



US Army Corps
of Engineers®
New England District

PUBLIC NOTICE

Comment Period Begins: July 25, 2023

Comment Period Ends: August 25, 2023

File Number: NAE-2023-01331

In Reply Refer to: Christine Jacek

Phone: (978) 318-026

Email: Christine.M.Jacek@usace.army.mil

The District Engineer, U.S. Army Corps of Engineers, New England District (USACE), has received a permit application, file number NAE-2023-01331, to conduct work in waters of the United States from Matthew Waldrip representing NSTAR Electric Company d/b/a Eversource Energy. This work is proposed in Vineyard Sound between Mill Road in Falmouth, Massachusetts and Squantum Avenue in Tisbury, Massachusetts. The site coordinates are: Latitude: 41.541436 Longitude: -70.623283 (Falmouth Landing) and Latitude: 41.478814 Longitude: -70.611114 (Tisbury Landing).

The work involves the construction of a 4.44-mile electrical transmission cable across Vineyard Sound. The cable will landfall off Mill Road in Falmouth, Massachusetts and off Squantum Avenue in Tisbury, Massachusetts. Approximately 17,375 linear feet (3.30 miles) of cable will be installed via trenchless jetplow and 6,050 feet (1.14 miles) of cable will be installed via horizontal directional drilling (HDD). Approximately 2,500 ft. of HDD will occur to Falmouth landfall and 3,550 ft. of HDD will occur to the Tisbury landfall. Jetplow installation will bury the cable 6 to 10 feet below the seabed. HDD installation will bury the cable 60 to 80 feet below the seabed.

The work is shown on the enclosed plans entitled "NSTAR ELECTRIC COMPANY d/b/a EVERSOURCE ENERGY PROPOSED 23 KV SUBMARINE LINE #91B TO TISBURY FROM STATION #933 FALMOUTH & MARTHA'S VINEYARD, MA," on twenty-five (25) sheets, and dated "2022-11-28."

The project has been designed to avoid and minimize adverse effects to waters of the United States. HDD installation will occur in nearshore areas to avoid impacts to sensitive habitats such as eelgrass near the landfall sites. Installation of the cable via jetplow will result in temporary effects that are anticipated to revert back to pre-impact conditions within a few tidal cycles. No loss of waters of the U.S. is proposed and no permanent discharges of fill are proposed.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit

which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an environmental assessment and/or an environmental impact statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will impact 5.32 acres of EFH. This habitat consists of medium to coarse grain sand, hard bottom habitat, and complex bottom habitat. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on our initial review of the proposed project, no historic properties were identified within the permit area. Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The USACE has reviewed the application for the potential impact on federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act (ESA) as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The states of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this public notice, we are requesting the state concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license or assent from State.
- (X) Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general

CENAE-R
File No. NAE-2023-01331 – 91 Cable Replacement Project

environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. People submitting comments are advised that all comments received will be available for public review in their entirety and will be considered a matter of public record.

Comments should be submitted in writing by the above date. If you have any questions, please contact Christine Jacek at Christine.M.Jacek@usace.army.mil, (978) 318-8026, (800) 343-4789 or (800) 362-4367.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

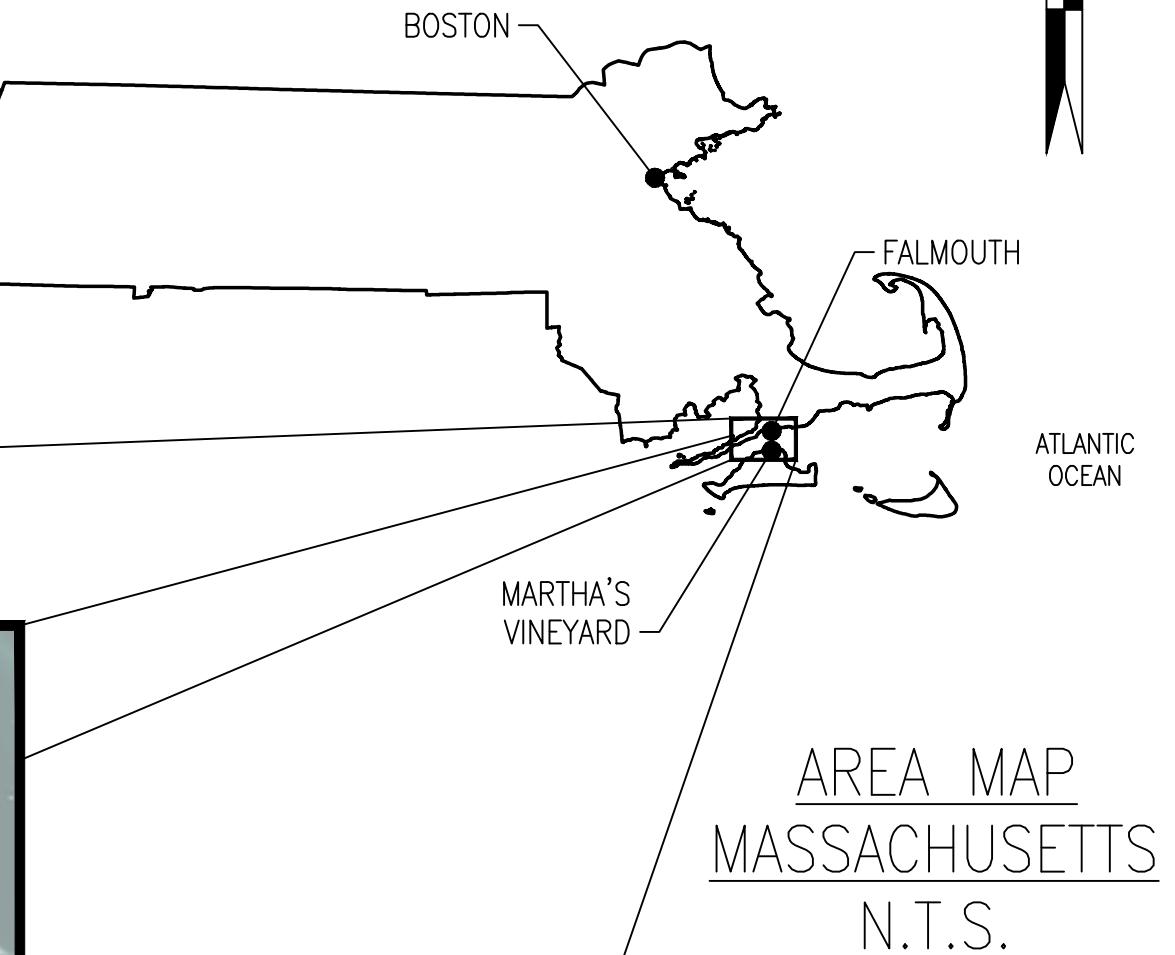
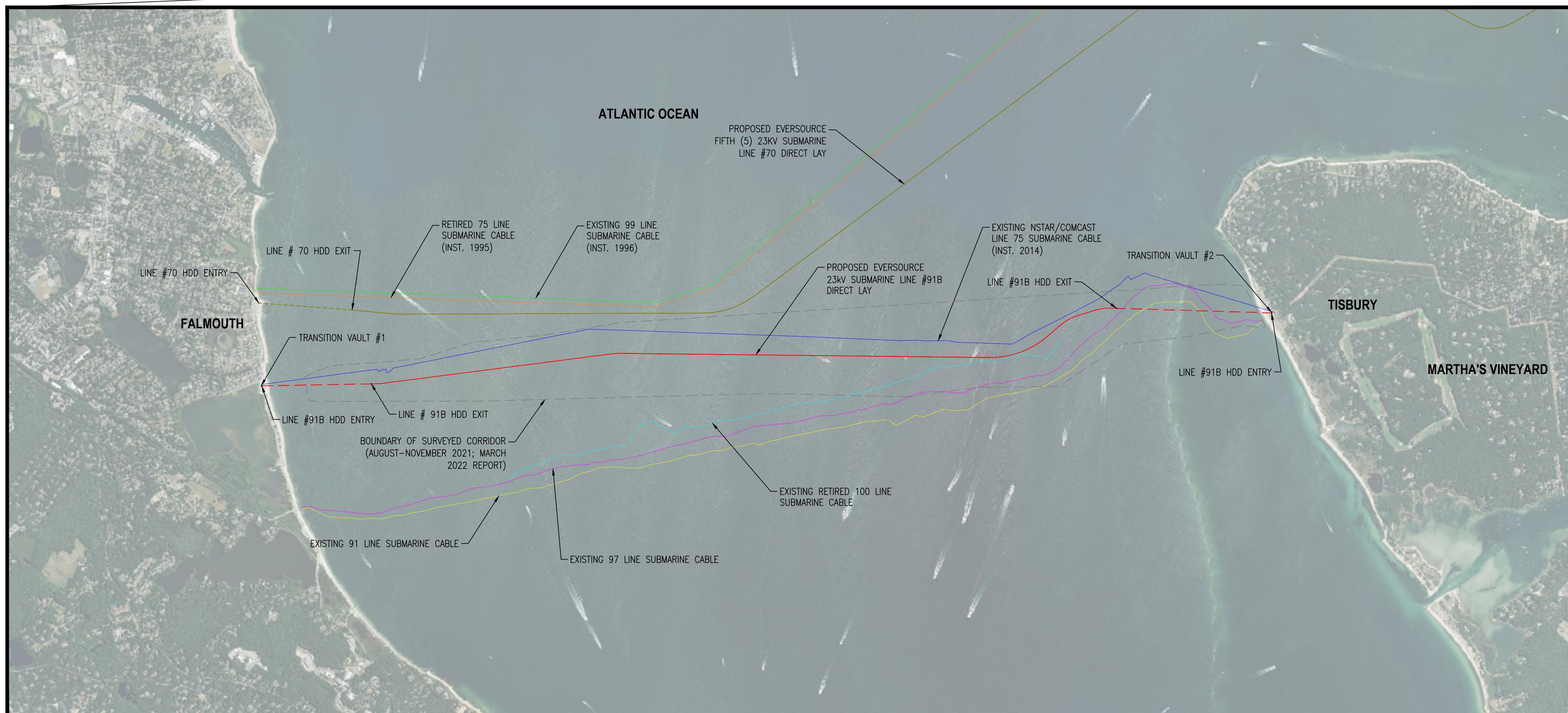
Paul Maniccia

Paul M. Maniccia
Chief, Permits & Enforcement Branch
Regulatory Division

Please contact Ms. Tina Chaisson at bettina.m.chaisson@usace.army.mil or (978) 318-8058 if you would like to be removed from our public notice mailing list.

NSTAR ELECTRIC COMPANY d/b/a EVERSOURCE ENERGY
 PROPOSED 23kV SUBMARINE LINE #91B
 TO TISBURY FROM STATION #933
 FALMOUTH & MARTHA'S VINEYARD, MA

N



NSTAR
DESIGN ENGINEER:

NSTAR
WORK ORDER NUMBER: 7089330

POWER ENGINEERS
PROJECT ENGINEER: THOMAS BUONOMANO

POWER ENGINEERS
PROJECT NUMBER: 0235370_00

VICINITY MAP
N.T.S.



No	DATE	REVISION	BY	CHKD	ENGR	SUPV
C	03/23/2023	ISSUED FOR PERMITTING		ASW	TPB	TPB
B	02/03/2023	ISSUED FOR REVIEW – ADDED ENVIRO LAYER AND UPDATED TISBURY HDD EXIT		ASW	TPB	TPB
A	11/28/2022	ISSUED FOR REVIEW – 30% PLAN		LAS	TPB	ASW

EVERSOURCE

PROJ #	0235370_00	MARTHA'S VINEYARD SUBMARINE LINE #91B
WORK #	WR7089330	FALMOUTH TO MARTHA'S VINEYARD, MA
DRAWN	LAS <th>COVER SHEET</th>	COVER SHEET
CHECKED	TPB	
DESIGN ENG	ASW	DATE
DESIGN SUPV	TPB	2022-11-28
		SCALE
	N.T.S.	1 OF 25
		1

GENERAL NOTES

1. THE PLANIMETRICS, UTILITIES AND NATURAL FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS SHOWN BELOW IN BULLETED LIST. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK AND OTHER UTILITY LOCATING ACTIVITIES. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. CALL BEFORE YOU DIG, 811 OR (888) 344-7233.

- EXISTING CABLE LOCATIONS CIRCUIT 91, 97, 100, 99, RETIRED 75 AND EXISTING 75 PROVIDED BY CALDWELL NSTAR/COMCAST HYBRID SUBMARINE CABLE PROJECT CABLE AS-BUILTS ISSUED JUNE 26, 2014.
- FALMOUTH EXISTING CONDITIONS LAND SURVEY PROVIDED BY BSC GROUP ISSUED 05/09/2022. FALMOUTH LAND SURVEY IS BASED UPON LIDAR DATA COLLECTED BETWEEN SEPTEMBER AND NOVEMBER OF 2013 AND AN ON-THE-GROUND SURVEY BY BSC GROUP, INC. IN JANUARY, 2016, UPDATED BY FIELD INSPECTION IN DECEMBER, 2021.
- BATHYMETRY, SIDE SONAR TABLE, AND MAGNETIC ANOMALIES TABLE PROVIDED BY CR ENVIRONMENTAL IN GEOPHYSICAL AND UNDERWATER VIDEO SURVEYS SEDIMENT SAMPLING EVERSOURCE 91B CABLE VINEYARD SOUND, FALMOUTH AND TISBURY REPORT DATED JULY 2022.
- SURFACES DERIVED FROM NOAA CHART 13229 SOUTH COAST OF CAPE COD AND BUZZARDS BAY MASSACHUSETTS NORTH AMERICAN DATUM OF 1983 WHERE SHOWN IN PLAN VIEW.
- SURFACE DATA DERIVED FROM DATA PROVIDED BY MV CABLE SURVEY 10/14/2022 WHERE SHOWN IN PLAN VIEW.
- EEL GRASS SURVEY FROM EVERSOURCE FROM MASSDEP.
- DIVER SURVEY FOR SPLICES AND CABLE SEGMENTS PROVIDED BY EPSILON 10/14/2022.
- MULTIBEAM AND SIDE SCAN DATA OF EXISTING CABLES PROVIDED BY EPSILON 10/14/2022.
- TISBURY LAND SURVEY PROVIDED BY NITSCH ENGINEERING EASEMENT RETRACEMENT PLAN ISSUED 12/05/2022.
- ENVIRONMENTAL SURVEY LAYERS (FEMA FLOOD ZONE 100-YEAR, LANDWARD LIMIT OF COASTAL BEACH, 100' BUFFER FROM COASTAL BEACH, COASTAL DUNE, EELGRASS AND HARD COMPLEX BOTTOM) COMPILED BY EPSILON AND PROVIDED BY EVERSOURCE 01/11/2023 AND 03/15/2023.

2. VERTICAL DATUM IS BASED ON NAVD 1988, HORIZONTAL DATUM IS BASED ON MASSACHUSETTS PLANE COORDINATE SYSTEM, MAINLAND ZONE GRID, VALUES IN US FEET, NAD 1983 (NAD 83/11).

3. VERTICAL LOCATION OF SUBSURFACE UTILITY LINES ARE BASED ON ASSUMED DEPTHS USING BEST AVAILABLE INFORMATION AND MAY VARY FROM THE ACTUAL VERTICAL LOCATIONS. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.

4. DETAIL DESIGN MAY BE OPTIMIZED TO REFLECT ACTUAL CONDITIONS WITH OWNER REVIEW AND ACCEPTANCE.

5. ALL THE WORK SHALL BE PERFORMED WITHIN THE DESIGNATED PROPERTIES AS NOTED ON THE DRAWINGS.

6. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER AS DETERMINED BY OWNER AND IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND THE APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.

7. CIVIL CONTRACTOR SHALL HAUL AWAY ALL UNUSED EXCAVATED MATERIAL TO PERMITTED SOIL DISPOSAL SITE PROJECT SPECIFICATIONS, AND THE APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.

8. CIVIL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY & ALL UTILITIES AND FACILITIES (INCLUDING THOSE NOT SHOWN ON THE DRAWINGS) DAMAGED DURING CONSTRUCTION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, APPLICABLE UTILITY SPECIFICATION, FEDERAL, STATE AND LOCAL REQUIREMENTS.

9. ABANDONED UTILITIES SHALL BE CUT AND CAPPED AS NECESSARY WITH UTILITY OWNER REVIEW AND ACCEPTANCE. ABANDONED GAS LINES SHALL NOT BE CUT.

10. CIVIL CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING BEST MANAGEMENT PRACTICES FOR CONTROLLING EROSION AND SEDIMENTATION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.

11. CIVIL CONTRACTOR SHALL RESTORE GRADE TO PRE-CONSTRUCTION ELEVATIONS UNLESS OTHERWISE NOTED ON THE DRAWINGS.

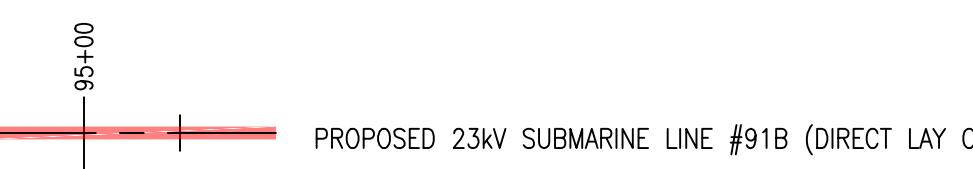
12. ALL VERTICAL RADII ARE 400' AND ALL HORIZONTAL RADII ARE 500' UNLESS OTHERWISE NOTED ON THE DRAWINGS.

13. PROPOSED SUBMARINE CABLE SHALL MAINTAIN MINIMUM HORIZONTAL CLEARANCES TO OTHER UTILITIES AS SPECIFIED IN THE PROJECT SPECIFICATION OR AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL NOTIFY OWNER OF ALL UNDOCUMENTED UTILITIES DISCOVERED DURING CONSTRUCTION THAT IMPEDE ON THE REQUIRED CLEARANCES TO THE PROPOSED DUCT BANK.

14. PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. CONTRACTOR IS RESPONSIBLE FOR ENSURING PRINTED COPIES ARE THE LATEST REVISION.

15. PROPOSED CABLE PROFILE IS SHOWN BASED ON SURVEYED PROFILE CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING MINIMUM BURIAL DEPTH REQUIREMENTS PER PERMITTING AND OWNER REQUIREMENTS.

