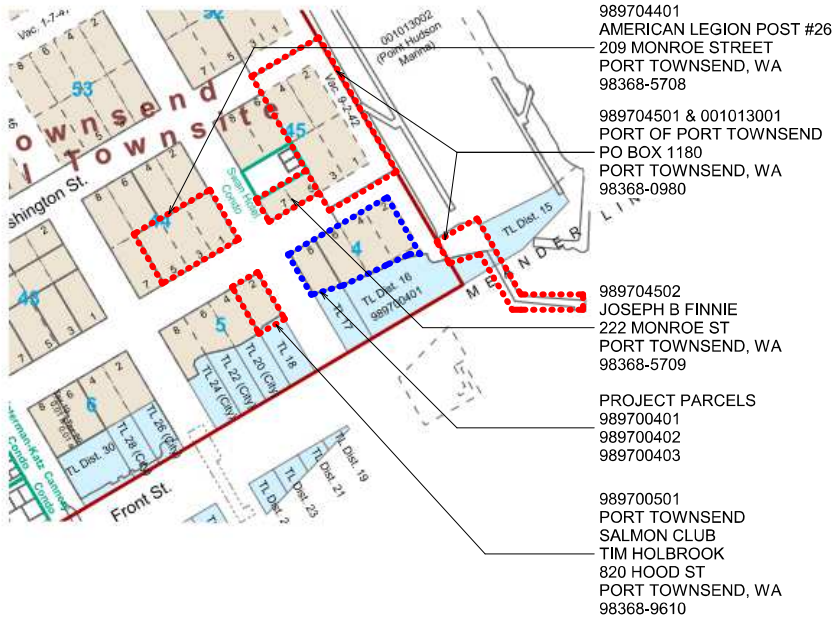


VICINITY MAP



PARCEL MAP



PROJECT TEAM

OWNER

THE NORTHWEST
MARITIME CENTER

CHRIS HARTLEY,
FACILITIES MANAGER
431 WATER STREET
PORT TOWNSEND, WA
98368
1(360) 385-3628 x 114

ARCHITECT

THE MILLER HULL
PARTNERSHIP

KEVIN CARPENTER,
PROJECT MANAGER
71 COLUMBIA - SIXTH
FLOOR
SEATTLE, WA 98104
1(206) 682-6837

STRUCTURAL ENGINEER

QUANTUM CONSULTING
ENGINEERS

SCOTT TINKER, PRINCIPAL
1511 3RD AVENUE #323
SEATTLE, WA 98101
1(206) 903-1015

COASTAL GEOLOGIST

COASTAL GEOLOGIC
SERVICES, INC

JIM JOHANNESSEN
1711 ELLIS ST. #103
BELLINGHAM, WA 98225
1(360) 647-1845

LANDSCAPE ARCHITECT

GGLO

MARK SINDELL, ASSOCIATE
1301 FIRST AVENUE #301
SEATTLE, WA 98101
1(206) 467-5828

ENVIRONMENTAL

MARINE SURVEYS &
ASSESSMENTS

KIMBERLY MCCLURG
380 JEFFERSON ST.
PORT TOWNSEND, WA
98368
(360) 385-4073

PROJECT INFORMATION

PROJECT DISCRPTION

REPAIR OF STORM DAMAGE INCURRED OVER THE PRIOR 5 YEARS. SCOPE INCLUDES REPAIR OF BEACH ELEMENTS DAMAGED OR LOST, AS WELL AS NEW PROTECTIVE ELEMENTS TO MITIGATE FUTURE DAMAGE. REPAIR SCOPE: REINFORCE CONCRETE PAVING AND STAIRS UNDERMINED BY EROSION. REPLACE LOST SAND AND COBBLE. REPLACE LOST LOG PROTECTION WITH BOULDER PROTECTION. REPLANT LOST EROSION CONTROL LANDSCAPING
MITIGATION SCOPE : ADD ADDITIONAL BEACH BOULDERS

STREET ADDRESS

431 WATER STREET
PORT TOWNSEND, WA 98368

TAX PARCEL NUMBERS

989700401, 989700402,
989700403

GENERAL NOTES

- IT IS THE INTENT OF THE CONTRACT DOCUMENTS THAT ALL WORK COMPLY WITH THE WASHINGTON STATE BUILDING CODE, THE WASHINGTON STATE ENERGY CODE, AND OTHER APPLICABLE CODES, RULLES, AND REGULATIONS OF JURISDICTIONS HAVING AUTHORITY.
- PRIOR TO COMMENCEMENT OF ANY PORTION OF THE WORK, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES NOTED AMONG OR BETWEEN THE CONTRACT DOCUMENTS, OWNER-PROVIDED INFORMATION, SITE CONDITIONS, MANUFACTURER RECOMMENDATIONS, OR CODES, REGULATIONS, OR RULS OF JURISDICTIONS HAVING AUTHORITY.
- PRIOR TO COMMENCEMENT OF ANY PORTION OF THE WORK, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONTRACT DOCUMENTS, OWNER-PROVIDED INFORMATION, AND SITE CONDITIONS, INCLUDING TAKING FIELD MEASUREMENTS AS NECESSARY.
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL GOVERNMENTAL PERMITS, FEES, LICENSES, AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK, EXCEPT FOR THE GENERAL BUILDING PERMIT.
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL.
- REPETATIVE FEATURES NOT INDICATED IN THE DRAWINGS EVERYWHERE THAT THEY OCCUR SHALL BE PROVIDED AS IF DRAWN IN FULL.
- DO NOT SCALE THE DRAWINGS.

