

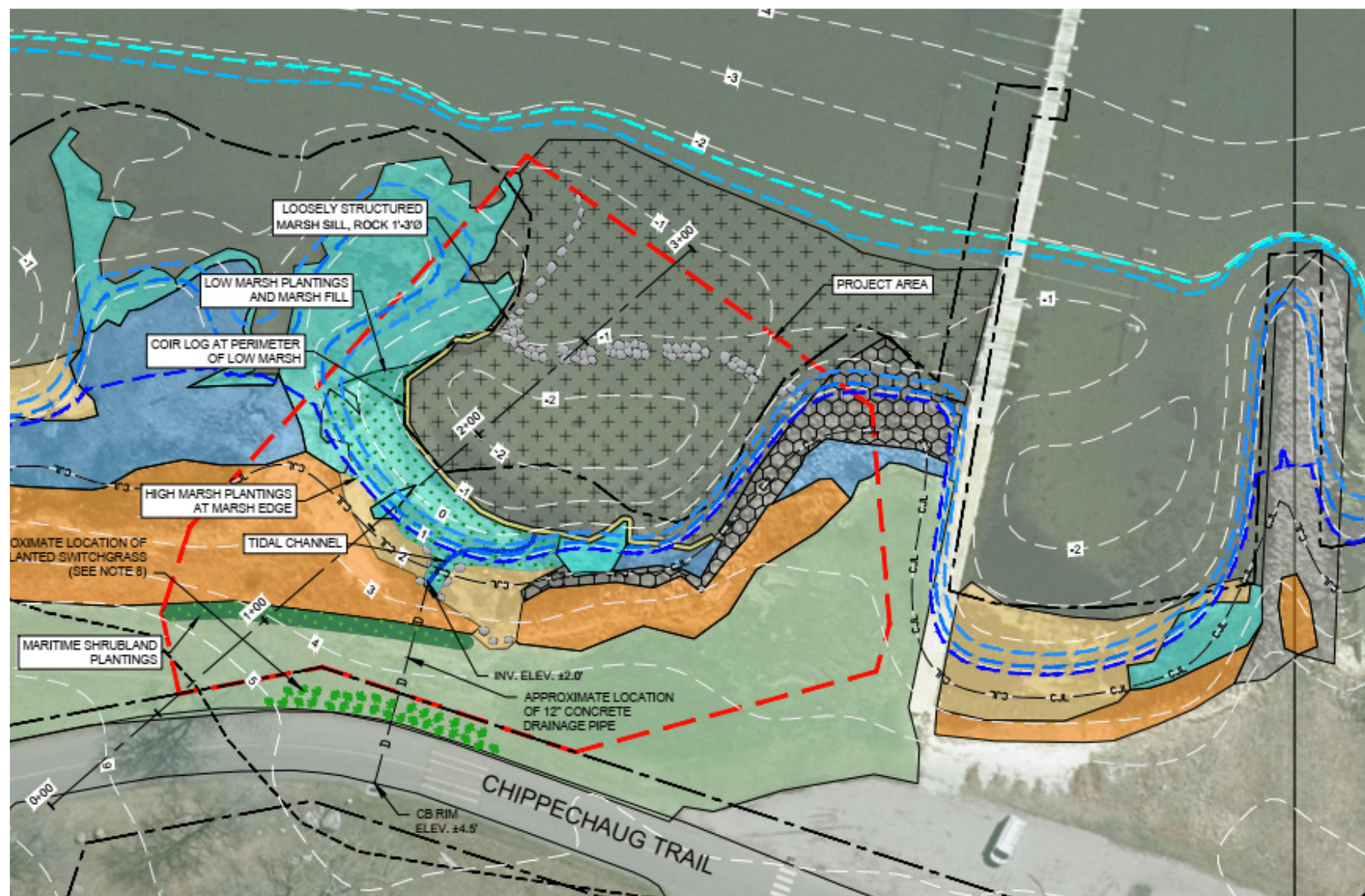
MIFD Shoreline Protection

Information Session May 22, 2024

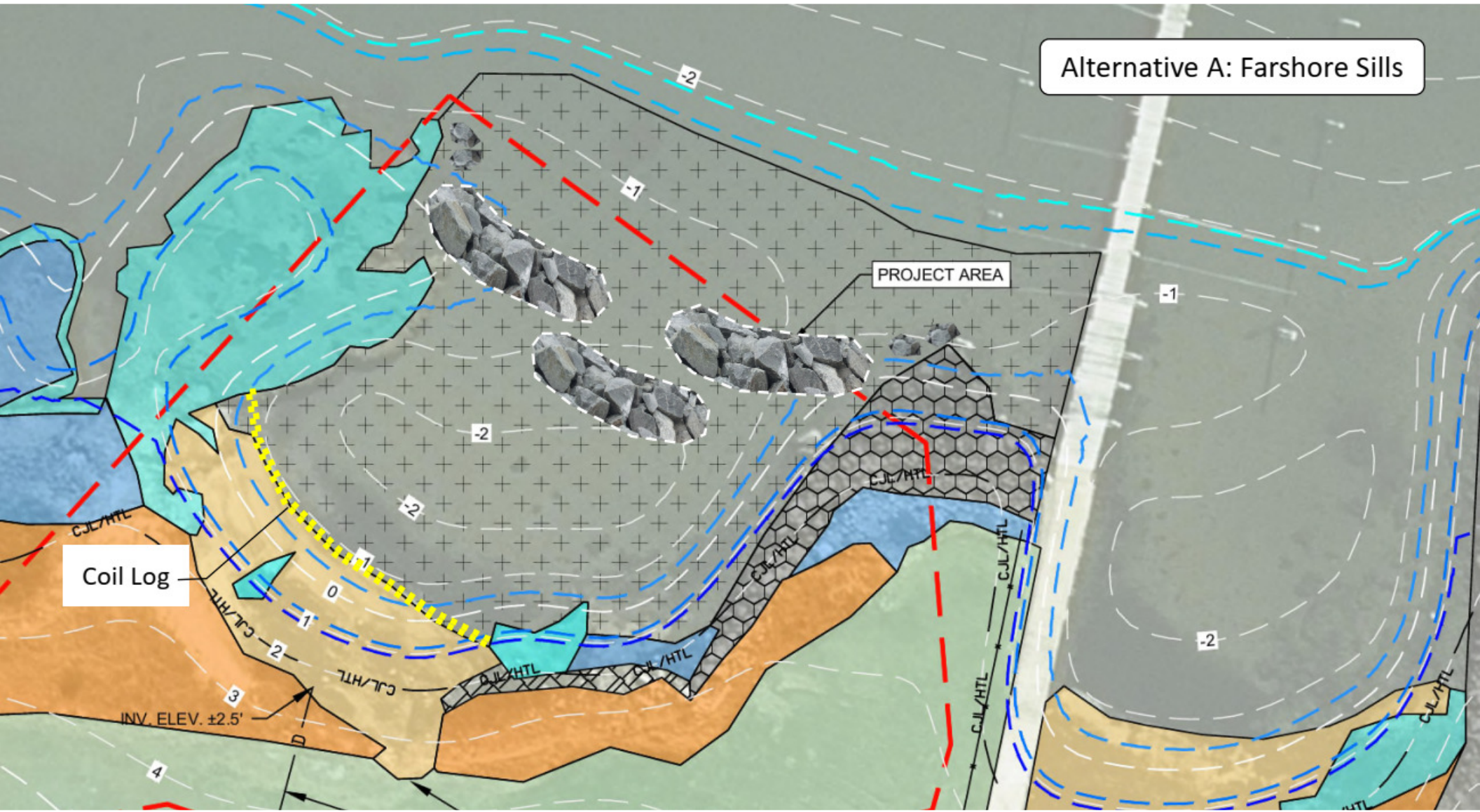


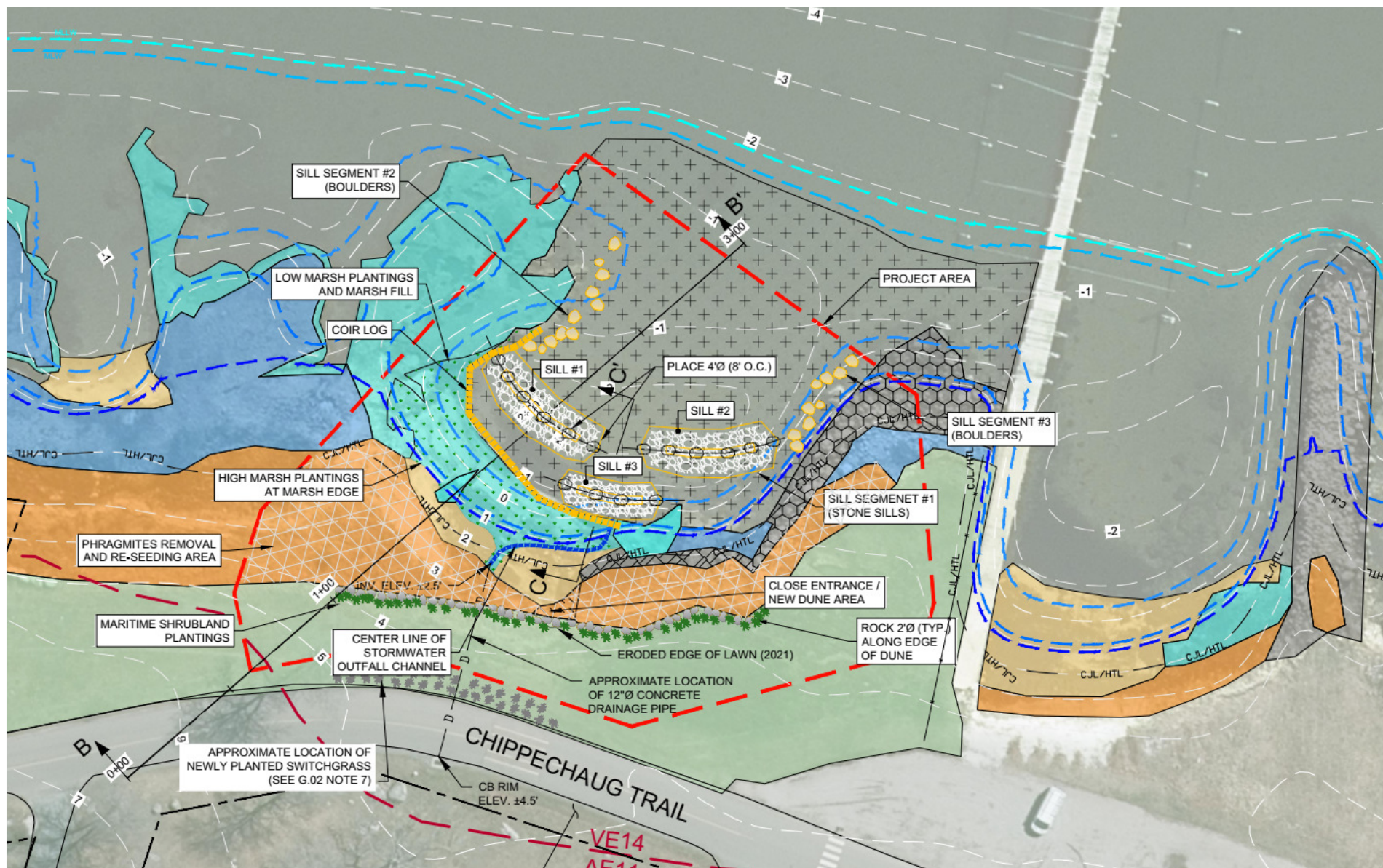




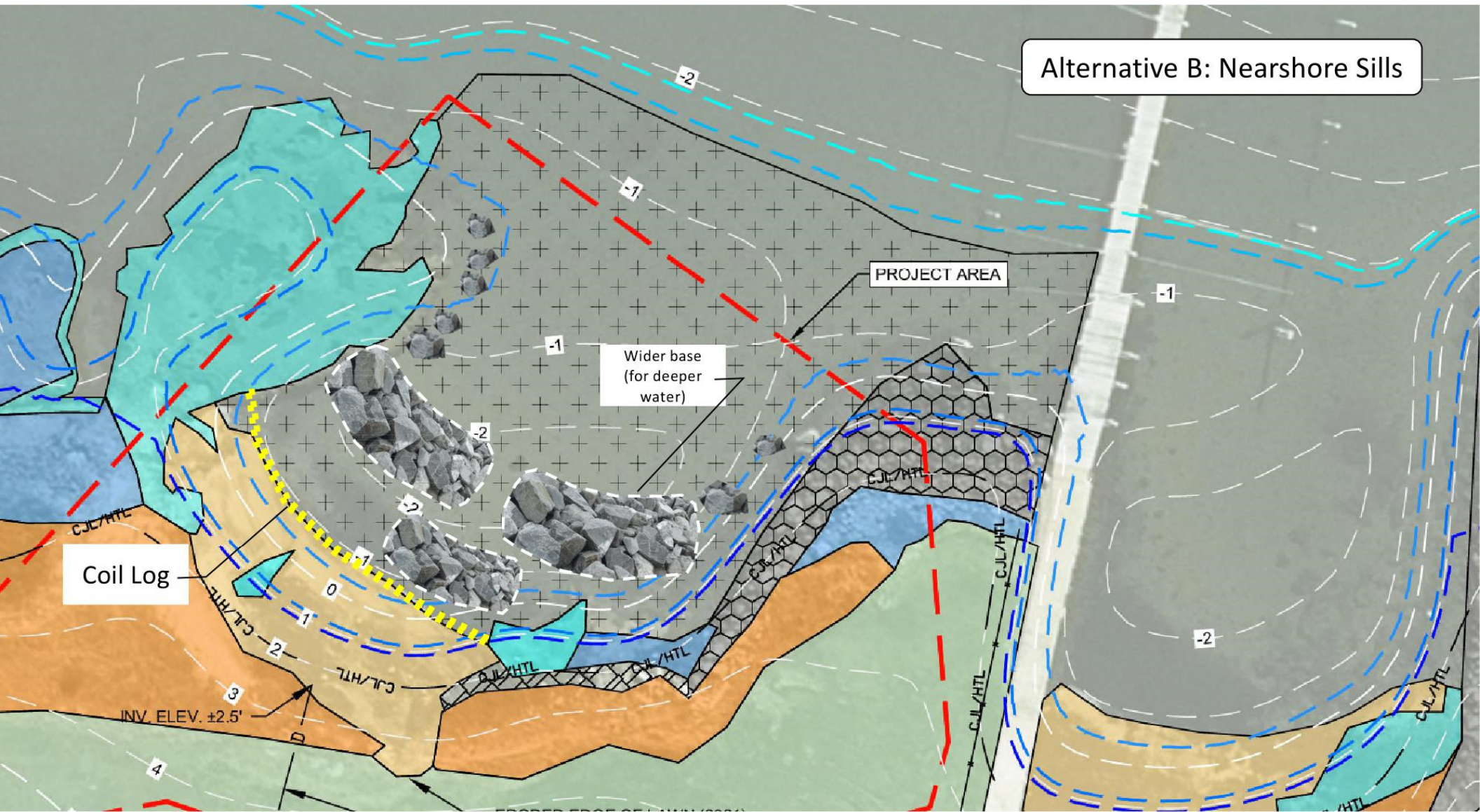


Alternative A: Farshore Sills

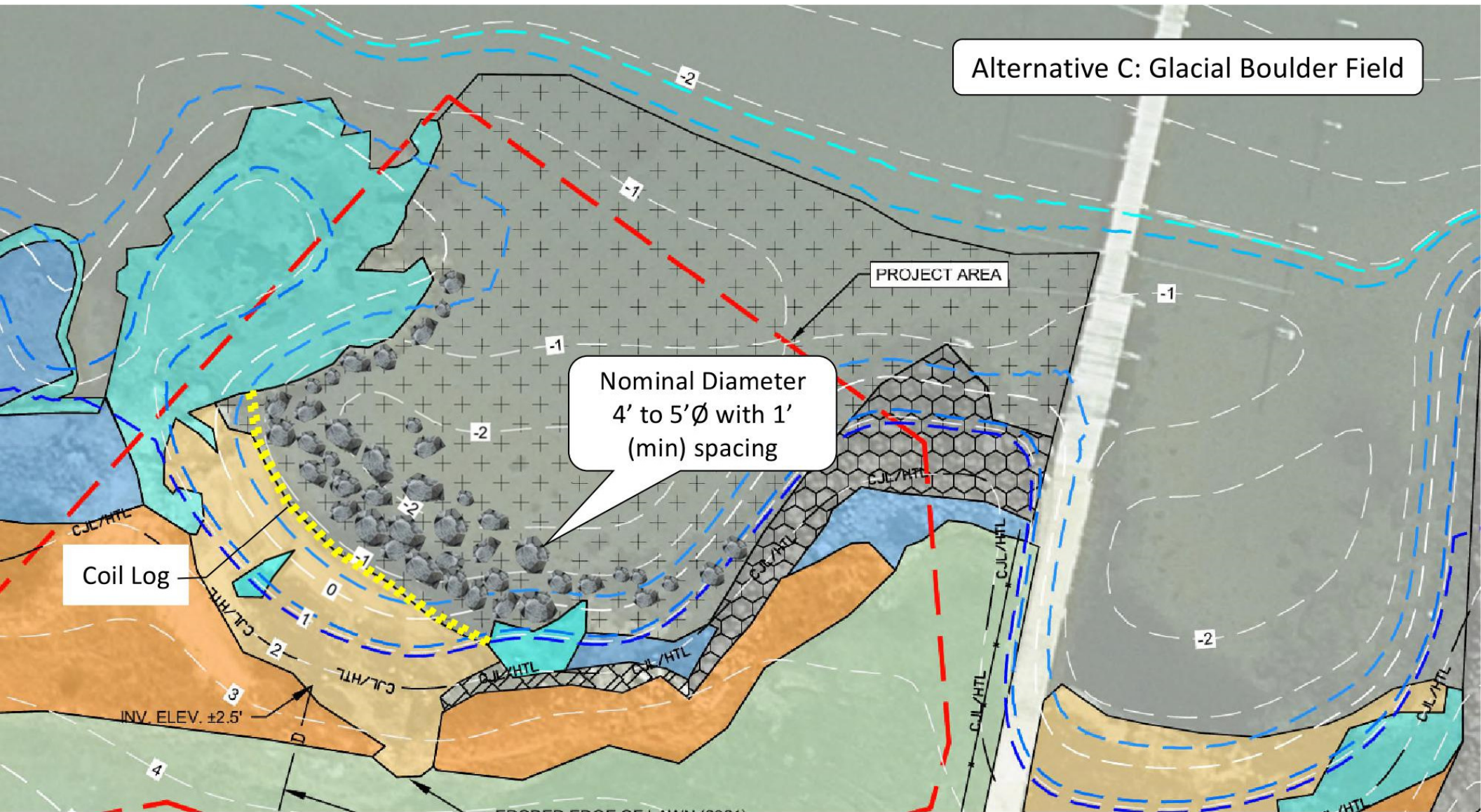




Alternative B: Nearshore Sills



Alternative C: Glacial Boulder Field



Preliminary Comparative Ranking of Living Shoreline Alternatives for Mason Island

