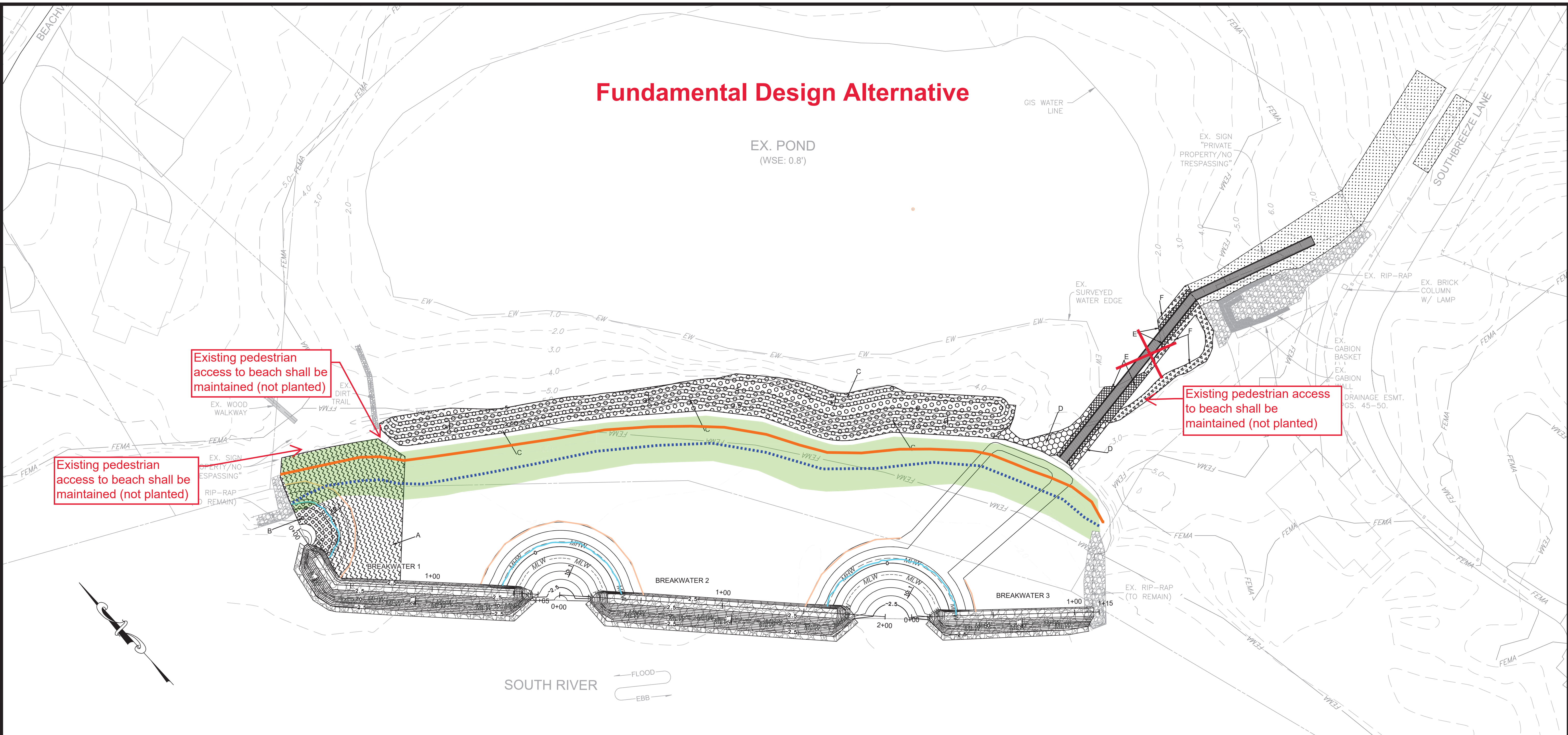


# Fundamental Design Alternative



Southbreeze Community Shoreline Stabilization  
30% Design Plan  
Anne Arundel County, MD



