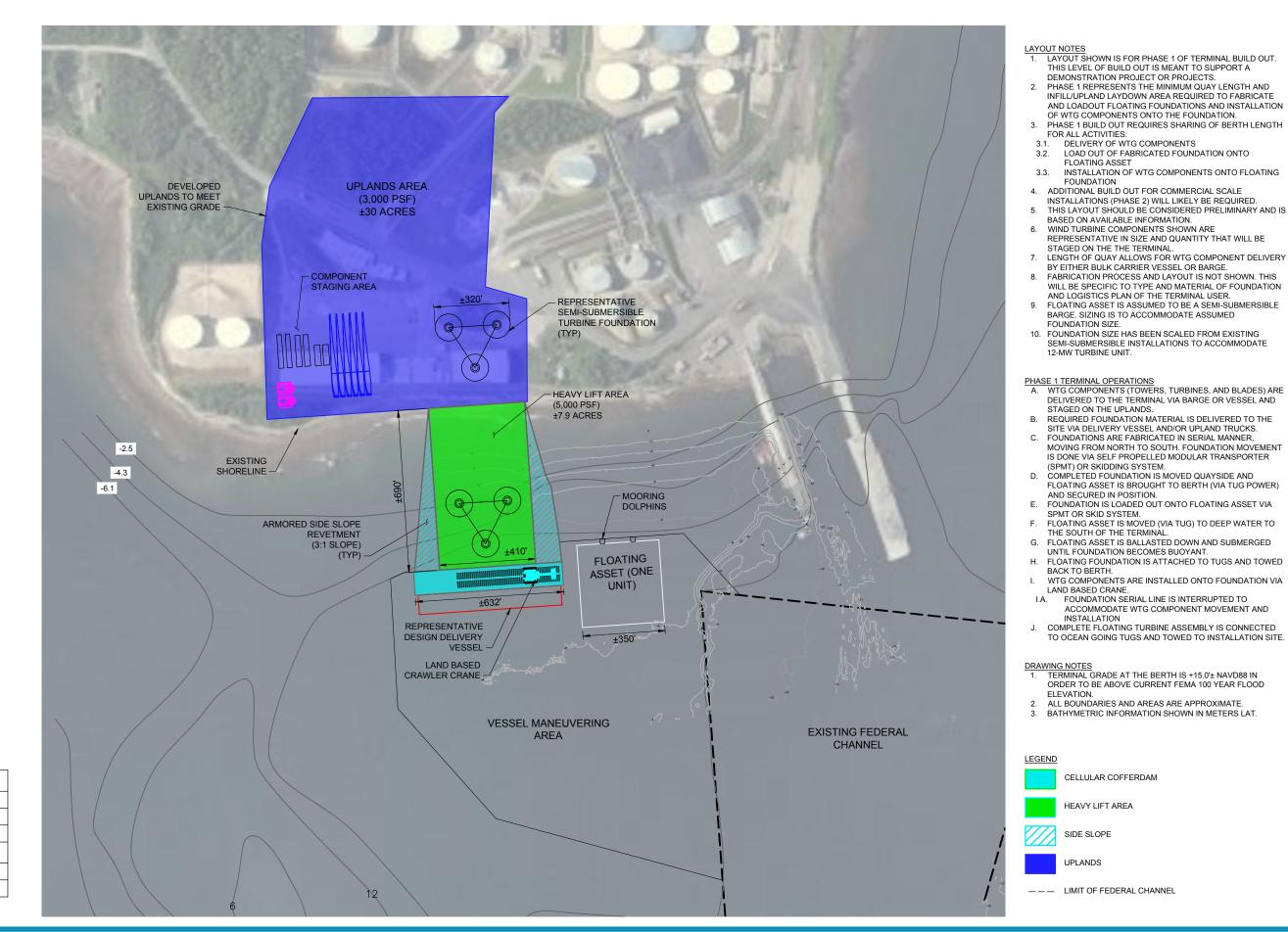
Appendix A – Conceptual Drawings



MainaDOT OFFSHORE WIND FEASIR	VOLITS VTLII

UNIT

CY

CY

CY

AC

TON

11-17-2021

IMPACT QUANTITIES

613,740

368,655

66,972

7.9

22,929



DREDGE

SLOPES AND

INFILL IMPORT

HEAVY LIFT AREA

ARMOR STONE



- 1. LAYOUT SHOWN IS FOR PHASE 2 OF TERMINAL BUILD OUT. THIS LEVEL OF BUILD OUT IS MEANT TO SUPPORT A FULL SCALE COMMERCIAL PROJECT.
- 2. PHASE 2 ALLOWS FOR SIMULTANEOUS ACTIVITIES AT THE
 - SERIAL PRODUCTION LINE AND FOUNDATION LOAD OUT

 - DELIVERY VESSEL BERTHING INSTALLATION OF WTG COMPONENTS ON FLOATING FOUNDATION AT BERTH
- 3. LENGTH OF BERTH AND SIZE OF INFILL AND UPLANDS AREA ARE MEANT TO SUPPORT ACTIVITIES MENTIONED ABOVE.
 THESE ELEMENTS CAN BE ADJUSTED BASED ON FINANCIAL CONSTRAINTS AND/OR OPERATIONAL NEEDS.
- 4. THIS LAYOUT SHOULD BE CONSIDERED PRELIMINARY AND IS
- BASED ON AVAILABLE INFORMATION.
 5. WIND TURBINE COMPONENTS SHOWN ARE REPRESENTATIVE IN SIZE AND QUANTITY THAT WILL BE STAGED ON THE THE TERMINAL
- LENGTH OF QUAY ALLOWS FOR WTG COMPONENT DELIVERY BY EITHER BULK CARRIER VESSEL OR BARGE.
- 7. FABRICATION PROCESS AND LAYOUT IS NOT SHOWN. THIS WILL BE SPECIFIC TO TYPE AND MATERIAL OF FOUNDATION AND LOGISTICS PLAN OF THE TERMINAL USER.
