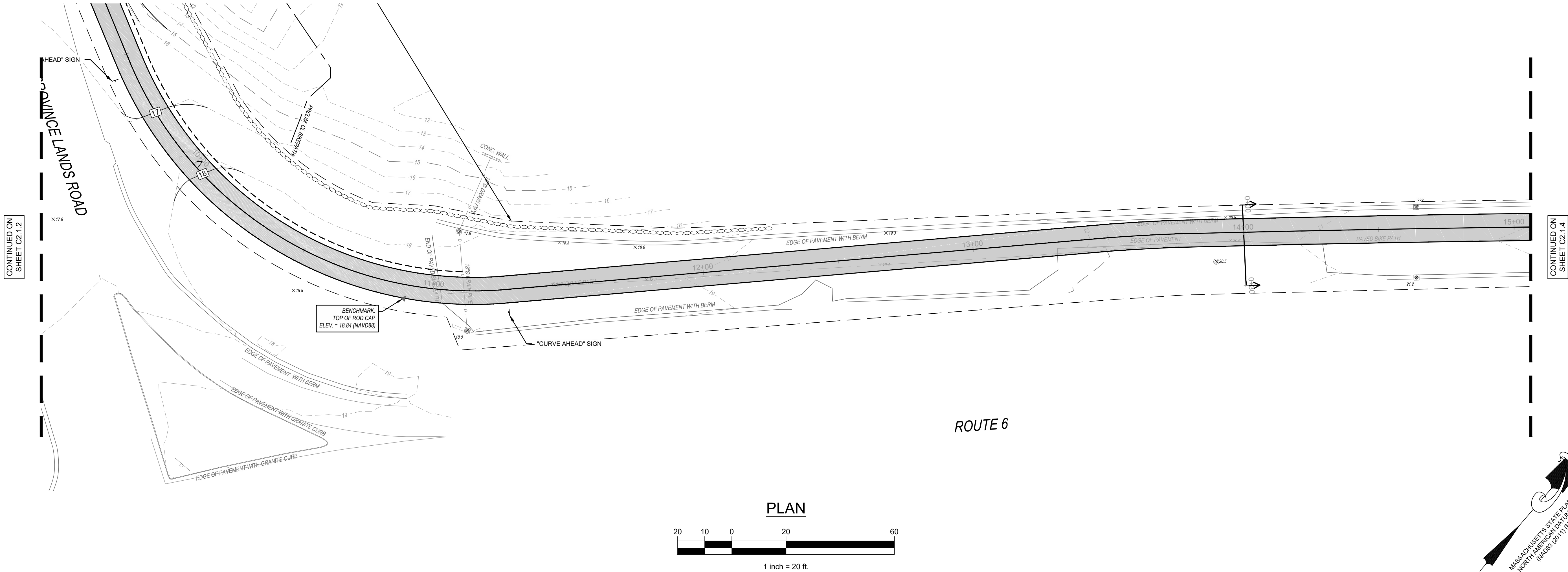
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COMMISSION REVIEW

NO.	DATE	REVISION	BY



PROJECT	CAPE COD NATIONAL SEASHORE
SCALE	AS NOTED
DRAWING FILE	C19966-CIV-HC.dwg
DATE	02/06/2023
DRAWN BY	JJB
CHECKED BY	JAB
SHEET TITLE	PROPOSED TRAIL PLAN & PROFILE II

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COMMISSION REVIEW

COASTAL
engineering co.

260 Cranberry Hwy, Orleans, MA 02653
508-255-6511 P 508-255-6700 F

NO.	DATE	REVISION	BY

SEAL

PROJECT
CAPE COD NATIONAL SEASHORE
ROUTE 6 BIKE TRAIL CONNECTOR
SHEET TITLE
PROPOSED TRAIL PLAN & PROFILE III

PROVINCE TOWN, MA

SCALE
AS NOTED

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DATE
02/06/2023

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JJB

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JAB

C2.1.3

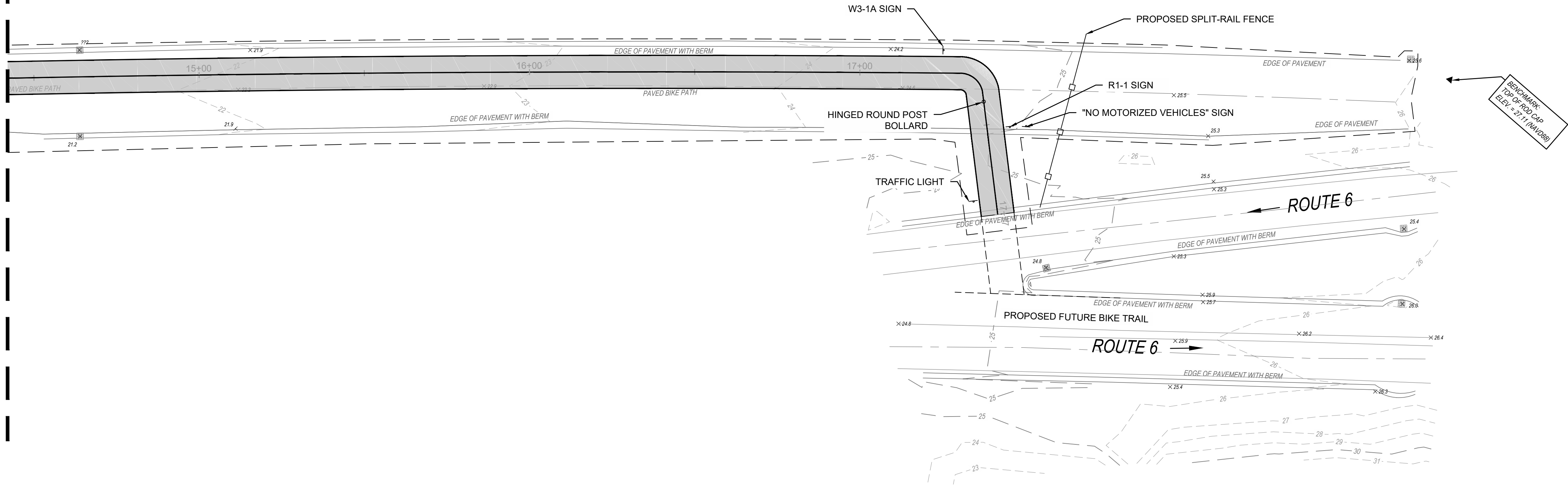
5 OF 10 SHEETS

PROJECT NO.
C19966.00

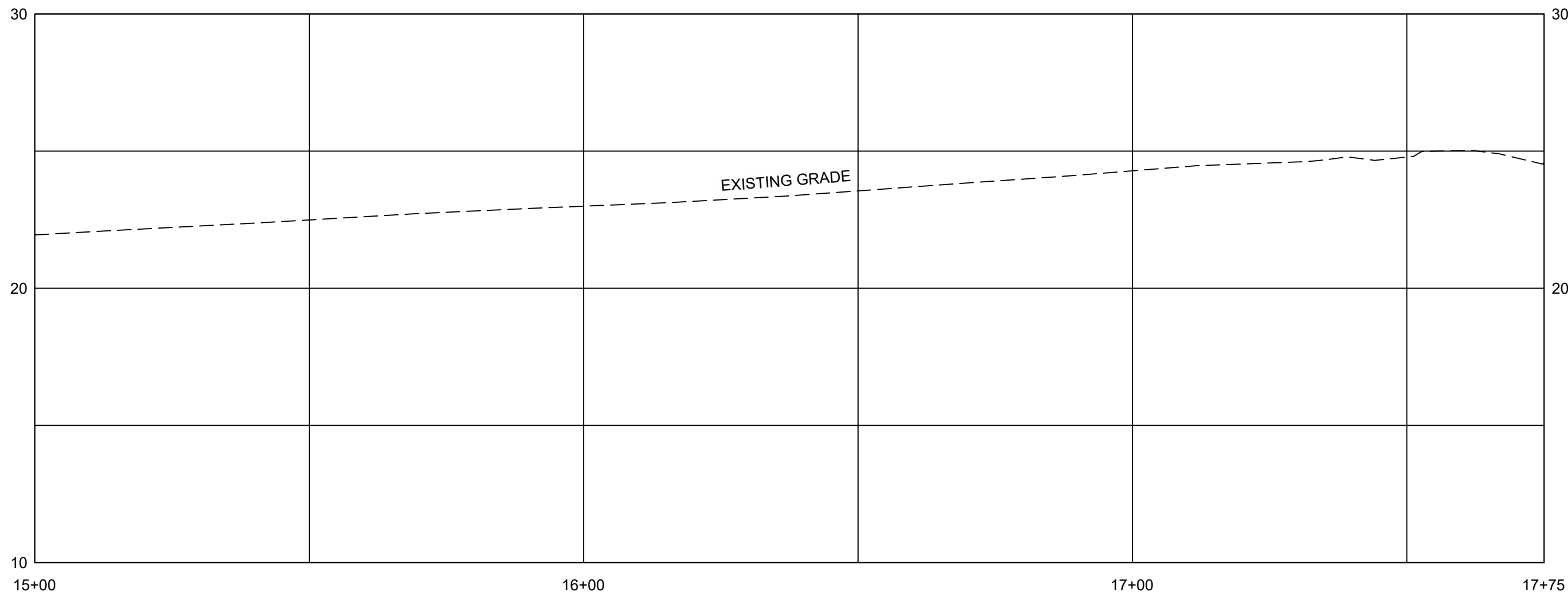
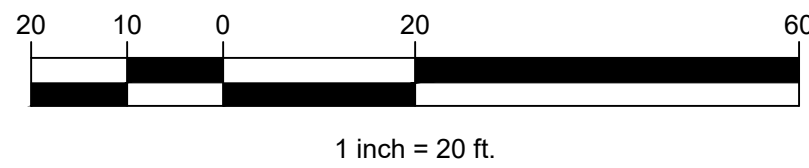
Coastal Engineering Co., Inc. © 2023