REVISIONS	
No.	Description

Horizontal Datum: NAD 83  
Vertical Datum: NAVD 88  
Boundary and Topo Source: WSSI & Anne Arundel County Data

Design	Draft	Approved
IHB	MCJ	IHB

Sheet #  
4 of 9

Computer File Name:  
L:\Maryland Projects\MXD2006\MXD2010\MXD2148\482\CADD\484-ENR-30-PLANTING.PLAN.dwg

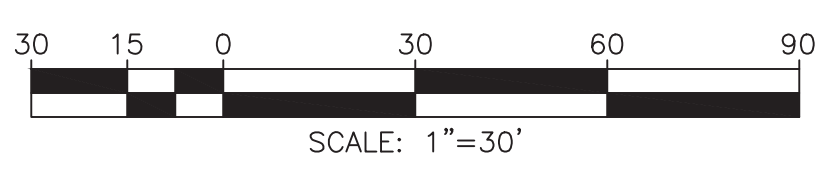
**Wetland**  
a **DAVEY** company  
1131 Benfield Boulevard • Suite L  
Millersville, Maryland 21108  
Phone: 410-672-5990 • Fax: 410-672-5993  
www.wetlands.com

Copyright © 2023 Wetland Studies and Solutions, Inc.

PLANTING AREAS	
	ZONE A
	ZONE B
	ZONE C
	ZONE D
	ZONE E
	ZONE F
	TURFGRASS SEEDING

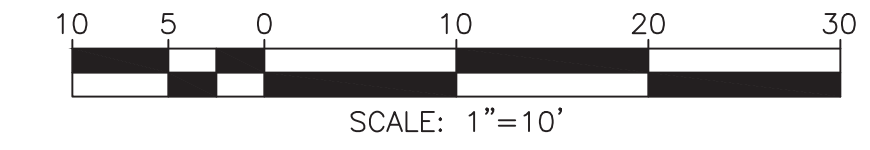
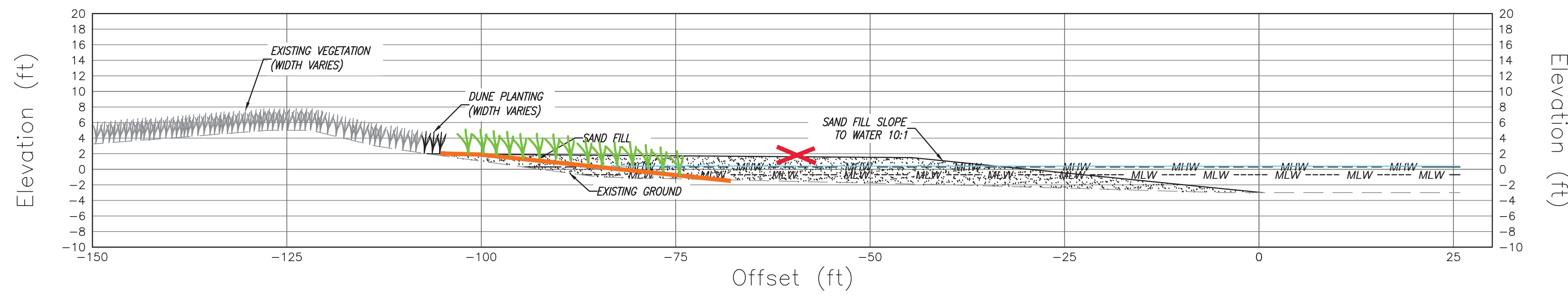
LEGEND	
	PROPERTY BOUNDARIES
	EASEMENT BOUNDARIES
	EXISTING INFRASTRUCTURE
	350 EXISTING CONTOURS (1.0')
	MHW EXISTING MEAN HIGH WATER LINE (0.3' EL.)
	MLW EXISTING MEAN LOW WATER LINE (-0.7' EL.)
	EW EX. POND EDGE OF WATER
	FEMA FEMA FLOODPLAIN
	PROPOSED GRADING (0.5')
	MHW PROPOSED MEAN HIGH WATER LINE (0.3' EL.)
	MLW PROPOSED MEAN LOW WATER LINE (-0.7' EL.)
	PROPOSED SAND FILL
	PROPOSED BREAKWATER
	PROPOSED BOARDWALK