- 8. FLOATING ASSET IS ASSUMED TO BE A SEMI-SUBMERSIBLE BARGE. SIZING IS TO ACCOMMODATE ASSUMED
- 9. FOUNDATION SIZE HAS BEEN SCALED FROM EXISTING SEMI-SUBMERSIBLE INSTALLATIONS TO ACCOMMODATE 12-MW TURBINE UNIT.

PHASE 2 TERMINAL OPERATIONS

- A. WTG COMPONENTS (TOWERS, TURBINES, AND BLADES) ARE DELIVERED TO THE TERMINAL VIA BARGE OR VESSEL AND STAGED ON THE UPLANDS.
- B. REQUIRED FOUNDATION MATERIAL IS DELIVERED TO THE SITE VIA DELIVERY VESSEL AND/OR UPLAND TRUCKS.
- C. FOUNDATIONS ARE FABRICATED IN SERIAL MANNER, MOVING FROM NORTH TO SOUTH. FOUNDATION MOVEMENT IS DONE VIA SELF PROPELLED MODULAR TRANSPORTER (SPMT) OR SKIDDING SYSTEM.
- COMPLETED FOUNDATION IS MOVED QUAYSIDE.
- E. FOUNDATION IS LOADED OUT ONTO FLOATING ASSET VIA SPMT OR SKID SYSTEM.
- FLOATING ASSET IS MOVED (VIA TUG) TO DEEP WATER TO THE SOUTHEAST OF THE TERMINAL.
- G. FLOATING ASSET IS BALLASTED DOWN AND SUBMERGED UNTIL FOUNDATION BECOMES BUOYANT.
- H. FLOATING FOUNDATION IS ATTACHED TO TUGS AND TOWED
- WTG COMPONENTS ARE INSTALLED ONTO FOUNDATION VIA LAND BASED CRANE.
- J. COMPLETE FLOATING TURBINE ASSEMBLY IS CONNECTED TO OCEAN GOING TUGS AND TOWED TO INSTALLATION SITE.