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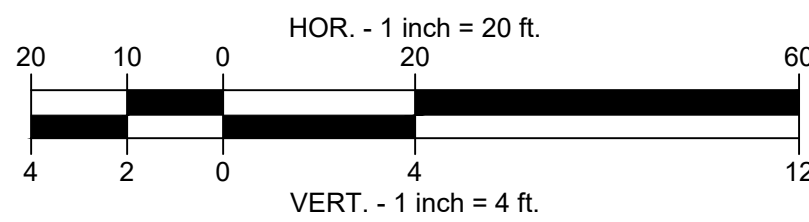
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SHEET C2.1.3



PLAN



PROFILE



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NO.	DATE	REVISION	BY



PROJECT
CAPE COD NATIONAL SEASHORE
ROUTE 6 BIKE TRAIL CONNECTOR
SHEET TITLE
PROPOSED TRAIL PLAN & PROFILE IV

SCALE
AS NOTED

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02/06/2023

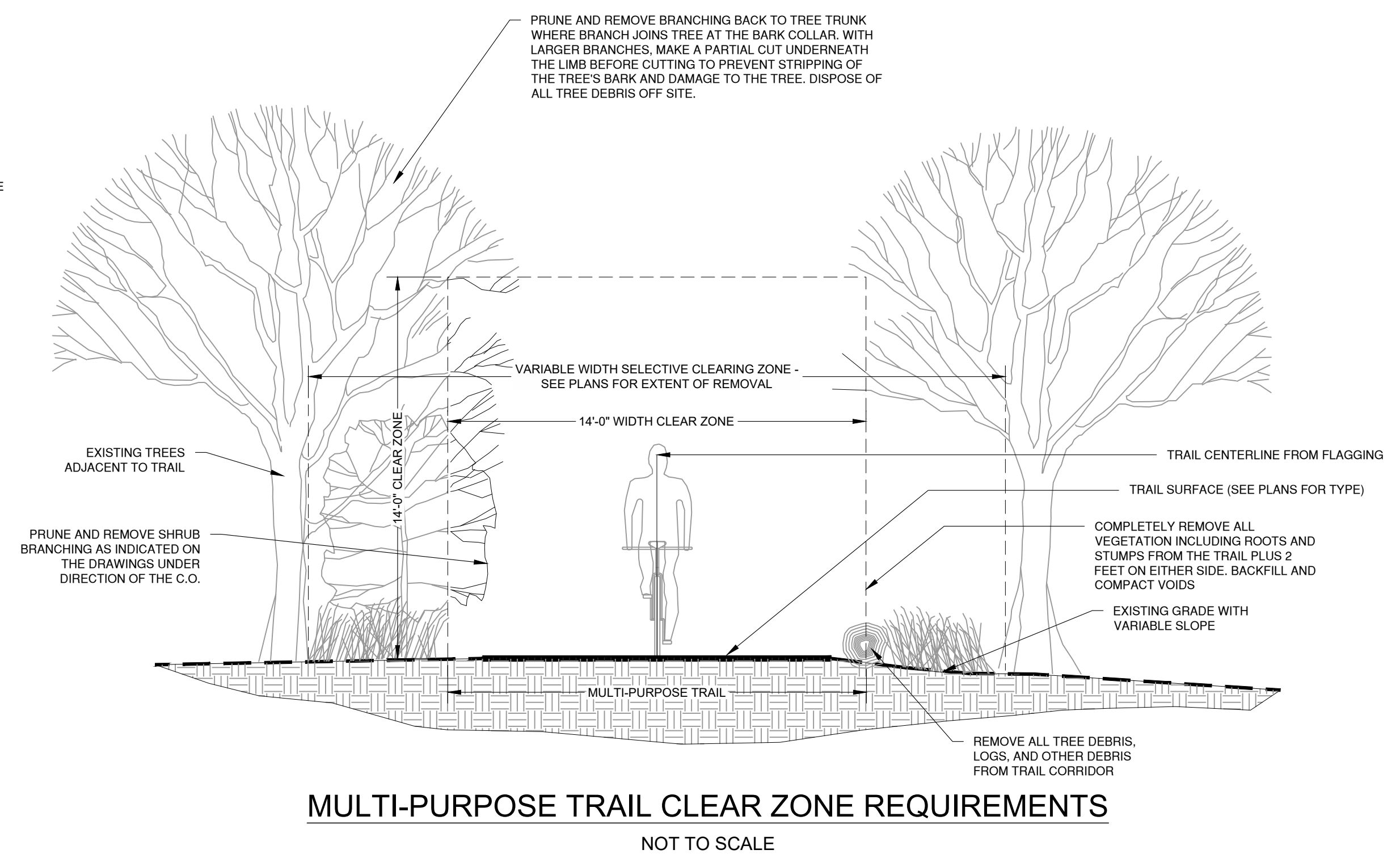
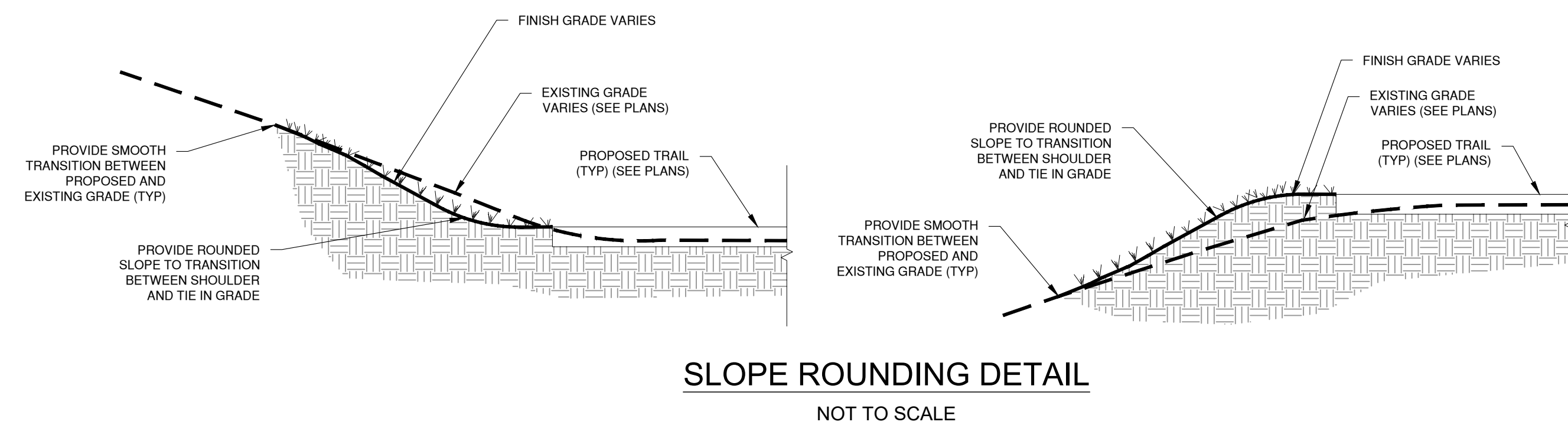
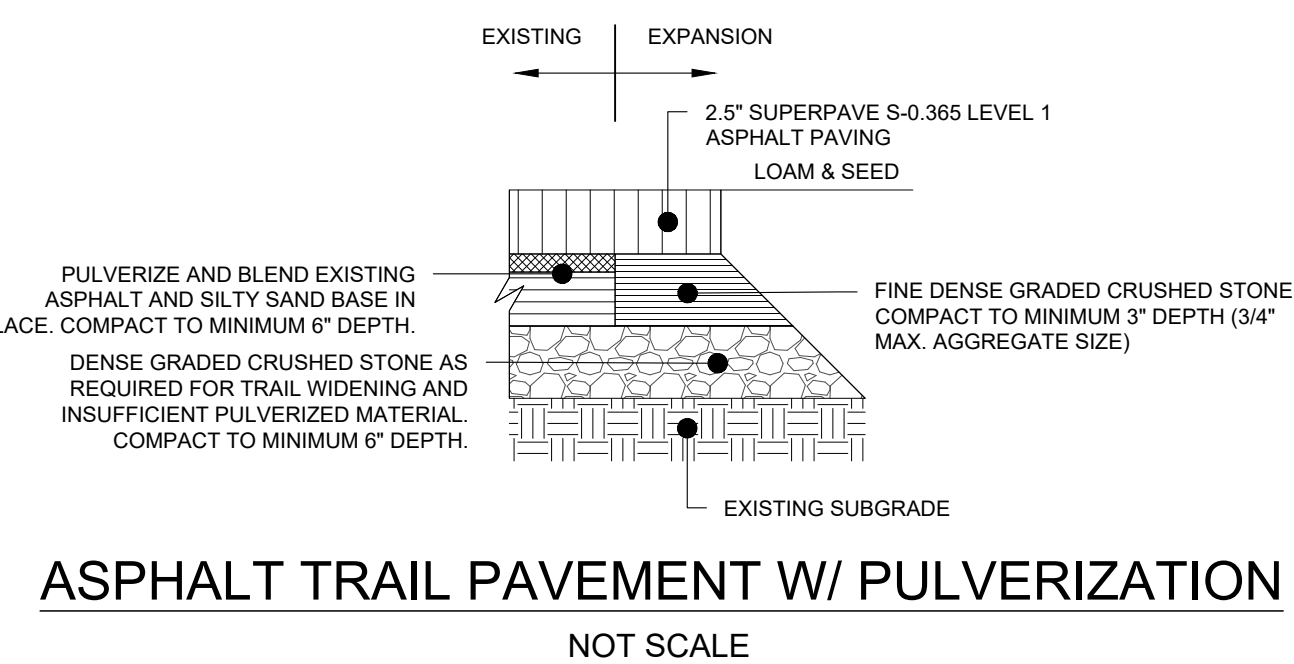