DRAWING INDEX

NO.	TITLE
1	TITLE SHEET
2	EXISTING CONDITIONS - SITE PLAN
3	SHORELINE REPAIR - SITE PLAN
4	SHORELINE REPAIR - CROSS SECTION
5	LANDSCAPE SITE PLAN
6	LANDSCAPE PLANTING PLAN
7	DETAILS
8	STRUCTURAL SITE PLAN
9	STRUCTURAL DETAILS

Proposed: Northwest Maritime Center
Shoreline Storm Damage Repair
USACE Ref. #: NWS 2021-974
In: Port Townsend County: Jefferson State: WA
Application By:
Northwest Maritime Center
431 Water Street
Port Townsend, WA 98368
Project Location: 48.1158 Lat., -122.7512 Lon.
Assessors Parcels: 989700403, 989700401



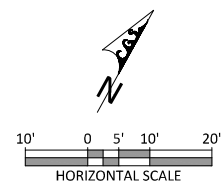
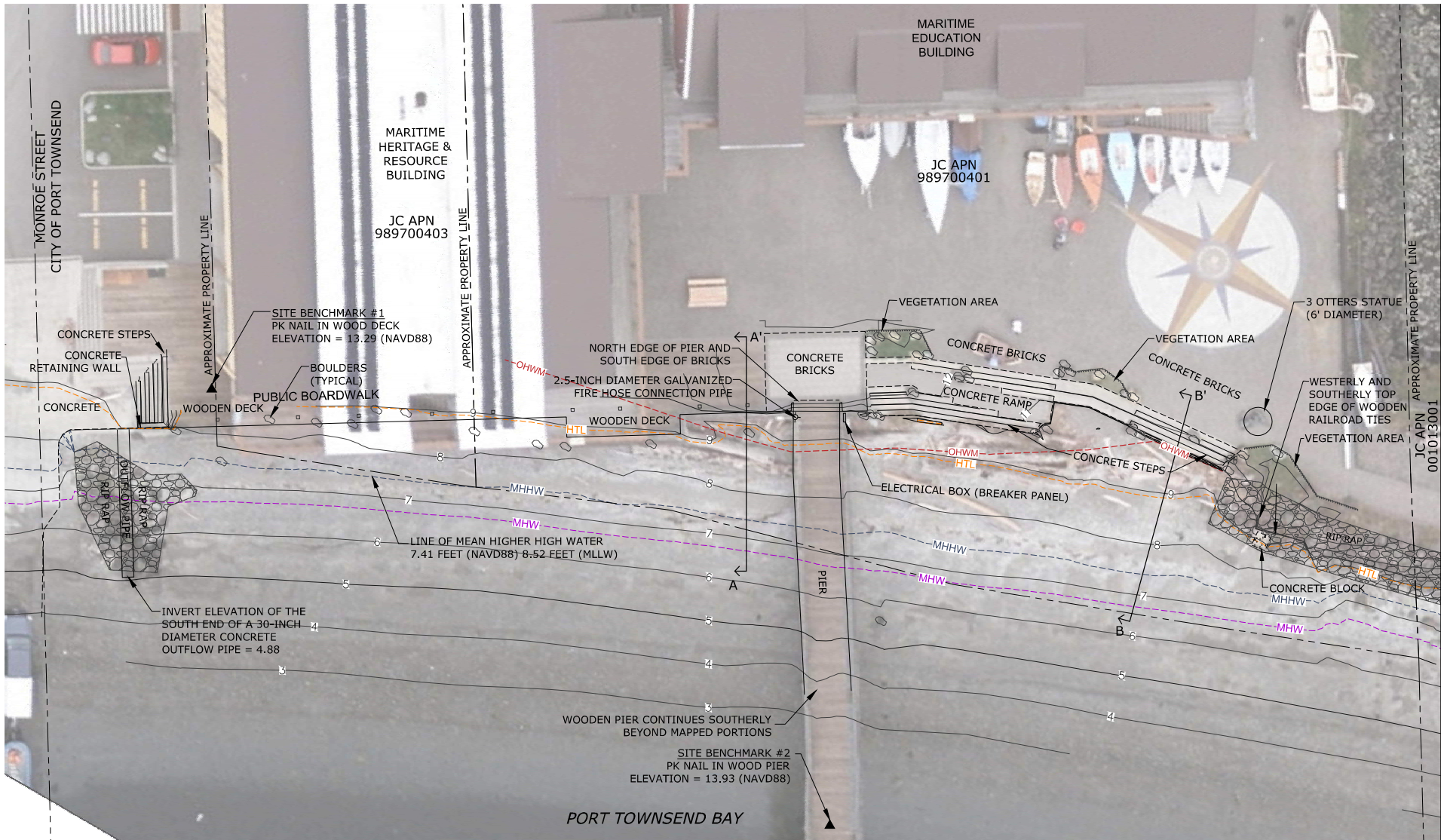
SHORELINE STORM DAMAGE REPAIR
NWMC - 431 Water St. | Port Townsend, WA 98368