LEGEND: PROPOSED



ENVIRONMENTAL LAYERS PROVIDED BY EVERSOURCE 01-11-2023 AND 03-15-2023

DUNE	COASTAL DUNE
FEMA	FEMA FLOOD ZONE 100-YEAR
COASTAL	LANDWARD LIMIT OF COASTAL BEACH
BUFFER	100' BUFFER FROM COASTAL BEACH
WETL	WETLAND
WETLB	100' WETLAND BUFFER
	HARD COMPLEX BOTTOM
	MASSDEP EELGRASS

LEGEND: DIVER TARGETS

m-XXX	MAGNETIC ANOMALIES
c-XXX	SIDE SCAN SONAR TARGETS
g-XXX	GRAB TARGETS
vc-XXX	VIBRACORE TARGETS

DRAWING MANIFEST			
DRAWING NO.	TITLE/DESCRIPTION	REVISION	DATE
1	COVER SHEET	B	02/03/2023
2	DRAWING MANIFEST & GENERAL NOTES	B	02/03/2023
3	SURVEY TABLES	B	02/03/2023
4	SURVEY TABLES	B	02/03/2023
5	PLAN & PROFILE VIEW STA. 0+00 TO 4+00	B	02/03/2023
6	PLAN & PROFILE VIEW STA. 4+00 TO 9+00	B	02/03/2023
7	PLAN & PROFILE VIEW STA. 9+00 TO 14+00	B	02/03/2023
8	PLAN & PROFILE VIEW STA. 14+00 TO 20+00	B	02/03/2023
9	PLAN & PROFILE VIEW STA. 20+00 TO 26+00	B	02/03/2023
10	PLAN & PROFILE VIEW STA. 26+00 TO 85+00	B	02/03/2023
11	PLAN & PROFILE VIEW STA. 85+00 TO 145+00	B	02/03/2023
12	PLAN & PROFILE VIEW STA. 145+00 TO 199+00	B	02/03/2023
13	PLAN & PROFILE VIEW STA. 199+00 TO 204+00	B	02/03/2023
14	PLAN & PROFILE VIEW STA. 204+00 TO 209+00	B	02/03/2023
15	PLAN & PROFILE VIEW STA. 209+00 TO 214+00	B	02/03/2023
16	PLAN & PROFILE VIEW STA. 214+00 TO 219+00	B	02/03/2023
17	PLAN & PROFILE VIEW STA. 219+00 TO 224+00	B	02/03/2023
18	PLAN & PROFILE VIEW STA. 224+00 TO 229+00	B	02/03/2023
19	PLAN & PROFILE VIEW STA. 229+00 TO 234+00	B	02/03/2023
20	PLAN & PROFILE VIEW STA. 234+00 TO 234+53	B	02/03/2023
21	DETAILS	B	02/03/2023
22	FALMOUTH HDD EQUIPMENT LAYOUT	B	02/03/2023
23	TISBURY HDD EQUIPMENT LAYOUT	B	02/03/2023
24	MARINE ENVIRONMENTAL LAYER OVERVIEW	B	02/03/2023
25	MARINE ENVIRONMENTAL LAYER OVERVIEW	B	02/03/2023

FALMOUTH EXISTING CONDITIONS LAND SURVEY LEGEND:

STONE BOUND	SFM	SEWER FORCE MAIN
STONE BOUND W/DRILL HOLE	S	SEWER LINE
STONE BOUND W/ESCUTCHEON PIN	D	DRAIN LINE
CONCRETE BOUND	W	WATER LINE
CONCRETE BOUND W/DRILL HOLE	G	GAS LINE
IRON PIPE	FO	FIBER OPTIC LINE
IRON ROD	E	UNDERGROUND ELECTRIC CONDUIT
DRILL HOLE	OHW	OVERHEAD WIRE
PK NAIL	X	CHAIN LINK FENCE
CABLE HANDHOLE	—	RAIL FENCE
SEWER MANHOLE	—	FENCE
DRAIN MANHOLE	—	GUARDRAIL
ELECTRIC CONTROL BOX	○○○○○○○○○○	STONE WALL
ELECTRIC MANHOLE	○○○○○○○○○○	TREELINE
TELEPHONE MANHOLE	○○○○○○○○○○	BRUSHLINE
CABLE MANHOLE	○○○○○○○○○○	
MANHOLE	AC	ASBESTOS CEMENT
CATCH BASIN	CI	CAST IRON
HYDRANT	DICL	DUCTILE IRON
WATER GATE	PVC	POLYVINYL CHLORIDE
GAS GATE	RCP	REINFORCED CONCRETE PIPE
UTILITY POLE	EXISTING NSTAR/COMCAST 75 LINE	
UTILITY POLE W/LIGHT	RETIRIED 75 LINE	
UTILITY POLE W/TRANSFORMER	EXISTING 99 LINE	
GUY ANCHOR	RETIRIED 100 LINE	
TRAFFIC SIGNAL	PROPOSED 70 LINE	
LAMP OR STREET LIGHT	MHW	MEAN HIGH WATER
ELECTRIC HANDHOLE		
WATER METER		
SIGN		
MAIL BOX	◊ SET STAKE	EXISTING NSTAR/COMCAST 75 LINE
METAL POST	○ MANHOLE	EXISTING 97 LINE
FLAG POLE	● IRON ROD	EXISTING 91 LINE
SHRUB		
INV. INVERT		

TISBURY EASEMENT RETRACEMENT PLAN LEGEND:

◊	SET STAKE	EXISTING NSTAR/COMCAST 75 LINE
○	MANHOLE	EXISTING 97 LINE
●	IRON ROD	EXISTING 91 LINE



DIGITIZED MAGNETIC ANOMALIES

MAP_ID	Capture_Name	X	Y	Latitude	Longitude	TRANSEC	T ID	SIGNATURE	Distance Over Ground (m)		Time Elapsed (s)	Peak Spread (nT)
									Ground (m)	Peak (nT)		
M-1	MAGTGT (233.86)	365267	4594972	41.4950475	-70.614139	41 29 42.1707 N	070 36 50.901 W	1	Multiple Component	143.18	139.01	233.86
M-2	MAGTGT (26.36)	365347	4594769	41.4932332	-70.613136	41 29 35.639 N	070 36 47.2887 W	1	Dipolar	50.41	34.72	26.36
M-3	MAGTGT (89.82)	365420	4594590	41.4916338	-70.612222	41 29 29.8811 N	070 36 44 W	1	Multiple Component	206.33	139.52	89.82
M-4	MAGTGT (39.82)	365509	4594151	41.4877128	-70.60986	41 29 15.7655 N	070 36 35.4974 W	1	Monopolar	29.48	20.51	39.82
M-5	MAGTGT (99.94)	365597	4593651	41.4832088	-70.609893	41 28 59.5512 N	070 36 35.6134 W	8	Multiple Component	103.85	54.75	99.94
M-6	MAGTGT (6.50)	365302	4594615	41.491839	-70.61364	41 29 30.6201 N	070 36 49.1048 W	8	Dipolar	21.17	22.53	6.5
M-7	MAGTGT (6.18)	365277	4594684	41.4924561	-70.613955	41 29 32.8415 N	070 36 50.2381 W	8	Dipolar	16.73	20	6.18
M-8	MAGTGT (1930.98)	365169	4595059	41.4958144	-70.615332	41 29 44.9314 N	070 36 55.1961 W	8	Multiple Component	92.71	70.61	1930.98
M-9	MAGTGT (8295.84)	365114	4595764	41.5021529	-70.616149	41 30 7.7499 N	070 36 58.1355 W	8	Multiple Component	70.07	61.74	8295.84
M-10	MAGTGT (35.57)	364753	4598828	41.5296797	-70.621161	41 31 46.8465 N	070 37 16.1792 W	8	Dipolar	13.03	7.01	35.57
M-11	MAGTGT (10.64)	364765	4598363	41.525495	-70.620913	41 31 31.7814 N	070 37 15.2852 W	13	Dipolar	24.61	16	10.64
M-12	MAGTGT (7.14)	364882	4597761	41.5200944	-70.619376	41 31 12.3395 N	070 37 9.7521 W	13	Monopolar	20.72	15.47	7.14
M-13	MAGTGT (84.33)	365002	4595971	41.5039978	-70.617537	41 30 14.3916 N	070 37 3.1317 W	13	Monopolar	38.13	34.07	84.33
M-14	MAGTGT (9194.66)	365050	4595409	41.4989457	-70.616836	41 29 56.2041 N	070 37 0.6087 W	13	Multiple Component	33.34	34.49	9194.66
M-15	MAGTGT (8084.49)	365041	4595169	41.4967833	-70.61689	41 29 48.4193 N	070 37 0.8032 W	13	Multiple Component	90.91	70.91	8084.49
M-16	MAGTGT (11.10)	365145	4594781	41.4933073	-70.615557	41 29 35.9058 N	070 36 56 W	13	Multiple Component	70.86	39.06	11.1
M-17	MAGTGT (30.18)	365193	4594664	41.4922619	-70.614956	41 29 32.1424 N	070 36 53.8433 W	13	Monopolar	31.76	17.2	30.18
M-18	MAGTGT (25.82)	365283	4594456	41.4904042	-70.613832	41 29 25.4547 N	070 36 49.7959 W	13	Multiple Component	60.11	33.76	25.82
M-19	MAGTGT (3550.64)	365359	4594264	41.4886882	-70.612879	41 29 19.2772 N	070 36 46.3652 W	13	Dipolar	56.24	32.74	3550.64
M-20	MAGTGT (21.84)	365041	4595536	41.5000877	-70.616972	41 30 0.3152 N	070 37 1.0992 W	12	Dipolar	72.05	56.74	21.84
M-21	MAGTGT (33.55)	365174	4594745	41.492988	-70.615202	41 29 34.7564 N	070 36 54.7276 W	12	Multiple Component	147.19	145.52	33.55
M-22	MAGTGT (28.80)	365284	4594499	41.4907916	-70.61383	41 29 26.8492 N	070 36 49.7874 W	12	Dipolar	57.16	56.72	28.8
M-23	MAGTGT (39.42)	365595	4593645	41.4831544	-70.609915	41 28 59.3555 N	070 36 35.6948 W	7	Multiple Component	109.53	62.05	39.42
M-24	MAGTGT (10.77)	365308	4594628	41.4919571	-70.613571	41 29 31.0451 N	070 36 48.8566 W	7	Multiple Component	96.98	62.47	10.77
M-25	MAGTGT (47.05)	365225	4594824	41.4937079	-70.614609	41 29 37.348 N	070 36 52.5925 W	7	Monopolar	43.43	29.51	47.05
M-26	MAGTGT (26.97)	365167	4594965	41.4949677	-70.615335	41 29 41.8832 N	070 36 55.2066 W	7	Multiple Component	133.19	99.01	26.97
M-27	MAGTGT (12.40)	365143	4595218	41.4972416	-70.615679	41 29 50.0694 N	070 36 56.4451 W	7	Monopolar	28.06	21.73	12.4
M-28	MAGTGT (196.71)	365418	4594290	41.4889323	-70.612179	41 29 20.1557 N	070 36 43.8427 W	9	Monopolar	20.15	29.01	196.71
M-29	MAGTGT (17.33)	365079	4596934	41.5126815	-70.61683	41 30 45.6529 N	070 37 0.5883 W	3	Dipolar	36.49	22.23	17.33
M-30	MAGTGT (13.57)	365080	4596865	41.5120604	-70.616803	41 30 43.4169 N	070 37 0.4895 W	3	Monopolar	28.54	14.76	13.57
M-31	MAGTGT (75.16)	365536	4594235	41.4884568	-70.610753	41 29 18.4442 N	070 36 38.7117 W	3	Monopolar	7.18	8.47	75.16
M-32	MAGTGT (31.64)	365060	4595501	41.4997758	-70.616737	41 29 59.1923 N	070 37 0.2518 W	11	Multiple Component	105.47	72.49	31.64
M-33	MAGTGT (14.25)	365297	4594494	41.4907487	-70.613673	41 29 26.695 N	070 36 49.223 W	11	Monopolar	71.06	42.79	14.25
M-34	MAGTGT (235.11)	365089	4596290	41.5068847	-70.616566	41 30 24.7844 N	070 36 59.6376 W	6	Multiple Component	42.15	42.74	235.11
M-35	MAGTGT (95.46)	364721	4599306	41.5339781	-70.621652	41 32 2.3208 N	070 37 17.9465 W	4	Multiple Component	70.01	45.55	95.46
M-36	MAGTGT (6.25)	364864	4598586	41.5275195	-70.619776	41 31 39.0699 N	070 37 11.1954 W	4	Dipolar	13.05	11.25	6.25
M-37	MAGTGT (5091.79)	365177	4594829	41.4937449	-70.615185	41 29 37.481 N	070 36 54.6659 W	10	Multiple Component	10.65	10.28	5091.79
M-38	MAGTGT (114.82)	365158	4594862	41.4940388	-70.61542	41 29 38.5392 N	070 36 55.5116 W	10	Multiple Component	1.78	1.67	114.82
M-39	MAGTGT (616.69)	365104	4595040	41.4956324	-70.616106	41 29 44.2761 N	070 36 57.9831 W	10	Dipolar	8.93	9.24	616.69
M-40	MAGTGT (23.60)	365105	4595056	41.4957766	-70.616098	41 29 44.7954 N	070 36 57.9529 W	10	Multiple Component	5.22	4.69	23.6
M-41	MAGTGT (39.06)	365058	4595929	41.5036291	-70.616855	41 30 13.0642 N	070 37 0.6832 W	10	Multiple Component	116.55	71.75	39.06
M-42	MAGTGT (89.55)	364701	4599302	41.5339387	-70.621891	41 32 2.1789 N	070 37 18.8061 W	5	Monopolar	44.49	21.95	89.55
M-43	MAGTGT (22.42)	365008	4597651	41.5191253	-70.617841	41 31 8.8505 N	070 37 4.229 W	5	Dipolar	29.94	20.45	22.42
M-44	MAGTGT (11.79)	365085	4596509	41.5088559	-70.616663	41 30 31.8806 N	070 36 59.986					

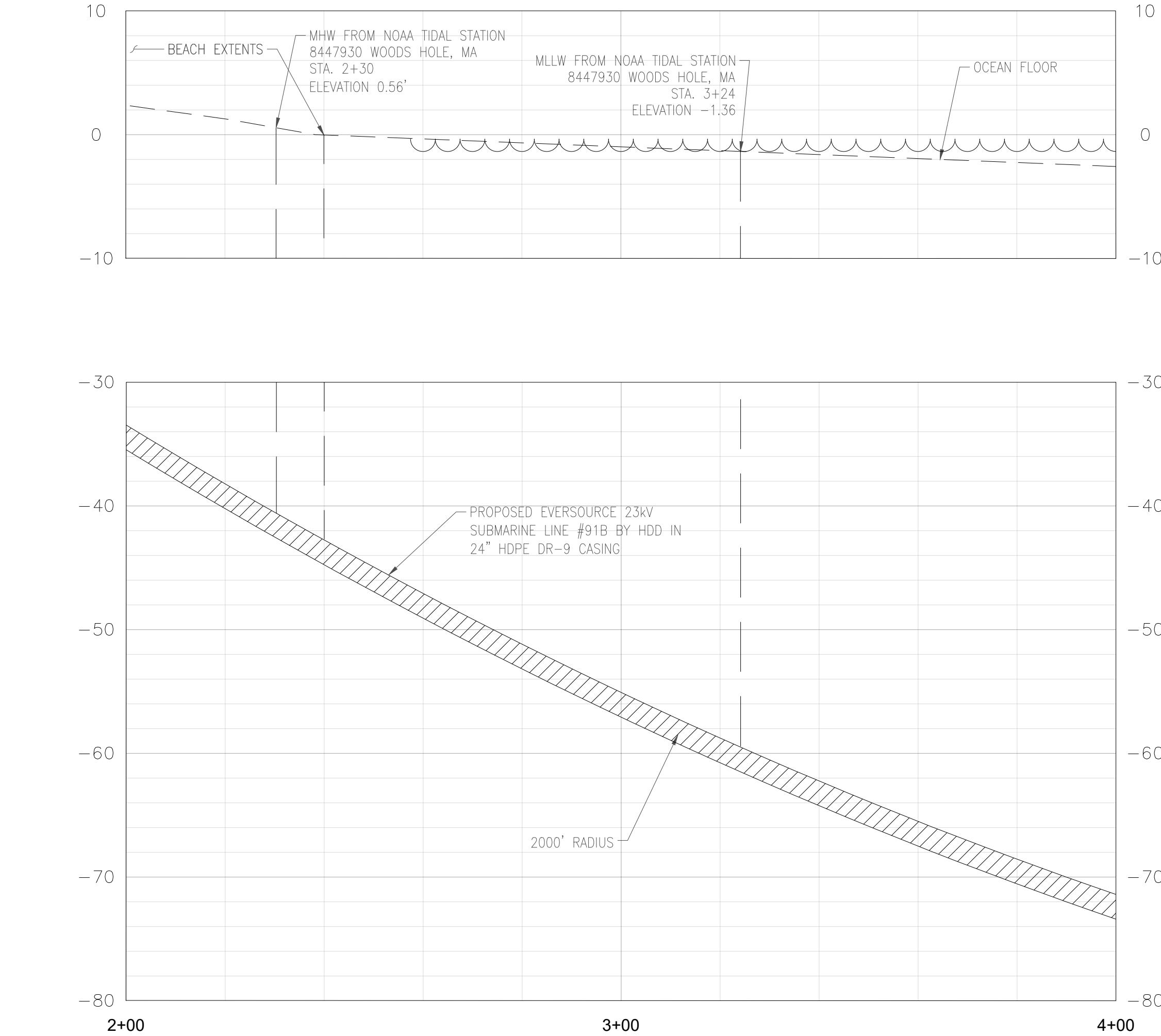
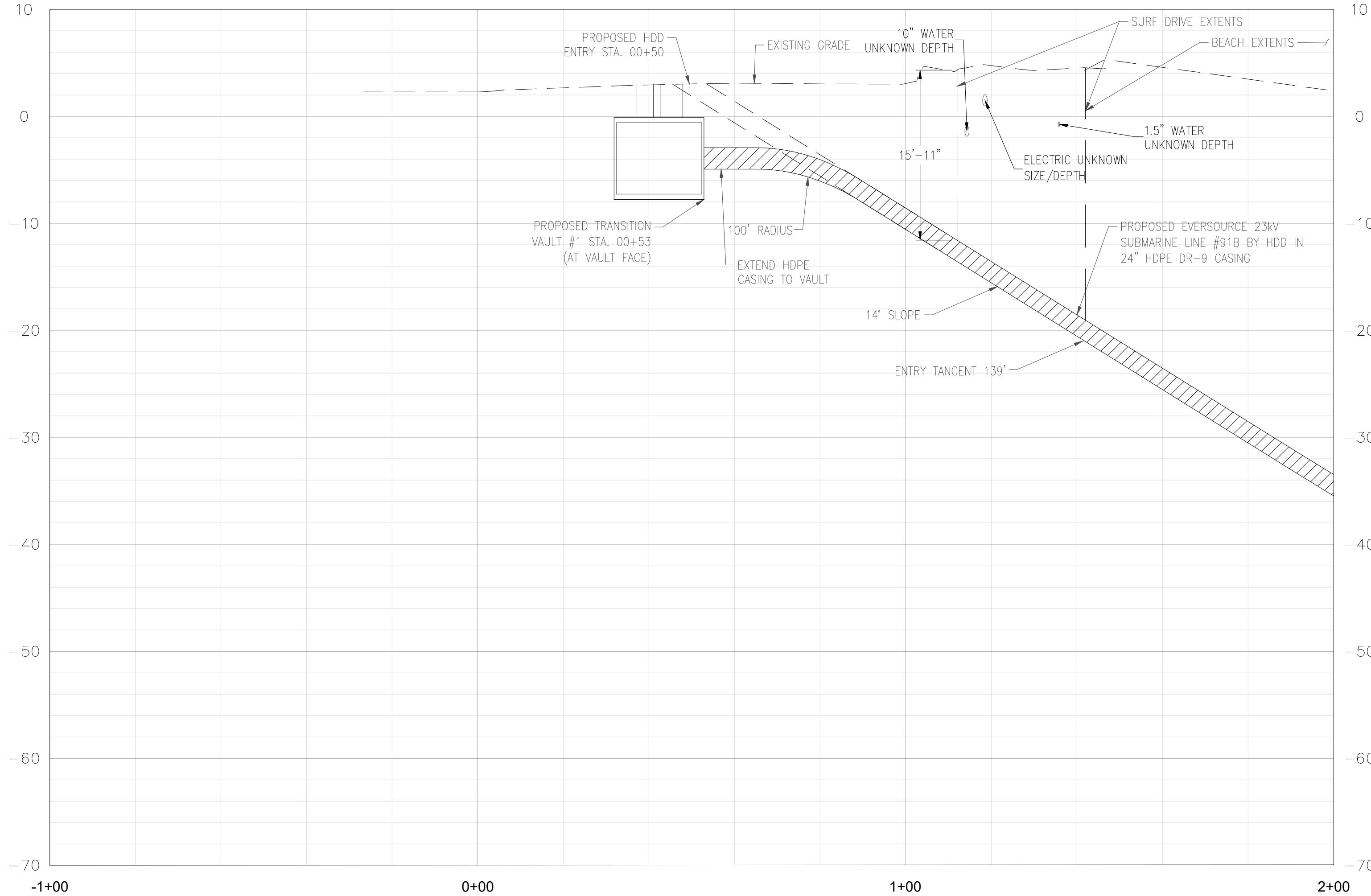
SIDE SONAR CONTACTS