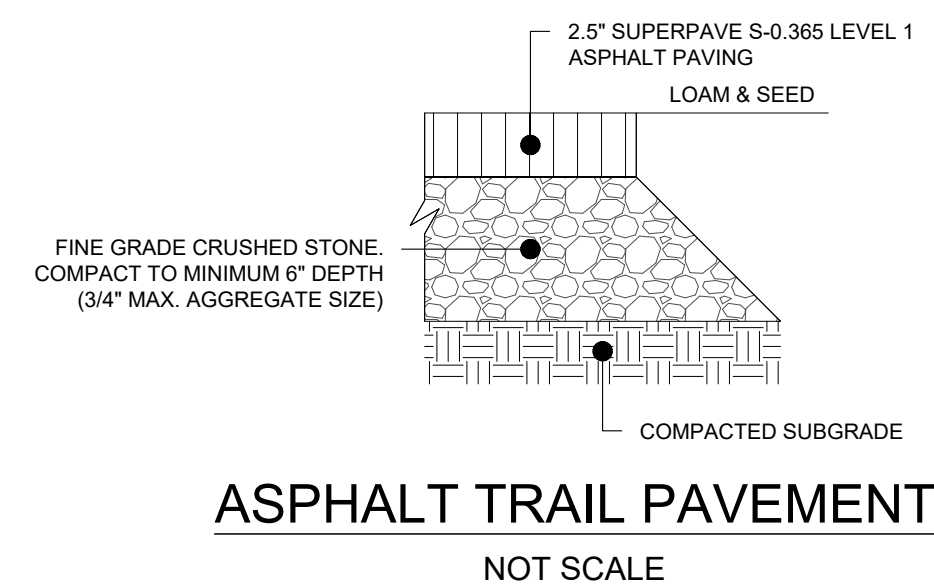
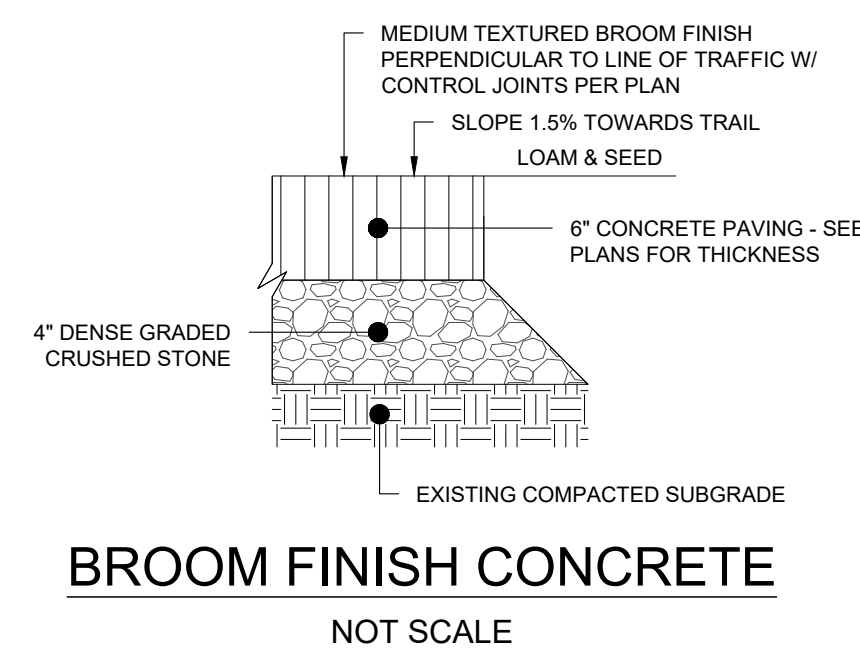
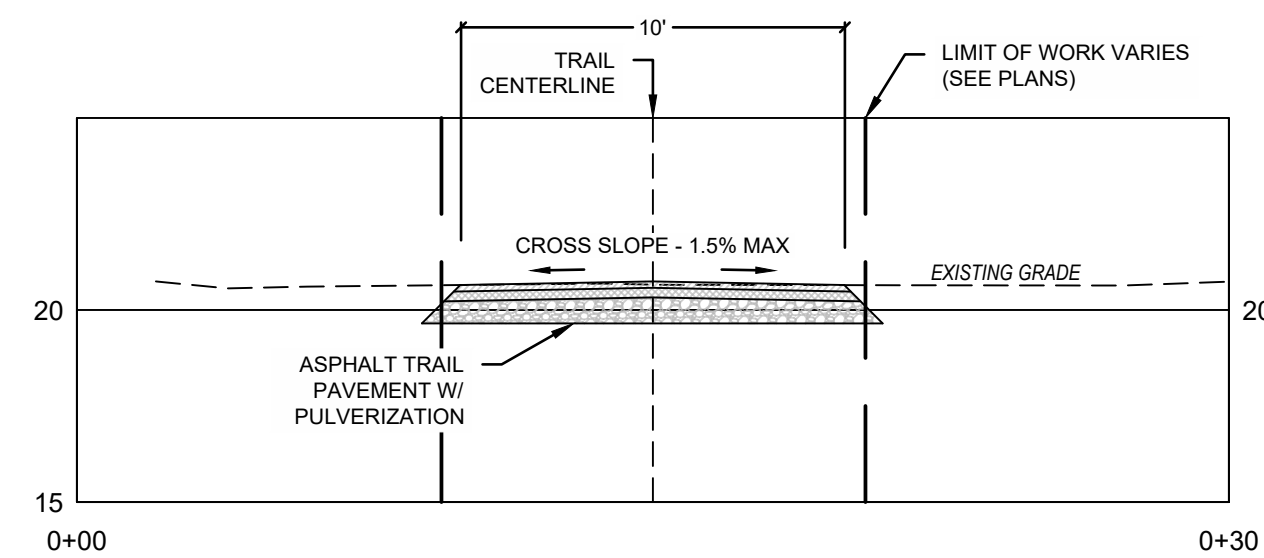
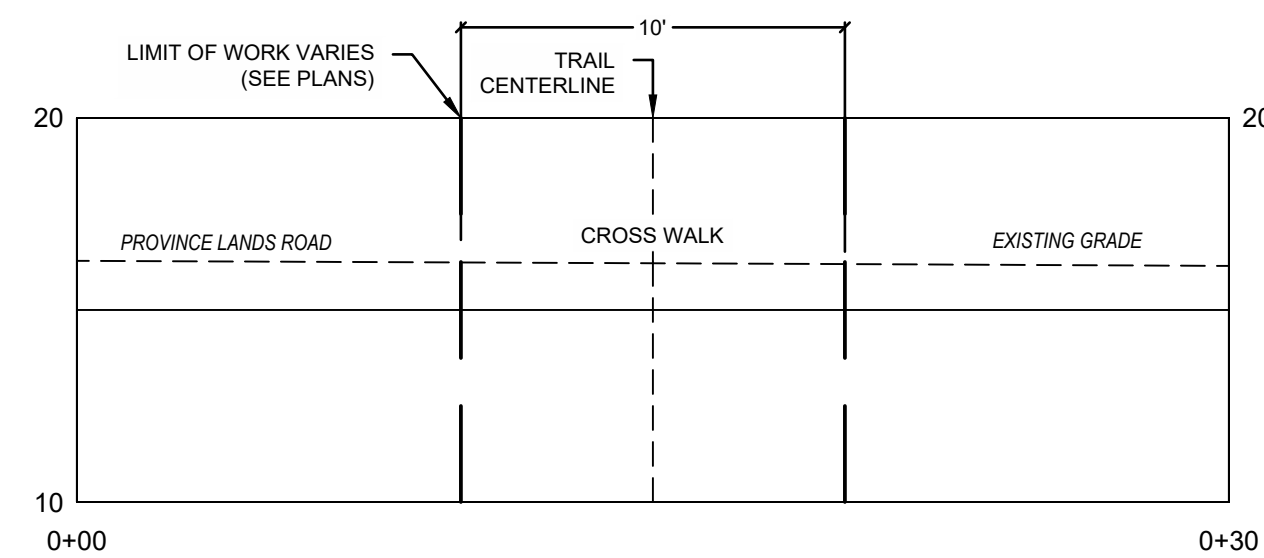
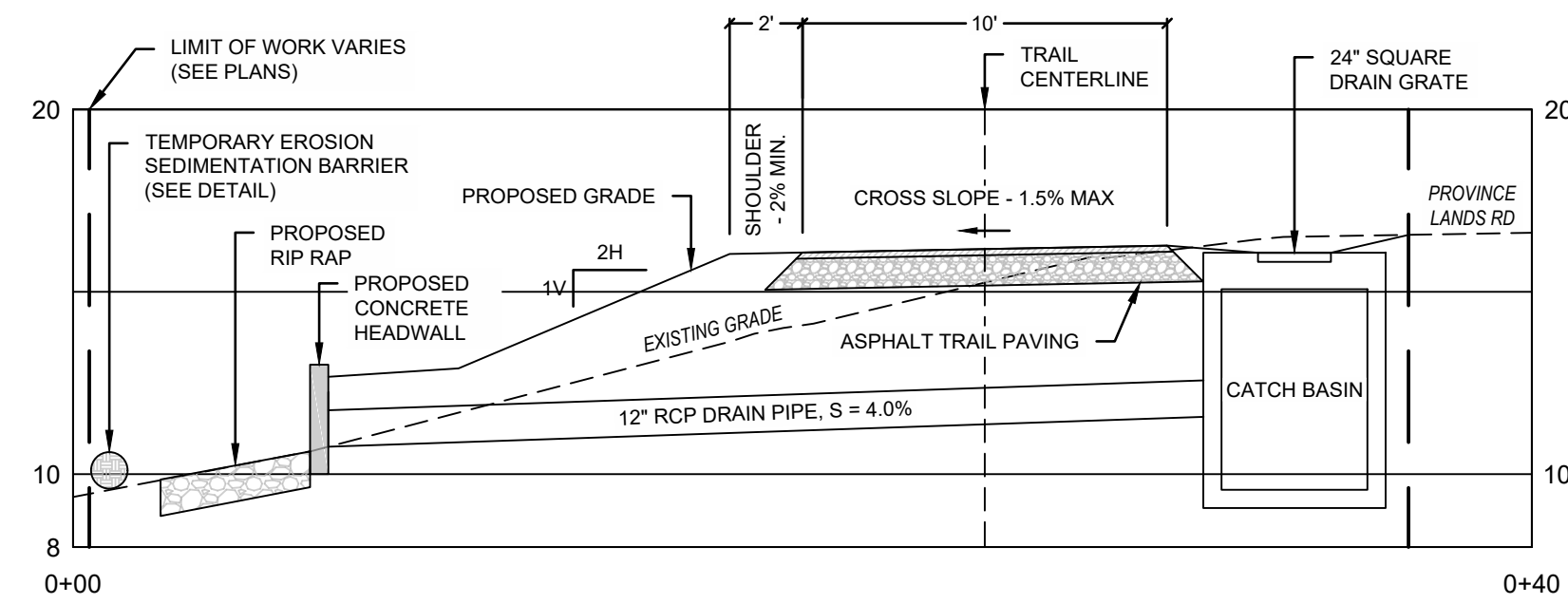
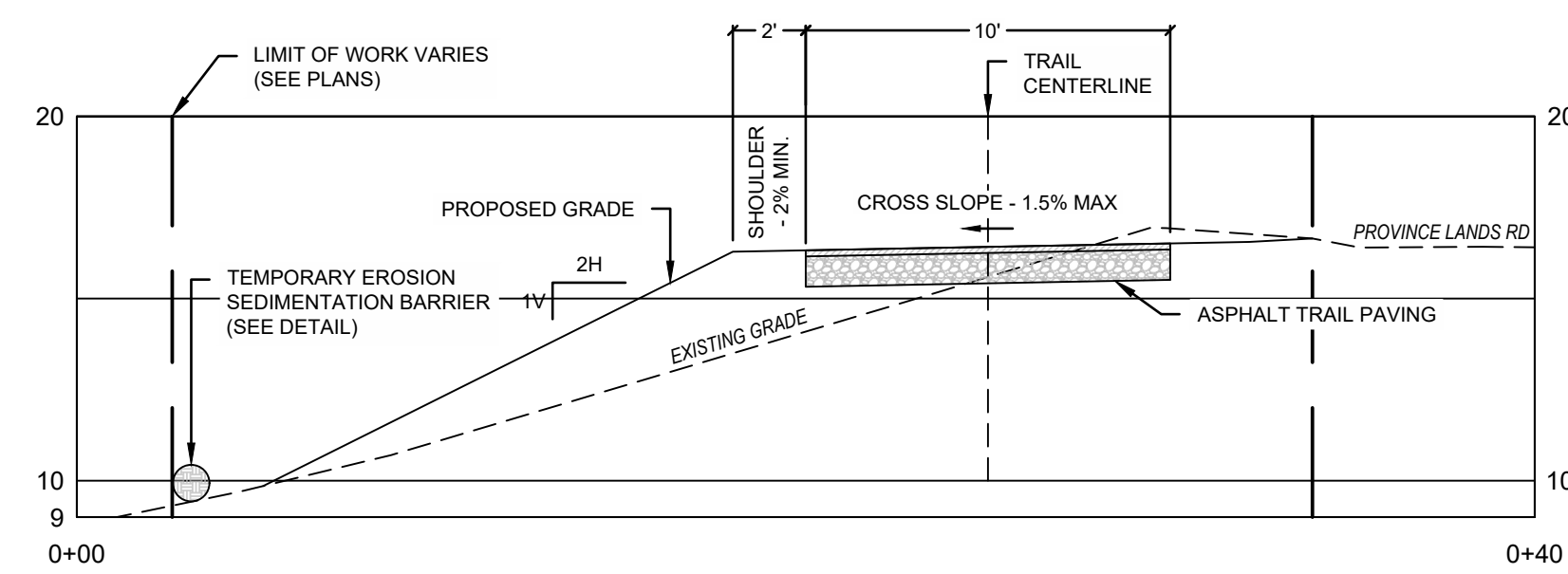
DRAWN BY
JJB