Legend	
	Fundamental 1.5' Elevation
	Fundamental MHW
	Fundamental Planting (optional)
	Enhanced 1.5' Elevation
	Enhanced MHW

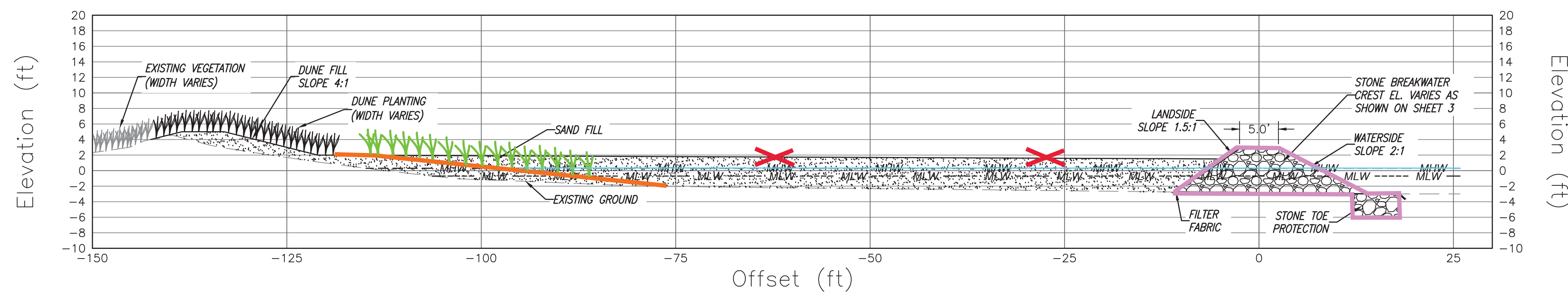


# Fundamental Design Alternative

SECTION A-A': TYPICAL BREAKWATER OPENING  
SCALE: 1" = 10'



SECTION B-B': TYPICAL BREAKWATER  
SCALE: 1" = 10'



**Legend**

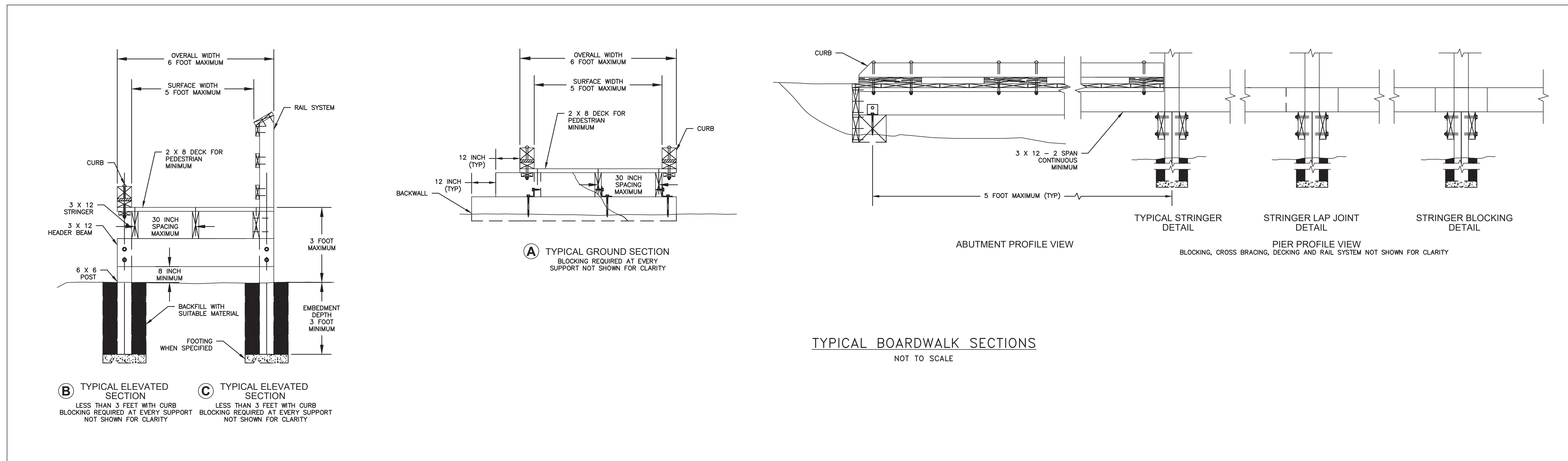
- MHW (0.3' Elevation)
- Fundamental Sand Profile
- Fundamental Planting (optional)
- Breakwaters