PERMIT DESIGN
19 NOVEMBER 2021

No.	Description	Date
1	USACE	11/22/2021

Issue Date: 19 NOVEMBER 2021
Drawn: KC
Checked: DK
M/H Project No.: A19.0075.00

TITLE SHEET
1



NAVD88	MLLW
8.91'	HTL(HAT) — 10.02'
7.41'	MHHW — 8.52'
6.71'	MHW — 7.82'
0.00'	NAVD88 — 1.11'
-1.11'	MLLW — 0.00'

Proposed: Northwest Maritime Center
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 USACE Ref. #: NWS-2021-974
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 431 Water Street
 Port Townsend, WA 98368
 Project Location: 48.1158 Lat., -122.7512 Lon.
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PERMIT DESIGN
NOT FOR CONSTRUCTION

MILLER HULL
 The Miller Hull Partnership, LLP
 Architecture and Planning
 Pitkin Building
 71 Columbia, Sixth Floor
 Seattle, WA 98104
 Phone: 206.682.6837
 Fax: 206.682.2692
 Contact Name

SHORELINE STORM DAMAGE REPAIR
 NWMC - 431 Water St. | Port Townsend, WA 98368
PERMIT DESIGN
 17 SEPTEMBER 2021

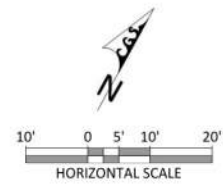
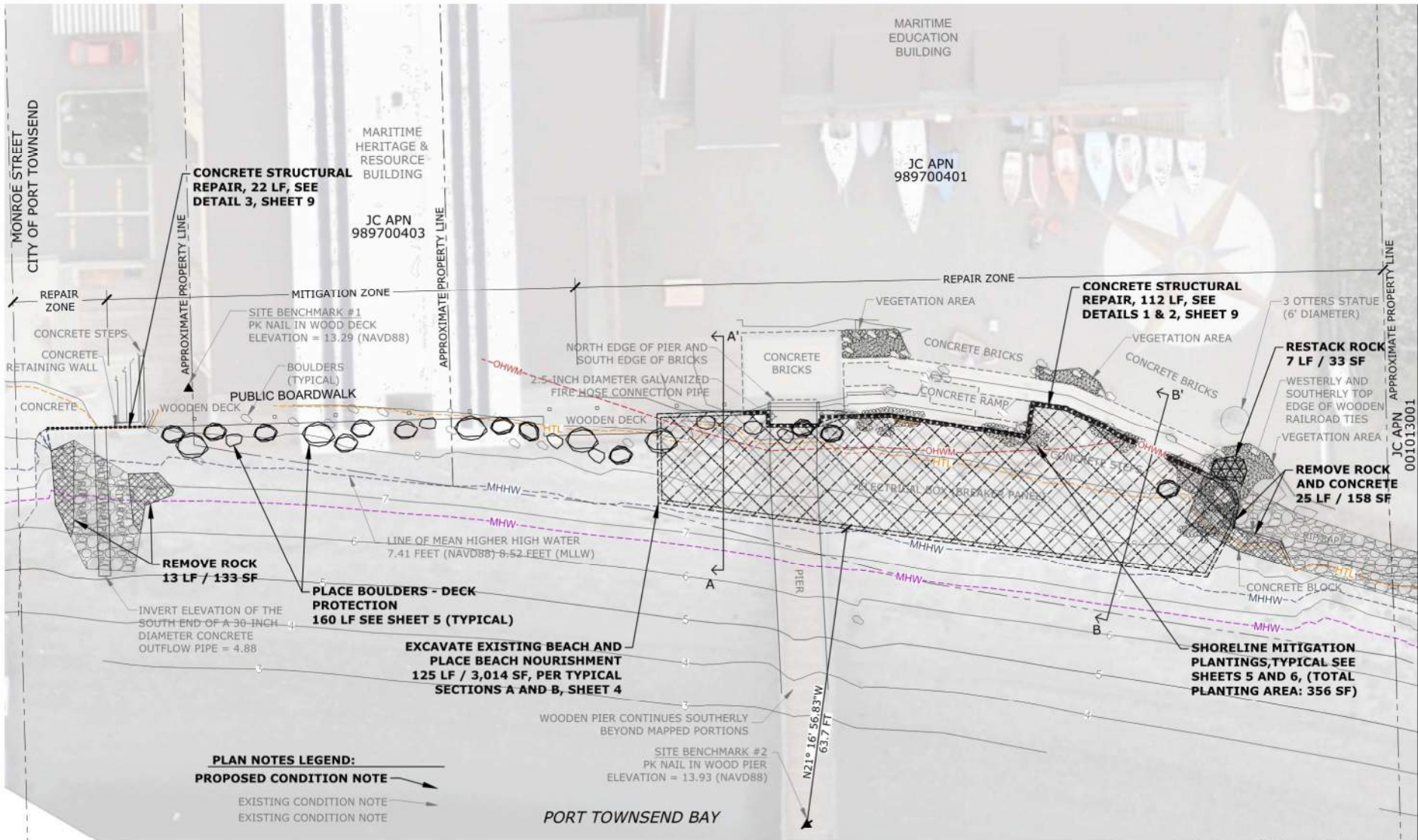
CGS
COASTAL GEOLOGIC SERVICES
 1711 Ellis St, Suite 103
 Bellingham, WA 98225
 360-647-1845 - coaststageo.com