CHECKED BY
JAB

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7 OF 10 SHEETS

PROJECT NO.
C19966.00



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NO.		DATE		REVISION		BY	



CAPE COD NATIONAL SEASHORE

PROVINCETOWN, MA

ROUTE 6 BIKE TRAIL CONNECTOR

SHEET TITLE

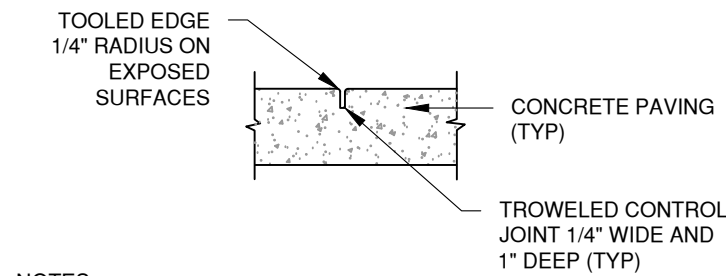
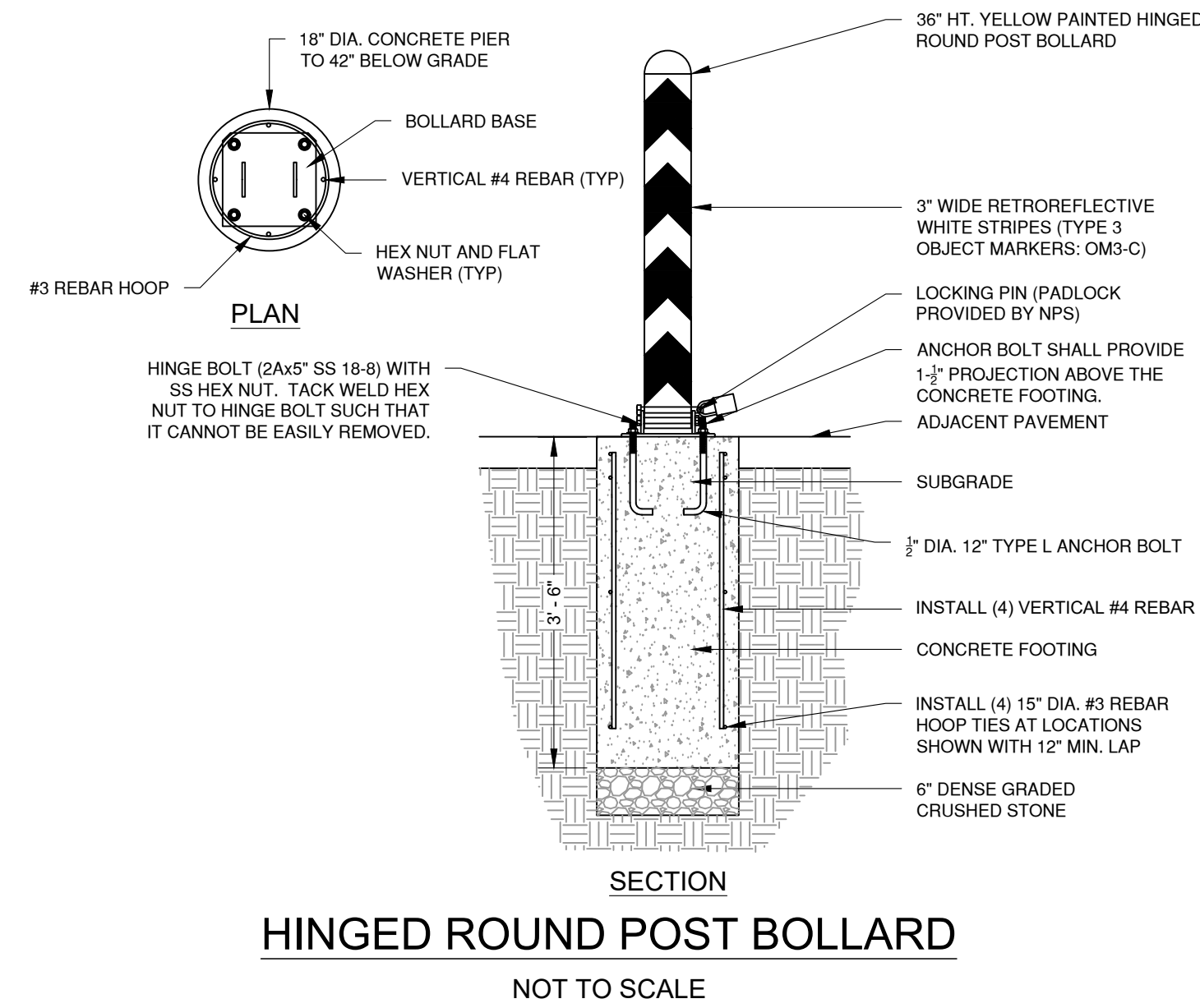
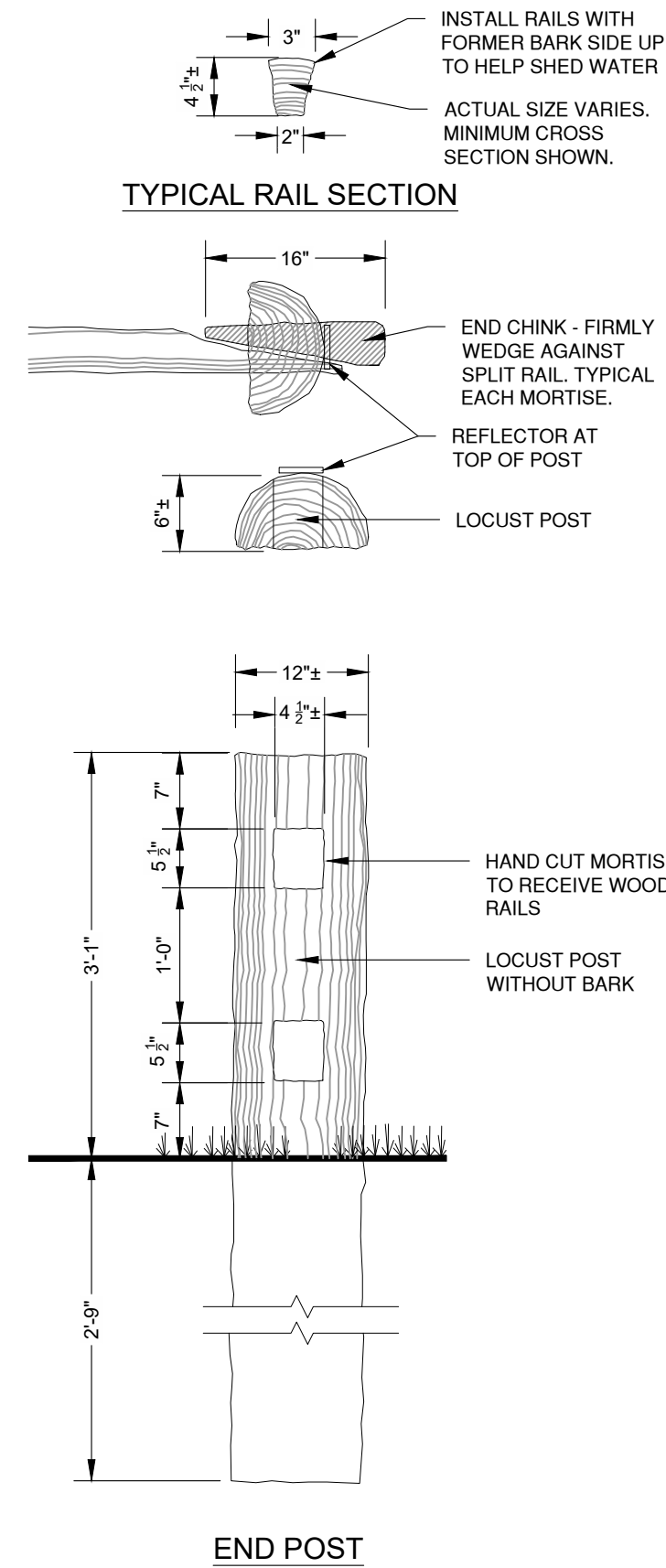
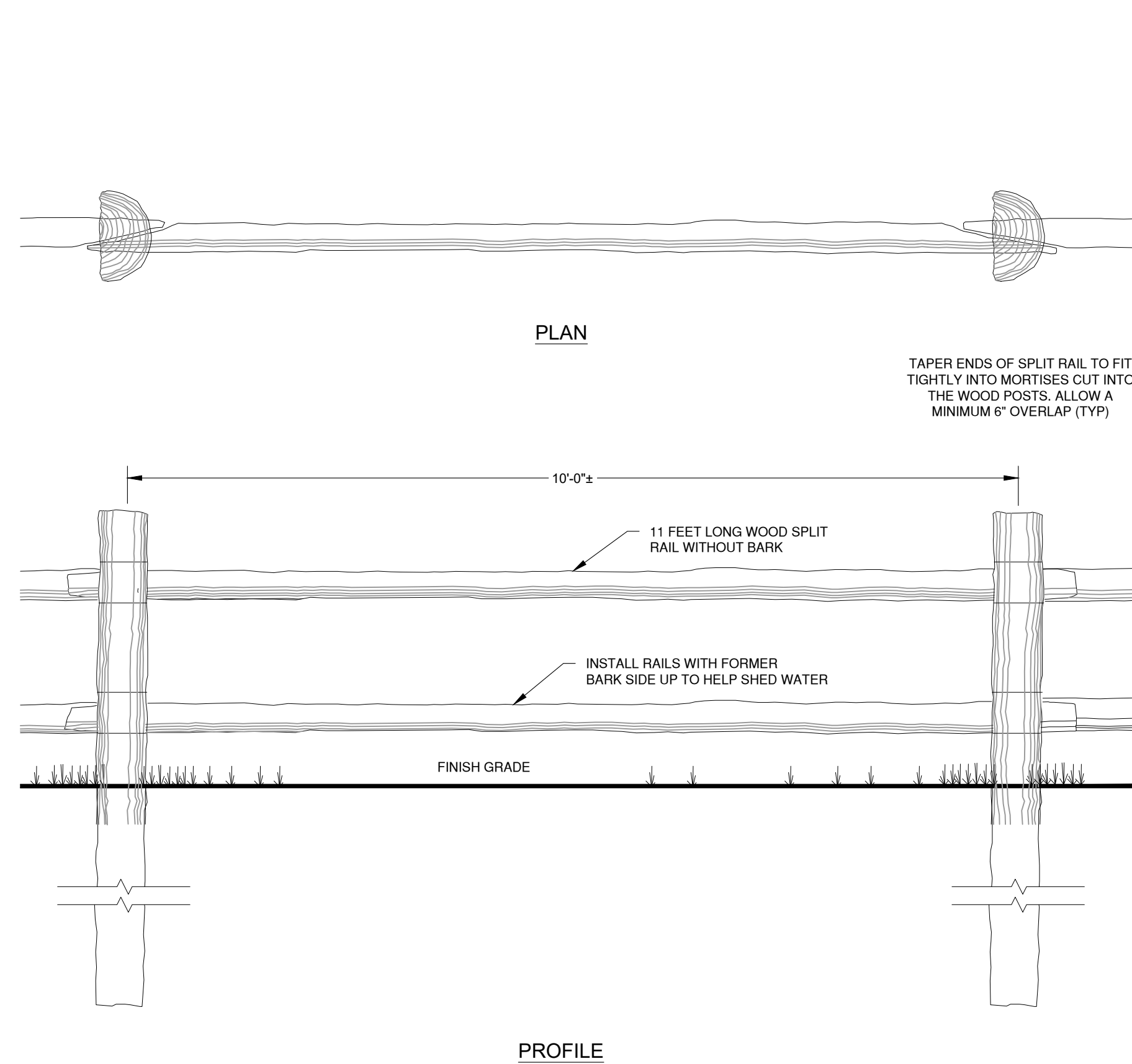
TYPICAL CROSS SECTIONS & SITE DETAILS

	AS NOTED
NG FILE	C19966-CIV-HC.dwg
	02/06/2023
N BY	JJJ
ED BY	JAB

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8 OF 10 SHEETS

CT NO. C19966.00



NOTES:

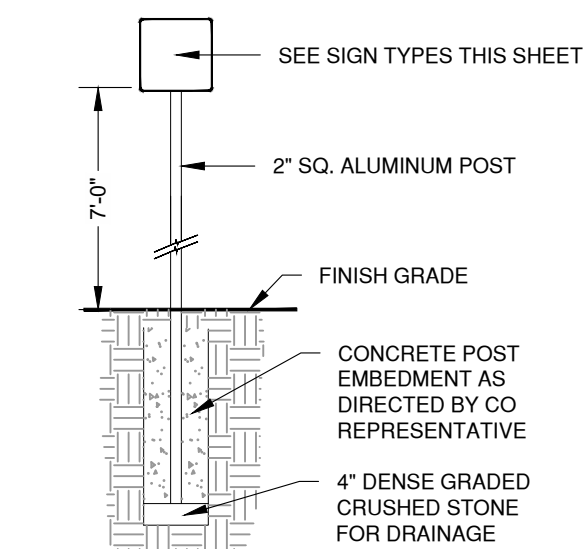
1. PROVIDE EXPANSION JOINTS WHENEVER CONCRETE SLABS MEET OR ARE ADJACENT TO WALLS OR FIXED STRUCTURES.
2. EDGING TOOL SHALL BE SUBMITTED AND APPROVED BY NPS CONTRACTING OFFICER.