**Wetland**  
a **DAVEY** company  
1131 Benfield Boulevard • Suite L  
Millersville, Maryland 21108  
Phone: 410-672-5990 • Fax: 410-672-5993  
www.wetlands.com

Southbreeze Community Shoreline Stabilization  
30% Design Plan  
Anne Arundel County, MD

Typical Sections

Copyright © 2023 Wetland Studies and Solutions, Inc.



FROM: USDA FOREST SERVICE STANDARD TRAIL PLANS AND DETAILS

REVISIONS		App. By	Rev. By
No.	Date	Description	

DATE: OCTOBER, 2023  
SCALE: AS NOTED

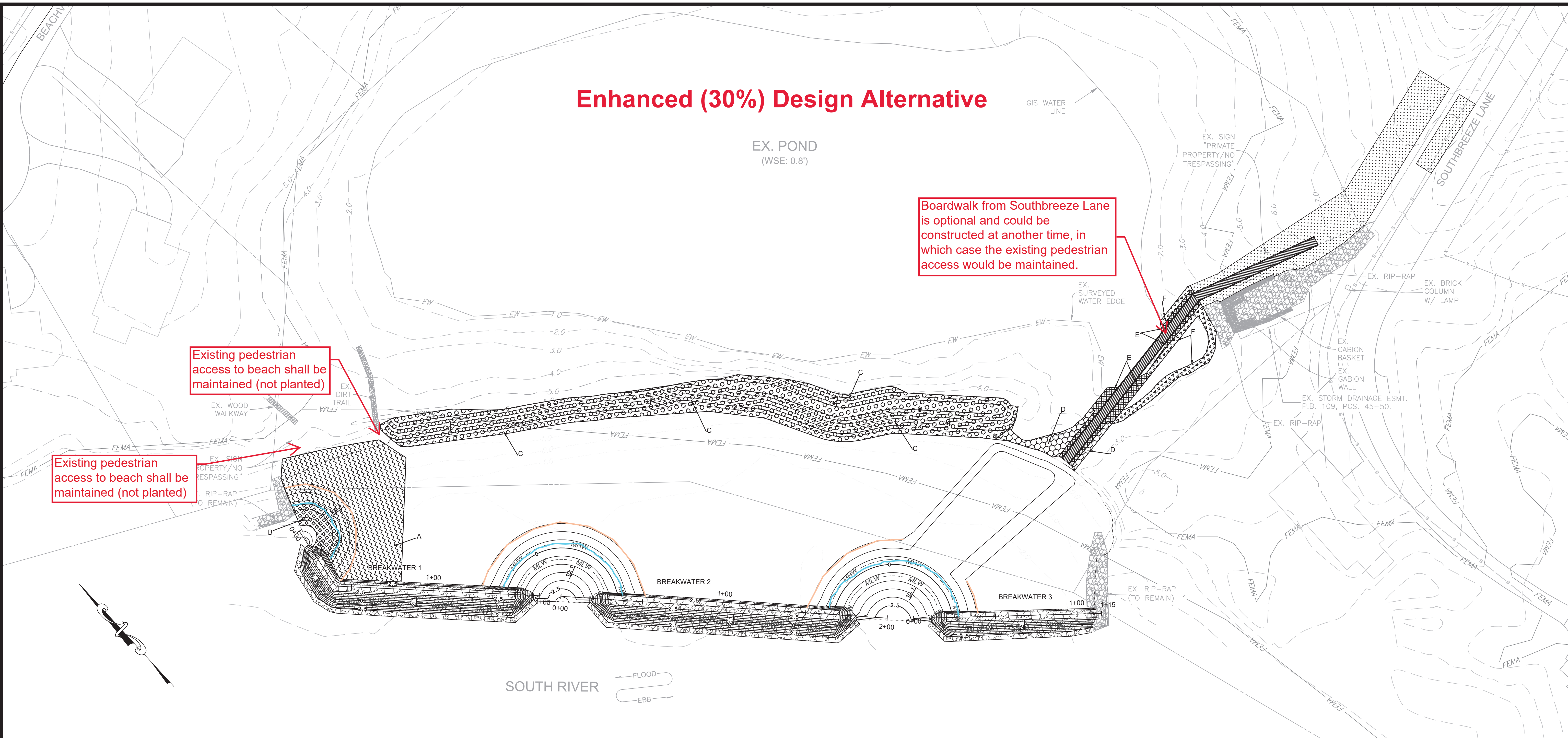
Horizontal Datum: NAD 83  
Vertical Datum: NAVD 88  
Boundary and Topo Source: WSSI & Anne Arundel County Data