James W. Johannessen

No.	Description	Date
1	USACE	11/9/2021

Issue Date: 17 SEPTEMBER 2021
 Drawn: ADJ
 Checked: JWI
 MJH Project No.: A19.0075.00

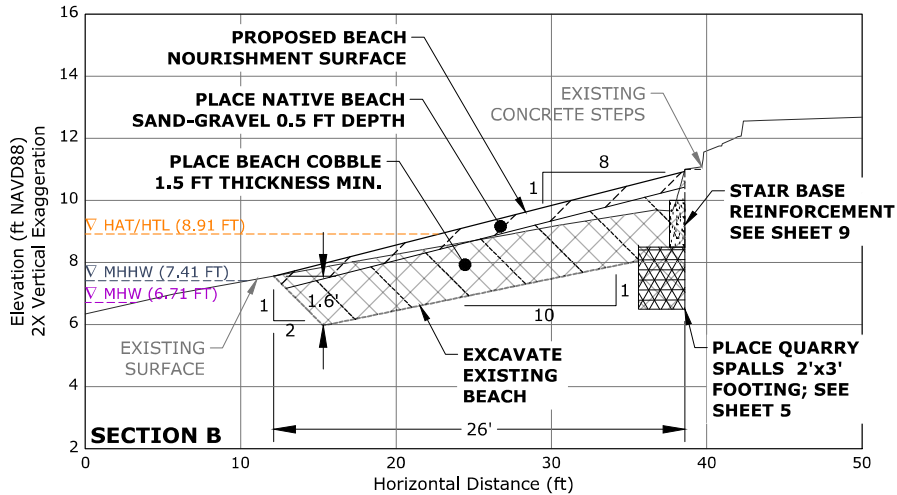
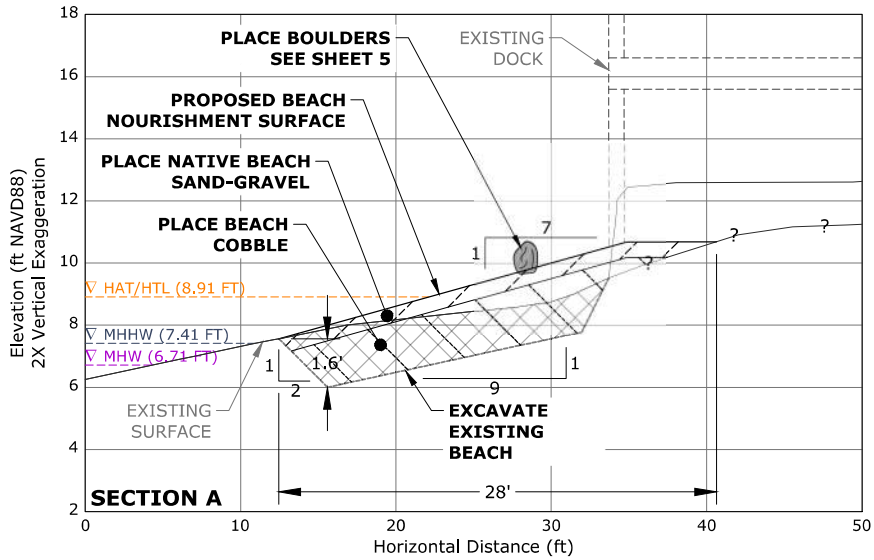
EXISTING CONDITIONS
SITE PLAN
2



No.	Description	Date
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The Miller Hull Partnership, LLP
Architecture and Planning
Pioneer Building
71 Columbia, Sixth Floor
Seattle, WA 98104
Phone 206.462.6837
Fax 206.462.5692
Contact Name



SHORELINE STORM DAMAGE REPAIR
NWMC - 431 Water St. | Port Townsend, WA 98368

PERMIT DESIGN

17 SEPTEMBER 2021



1711 Ellis St, Suite 105
Bellingham, WA 98225
360-647-1845 - coastalgeo.com



No.	Description	Date
1	USACE	11/9/2021

Issue Date: 17 SEPTEMBER 2021
Drawn: ADJ
Checked: JVI
MH Project No.: A19.0075.00

**SHORELINE REPAIR
CROSS SECTIONS**

N 30°31'55" W 292.98'

REPAIR ZONE

MITIGATION ZONE

REPAIR ZONE

JACKSON STREET
N 30°31'55" W 292.98'

36"X 30" CLEAR WORK ZONE AT ELECTRICAL PANEL

PROTECT EXISTING FIRE SPRINKLER LINE UNDER DECK.