- 1. TERMINAL GRADE AT THE BERTH IS +15.0'± NAVD88 IN ORDER TO BE ABOVE CURRENT FEMA 100 YEAR FLOOD ELEVATION.
- ALL BOUNDARIES AND AREAS ARE APPROXIMATE.
- 3. BATHYMETRIC INFORMATION SHOWN IN METERS LAT.



CELLULAR COFFERDAM



HEAVY LIFT AREA



SIDE SLOPE UPLANDS



— — LIMIT OF FEDERAL CHANNEL

MaineDOT OFFSHORE WIND FEASIBILITY STUDY

UNIT

CY

CY

AC

TON

IMPACT QUANTITIES

848,139 1,029,396

181,257

22,019



DREDGE

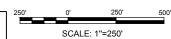
SLOPES AND

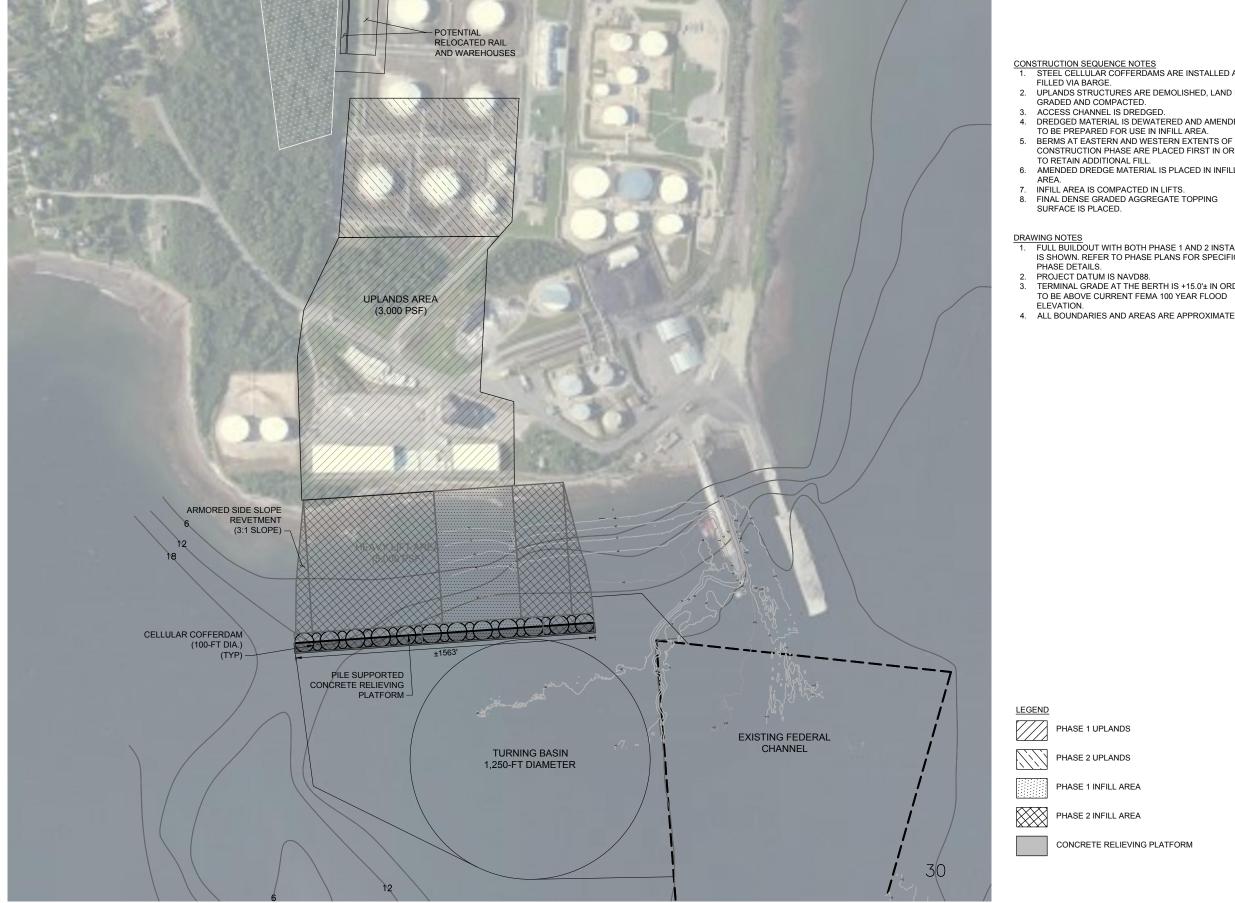
INFILL IMPORT

HEAVY LIFT AREA

ARMOR STONE

CONCEPTUAL DRAWING NOT TO BE USED FOR CONSTRUCTION





- CONSTRUCTION SEQUENCE NOTES

 1. STEEL CELLULAR COFFERDAMS ARE INSTALLED AND FILLED VIA BARGE.
- UPLANDS STRUCTURES ARE DEMOLISHED, LAND IS GRADED AND COMPACTED.
- ACCESS CHANNEL IS DREDGED.
 DREDGED MATERIAL IS DEWATERED AND AMENDED
 TO BE PREPARED FOR USE IN INFILL AREA.
- CONSTRUCTION PHASE ARE PLACED FIRST IN ORDER TO RETAIN ADDITIONAL FILL.

 6. AMENDED DREDGE MATERIAL IS PLACED IN INFILL

- 7. INFILL AREA IS COMPACTED IN LIFTS.
 8. FINAL DENSE GRADED AGGREGATE TOPPING SURFACE IS PLACED.

- DRAWING NOTES

 1. FULL BUILDOUT WITH BOTH PHASE 1 AND 2 INSTALLED IS SHOWN. REFER TO PHASE PLANS FOR SPECIFIC PHASE DETAILS.
- PROJECT DATUM IS NAVD88. TERMINAL GRADE AT THE BERTH IS +15.0'± IN ORDER TO BE ABOVE CURRENT FEMA 100 YEAR FLOOD
- 4. ALL BOUNDARIES AND AREAS ARE APPROXIMATE.