Design	Draft	Approved
IHB	MCJ	IHB

Sheet #  
3 of 9

Computer File Name:  
L:\Maryland\Projects\MEX2006\MEX210\MEX210\_4102\_CADD\44-ENR-03-09\_Planes

# Enhanced (30%) Design Alternative



Boardwalk from Southbreeze Lane is optional and could be constructed at another time, in which case the existing pedestrian access would be maintained.

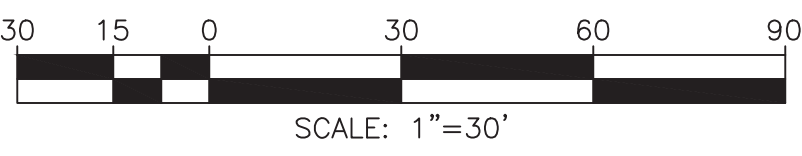
Existing pedestrian access to beach shall be maintained (not planted)

Existing pedestrian access to beach shall be maintained (not planted)

PLANTING AREAS	
	ZONE A
	ZONE B
	ZONE C
	ZONE D
	ZONE E
	ZONE F
	TURFGRASS SEEDING

LEGEND			
	PROPERTY BOUNDARIES		PROPOSED GRADING (0.5')
	EASEMENT BOUNDARIES		PROPOSED MEAN HIGH WATER LINE (0.3' EL.)
	EXISTING INFRASTRUCTURE		PROPOSED MEAN LOW WATER LINE (-0.7' EL.)
	EXISTING CONTOURS (1.0')		PROPOSED SAND FILL
	EXISTING MEAN HIGH WATER LINE (0.3' EL.)		PROPOSED BREAKWATER
	EXISTING MEAN LOW WATER LINE (-0.7' EL.)		PROPOSED BOARDWALK
	EX. POND EDGE OF WATER		
	FEMA FLOODPLAIN		

Legend	
	Enhanced 1.5' Elevation
	Enhanced MHW



Southbreeze Community Shoreline Stabilization  
30% Design Plan  
Anne Arundel County, MD



REVISIONS		
No.	Date	Description

Horizontal Datum: NAD 83  
Vertical Datum: NAVD 88  
Boundary and Topo Source: WSSI & Anne Arundel County Data