CONCRETE JOINT DETAILS

NOT TO SCALE

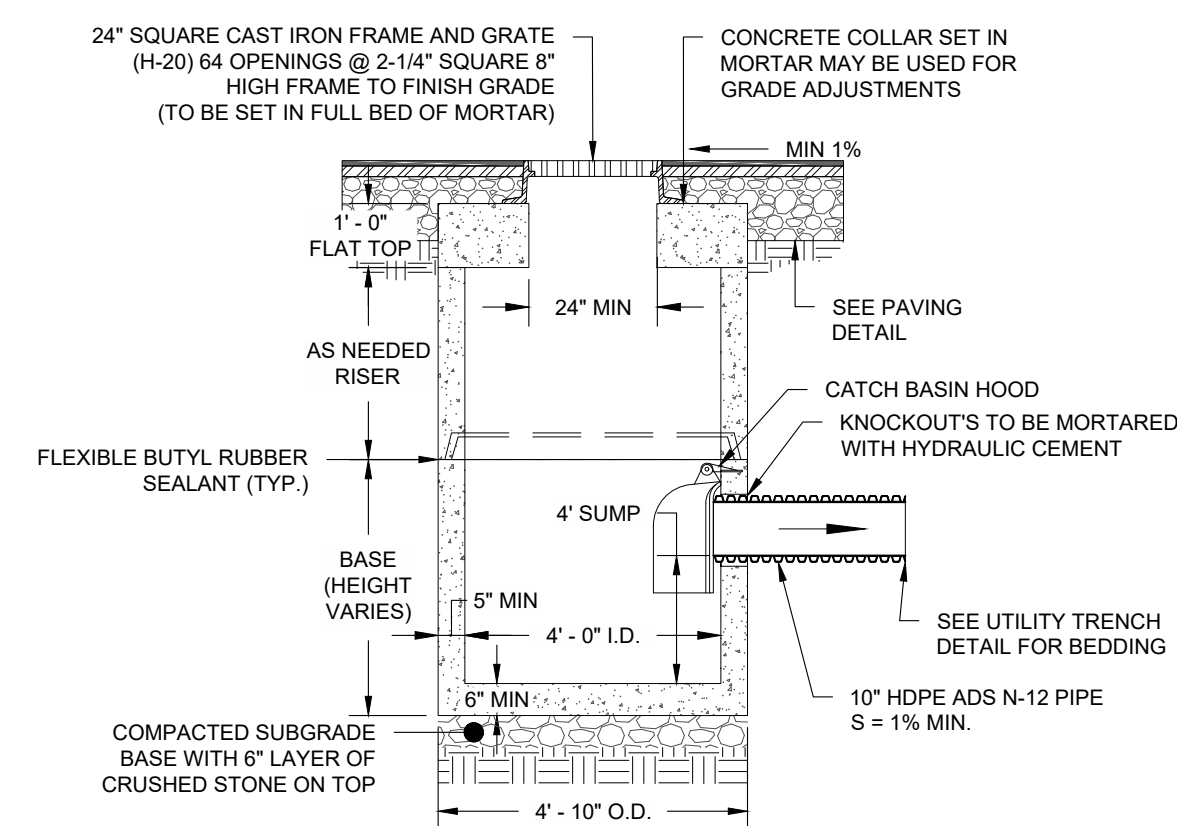
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SIGN SUMMARY				
QUANTITY	M.U.T.C.D. NUMBER	SPECIFICATION		DETAIL
		WIDTH	HEIGHT	
2	R1-1	18"	18"	
2	W3-1A	18"	18"	
2	W7-5	18"	18"	
2	N/A	12"	18"	 No Motorized Vehicles



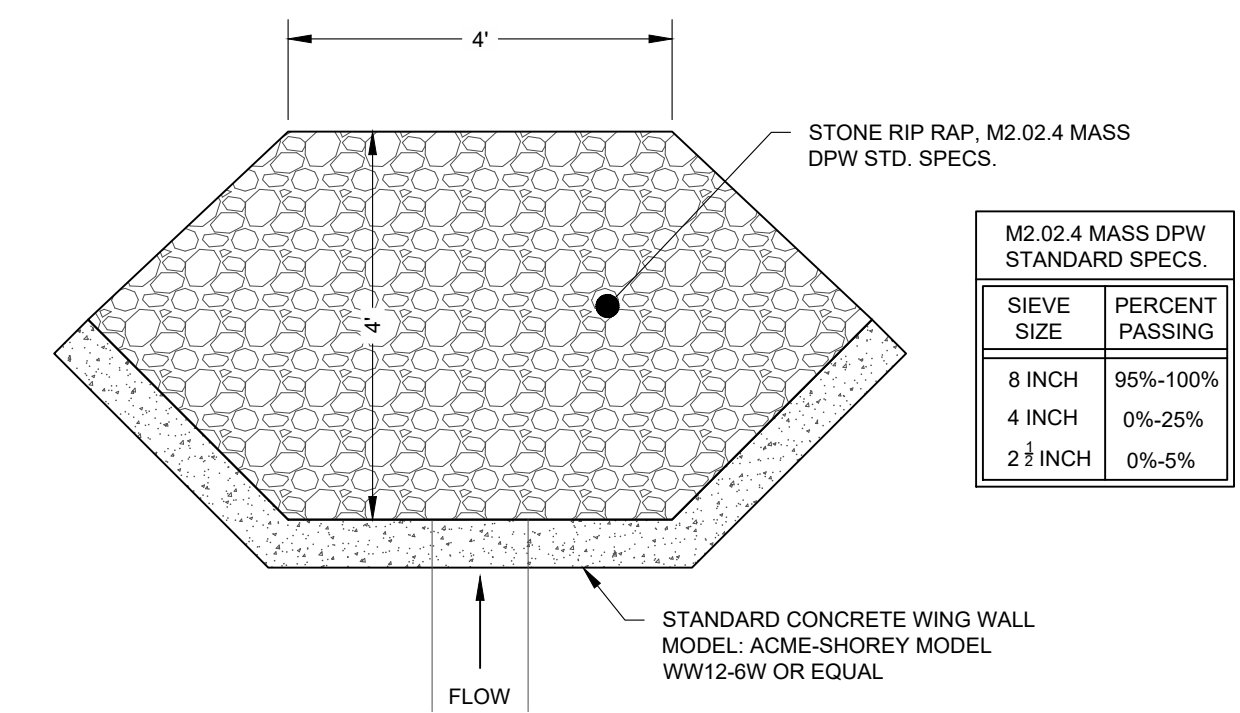
SIGNAGE NOTES

1. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED.
2. SUBMIT FINAL ARTWORK FOR EACH SIGN FOR APPROVAL BY CO REPRESENTATIVE PRIOR TO INSTALLATION.
3. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
4. ALL SIGNAGE LOCATIONS SHALL BE APPROVED BY CO REPRESENTATIVE PRIOR TO INSTALLATION.



PRECAST CONCRETE CATCH BASIN (CB)

NOT TO SCALE



DRAINAGE HEADWALL W/ RIP RAP

NOT SCALE

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COMMISSION REVIEW

EROSION & SEDIMENTATION CONTROL NOTES

- CONFORM TO THE TOWN OF PROVINCETOWN ORDER OF CONDITIONS.
- DEMOLITION AND SITE WORK CONTRACTORS TO ASCERTAIN THE LOCATION OF UNDERGROUND UTILITIES AND CONTACT DIG SAFE PRIOR TO EXCAVATION/ DEMOLITION.
- THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL, PROTECTION OF DRAINAGE STRUCTURES, AND MANAGEMENT OF STORMWATER RUNOFF UNTIL COMPLETION OF SITE-WORK AND ESTABLISHMENT OF VEGETATIVE GROUND COVER.
- THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING MEASURES DURING THE DAY TO DAY OPERATION AT THE SITE. THE SITE SHALL BE POLICED DAILY TO REMOVE ANY LITTER OR DEBRIS.
- INSTALL CATCH BASIN INLET PROTECTION IN ALL CATCH BASINS AND YARD DRAINS WITHIN THE WORK LIMIT.
- SEDIMENT BARRIERS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN.
- IF SEDIMENT ESCAPES THE CONSTRUCTION WORK LIMIT, THE OFF-SITE SEDIMENT SHALL BE REMOVED.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- EXCEPT AS PROVIDED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