Contact	Name	Latitude	Longitude	X	Y	Ping	NadirDistance	RangeAtLeft	RangeAtRight	Target		TargetS		Port or OnPort	pansCh	Samples	PerChan	CsfTarget	FirstCsf												
										Edge	Edge	SonarRange	RangeToTarget	Starboard	Side	annels	PerChan	Row	Row	LastCsfRow	MapProjection	TopLeftLat	TopLeftLon	BotLeftLat	BotLeftLon	Classification	Description	Height	Length	Shadow	Scour
SS-1	41.52538637	-70.61874878	364945.3	4598347.6	3.657105	170.2965195	26942	1.708927431	1.70892743	33.28990636	34.99883379	15.79645351	Stbd	0	1	1024	12476	12271	12684	UTM83-19	41.52556866	-70.61857967	41.52525723	-70.61850936	Lobster-Trap		0.4	1.5	2.0	0.0	0.8
SS-2	41.51948588	-70.61939403	364879.2	4597693.5	5.263496	182.8297204	27612	12.03084912	12.0308491	22.96798468	34.99883379	5.476048059	Stbd	0	1	1024	21099	20800	21403	UTM83-19	41.51963292	-70.61917201	41.51932459	-70.6191906	Sand Waves		0.0	0.0	0.0	0.0	0.0
SS-3	41.51837538	-70.61912729	364899.1	4597569.8	1.435499	183.3788685	29555	14.8334901	14.8334901	20.16534369	34.99883379	2.69456852	Stbd	0	1	1024	23042	22722	23399	UTM83-19	41.51856439	-70.61895138	41.51820049	-70.61894999	Sand Waves		0.0	0.0	0.0	0.0	0.0
SS-4	41.51752488	-70.61825488	364970.2	4597474.0	1.982356	349.7288587	168008	21.4299499	21.42995	13.5688838	34.99883379	3.932859047	Port	1	1	1024	13172	12974	13363	UTM83-19	41.51736884	-70.61844375	41.51763334	-70.61850461	Sand Ridge		0.0	0.0	0.0	0.0	0.0
SS-5	41.51340018	-70.61851102	364940.2	4597016.4	3.588748	174.9462651	38453	23.58319855	23.5831986	11.41563524	34.99883379	6.096363778	Port	1	1	1024	31940	31664	32224	UTM83-19	41.51360054	-70.61834409	41.51322638	-70.61829979	Fish (typical)		0.0	0.0	0.0	0.0	0.0
SS-6	41.50714652	-70.61569819	365162.0	4596317.7	5.912889	172.6739949	55613	22.489485	22.489485	12.5093488	34.99883379	5.001382622	Port	1	1	1024	41147	40883	41413	UTM83-19	41.50731224	-70.61551035	41.5070928	-70.61546245	Boulder or debris		1.5	2.3	1.8	0.0	1.0
SS-7	41.50651555	-70.61746333	365013.3	4596250.4	7.040781	176.0794961	46600	32.36708555	32.3670855	2.631748244	34.99883379	14.87470703	Port	1	1	1024	43020	42717	43361	UTM83-19	41.50668759	-70.61727039	41.50637678	-70.61723913	debris		0.8	2.4	1.9	0.0	0.6
SS-8	41.50428591	-70.61741824	365012.5	4596002.8	5.741996	168.1343473	54687	31.10247925	31.1024793	3.896354543	34.99883379	13.62057006	Port	1	1	1024	4333	4052	4624	UTM83-19	41.50445064	-70.61724252	41.50415102	-70.61716832	Boulder (typical)		1.2	2.4	3.7	0.0	1.3
SS-9	41.50415521	-70.61690182	365055.3	4595987.5	7.826888	183.3353207	46685	34.99883379	34.9988338	0	34.99883379	23.60787829	Port	1	0	1024	42892	42661	43140	UTM83-19	41.5043148	-70.61675544	41.50399092	-70.61677648	Boulder or debris		1.3	2.6	4.7	0.0	1.0
SS-10	41.50322381	-70.61700513	365044.7	4595884.3	6.938245	169.4760272	52157	34.99883379	34.9988338	0	34.99883379	26.35647312	Port	1	0	1024	4735	4471	4985	UTM83-19	41.50336506	-70.61692842	41.50307828	-70.61686466	Boulder or debris		1.4	2.2	6.9	0.0	0.0
SS-11	41.50106878	-70.61502737	365205.3	4595641.9	6.801531	173.0523761	255375	29.9404086	29.9404086	5.058425197	34.99883379	12.44882285	Port	1	1	1024	10778	10524	11027	UTM83-19	41.50124879	-70.61484734	41.50091932	-70.6147961	Trench likely associated with cable		0.0	0.0	0.0	0.0	2.7
SS-12	41.49979714	-70.61467538	365232.1	4595500.2	9.023137	172.2214466	69923	34.99883379	34.9988338	0	34.99883379	22.57478394	Port	1	0	1024	11616	11317	11939	UTM83-19	41.49990922	-70.61453389	41.49969557	-70.61449544	Cable or scour		0.0	27.9	0.0	0.0	0.0
SS-13	41.49912634	-70.61718011	365021.6	4595429.6	6.801531	163.1940327	62118	0	0	34.99883379	34.99883379	21.04445791	Stbd	0	0	1024	11764	11520	12075	UTM83-19	41.49933204	-70.61699861	41.49903567	-70.61686952	Cable		0.3	37.7	0.8	0.0	0.8
SS-14	41.49821767	-70.6146034	365234.8	4595324.7	7.143317	170.5738348	73140	26.2149468	26.2149468	8.783886997	34.99883379	8.723185142	Port	1	1	1024	14833	14483	15163	UTM83-19	41.49839569	-70.61443003	41.49806011	-70.61436824	Cables		0.0	9.0	0.0	0.0	0.0
SS-15	41.49611784	-70.61476748	365216.8	4595091.8	2.802641	175.8575642	263657	9.194029581	9.19402958	25.80480421	34.99883379	8.327997356	Stbd	0	1	1024	19060	18775	19336	UTM83-19	41.49628275	-70.6145633	41.4959664	-70.61454345	Lobster Trap in trench		0.3	1.2	0.9	0.0	0.6
SS-16	41.4952226	-70.61511583	365187.3	4595070.7	6.630638	174.3709756	454079	0	0	34.99883379	34.99883379	25.81013484	Stbd	0	0	1024	26720	26525	26912	UTM83-19	41.49610179	-70.61483768	41.49578888	-70.61478859	debris		1.1	7.6	4.9	0.0	5.8
SS-17	41.49351871	-70.61544136	365155.1	4594804.3	6.938245	153.4115202	70275	33.49497765	33.49497765	1.50385614	34.99883379	16.02462573	Port	1	1	1024	19921	19722	20116	UTM83-19	41.49375756	-70.61538569	41.49341488	-70.61515676	Cable		0.0	0.0	0.0	0.0	0.0
SS-18	41.49351359	-70.61300533	365358.5	4594799.9	3.827997	161.2651043	84140	34.99883379	34.9988338	0	34.99883379	20.45808105	Port	1	0	1024	25833	25561	26084	UTM83-19	41.49371809	-70.61292142	4								

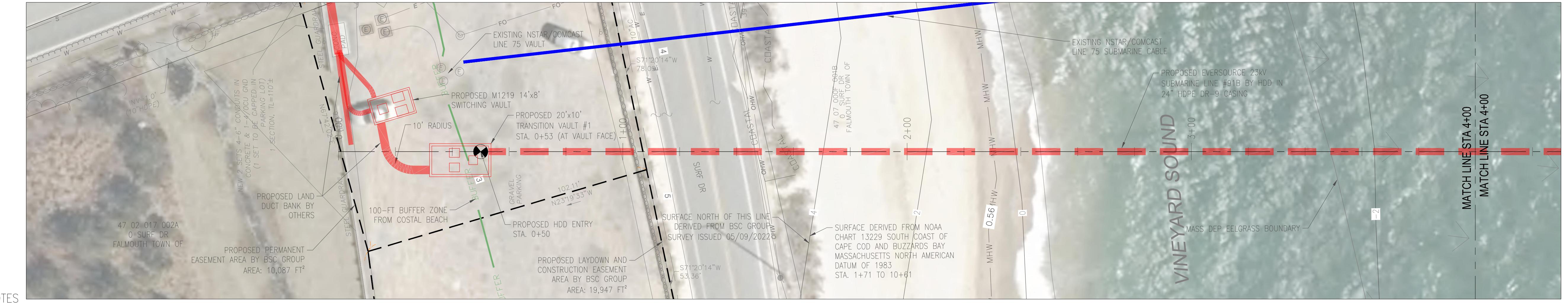
← STATION #933

PROFILE VIEW

TISBURY LANDING →



PLAN VIEW

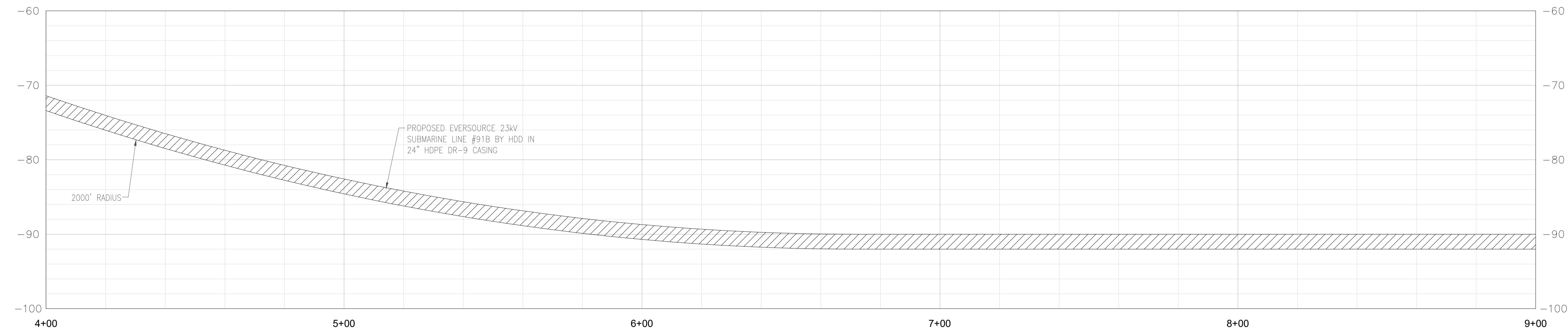
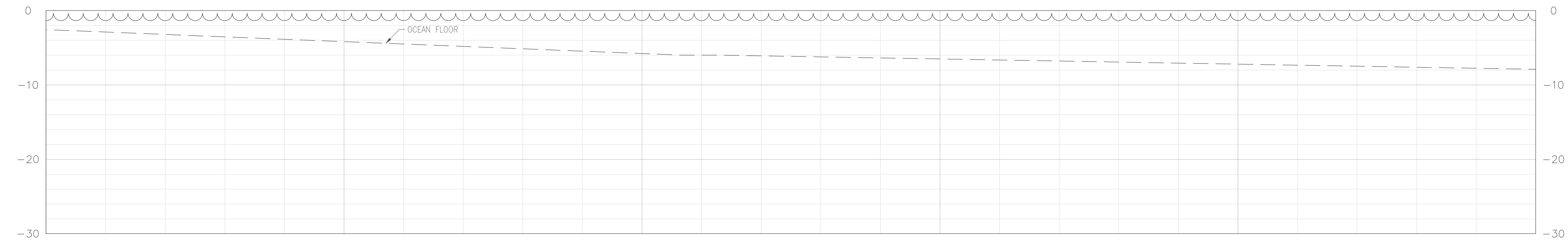


PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

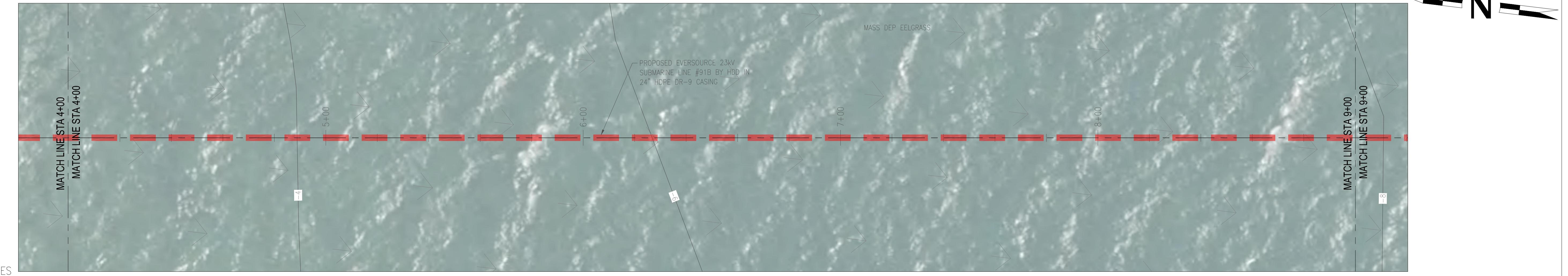
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



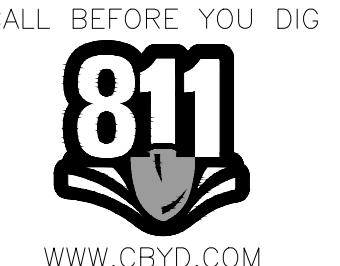
PLAN VIEW



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- THE UTILITIES AND NATURAL FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. 811 OR (888)-344-7233.
 - VERTICAL LOCATION OF SUBSURFACE UTILITY LINES ARE BASED ON ASSUMED DEPTHS AND MAY VARY FROM THE ACTUAL VERTICAL LOCATIONS.
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 - EXISTING LINE 75 COMES TO SHORE VIA HDD AT BOTH LANDFALLS – CONTRACTOR TO EXERCISE CAUTION.
 - EXISTING LINES #91 AND #97 COME TO SHORE DIRECT BURIED AT TISBURY LANDFALL – CONTRACTOR TO EXERCISE CAUTION.
 - CONTRACTOR TO VERIFY SIZE AND LOCATION OF TARGETED ANOMALIES.

0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'



No	DATE	REVISION	BY	CHKD	ENGR	SUPV
C	03/23/2023	ISSUED FOR PERMITTING		ASW	TPB	TPB
B	02/03/2023	ISSUED FOR REVIEW – ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT		ASW	TPB	TPB
A	11/28/2022	ISSUED FOR REVIEW – 30% PLAN		LAS	TPB	ASW

EVERSOURCE

PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

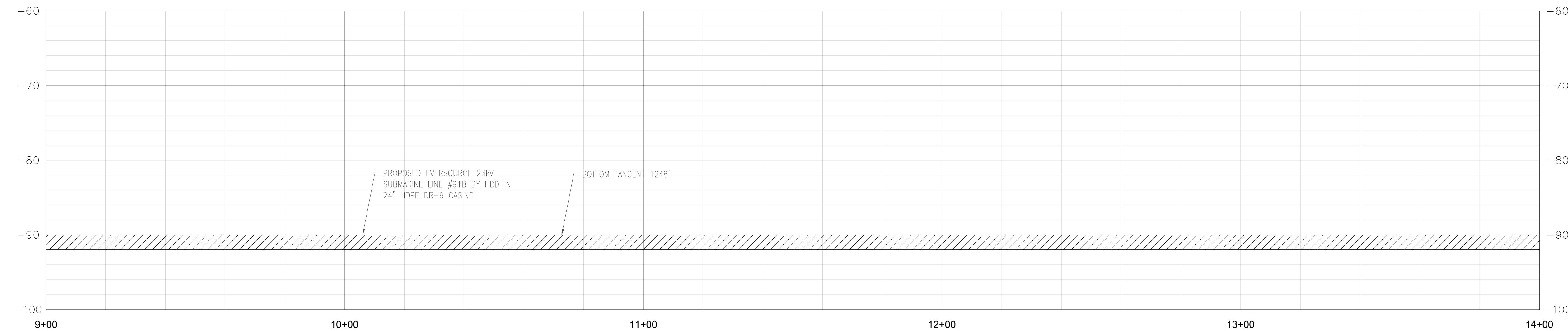
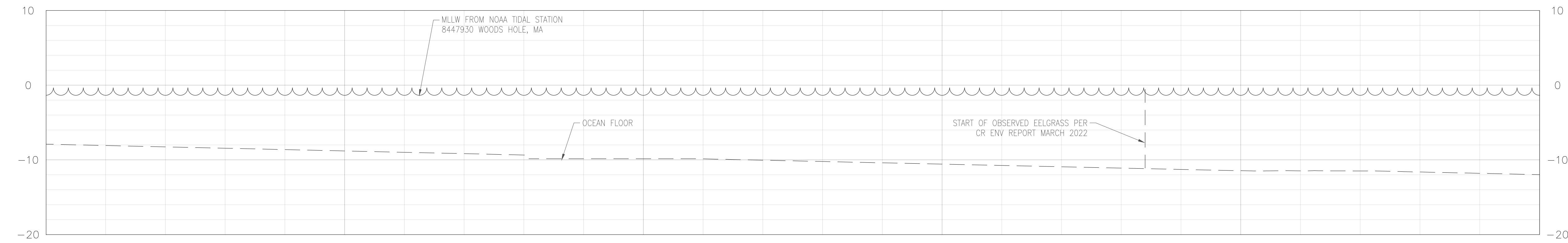
MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 4+00 TO 9+00

DATE 2022-11-28 SCALE 1" = 20' SHEET 6 OF 25 SHEET NAME 6

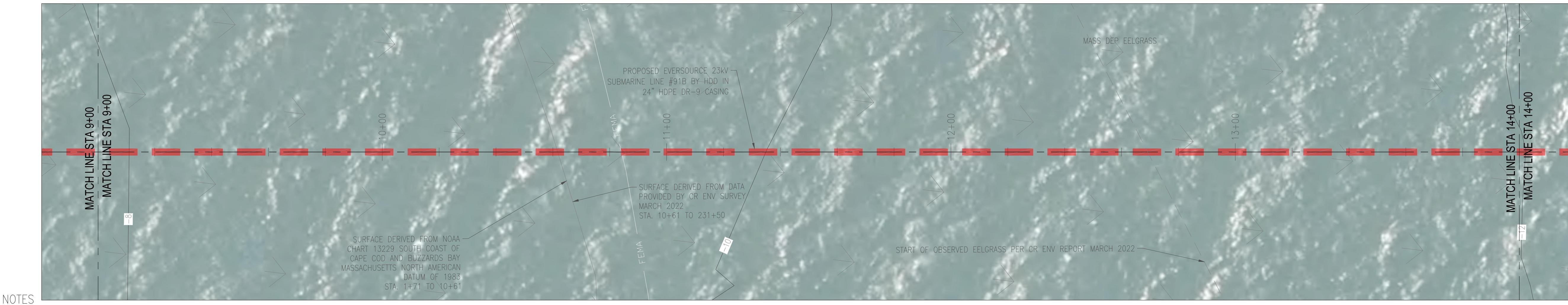
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



1. THE UTILITIES AND NATURAL FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. 811 OR (888)-344-7233.
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5. EXISTING LINES #91 AND #97 COME TO SHORE DIRECT BURIED AT TISBURY LANDFALL – CONTRACTOR TO EXERCISE CAUTION.
6. CONTRACTOR TO VERIFY SIZE AND LOCATION OF TARGETED ANOMALIES.