PAVING REPAIR - SEE STRUCTURAL DETAIL 3 SHEET 8

PROTECT EXISTING SD LINE.

REMOVE (APPROX. 100 SF.) OF EXISTING BOULDERS - SEE SHEET 2 FOR EXTENT.

PUBLIC BOARDWALK ABOVE

LANDSCAPE BOULDER ON GRADE - SEE DETAIL DETAIL 5 SHEET 7. SEE SCHEDULE FOR LANDSCAPE BOULDERS SIZE.

MEAN HIGHER HIGH WATER 7.41' (NAVD88)

EXISTING BOULDERS TO REMAIN, TYP.

EXISTING BEACH LOGS TO BE REMOVED AND RELOCATED NORTH OF THE EXISTING DOCK IF PRESENT, TYP.

EXISTING DOCK TO REMAIN

EXISTING PRECAST CONCRETE PAVER TERRACE

SEE PLANTING PLAN AND PLANT SCHEDULE - SHEET 6.

EXISTING LANDSCAPE BOULDERS TO REMAIN, TYP.

KAYAK RAMP REPAIR - SEE STRUCTURAL DETAIL 2 SHEET 8

LANDSCAPE BOULDER SCHEDULE		
(8)	③	3 - MAN STONE
(14)	④	4 - MAN STONE
(5)	⑤	5 - MAN STONE

EXISTING CONCRETE STAIRS
STAIR REPAIR AREA - SEE DETAIL DETAIL 3 SHEET 7.

LANDSCAPE BOULDER STAIR REPLACEMENT - SEE DETAIL DETAIL 4 SHEET 7. SEE SCHEDULE FOR LANDSCAPE BOULDERS SIZE.

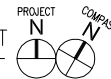
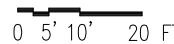
REPLENISH BEACH WITH COBBLE-GRAVEL BEACH NOURISHMENT TO ELEVATION 10.5' TYP.

RELOCATED TRANSIENT BEACH LOG PREVIOUSLY SOUTH OF THE EXISTING DOCK IF PRESENT.

1

SITE DIAGRAM

SCALE: HORIZONTAL_SCALE



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The Miller Hull Partnership, LLP
 Architects and Planning
 71 Columbia Street
 Seattle, WA 98104
 Phone 206.462.6857
 Fax 206.462.6592
 Contact: Name



SHORELINE STORM DAMAGE REPAIR
 NWMCC - 431 Water St. Port Townsend, WA 98368

PERMIT DESIGN

17 SEPTEMBER 2021



1301 1ST AVE #301
 SEATTLE, WA 98101
 http://www.gglo.com



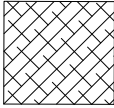
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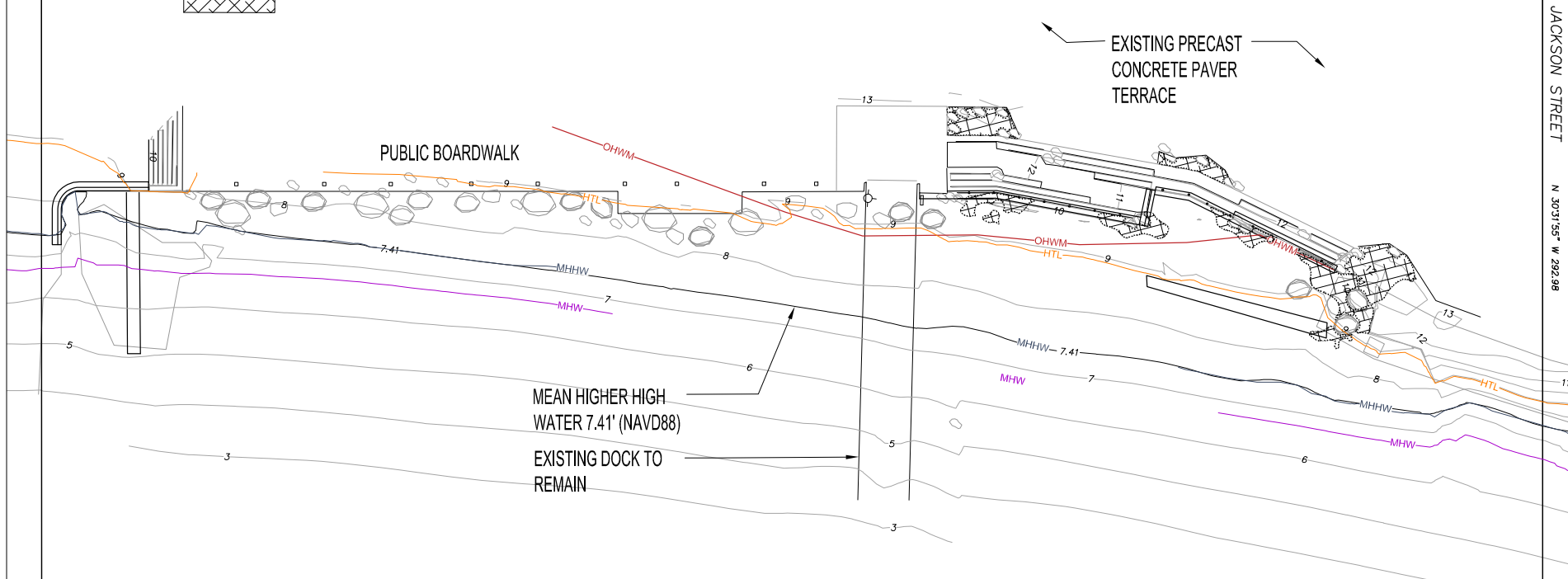
Issue Date: 17 SEPTEMBER 2021
 Drawn: PD
 Checked: MS
 M/H Project No.: A18.0075.00