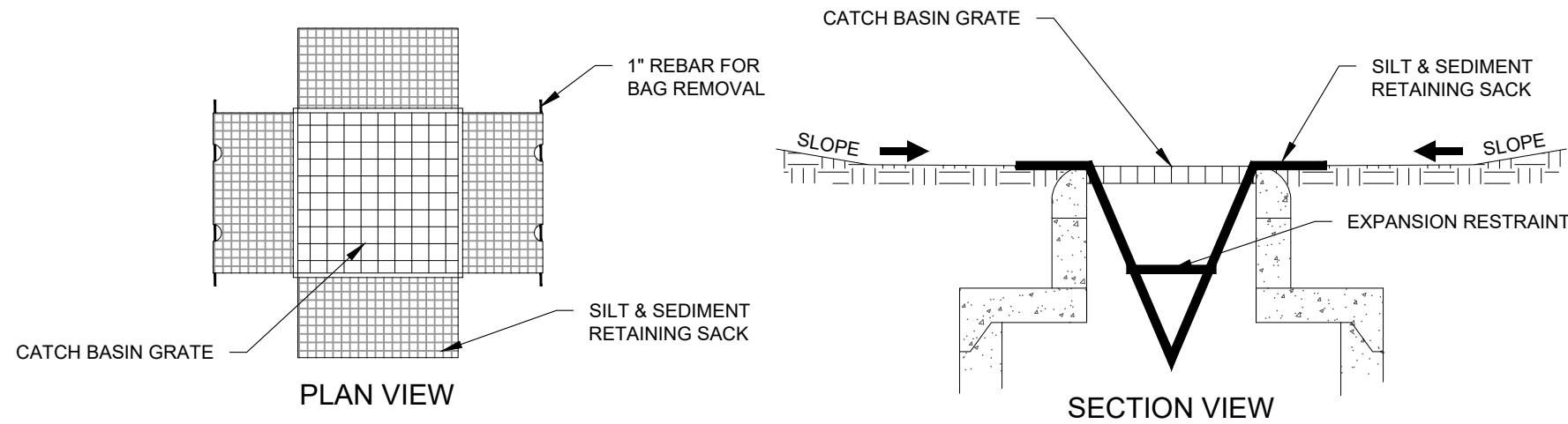
- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

STABILIZATION SPECIFICATIONS

- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT TRAIL, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. SEEDED AREAS WITHIN 50 OF SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- SEED MIX SHALL BE A NATIVE CAPE COD CONSERVATION MIX AND SHALL BE APPROVED BY THE PARK'S PLANT ECOLOGIST PRIOR TO USE.
- E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED.
- STRAW MULCH SHOULD BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW. THIS METHOD IS LIMITED TO SLOPES NO STEEPER THAN 3:1. THE MACHINERY SHOULD BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF STRAW BY RUNNING OVER IT WITH TRACKING MACHINERY IS NOT RECOMMENDED.)
- JUTE NETTING SHALL BE BIODEGRADABLE WITH BIODEGRADABLE STAPLES AND SHALL BE USED IN DISTURBED AREAS EXCEEDING A 3:1 SLOPE.

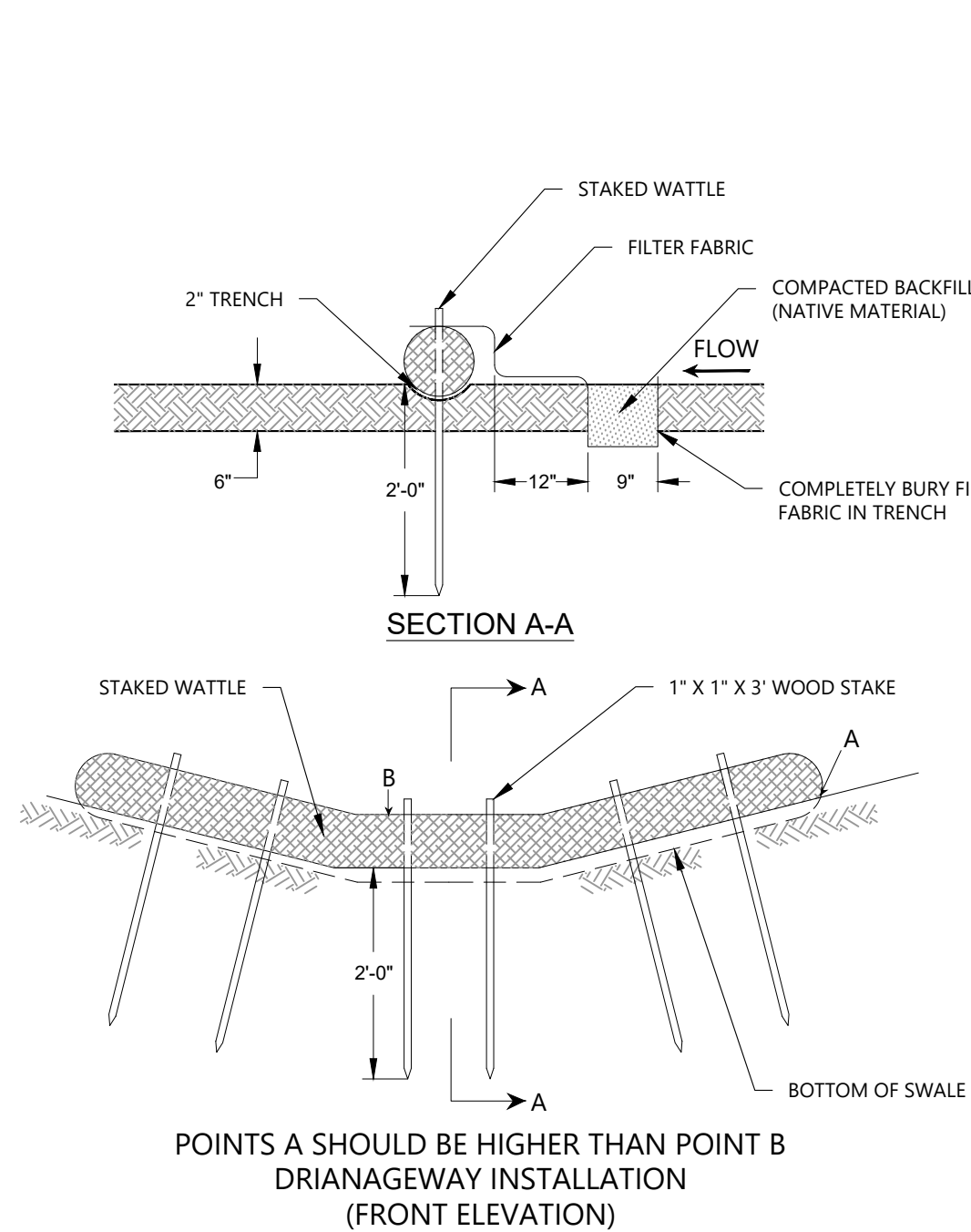
MAINTENANCE PROGRAM

- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENEWING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- THE CONTRACTOR MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
 - A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
 - THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPS SHALL BE REINCORPORATED INTO MATERIAL USED FOR GRADING.



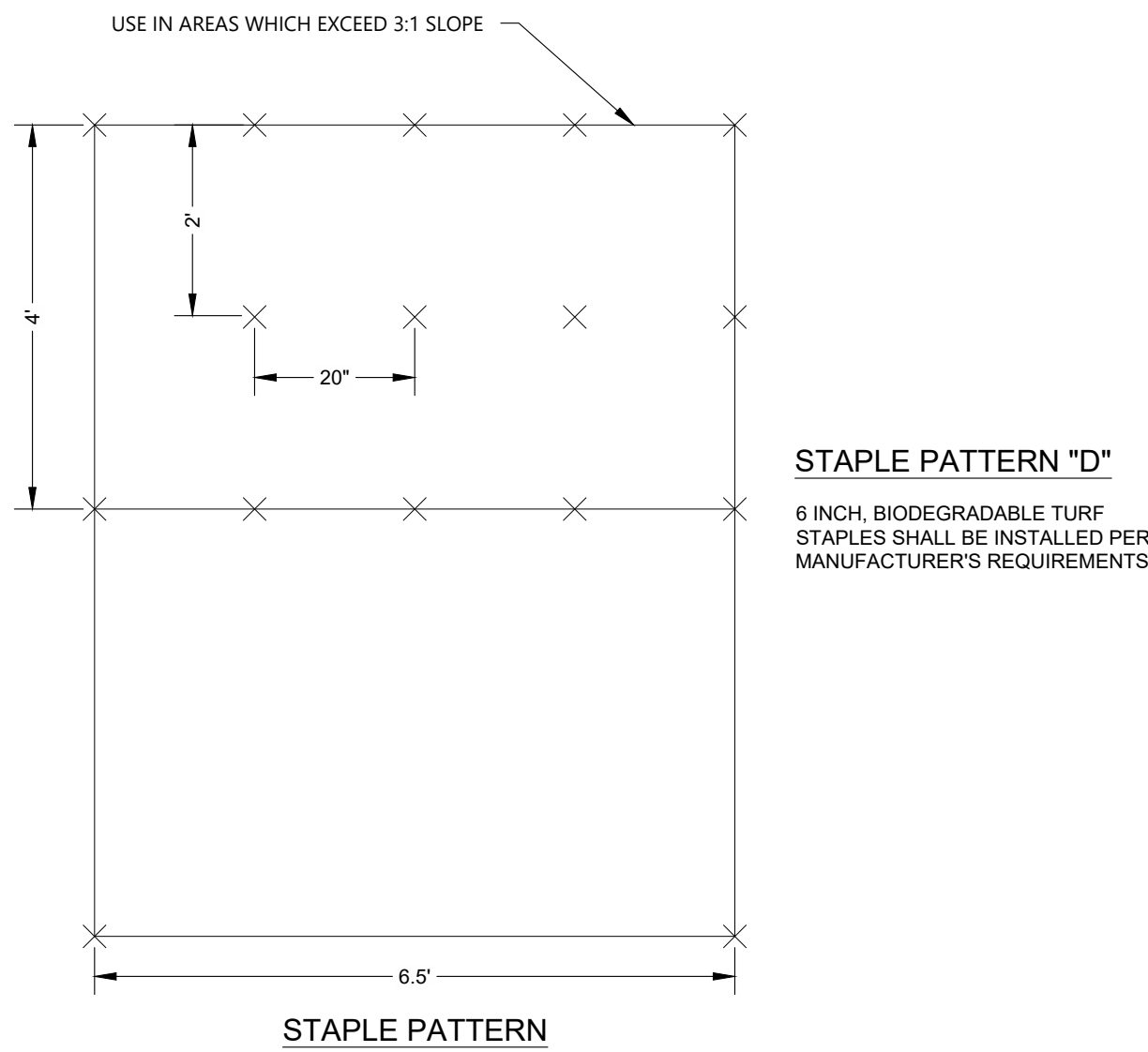
- NOTES:
- GRATE IS TO BE SET OVER SILT & SEDIMENT RETAINING SACK.
 - INSPECT ALL SILT & SEDIMENT RETAINING SACKS AFTER EACH PRECIPITATION EVENT AND EMPTY SACKS WHEN MORE THAN HALF FULL.