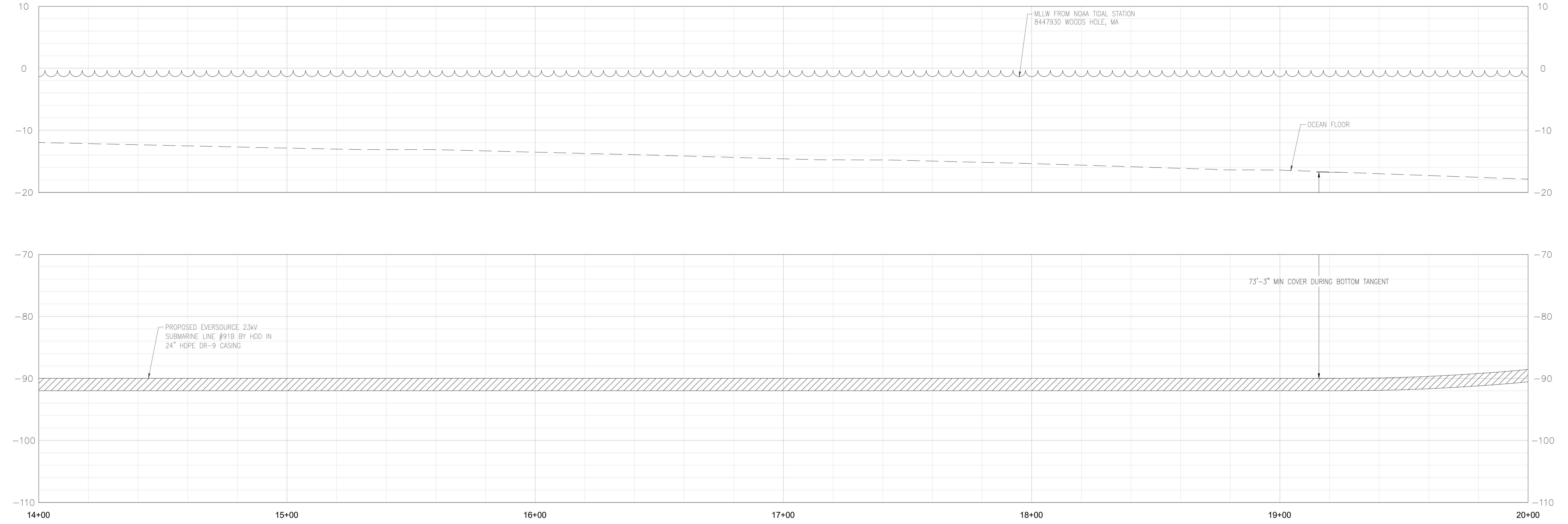
0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'

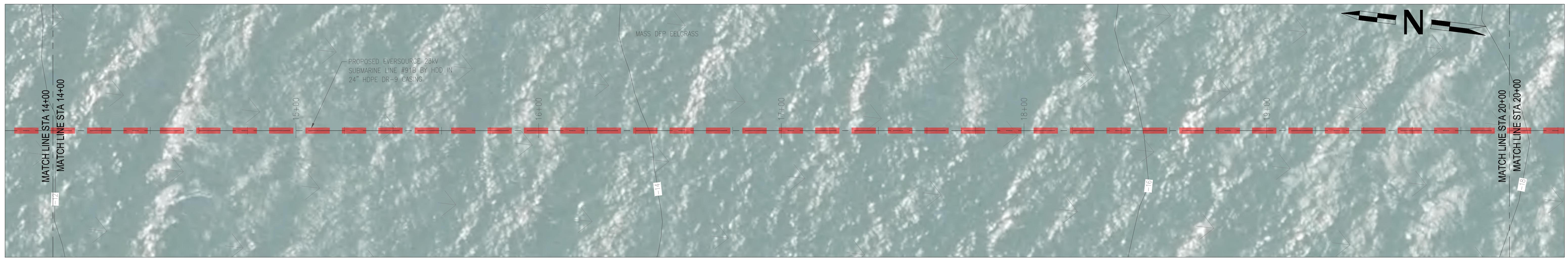
TO STATION 933

PROFILE VIEW

TO TISBURY LANDING



PLAN VIEW

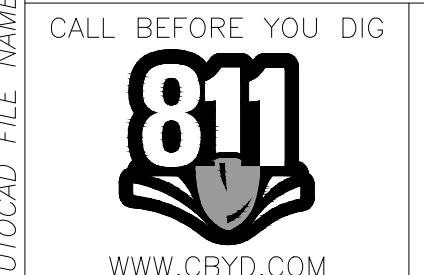


NOTES

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0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'



ISSUED FOR PERMITTING	ASW	TPB	TPB	TPB	
C 03/23/2023					
B 02/03/2023 ISSUED FOR REVIEW – ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT	ASW	TPB	TPB	TPB	
A 11/28/2022 ISSUED FOR REVIEW – 30% PLAN	LAS	TPB	ASW	TPB	
No DATE	REVISION	BY	CHKD	ENGR	SUPV

EVERSOURCE

PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

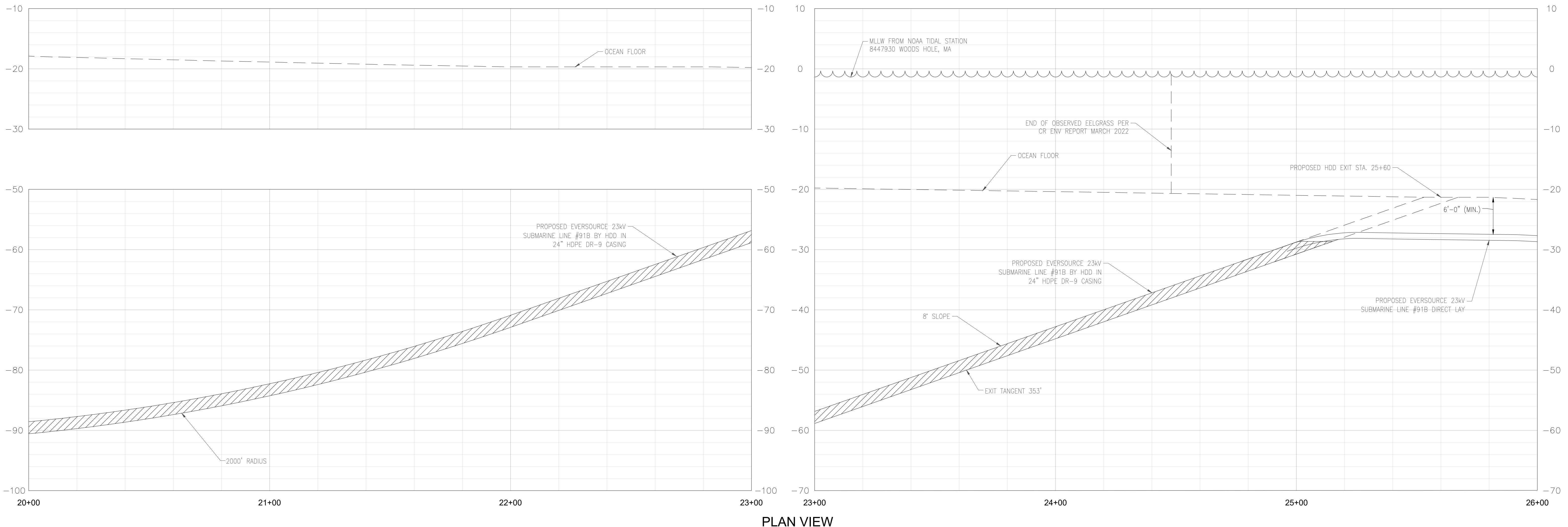
MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 14+00 TO 20+00

DATE 2022-11-28 SCALE 1" = 20' SHEET 8 OF 25 SHEET NAME 8

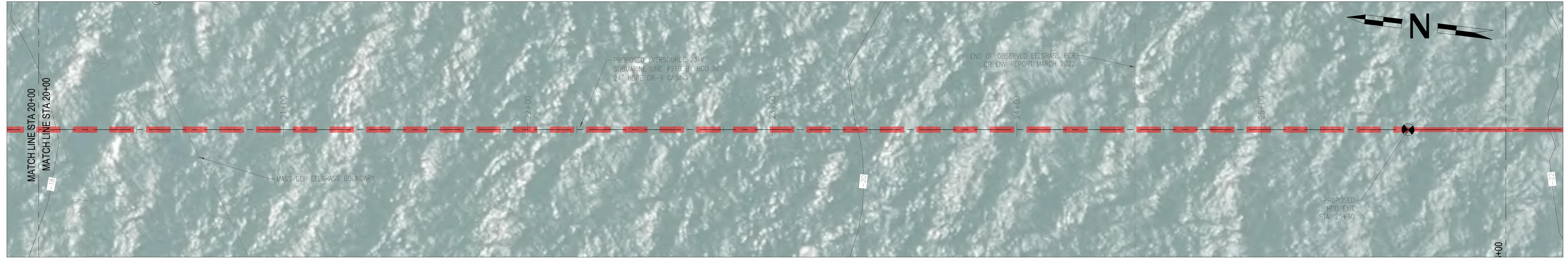
TO STATION 933

TO TISBURY LANDING

PROFILE VIEW



PLAN VIEW



NOTES

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0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'



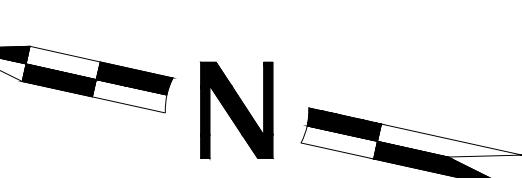
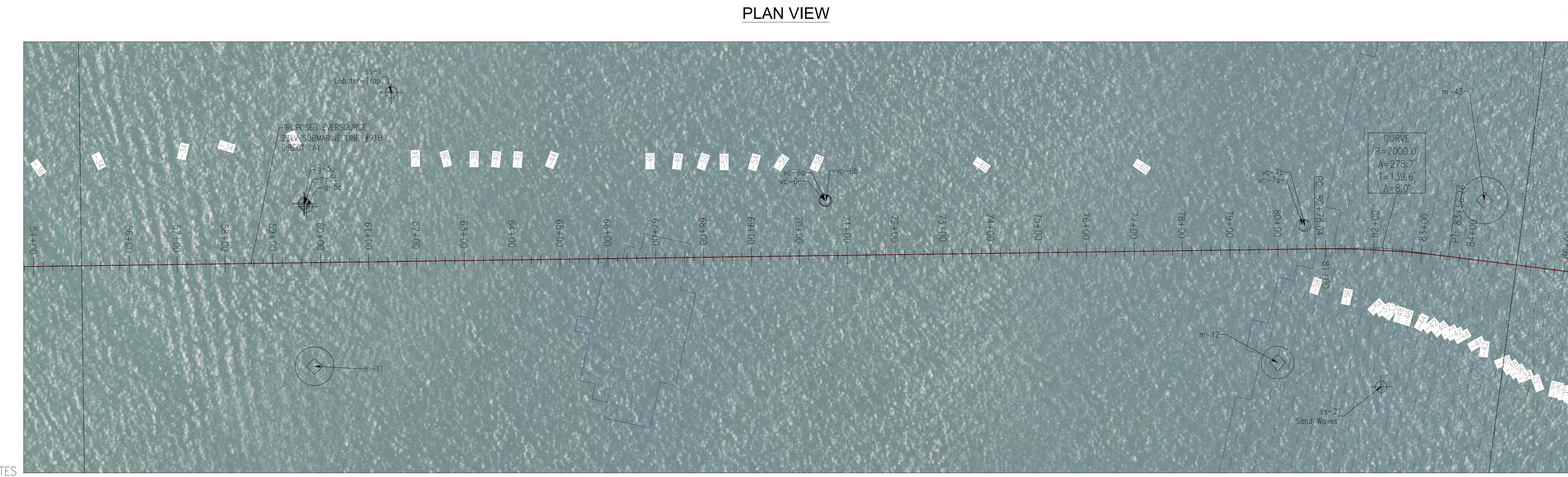
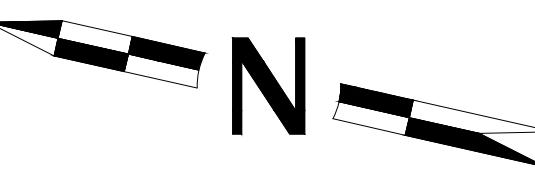
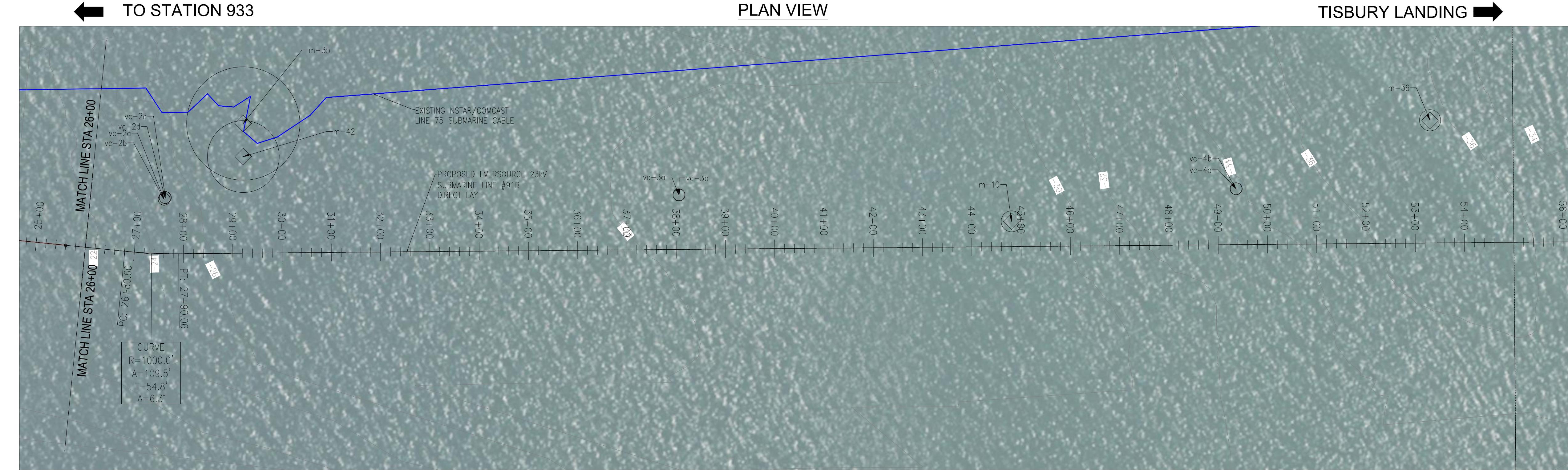
C 03/23/2023	ISSUED FOR PERMITTING	ASW	TPB	TPB	TPB
B 02/03/2023	ISSUED FOR REVIEW – ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT	ASW	TPB	TPB	TPB
A 11/28/2022	ISSUED FOR REVIEW – 30% PLAN	LAS	TPB	ASW	TPB
No	DATE	REVISION	BY	CHKD	ENGR

EVERSOURCE

PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

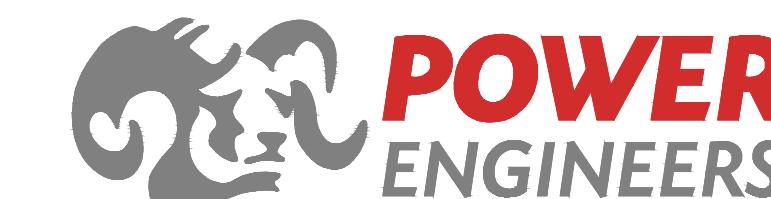
MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 20+00 TO 26+00

DATE 2022-11-28 SCALE 1" = 20' SHEET 9 OF 25 SHEET NAME 9



- NOTES
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 - CONTRACTOR TO VERIFY SIZE AND LOCATION OF TARGETED ANOMALIES.