LANDSCAPE SITE PLAN
5

N 30°31'52" W 292.98'

PLANT SCHEDULE

GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
	ELYMUS MOLLIS	AMERICAN DUNEGRASS	1 GAL	18" o.c.	169 (356 SF.)



JACKSON STREET
N 30°31'55" W 292.98'

MILLER HULL
The Miller Hull Partnership, LLP
Architects and Planning
Palace Building
71 Columbia Street
Seattle, WA 98104
Phone: 206.462.6837
Fax: 206.462.6592
Contact: Name



SHORELINE STORM DAMAGE REPAIR
NWMC - 431 Water St. Port Townsend, WA 98368
PERMIT DESIGN
17 SEPTEMBER 2021

GGLO DESIGN
1301 1ST AVE #301
SEATTLE, WA 98101
http://www.gglo.com

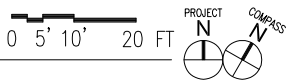


No.	Description	Date
1	USACE	11/9/2021

Issue Date: 17 SEPTEMBER 2021
Drawn: PD
Checked: MS
MH Project No.: A18.0075.00

LANDSCAPE PLANTING PLAN
6

1 **SITE DIAGRAM**
SCALE: HORIZONTAL_SCALE



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Application By:
Northwest Maritime Center
431 Water Street
Port Townsend, WA 98368
Project Location: 48.1158 Lat., -122.7512 Lon.
Assessors Parcels: 989700403, 989700401

