POPHAM BEACH SHORELINE RESTORATION
CONCEPTUAL DESIGN OPTIONS
POPHAM BEACH, PHIPPSBURG, MAINE

NOTES
1. THESE ARE CONCEPTUAL DESIGN SHEETS AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
OPTION 1:
DO NOT TRY TO ERODE BEACH AND DUNES.

CONCEPTUAL DESIGN OPTIONS
POPHAM BEACH SHORELINE RESTORATION
POPHAM BEACH, PHIPPSBURG, MAINE

CONCEPTUAL OPTION 1

NOTES:

SCALE: 1" = 10'
CONCEPTUAL DESIGN OPTIONS
POPHAM BEACH SHORELINE RESTORATION
POPHAM BEACH, PHIPPSBURG, MAINE

DATE: 26 SEPT 2017
CHECKED BY: JCB, TPB
DESIGNED BY: JCB, TPB

SHEET NUMBER: SHEET ID:

SHEET TITLE: PROJECT NAME:
PROJECT LOCATION:

CONCEPTUAL OPTION 2

PROFILE HERE TAKEN FROM CROSS SECTION AT 10:40:
SECTION B, ALONG VERTICAL ELEVATION:
GROUND SURVEY DATA FROM FIELD SURVEY, AERIAL DATA

SCALE: 1" = 10'

NOTES:

INITIAL TEMPORARY HINGE藥 FORMED AT THE FRONT OF THE EXISTING SLOPE

APPROXIMATE NEW WATER:
NEW WATER, 3.5' HIGHER

CURRENT WATER:

CURRENT SURFACE MANAGEMENT:
INFRONTAL AREA

INTERVIEW ONLY SHELLED MANAGEMENT AND
STAGED TEMPORARY TRENCH (E.G. SNOW
FILLING) AT THE FRONT OF THE EXISTING
SLOPE BEFORE FURTHER INVESTMENTS, UNTIL
LOOK OF PAID IN MANHOLE AND THEN
IMPLEMENT SIMILAR LAYERED MEASURES SELECTED
FROM OTHER OPTIONS.
CONCEPTUAL DESIGN OPTIONS
POPHAM BEACH SHORELINE RESTORATION
POPHAM BEACH, PHIPPSBURG, MAINE

PROFILE HERE TAKEN FROM CROSS SECTION AT
0'-0" SECTION AND ALL VERTICAL ELEVATIONS.
GROUND TO REFLECT DATA FROM ROAD SURVEY, FIELD
SURVEY, AND LEAF DATA.

TOTAL EROSION DEPPICTED
INSTALLING TWO GROIN ROCK BAGS
AT THE FRONT OF THE EXISTING DUNE

INCLINED DRAINS MANAGEMENT
IN EVENTUAL DUNE

APPROXIMATE MEAN HIGH
MEAN HIGH, 3.5 N.O.U.

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SHEET NUMBER: SHEET ID:
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REVISION #:
CONCEPTUAL DESIGN OPTIONS

POPHAM BEACH SHORELINE RESTORATION

POPHAM BEACH, PHIPPSBURG, MAINE

PROFILE HERE TAKEN FROM CROSS SECTION AT
10'X10' SECTION AND AT VERTICAL EXCAVATION.
GROUND REFLECT DATA FROM ROAD SURVEY, FIELD
SURVEY, AND LIDAR DATA.

INSTALL TIED TEMPORARY
REINFORCEMENT BEAMS AT
THE FRONT OF THE EXISTING DUNE

APPROXIMATE HIGH NEW
NEW WATER LEVEL: 3 FT

PREDICTED BEACH PROSION

NOTE: SCALE: 1" = 10'

DATE: 26 SEPT 2017
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DESIGNED BY: JCB, TPB
OPT 4A

CONCEPTUAL DESIGN OPTIONS
POPHAM BEACH SHORELINE RESTORATION, MAINE

IN ACCORDANCE TO SEASIDE MANAGEMENT AND
FENCING, INSTALL CORR SLIPPERS AT FRONT
SIDE OF CORR WALL STRUCTURE AND DESIGN
SEGMENT MATERIAL BEHIND PILLARS TO THE
OF ROAD SIDE, PLANT WITH NATIVE SHORES
AND BEACH GRASSES.

SCALE: 1" = 10'
COGNITIVE OPTION 5

CONCEPTUAL DESIGN OPTIONS

POPHAM BEACH, PHIPPSBURG, MAINE

PROJECT NAME:

PROJECT LOCATION:

CONCEPTUAL DESIGN OPTIONS

POPHAM BEACH SHORELINE RESTORATION

R EVISION #:

DATE:

NOTES:

SCALE: 1" = 10'
**OPTION 6**

Until the original scarp reaches 15', from the road, conduct flagged management and fencing, remove as in Option 2. Then install 2' stone just removed of excessive scarp at road. Excavate from road shoulder to install 2' BMP Trial using larger diameter stone, creating a grass with a 1:1/2:1 slope.

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**DATE:** 26 SEPT 2017

**CHECKED BY:** JCB, TPB

**DESIGNED BY:** JCB

**SHEET NUMBER:** SHEET 1

**SHEET TITLE:** SHEET SET

**PROJECT NAME:** POOPHAM BEACH, PHIPPSBURG, MAINE

**PROJECT LOCATION:** CONCEPTUAL DESIGN OPTIONS POOPHAM BEACH SHORELINE RESTORATION

**REV:** A

**SCALE:** 1" = 10'

**NOTES:**

- Excavate from top of scarp to install 2' BMP.
- Grass and fence back up.
- Profile taken from cross section.
- Survey data from GPS.
- Depth and width.

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**CONCEPTUAL OPTION 6**

POOPHAM BEACH SHORELINE RESTORATION

POOPHAM BEACH, PHIPPSBURG, MAINE