LEGEND

PHASE 1 UPLANDS



PHASE 2 UPLANDS



PHASE 1 INFILL AREA



PHASE 2 INFILL AREA

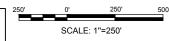


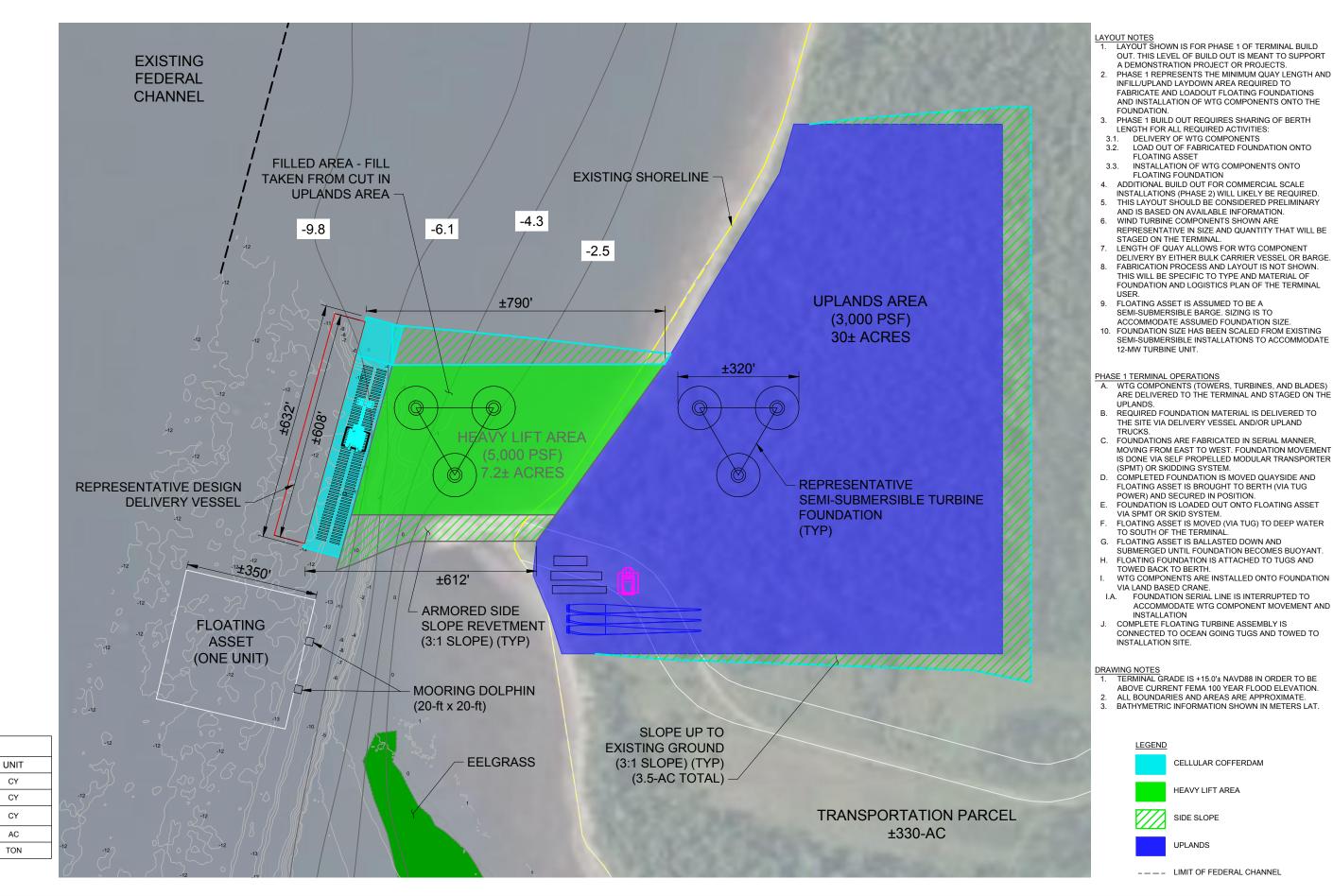
CONCRETE RELIEVING PLATFORM

MaineDOT OFFSHORE WIND FEASIBILITY STUDY