DATE PLOTTED: 11/18/2021 10:00 AM



SHORELINE STORM DAMAGE REPAIR
 NWM/C - 431 Water St. | Port Townsend, WA 98368

PERMIT DESIGN
 17 SEPTEMBER 2021



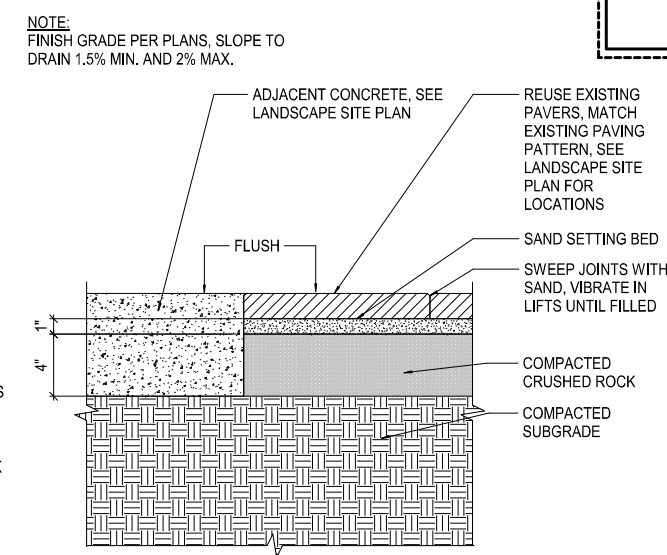
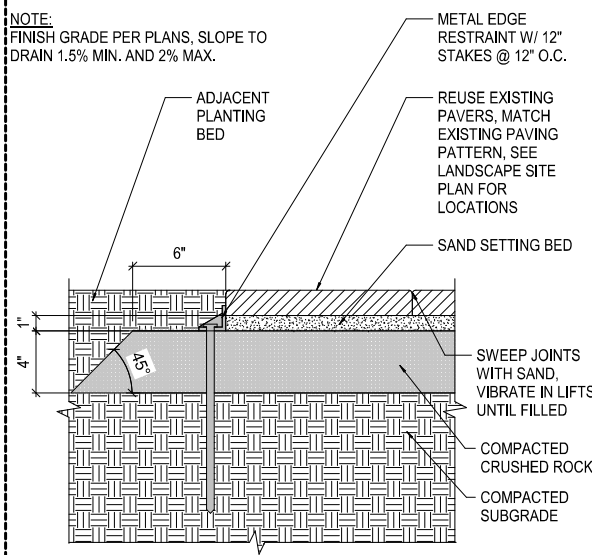
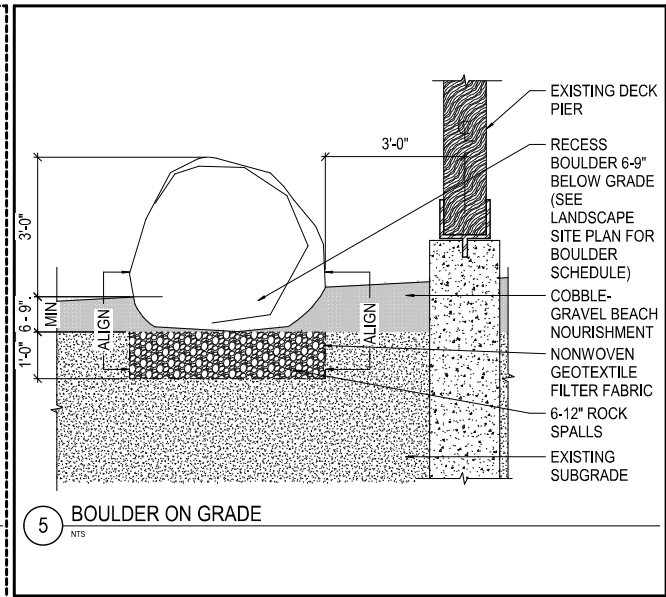
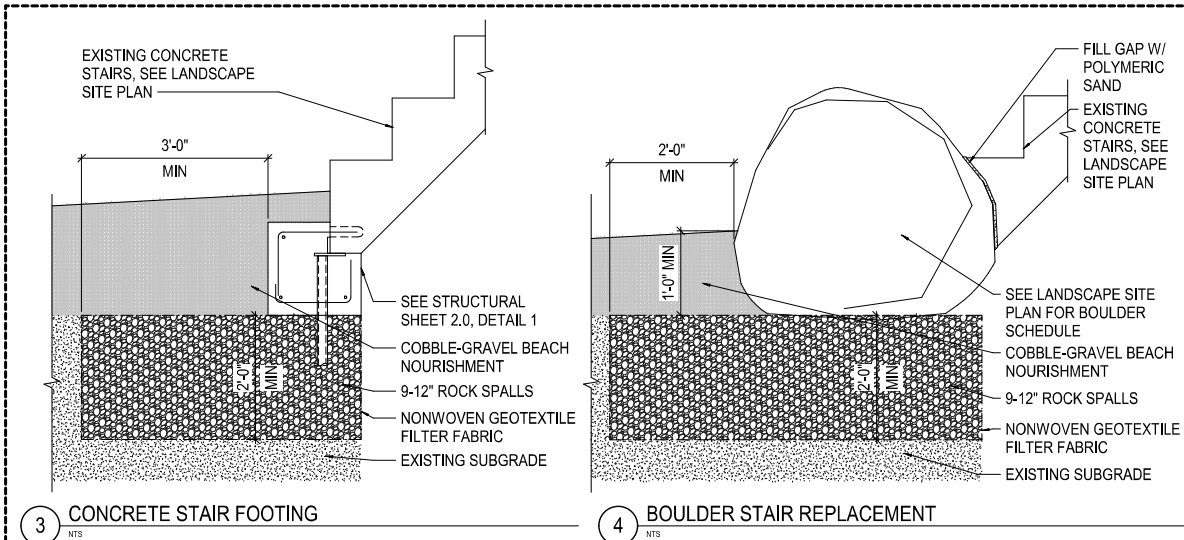
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Issue Date: 17 SEPTEMBER 2021
 Drawn: _____ NZ
 Checked: _____ PD
 MH Project No.: 2018084.01