Design	Draft	Approved
IHB	MCJ	IHB

Sheet #  
4 of 9

Computer File Name:  
L:\Maryland Projects\MXD2006\MXD210\MXD210\_41.02.CADD\44-ENR-03-PLANTING.PLAN.dwg

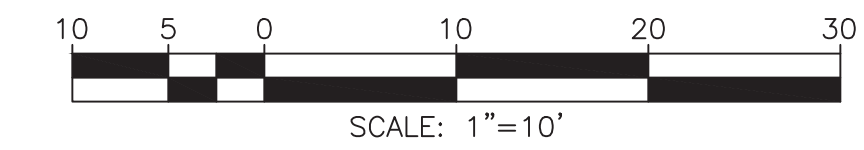
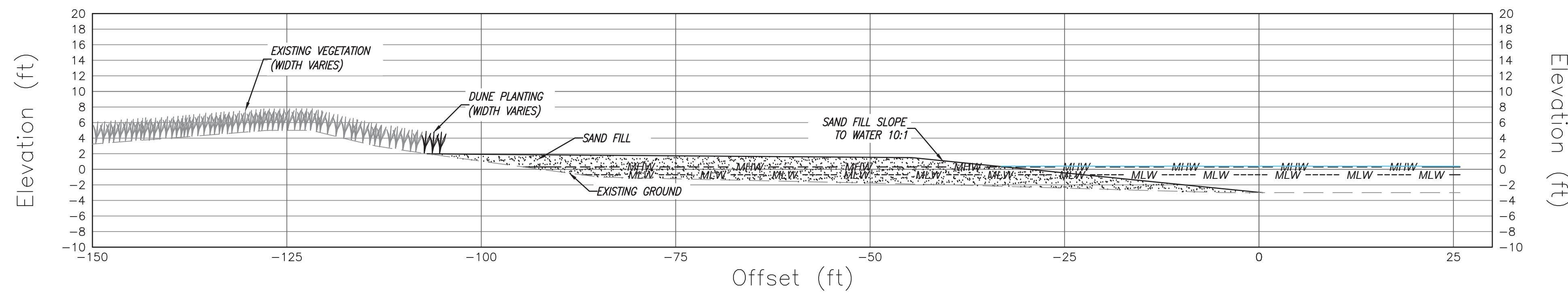
**Wetland**  
a DAVEY company  
1131 Benfield Boulevard • Suite L  
Millersville, Maryland 21108  
Phone: 410-672-5990 • Fax: 410-672-5993  
www.wetlands.com

Copyright © 2023 Wetland Studies and Solutions, Inc.

# Enhanced (30%) Design Alternative

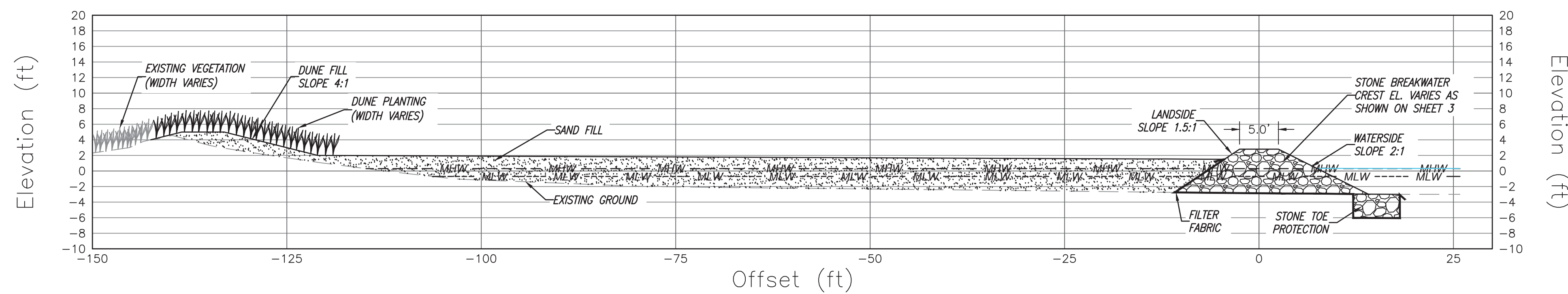
SECTION A-A': TYPICAL BREAKWATER OPENING