0 60 120 240 360 FEET
HORIZONTAL SCALE: 1" = 120'



No	DATE	REVISION	BY	CHKD	ENGR	SUPV
C	03/23/2023	ISSUED FOR PERMITTING		ASW	TPB	TPB
B	02/03/2023	ISSUED FOR REVIEW - ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT		ASW	TPB	TPB
A	11/28/2022	ISSUED FOR REVIEW - 30% PLAN		LAS	TPB	ASW

EVERSOURCE

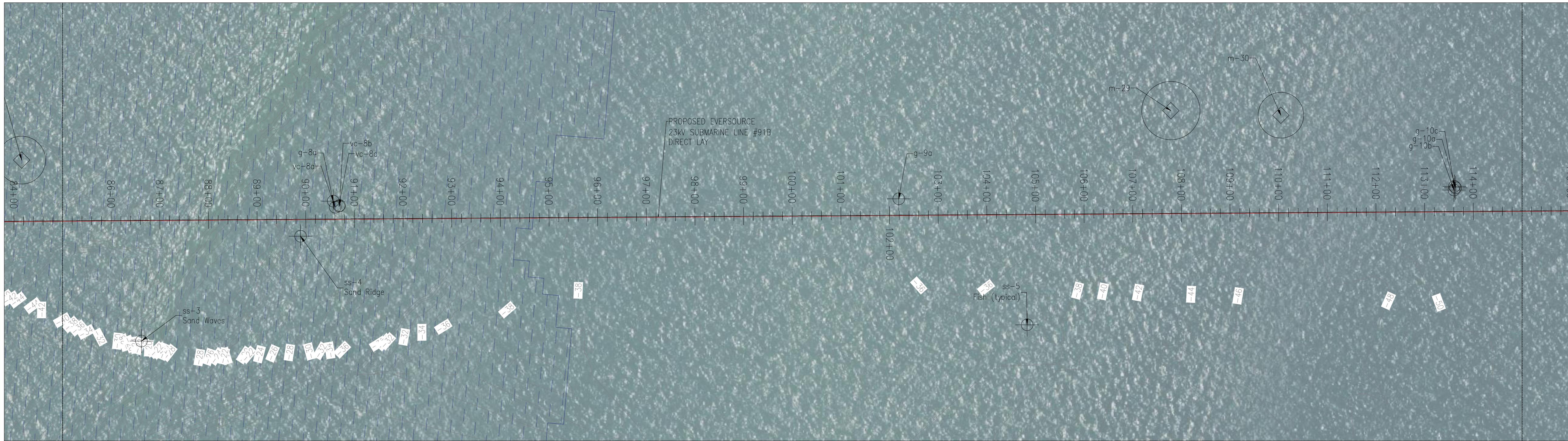
PROJ #	0235370_00	WORK #	WR7089330	DRAWN	LAS
CHECKED		TPB		DESIGN ENG	ASW
DESIGN SUPV		TPB		DATE	2022-11-28
				SCALE	1" = 120'
				10 OF 25	10
				SHEET NAME	

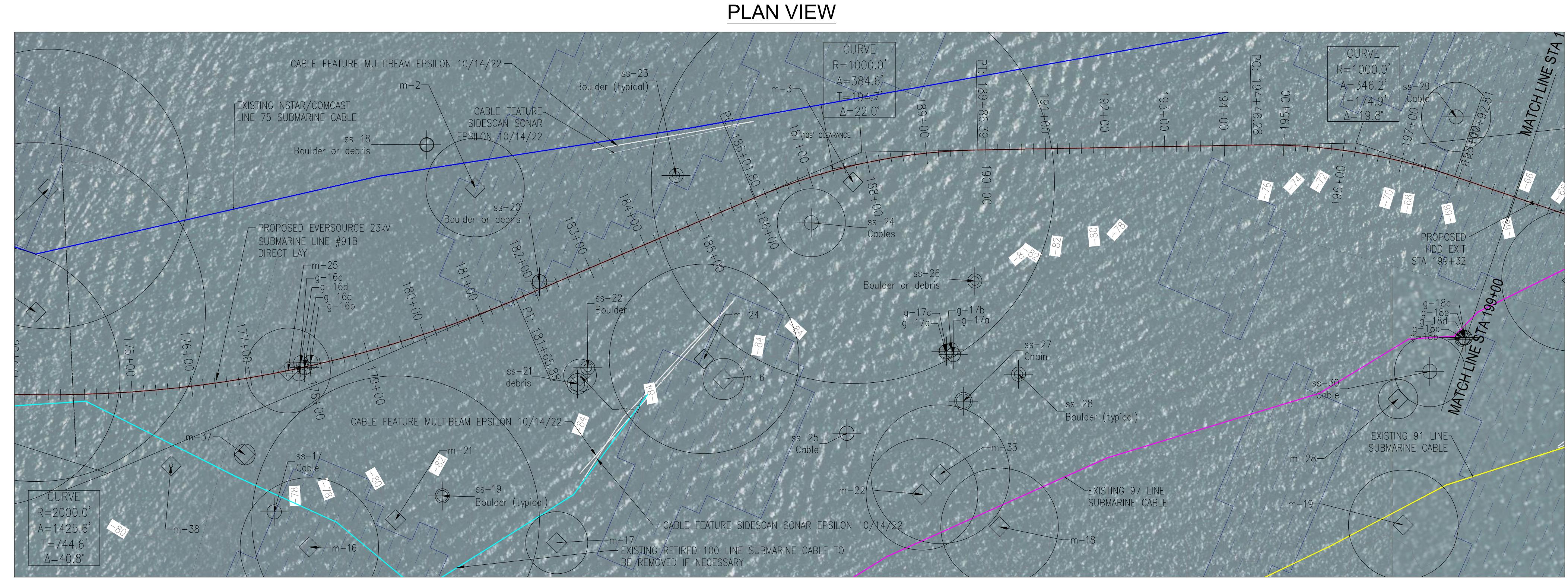
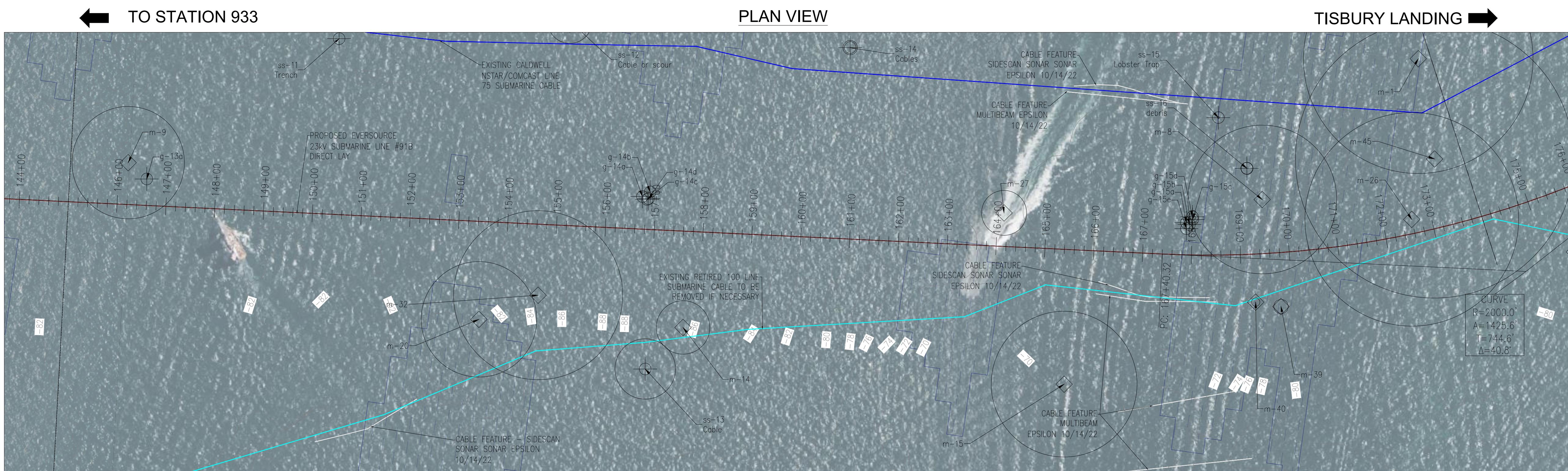
MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 24+00 TO 85+00

← TO STATION 933

PLAN VIEW

TISBURY LANDING →



**NOTES**

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0 60 120 240 360 FEET
HORIZONTAL SCALE: 1" = 120'



No	DATE	REVISION	BY	CHKD	ENGR	SUPV
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B	02/03/2023	ISSUED FOR REVIEW - ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT		ASW	TPB	TPB
A	11/28/2022	ISSUED FOR REVIEW - 30% PLAN		LAS	TPB	ASW

EVERSOURCE

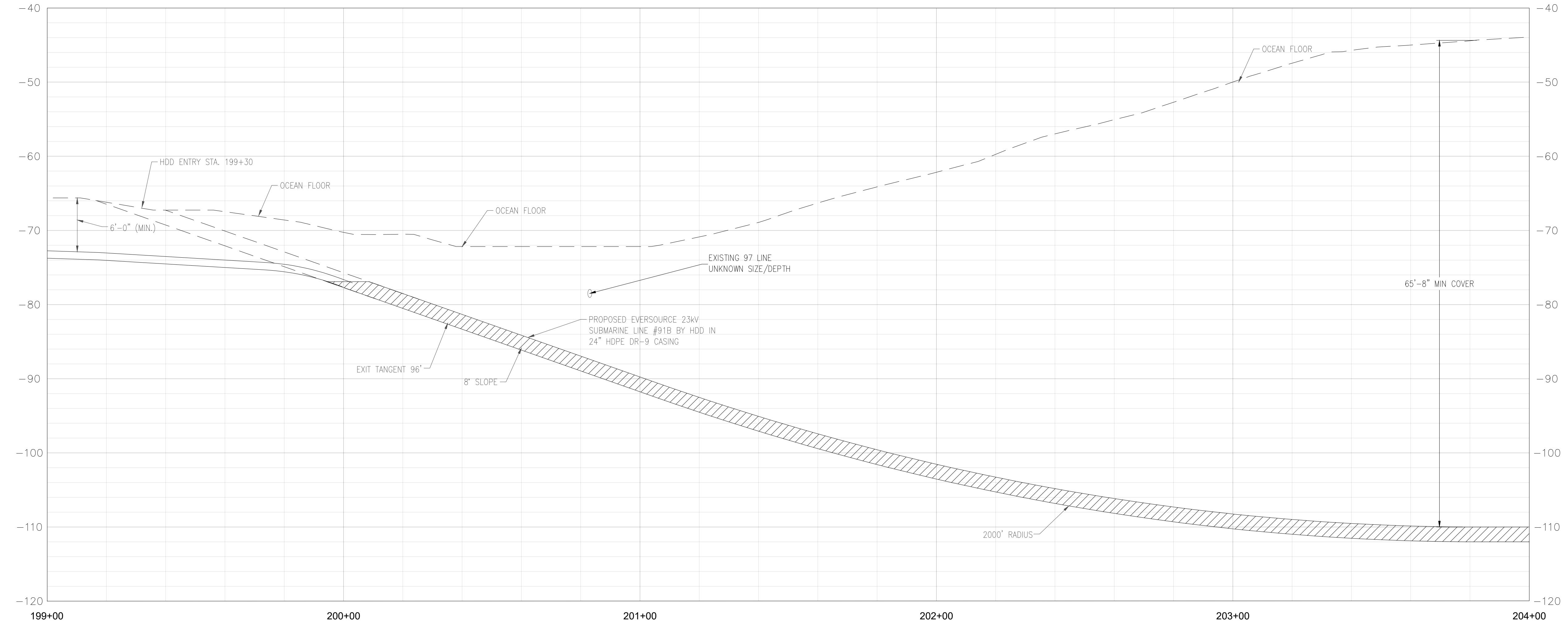
PROJ #	0235370_00	WORK #	WR7089330	DRAWN	LAS
CHECKED	TPB	DESIGN ENG	ASW	DESIGN SUPV	TPB
DATE	2022-11-28	SCALE	1" = 120'	SHEET	12 OF 25
SHEET NAME	12				

MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 145+00 TO 199+00

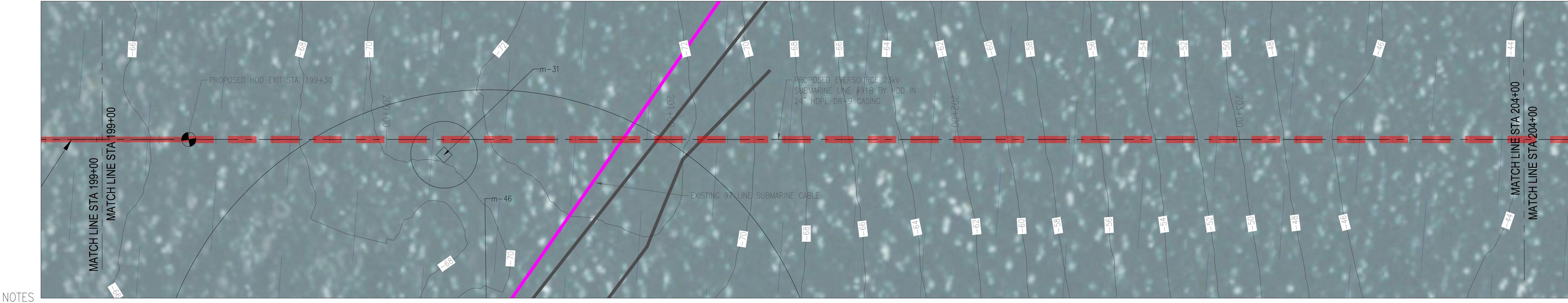
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



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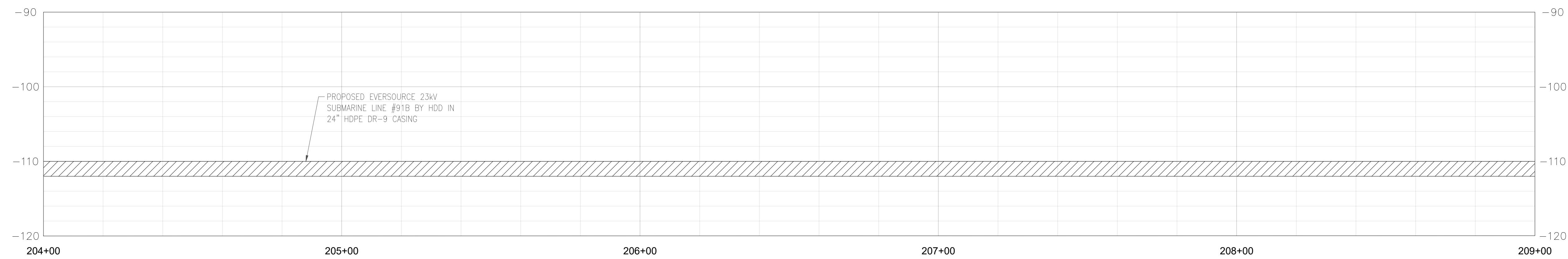
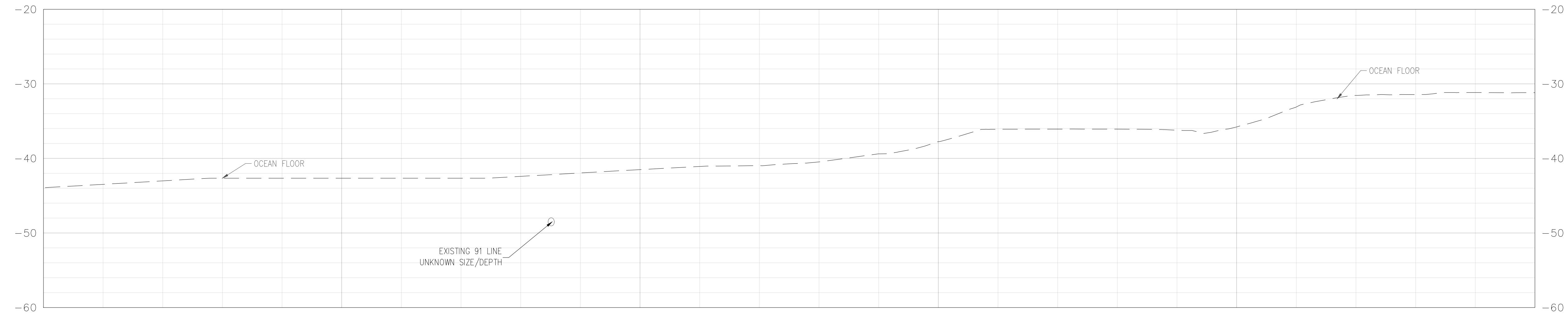
0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'

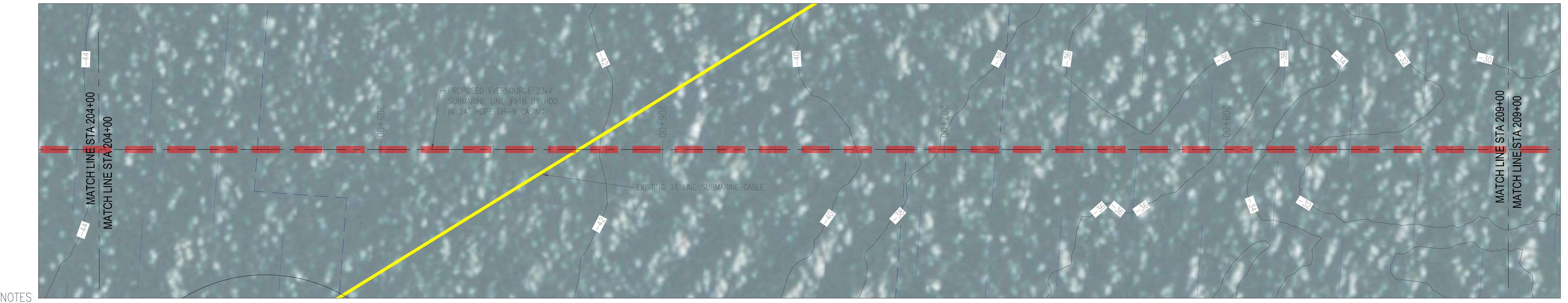
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



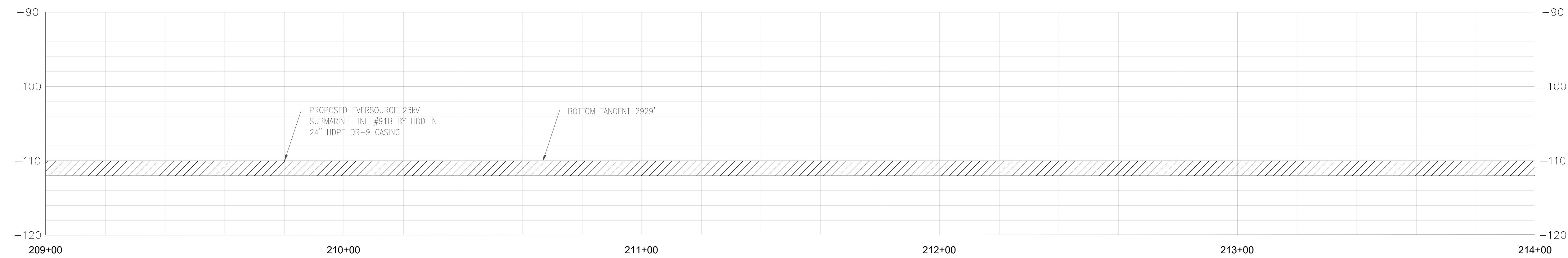
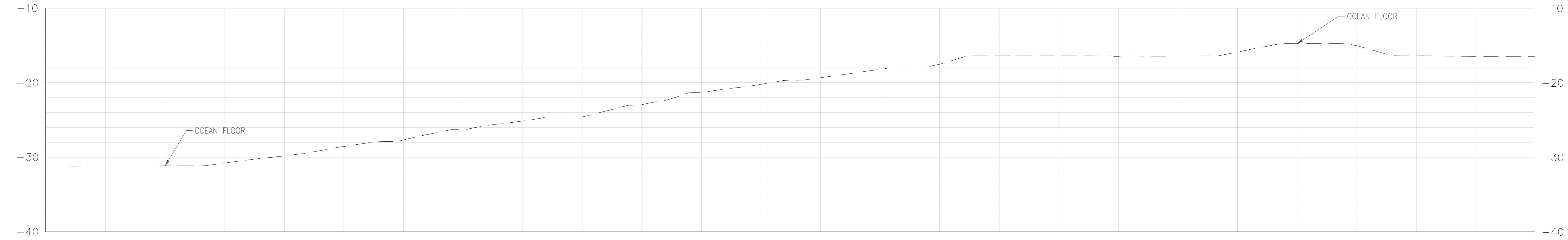
0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'

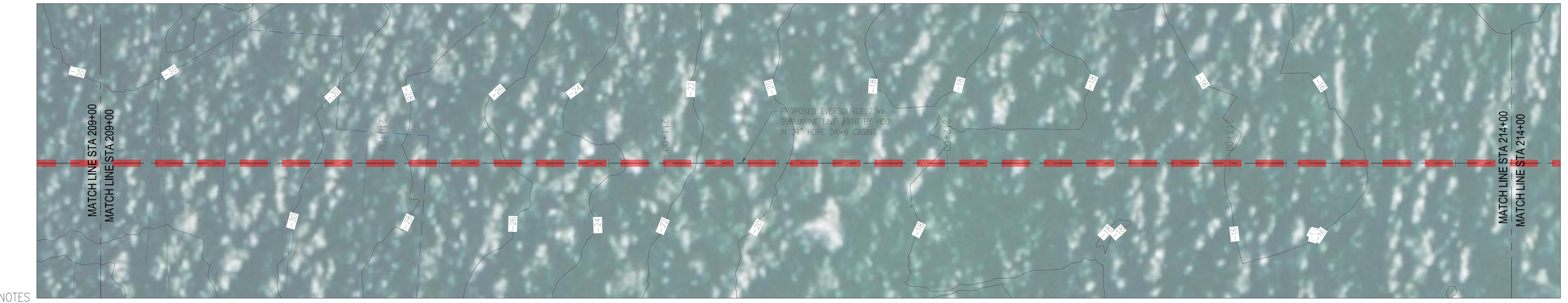
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