CONCEPTUAL DRAWING NOT TO BE USED FOR CONSTRUCTION







IMPACT QUANTITIES

314.554

7.2

25.884

DREDGE

INFILL

SLOPES AND

INFILL IMPORT

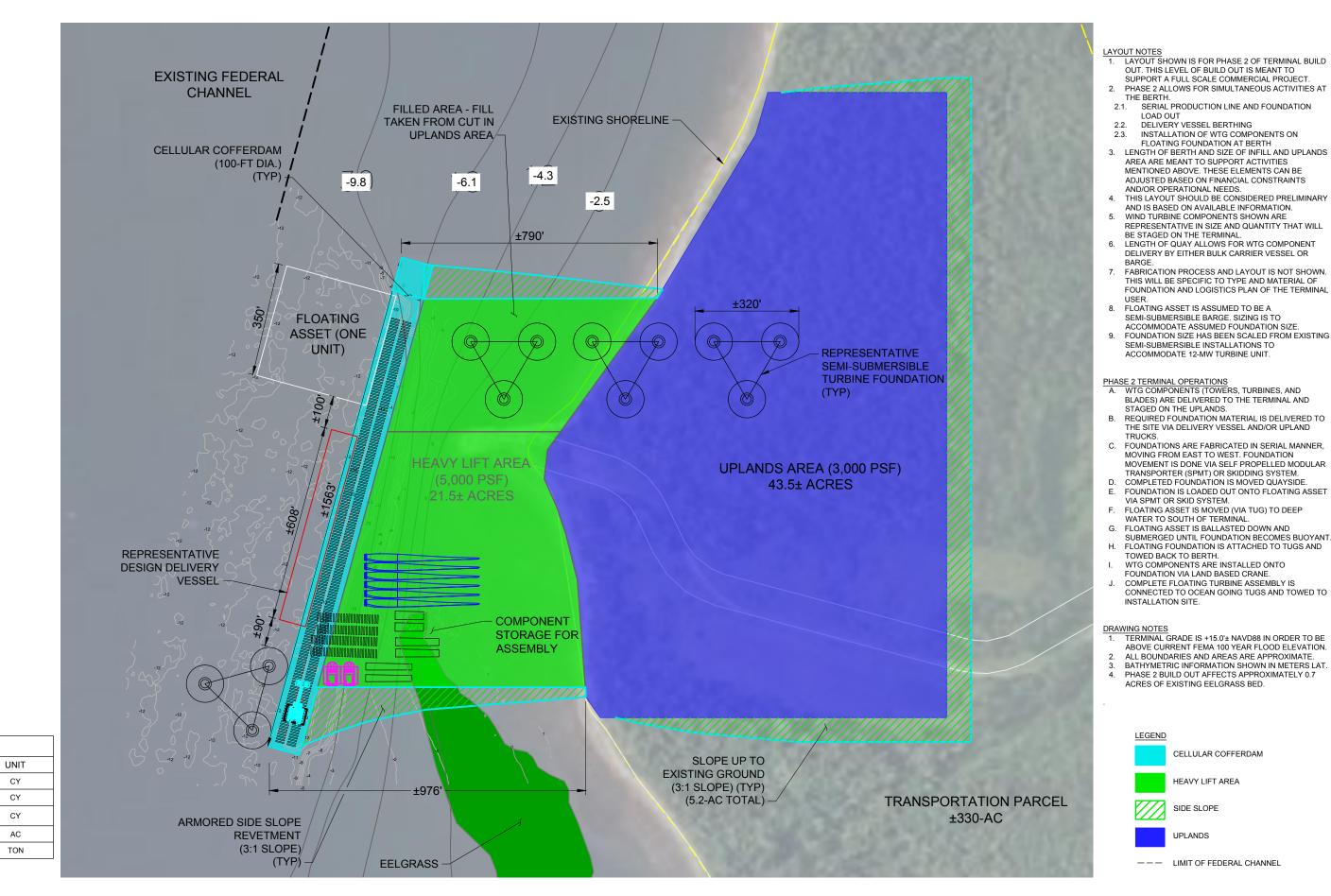
HEAVY LIFT AREA

ARMOR STONE

CONCEPTUAL DRAWING
NOT TO BE USED FOR CONSTRUCTION

20' 0' 120' SCALE: 1"=120'

240'