SCALE: 1" = 10'



SECTION B-B': TYPICAL BREAKWATER

SCALE: 1" = 10'

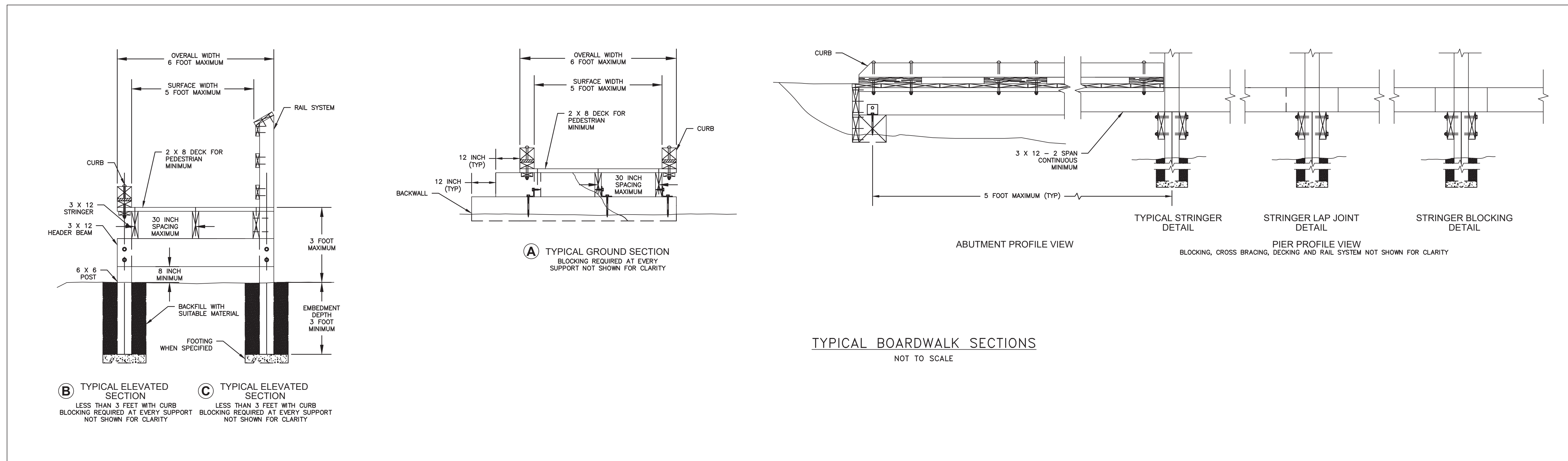


**Wetland**  
a DAVEY company  
Soil and Solution  
1131 Benfield Boulevard • Suite L  
Millersville, Maryland 21108  
Phone: 410-672-5990 • Fax: 410-672-5993  
www.wetlands.com

Southbreeze Community Shoreline Stabilization  
30% Design Plan  
Anne Arundel County, MD

Typical Sections

Copyright © 2023 Wetland Studies and Solutions, Inc.



FROM: USDA FOREST SERVICE STANDARD TRAIL PLANS AND DETAILS

REVISIONS		App. By	By
No.	Date	Description	

DATE: OCTOBER, 2023 SCALE: AS NOTED  
Horizontal Datum: NAD 83  
Vertical Datum: NAVD 88  
Boundary and Topo Source: WSSI & Anne Arundel County Data  
Design: IHB Draft: MCJ Approved: IHB  
Sheet # 3 of 9  
Computer File Name: I:\Maryland\Projects\MEX2006\MEX210\MEX210\_4102\CAD\04-ENR-03-09-2006\SECT0301.dwg