Alternative	Meets Project Goals	Construction Cost	Permitting Effort	Construction Logistics	Construction Timeline	Barge Required	Adaptive Management / Maintenance	Marsh Creation Area
A - Farshore Sills	Yes	2	1	2	2	Potential	3	1
B - Nearshore Sills	Yes	1	2	1	1	No	2	2
C - Glacial Boulder Field	Yes	3	2	3	3	Yes	2	2

Table Ranking

1 – Good

2 – Fair

3 - Poor

Summary of Costs - Alternative A - Farshore Sills - Assumes work done from Land		
Materials & Products	\$	147,301
Installation Tasks	\$	177,179
General/Other	\$	207,477
Subtotal	\$	531,957
Contingency (15%)	\$	79,794
Total	\$	611,751

Summary of Costs - Alternative B - Nearshore Sills - Assumes work done from Land		
Materials & Products	\$	103,162
Installation Tasks	\$	142,725
General/Other	\$	181,679
Subtotal	\$	427,567
Contingency (15%)	\$	64,135
Total	\$	491,702

Summary of Costs - Alternative C - Boulder Fields		
Materials & Products	\$	96,754
Installation Tasks	\$	218,751
General/Other	\$	220,264
Subtotal	\$	535,769
Contingency (15%)	\$	80,365
Total	\$	616,134

MIFD Shoreline Road Protection Project's Major Costs May 2021 -2024

Timeline	Project Phases	Costs	MIFD Taxpayers	Grants	MIFD Taxpayers Paid
May 2021	Feasibility Study	\$26,000	\$30,000 Approved	0	\$26,000
May and June 2022	Concept Design Plans	\$34,966	\$35,000 Approved	National Fish & Wildlife Foundation Grant Award	0
May and October 2023	Permitting & Final Designs	\$75,000	\$50,000 Approved	National Fish & Wildlife Foundation increase amendment granted	0
Pending May 25, 2024 to May 23, 2025	Construction				
	Option 1	\$491,702	\$74,000 (15% match) plus 75% of In-Kind labor to plant = to \$21,000	National Coastal Resilience Fund 2024 Preproposal Application	TBD
	Option 2 Option 3	\$491,702	\$195,000 (50% match) with an In-Kind match = to \$21,000 or 75% of planting labor costs	Future grant applications where 50% match is required.	TBD
May 2025		\$491,702	TBD		TBD