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0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'



NO	DATE	REVISION	BY	CHKD	ENGR	SUPV
C	03/23/2023	ISSUED FOR PERMITTING		ASW	TPB	TPB
B	02/03/2023	ISSUED FOR REVIEW – ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT		ASW	TPB	TPB
A	11/28/2022	ISSUED FOR REVIEW – 30% PLAN		LAS	TPB	ASW

EVERSOURCE

PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

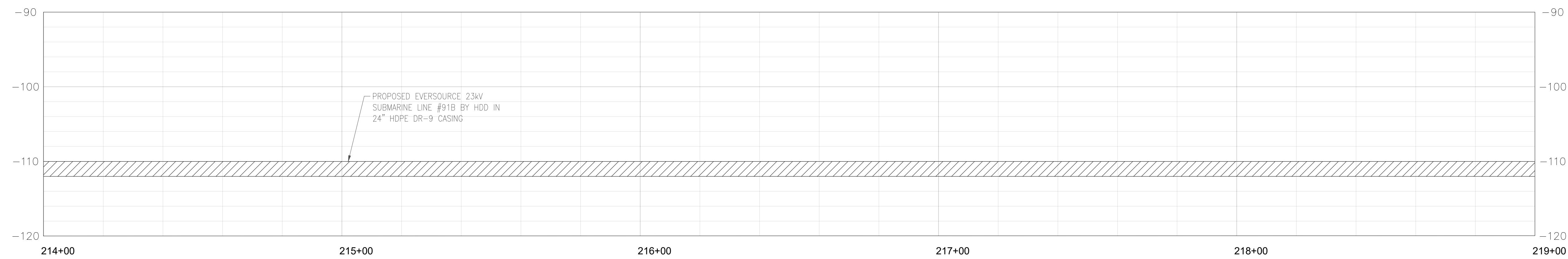
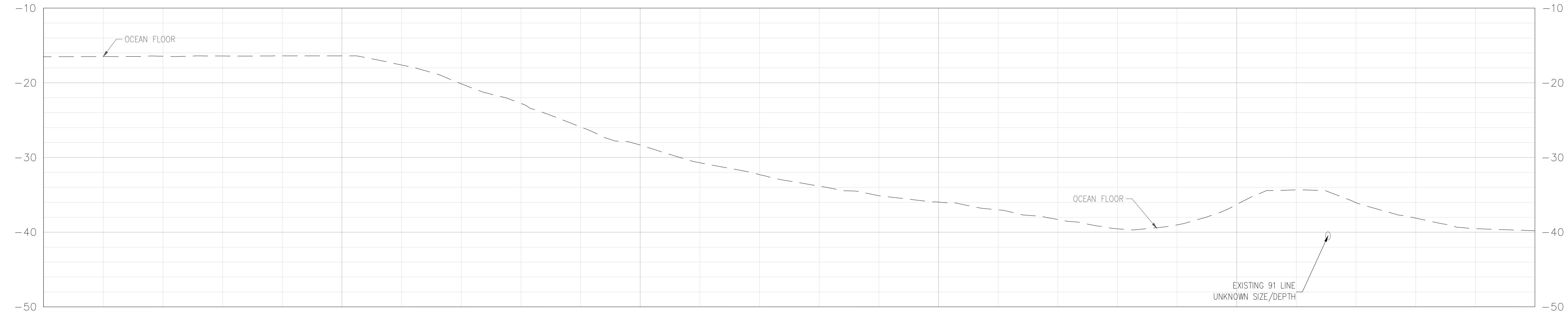
MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 209+00 TO 214+00

DATE: 2022-11-28 SCALE: 1" = 20' SHEET: 15 OF 25 SHEET NAME: 15

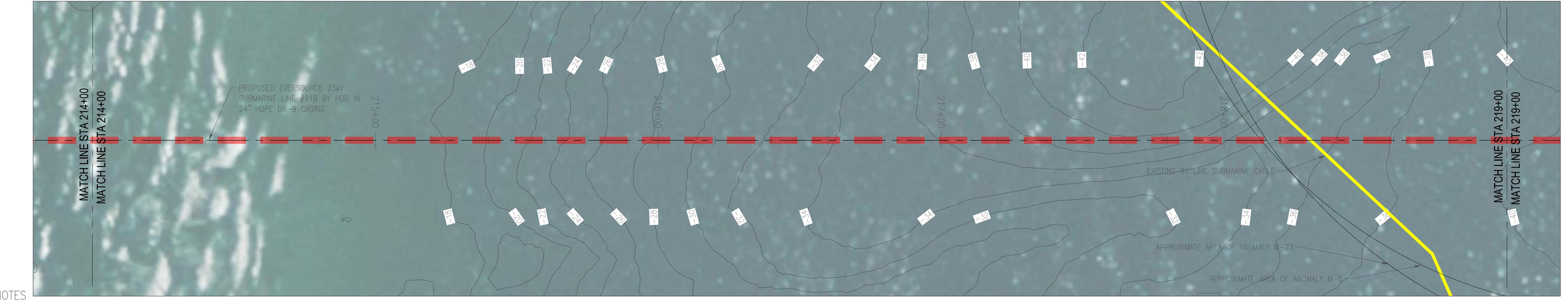
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



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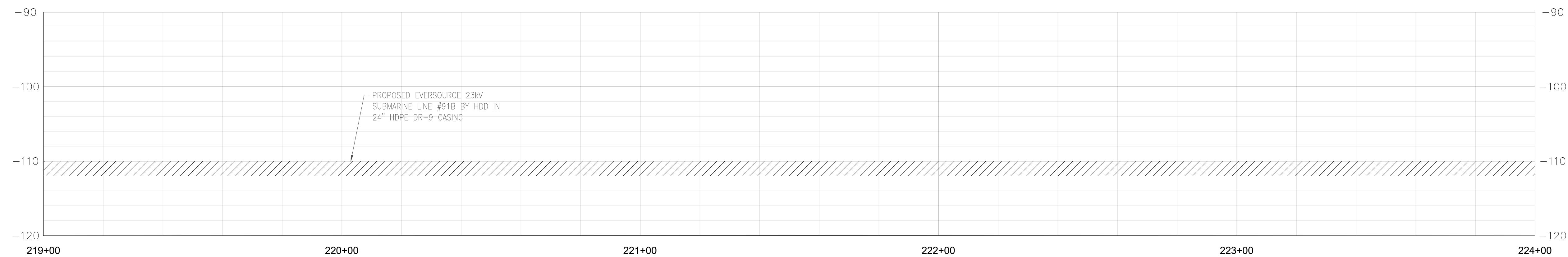
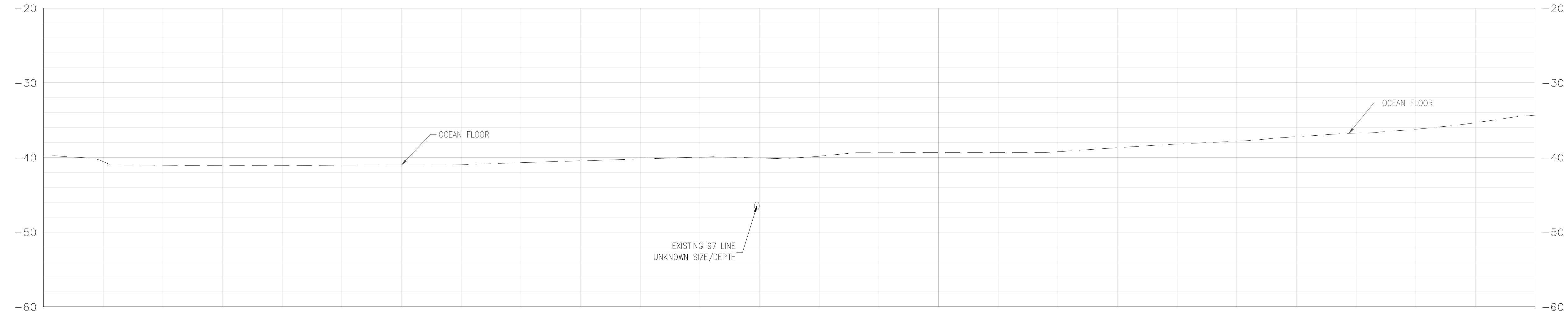
0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'

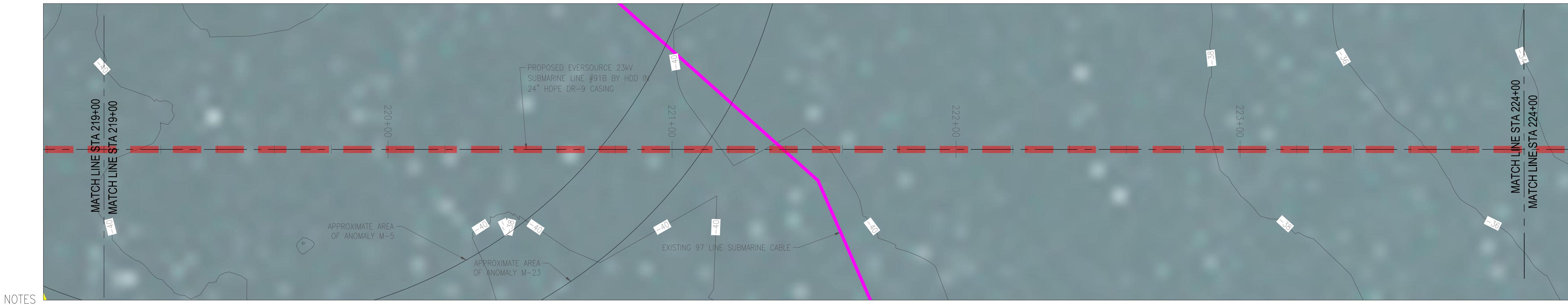
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



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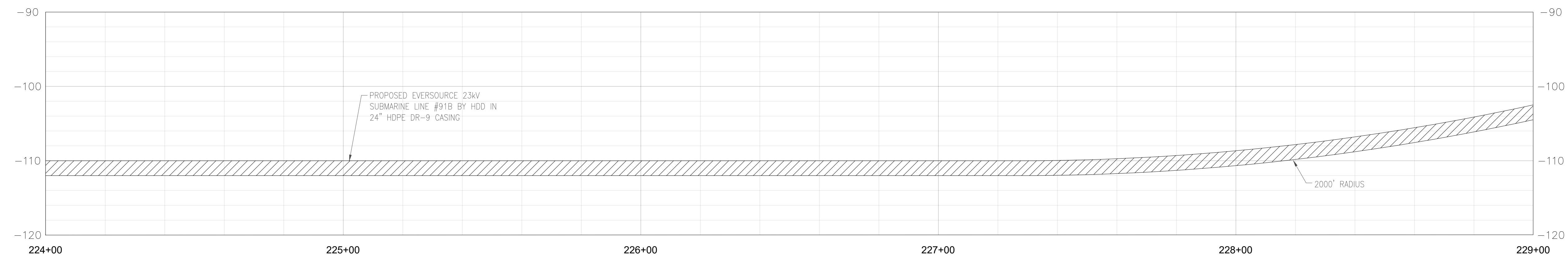
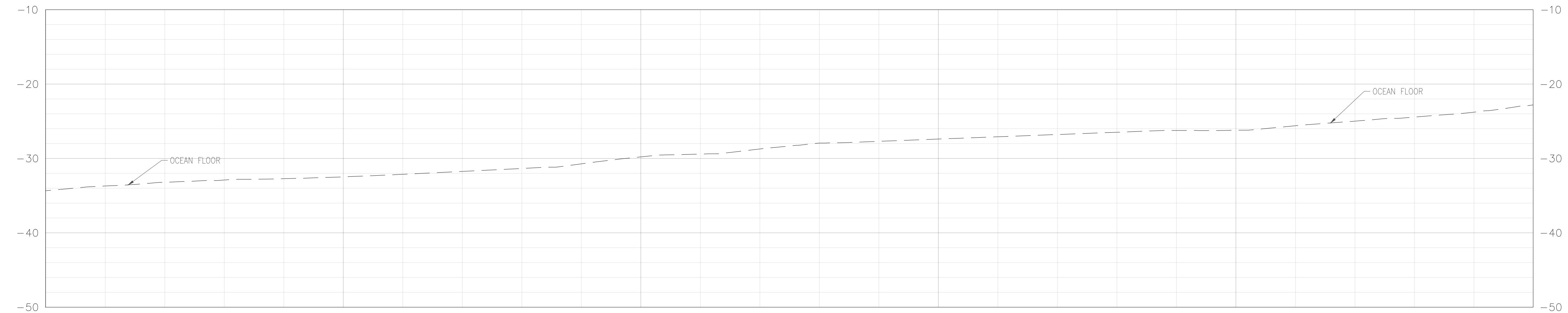
0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'

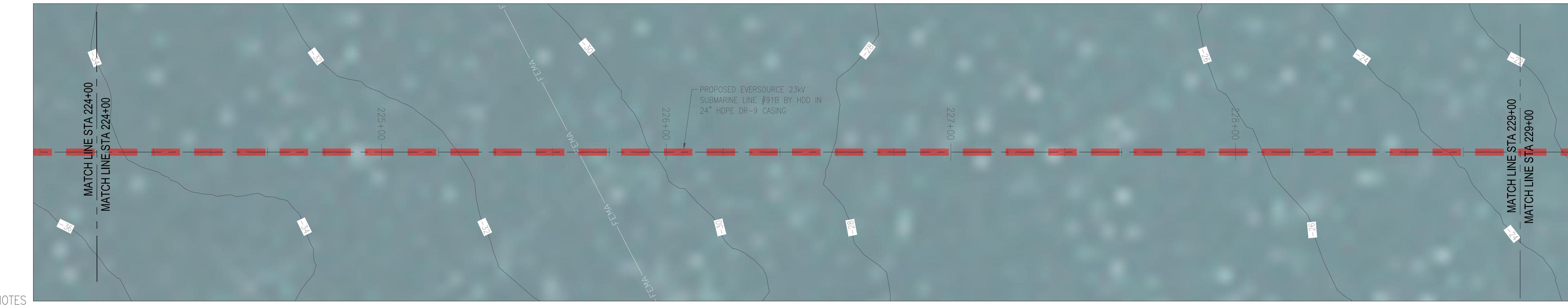
◀ TO STATION 933

PROFILE VIEW

TO TISBURY LANDING ▶



PLAN VIEW



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0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'



C 03/23/2023	ISSUED FOR PERMITTING	ASW	TPB	TPB	TPB
B 02/03/2023	ISSUED FOR REVIEW – ADDED ENVIRO LAYERS AND UPDATED TISBURY HDD EXIT	ASW	TPB	TPB	TPB
A 11/28/2022	ISSUED FOR REVIEW – 30% PLAN	LAS	TPB	ASW	TPB
No	DATE	REVISION	BY	CHKD	ENGR