11-17-2021 | SEARS ISLAND - FLOATING OSW OPERATIONAL PLAN - PHASE 2



IMPACT QUANTITIES

817.797

64,731

21.5

33.938

DREDGE

INFILL

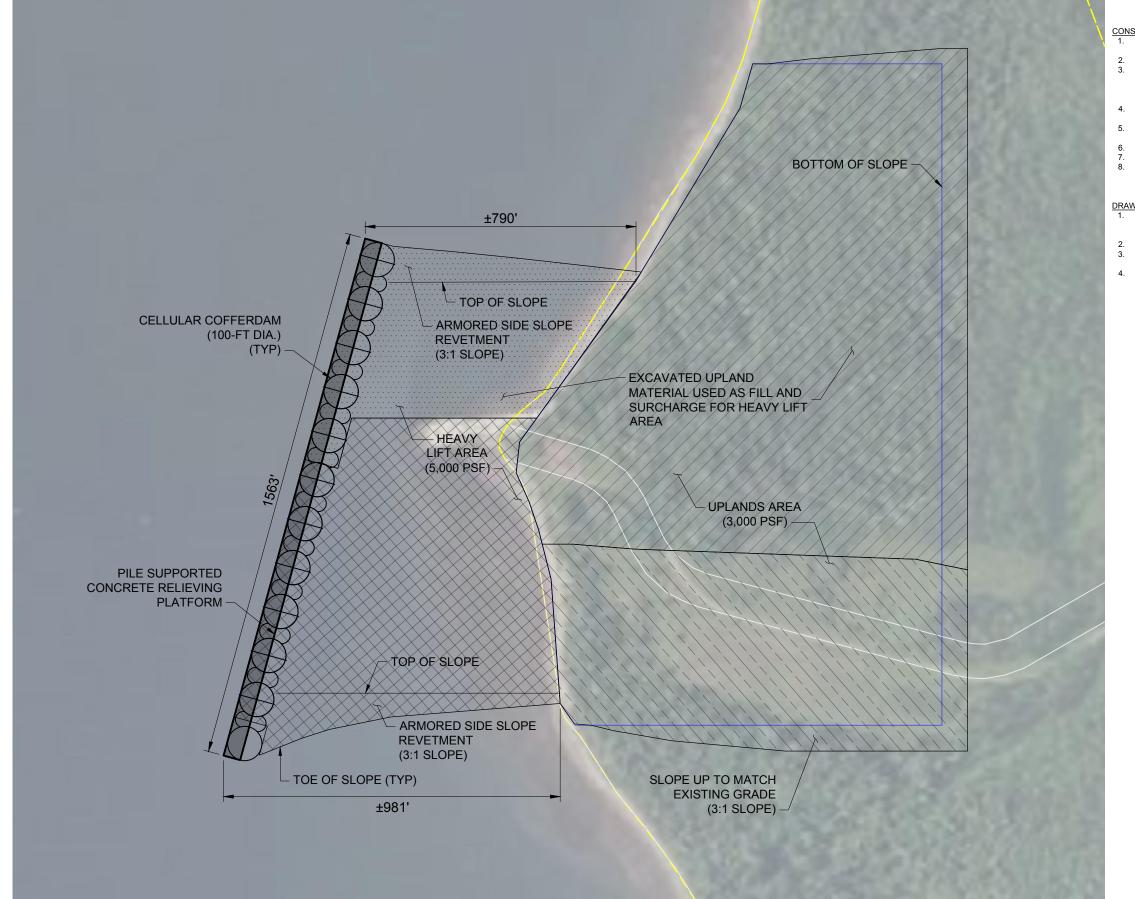
SLOPES AND

INFILL IMPORT

HEAVY LIFT AREA

ARMOR STONE

CONCEPTUAL DRAWING NOT TO BE USED FOR CONSTRUCTION SCALE: 1"=140'



CONSTRUCTION SEQUENCE NOTES

1. STEEL CELLULAR COFFERDAMS ARE INSTALLED AND FILLED VIA BARGE.

2. UPLANDS AREA IS CLEARED.

3. UPLANDS CUT IS EXCAVATED AND PLACED IN INFILL AREA. BERMS AT NORTHERN AND SOUTHERN EXTENT OF CONSTRUCTION ARE PLACED FIRST IN ORDER TO RETAIN ADDITIONAL FILL.

4. EXCAVATED CUT MATERIAL IS PLACED IN REMAINING INFILL AREA AND SIDE SLOPES ARE ARMORED.

5. WICK DRAINS ARE INSTALLED AND SOIL SURCHARGE IS PLACED ON TOP OF INFILL AREA.

6. UPLANDS AREA IS GRADED AND PREPARED.

 SOIL SURCHARGE IS REMOVED.
 FINAL DENSE GRADED AGGREGATE TOPPING SURFACE IS PLACED.

DRAWING NOTES 1. FULL BUILDOUT WITH BOTH PHASE 1 AND 2 INSTALLED

IS SHOWN. SEE PHASING PLANS FOR SPECIFIC PHASE DETAILS.
2. PROJECT DATUM IS NAVD88.

3. TERMINAL GRADE IS +15.0'± IN ORDER TO BE ABOVE CURRENT FEMA 100 YEAR FLOOD ELEVATION.

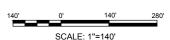
4. ALL BOUNDARIES AND AREAS ARE APPROXIMATE.