CATCH BASIN INLET PROTECTION DETAIL
NOT TO SCALE



- NOTES
- THIS CHECKDAM SHALL BE INSTALLED IN A DRAINAGE SWALE AS INDICATED ON THE DRAWINGS.
 - LOCATIONS MAY BE ADJUSTED IN THE FIELD AS REQUIRED BY THE NPS CONTRACTING OFFICES.
 - WATTLES SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

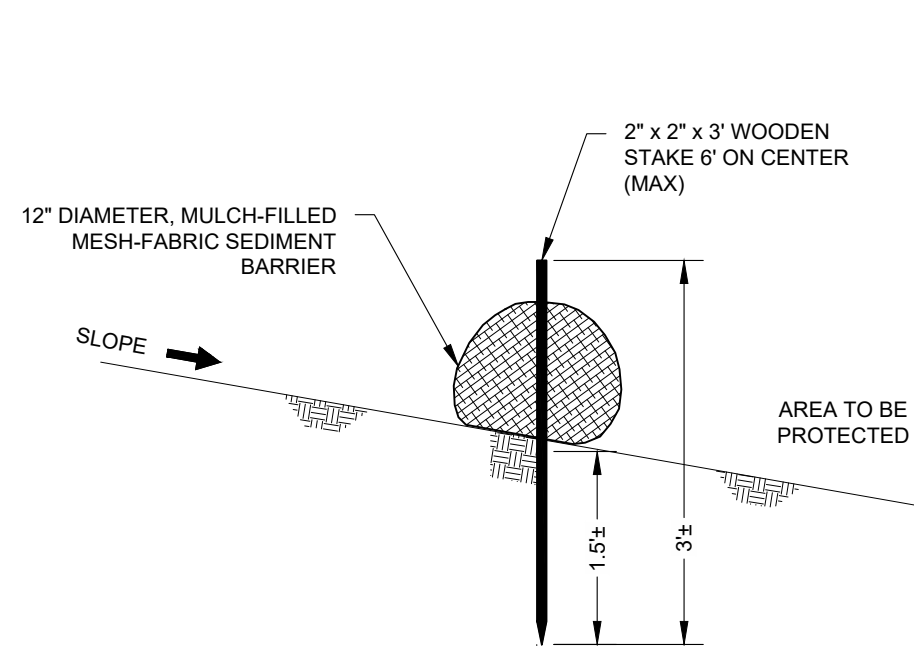
STRAW WATTLE CHECKDAM
NOT TO SCALE



- NOTES:
- PREPARE SOIL BEFORE INSTALLING BLANKETS.
 - BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6 INCH DEEP BY 6 INCH WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
 - PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6 INCH OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4 INCHES APART TO SECURE BLANKETS.
 - FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN A 6 INCH DEEP BY 6 INCH WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4 INCHES OVER THE CENTER BLANKET AND STAPLED.
 - IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE-CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4 INCHES APART OVER ENTIRE WIDTH OF CHANNEL. PLACE A SECOND ROW 4 INCHES BELOW THE FIRST ROW IN A STAGGERED PATTERN.
 - THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6 INCH DEEP BY 6 INCH WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

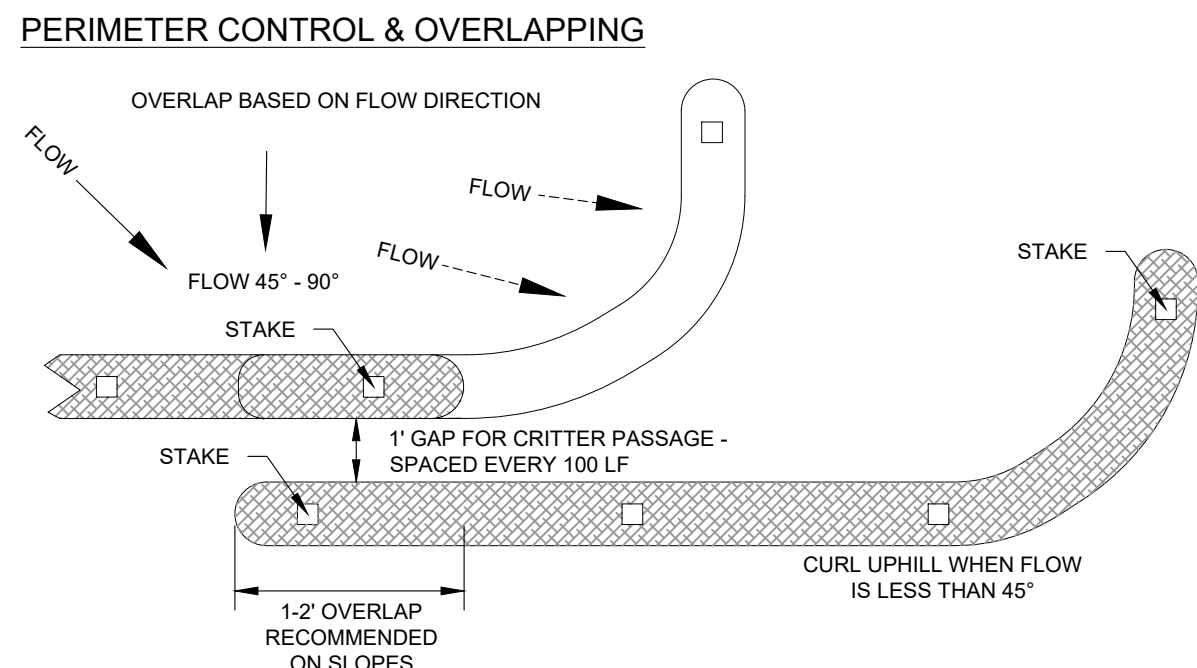
BIODEGRADABLE JUTE NETTING INSTALLATION
NOT TO SCALE

ISSUED FOR CONSERVATION
COMMISSION REVIEW



SEDIMENTATION BARRIER DETAIL
NOT TO SCALE

- NOTES:
- SLEEVE ENDS OF MESH-FABRIC SECTIONS TOGETHER TO FORM A CONTINUOUS SEDIMENT BARRIER.
 - SILTATION BARRIER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED UNTIL RE-VEGETATION OF AREA DISTURBED BY CONSTRUCTION.
 - AREAS DISTURBED BY CONSTRUCTION SHALL BE RE-VEGETATED PRIOR TO COMPLETION OF PROJECT.
 - SEDIMENT SHALL BE REMOVED FROM BARRIER WHEN DEPTH EXCEEDS 1/2 THE HEIGHT OF THE BARRIER.



- NOTES:
- INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 - REFER TO REGULATORY AUTHORITY OR PROJECT ENGINEER FOR DETAILED INSTALLATION PROCEDURES.
 - WOOD FILLER MATERIAL SHALL BE PROPERLY SIZED, BIODEGRADABLE, WEED, SEED & DISEASE FREE AND ENVIRONMENTALLY SOUND.
 - DO NOT OVERLAP THE ENDS OF THE WATTLES OVER TOP OF EACH OTHER.
 - WATTLE CASING MATERIAL SHALL BE 0.5\"/>

STRAW WATTLE INSTALLATION GUIDELINES
NOT TO SCALE

					BY
					REVISION
					DATE
					NO.



PROJECT	CAPE COD NATIONAL SEASHORE
SCALE	AS NOTED
DRAWING FILE	C19966-CIV-HC.dwg
DATE	02/06/2023
DRAWN BY	JJB
CHECKED BY	JAB
SHEET TITLE	ROUTE 6 BIKE TRAIL CONNECTOR
SHEET TITLE	PROVINCETOWN, MA
SHEET TITLE	SITE DETAILS III

SCALE	AS NOTED
DRAWING FILE	C19966-CIV-HC.dwg
DATE	02/06/2023
DRAWN BY	JJB
CHECKED BY	JAB
SHEET TITLE	ROUTE 6 BIKE TRAIL CONNECTOR
SHEET TITLE	PROVINCETOWN, MA
SHEET TITLE	SITE DETAILS III

C2.4.3