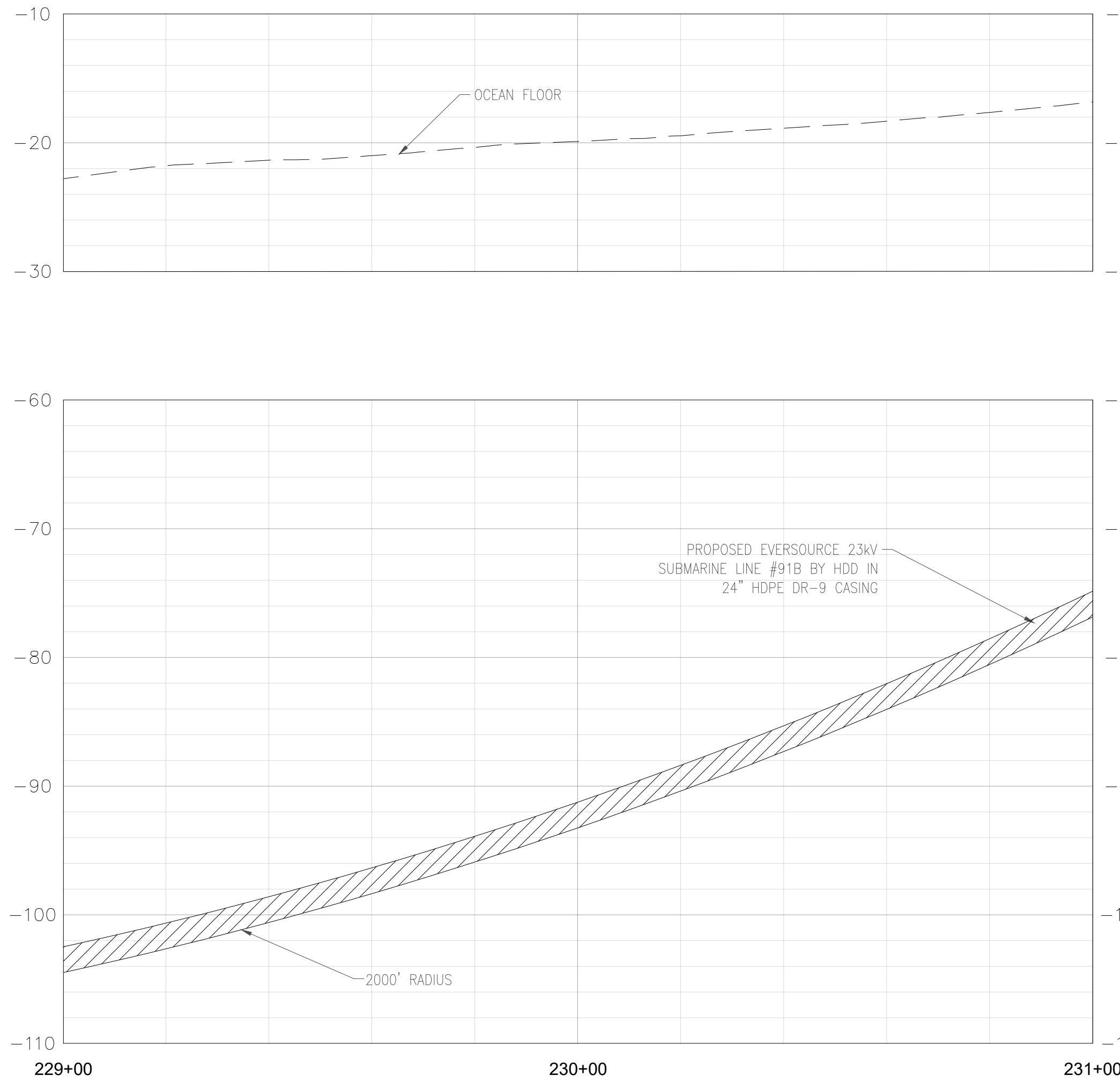
EVERSOURCE

PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

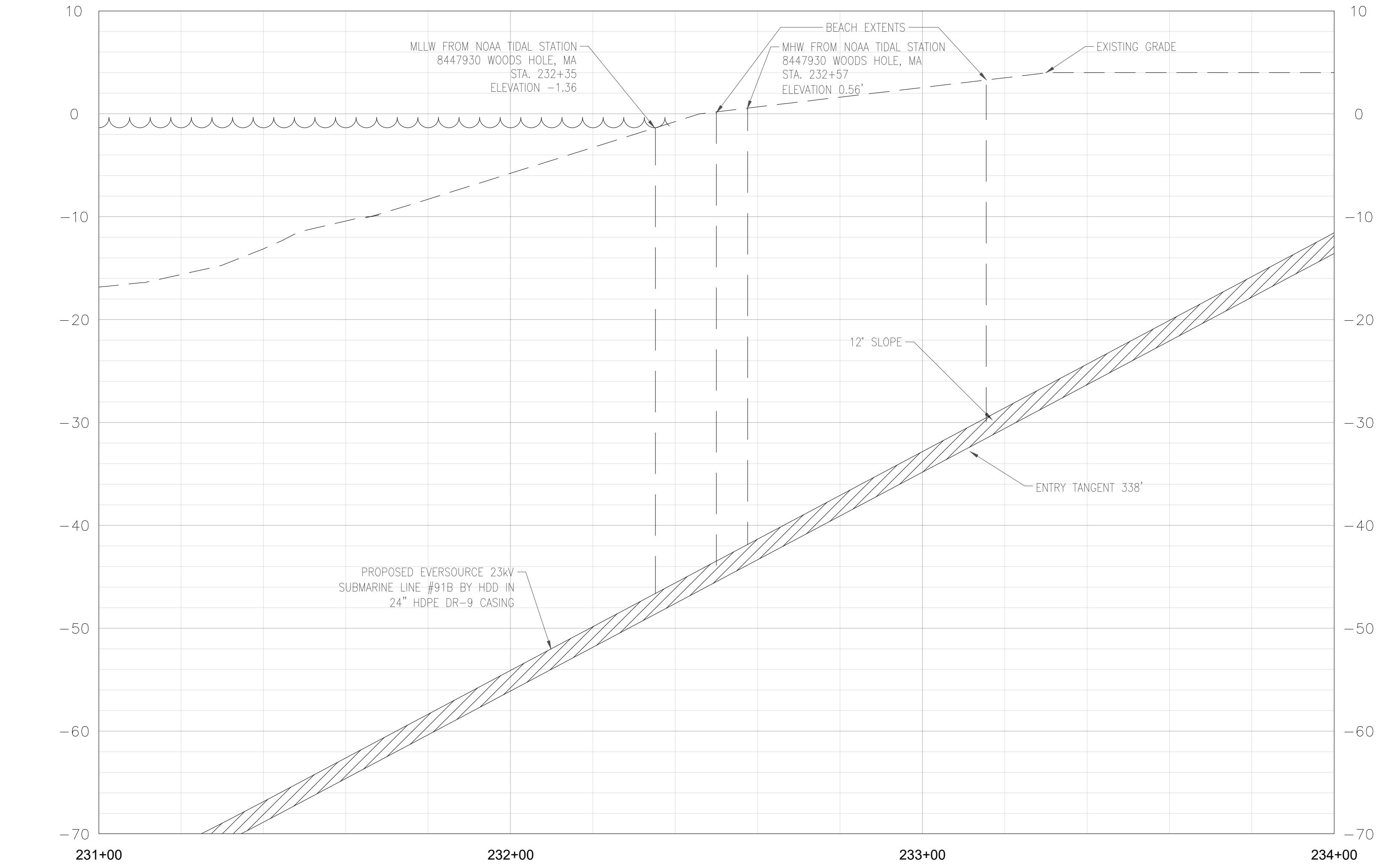
MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 224+00 TO 229+00

DATE: 2022-11-28 SCALE: 1" = 20' SHEET: 18 OF 25 SHEET NAME: 18

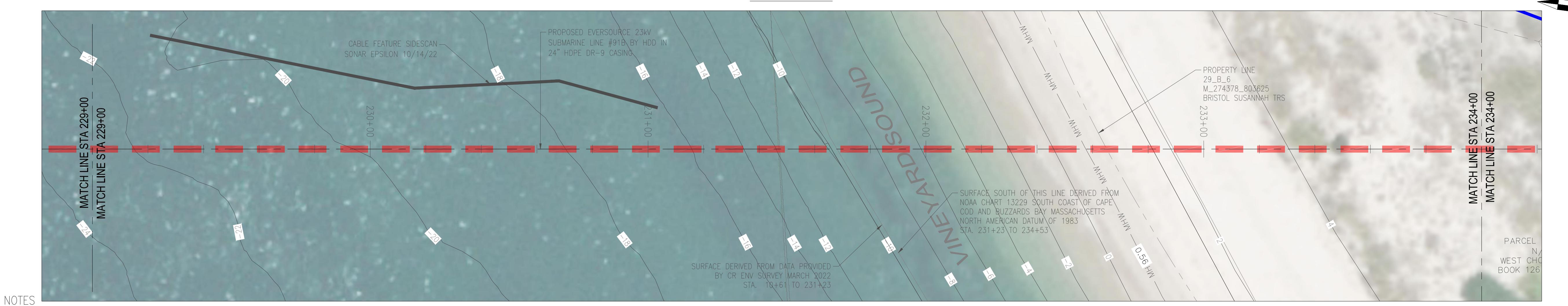
◀ TO STATION 933



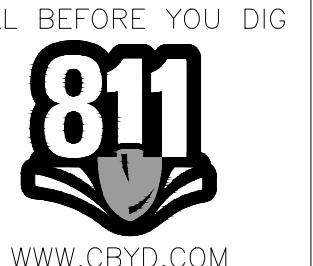
PROFILE VIEW



TO TISBURY LANDING ▶



- AUTOCAD FILE NAME: 0235370-00 MV 91 Combined Plan & Profile.dwg
- THE UTILITIES AND NATURAL FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. 811 OR (888)-344-7233.
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No	DATE	REVISION	BY	CHKD	ENGR	SUPV
C	03/23/2023	ISSUED FOR PERMITTING		ASW	TPB	TPB
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A	11/28/2022	ISSUED FOR REVIEW – 30% PLAN		LAS	TPB	ASW

EVERSOURCE

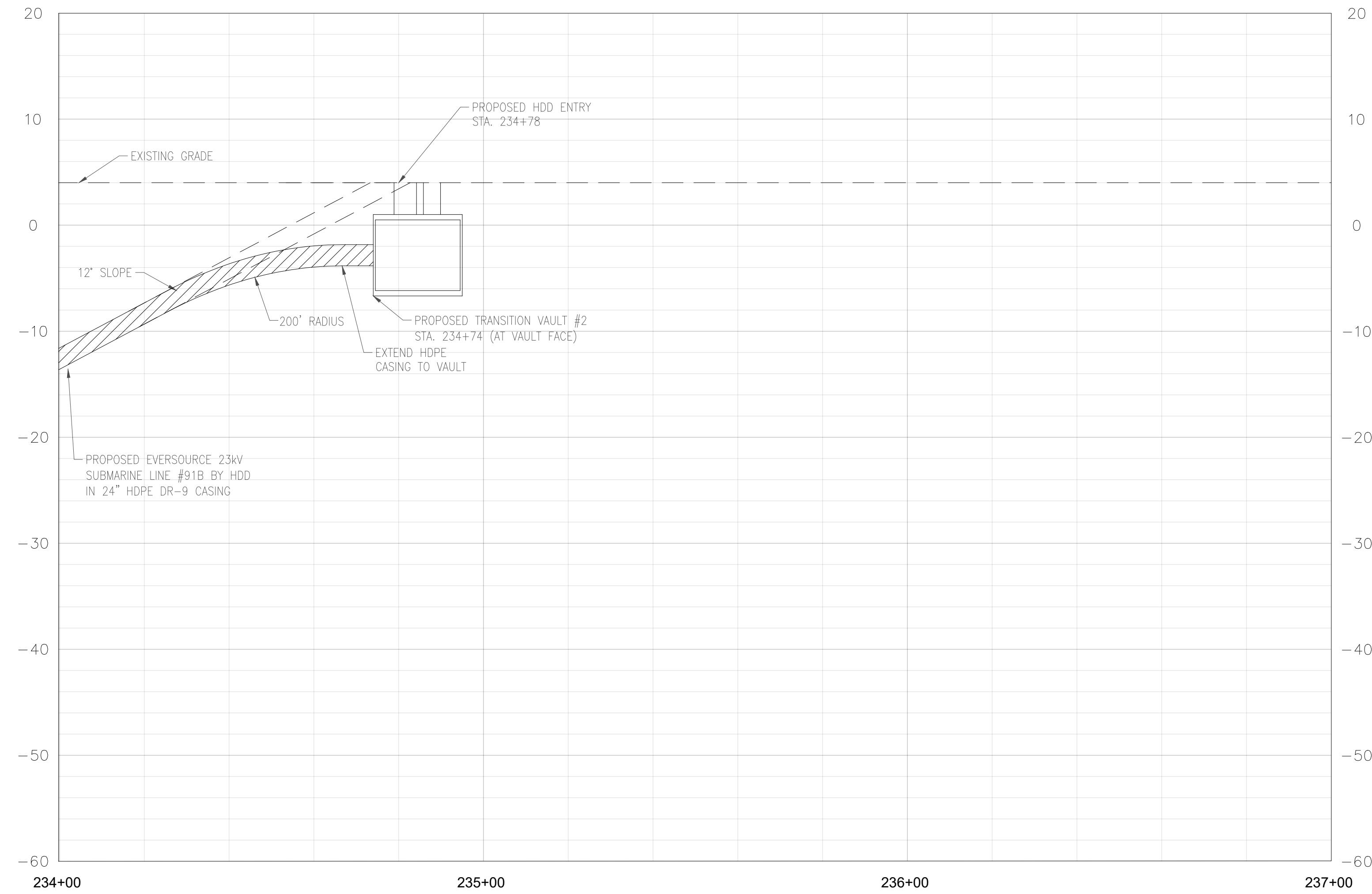
PROJ #	0235370_00	WORK #	WR7089330	DRAWN	LAS
CHECKED	TPB	DESIGN ENG	ASW	DESIGN SUPV	TPB
DATE	2022-11-28	SCALE	1" = 20'	SHEET	19 OF 25
SHEET NAME	19				

MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 229+00 TO 234+00

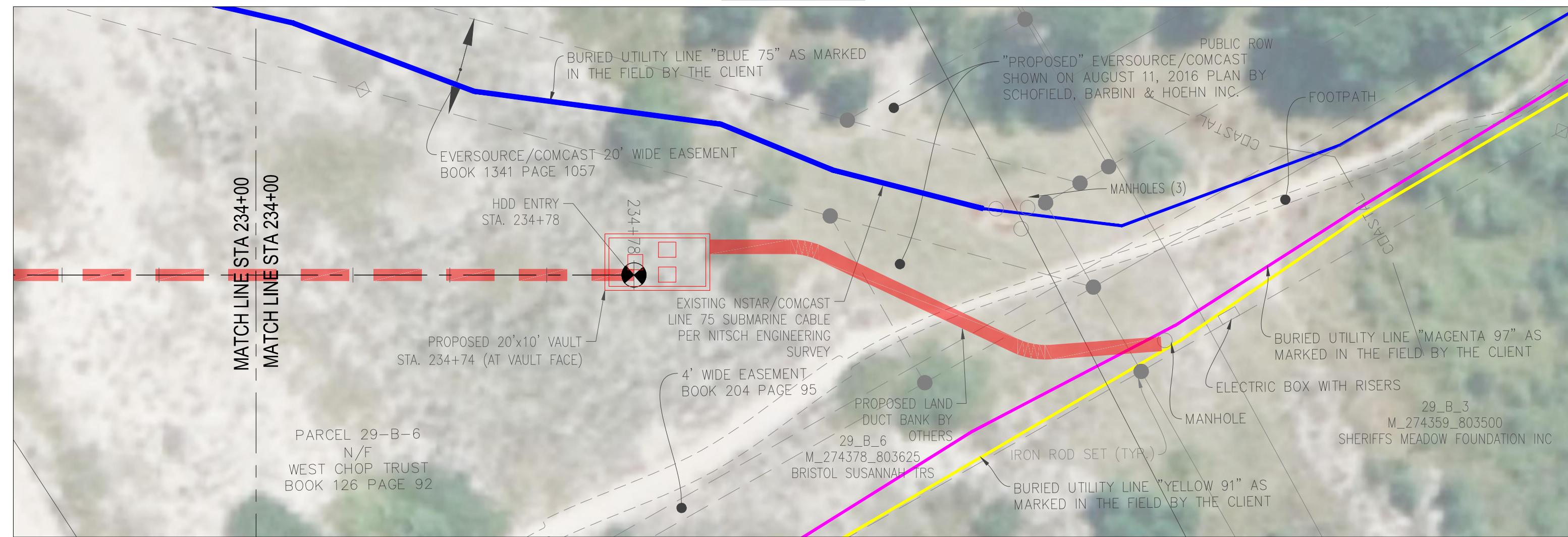
◀ TO STATION 933

TO TISBURY LANDING ▶

PROFILE VIEW



PLAN VIEW

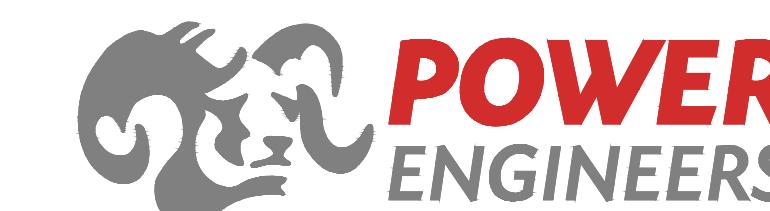
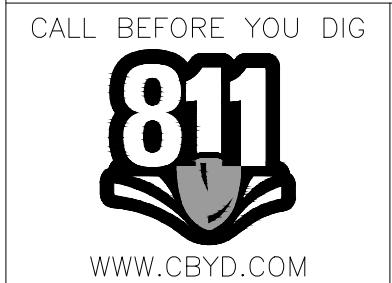


NOTES

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0 10 20 40 60 FEET
HORIZONTAL SCALE: 1" = 20'

0 4 8 16 24 FEET
VERTICAL SCALE: 1" = 8'