MaineDOT OFFSHORE WIND FEASIBILITY STUDY

11-17-2021



CONCEPTUAL DRAWING NOT TO BE USED FOR CONSTRUCTION



PHASE 1 UPLANDS

PHASE 2 UPLANDS

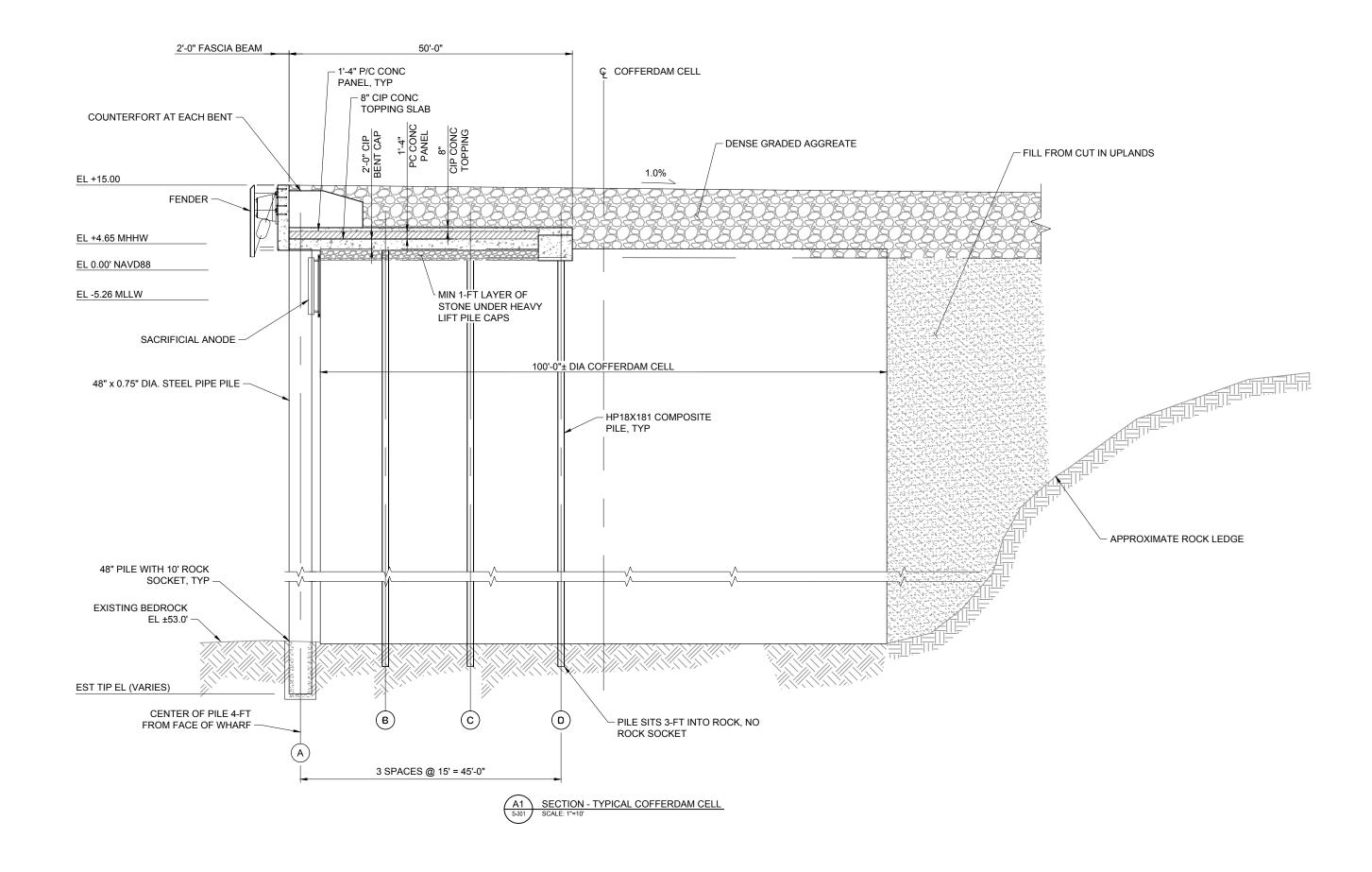
PHASE 1 INFILL AREA

CONCRETE RELIEVING PLATFORM

PHASE 2 INFILL AREA

LEGEND

SCALE: 1"=140'





- 1. ELEVATIONS ARE IN NAVD88.
- COFFERDAM SECTION IS SHOWN FOR SEARS ISLAND. MACK POINT HAS A SIMILAR SECTION.