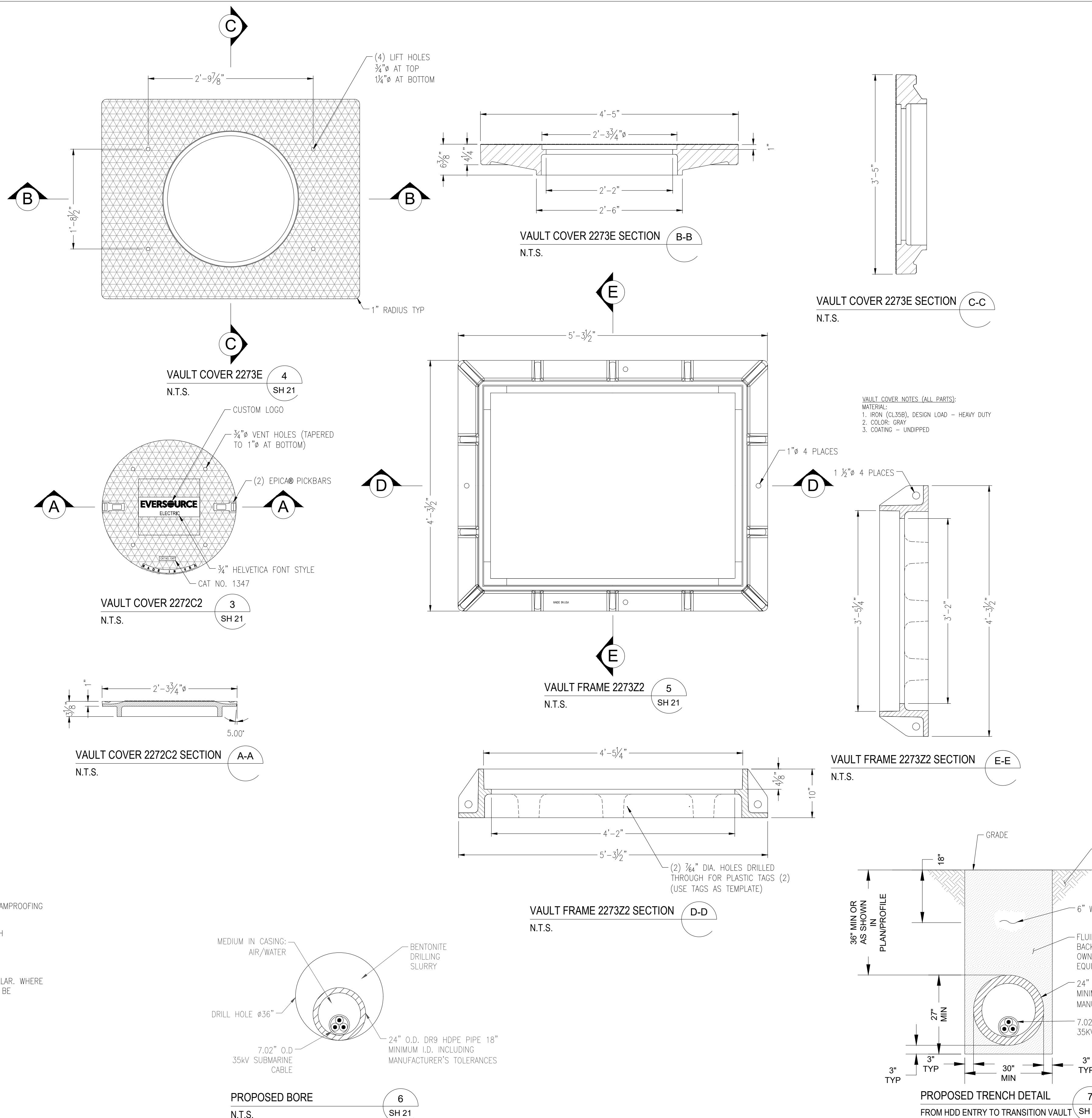
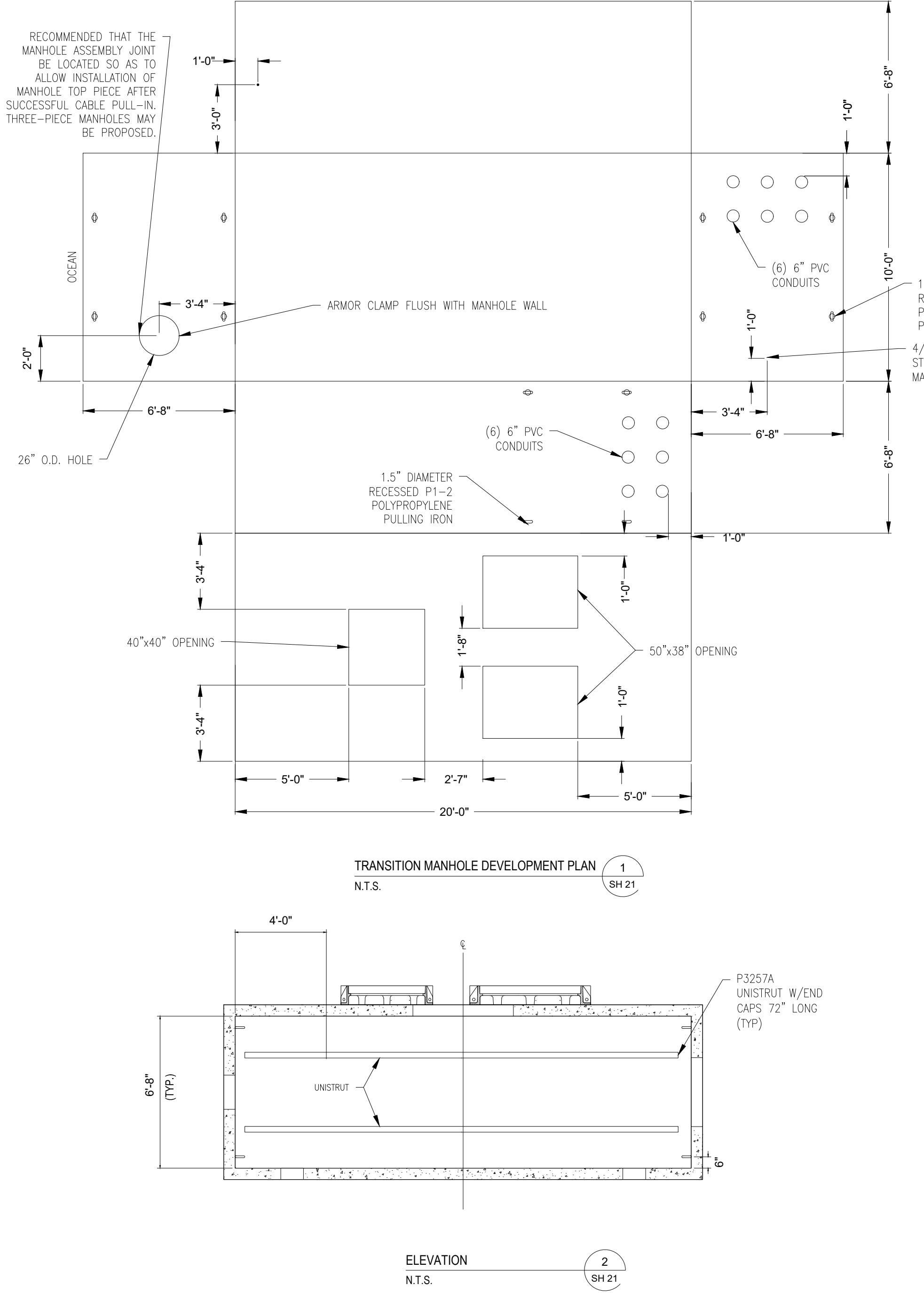
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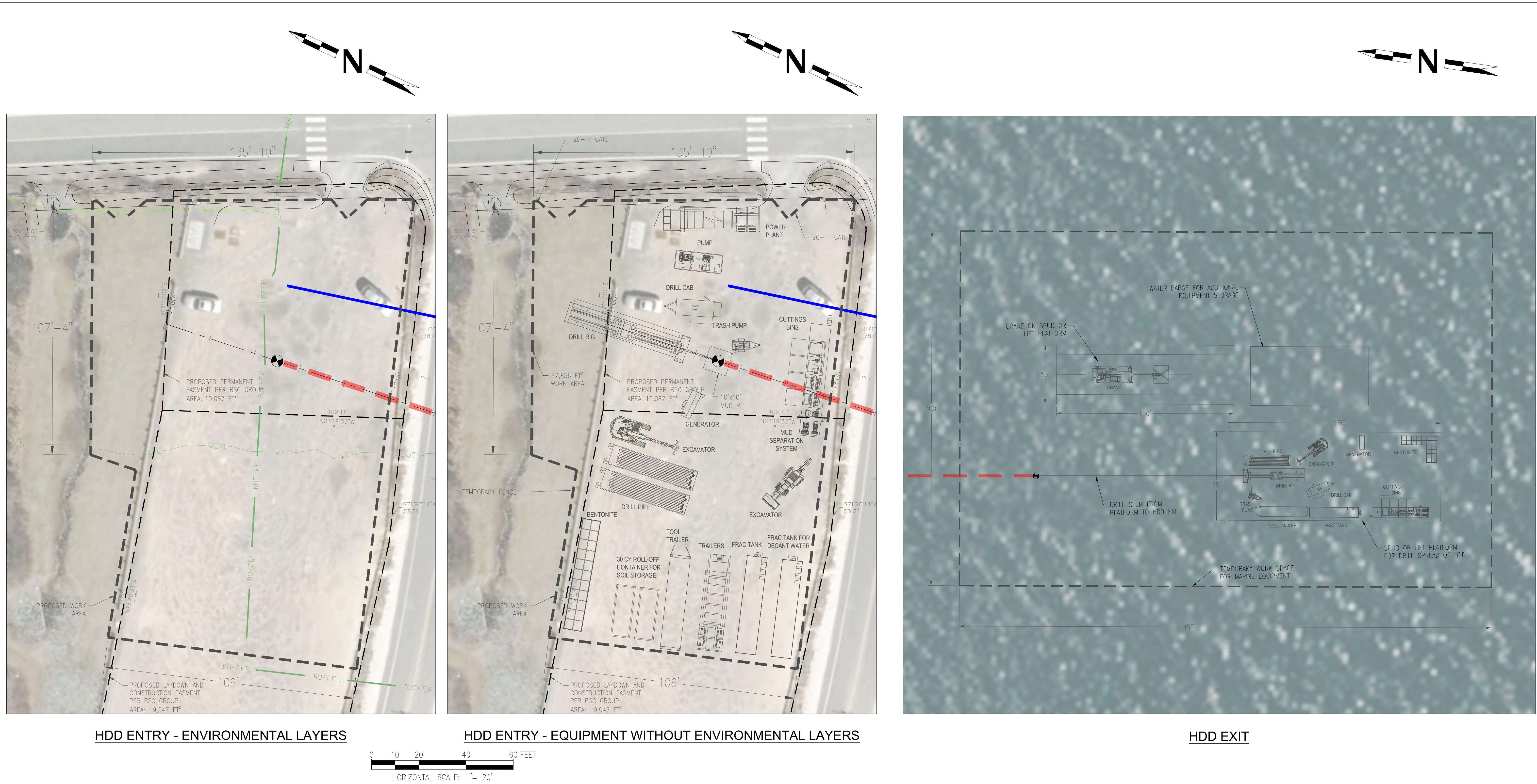
EVERSOURCE

PROJ #	0235370_00
WORK #	WR7089330
DRAWN	LAS
CHECKED	TPB
DESIGN ENG	ASW
DESIGN SUPV	TPB

MARTHA'S VINEYARD SUBMARINE LINE #91B
FALMOUTH & MARTHA'S VINEYARD, MA
PLAN & PROFILE STA. 234+00 TO 234+53

DATE: 2022-11-28 SCALE: 1" = 20' SHEET: 20 OF 25 SHEET NAME: 20





HDD ENTRY - ENVIRONMENTAL LAYERS

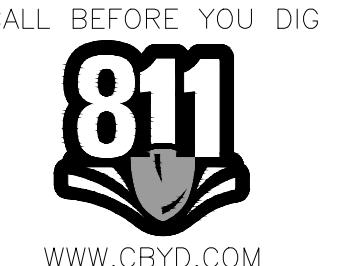
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HORIZONTAL SCALE: 1" = 20'

HDD ENTRY - EQUIPMENT WITHOUT ENVIRONMENTAL LAYERS

HDD EXIT

NOTES

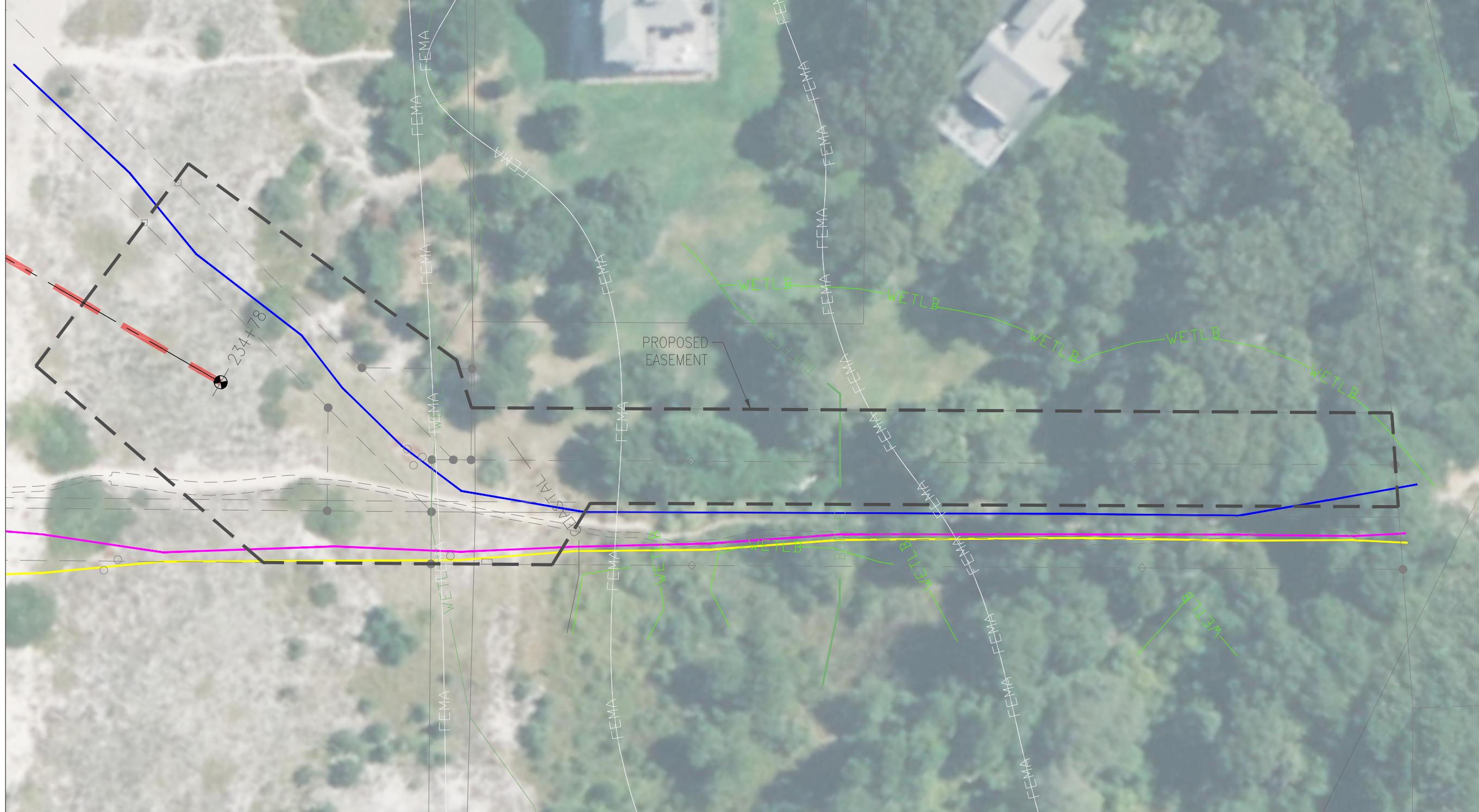
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No	DATE	ISSUED FOR PERMITTING	ASW	TPB	TPB	TPB
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		REVISION	BY	CHKD	ENGR	SUPV

EVERSOURCE

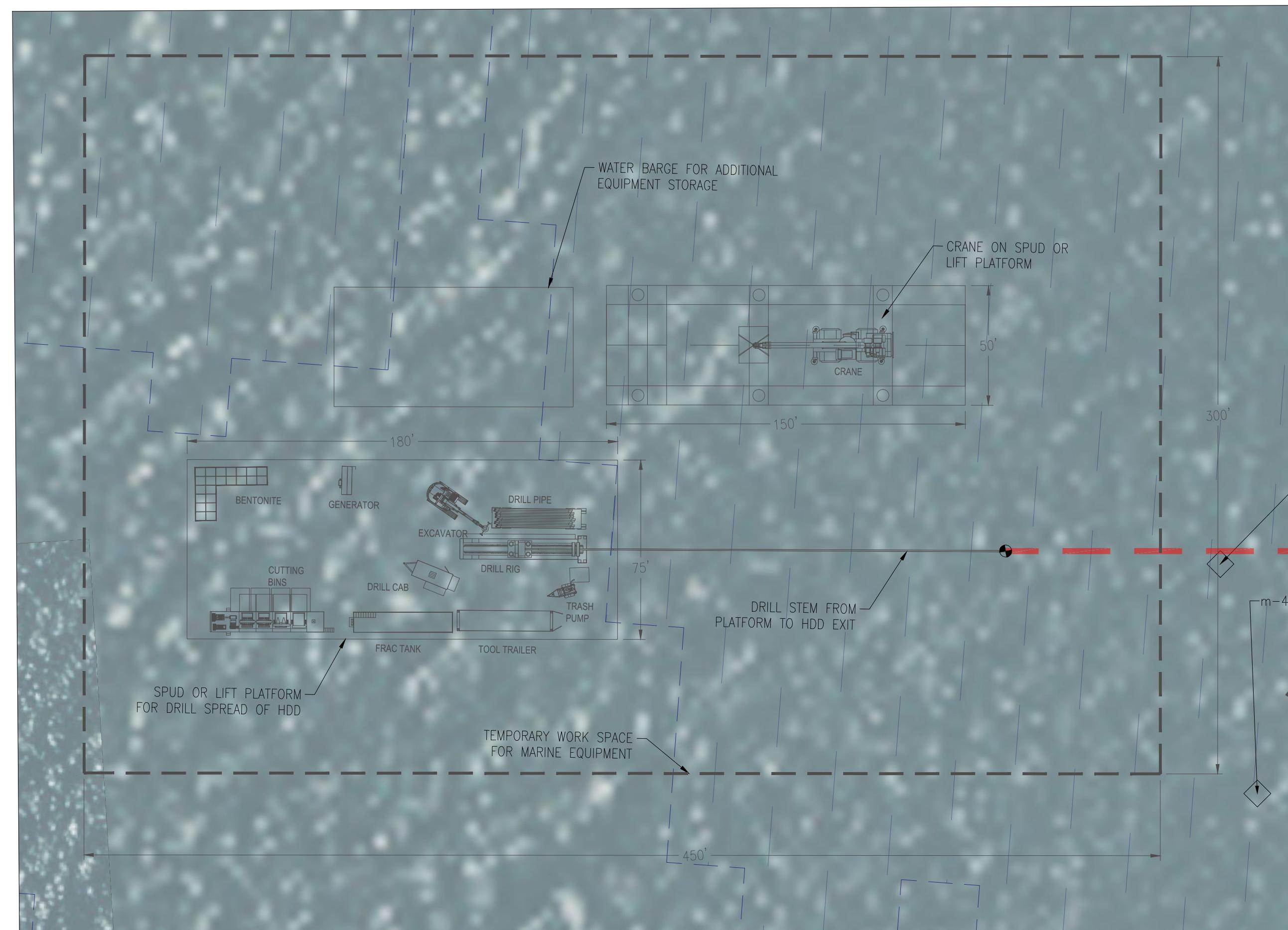
PROJ #	0235370_00	WORK #	WR7089330	DRAWN	LAS
CHECKED		DESIGN ENG	ASW	TPB	
DESIGN SUPV		DATE	2022-11-28	SCALE	AS NOTED
		HEET NAME	22	HEET	25



HDD ENTRY - ENVIRONMENTAL LAYERS



HDD ENTRY - EQUIPMENT WITHOUT ENVIRONMENTAL LAYERS



HDD EXIT

NOTES

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- VERTICAL LOCATION OF SUBSURFACE UTILITY LINES ARE BASED ON ASSUMED DEPTHS AND MAY VARY FROM THE ACTUAL VERTICAL LOCATIONS.
- ALL PROFILE VERTICAL CURVES ARE 400' RADIUS UNLESS OTHERWISE NOTED.
- EXISTING LINE 75 COMES TO SHORE VIA HDD AT BOTH LANDFALLS – CONTRACTOR TO EXERCISE CAUTION.
- EXISTING LINES #91 AND #97 COME TO SHORE DIRECT BURIED AT TISBURY LANDFALL – CONTRACTOR TO EXERCISE CAUTION.
- CONTRACTOR TO VERIFY SIZE AND LOCATION OF TARGETED ANOMALIES.



← TO STATION 933

PLAN VIEW

TISBURY LANDING →



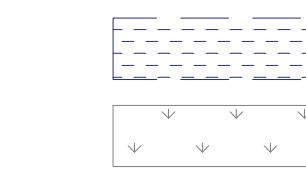
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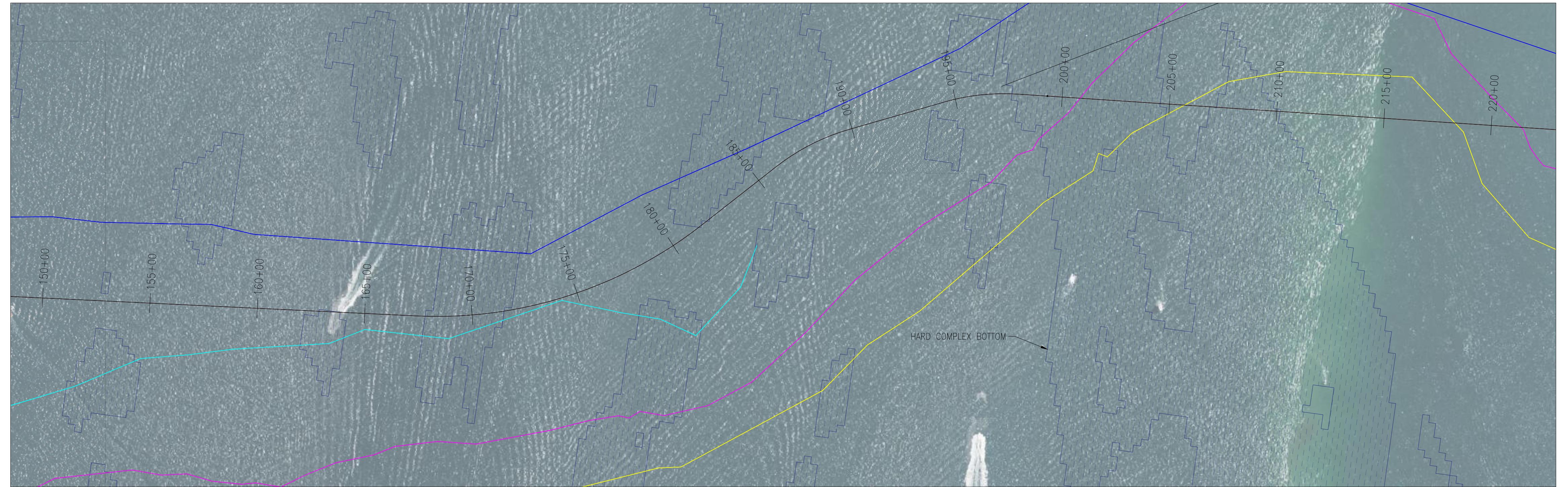
0 150 300 600 900 FEET
HORIZONTAL SCALE: 1" = 300'

ENVIRONMENTAL LAYERS PROVIDED BY EVERSOURCE 12-02-2022



HARD COMPLEX BOTTOM
EELGRASS

ELECTRIC LINE LEGEND
 PROPOSED 23KV SUBMARINE LINE #91B
 EXISTING NSTAR/COMCAST 75 LINE
 EXISTING 97 LINE
 EXISTING 91 LINE
 RETIRED 100 LINE



← TO STATION 933

PLAN VIEW

TISBURY LANDING →



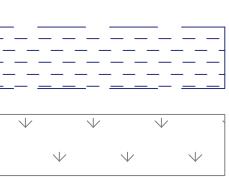
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