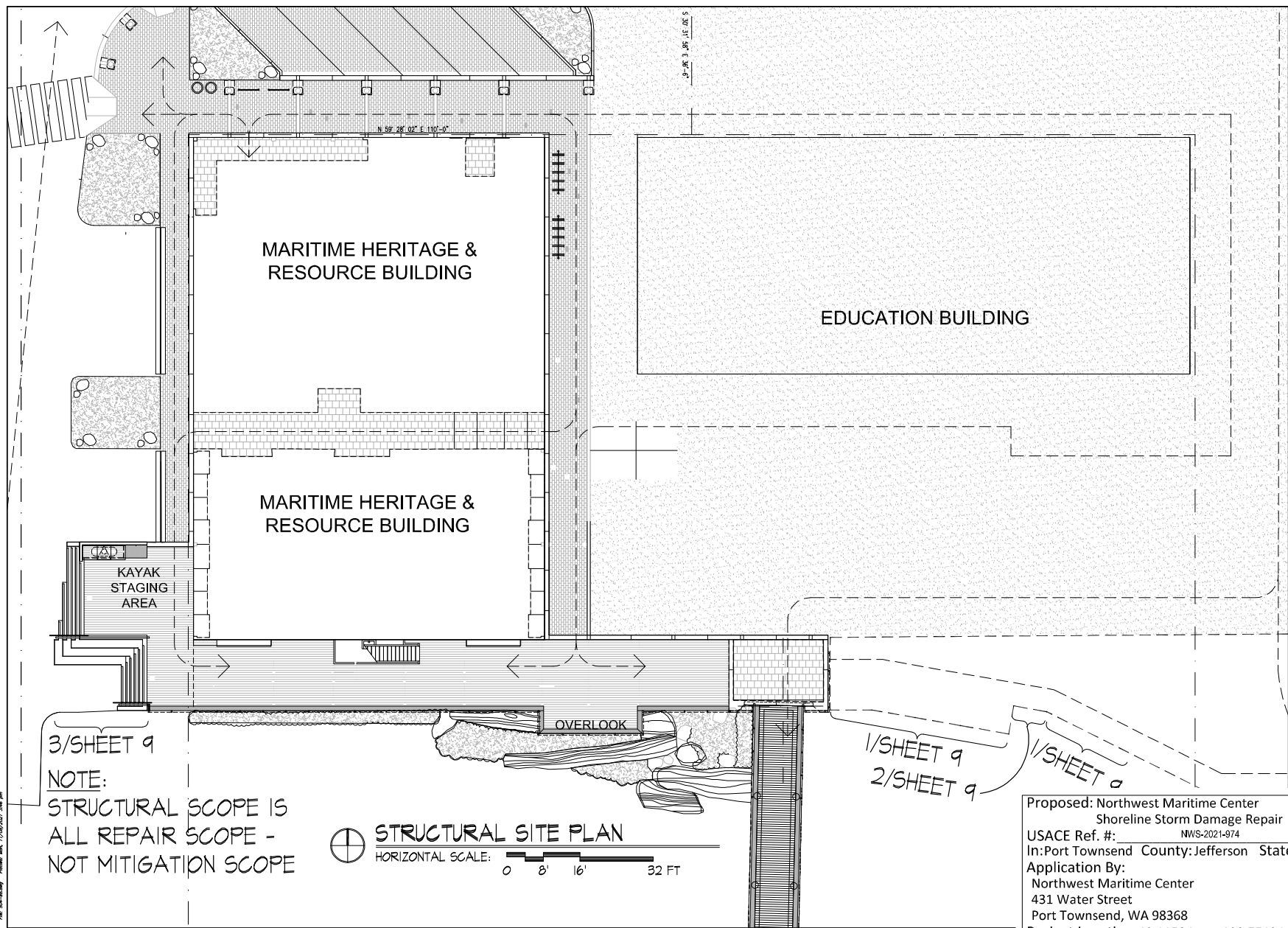
LANDSCAPE DETAILS
7

REPAIR SCOPE

1/3 REPAIR, 2/3 MITIGATION SCOPE



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3/SHEET 9

NOTE:
STRUCTURAL SCOPE IS
ALL REPAIR SCOPE -
NOT MITIGATION SCOPE



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The Miller Hull Partnership, LLP
Architecture and Planning
Pulmon Building
71 Columbia Street, 8th Floor
Seattle, WA 98104
Phone: 206.462.2837
Fax: 206.462.5992
Contact Name:



SHORELINE STORM DAMAGE REPAIR
NMMC - 431 Water St. Port Townsend, WA 98368

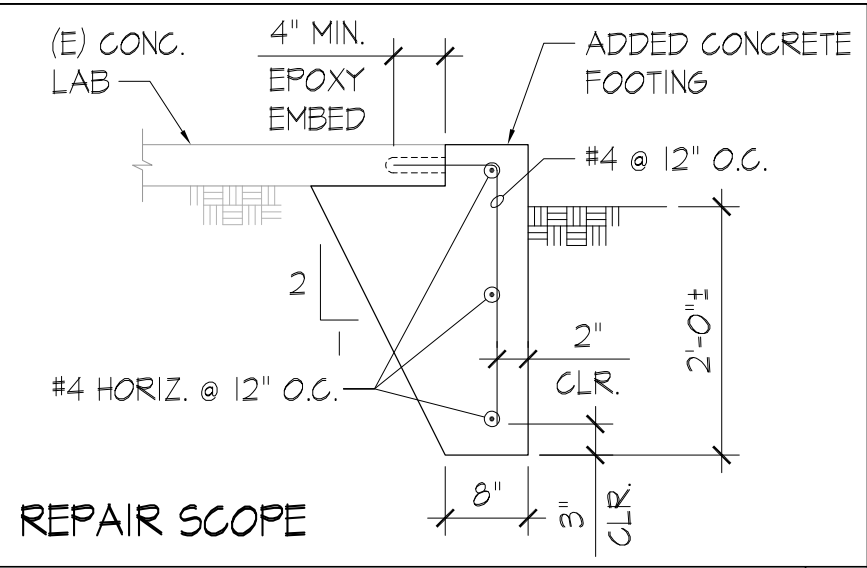
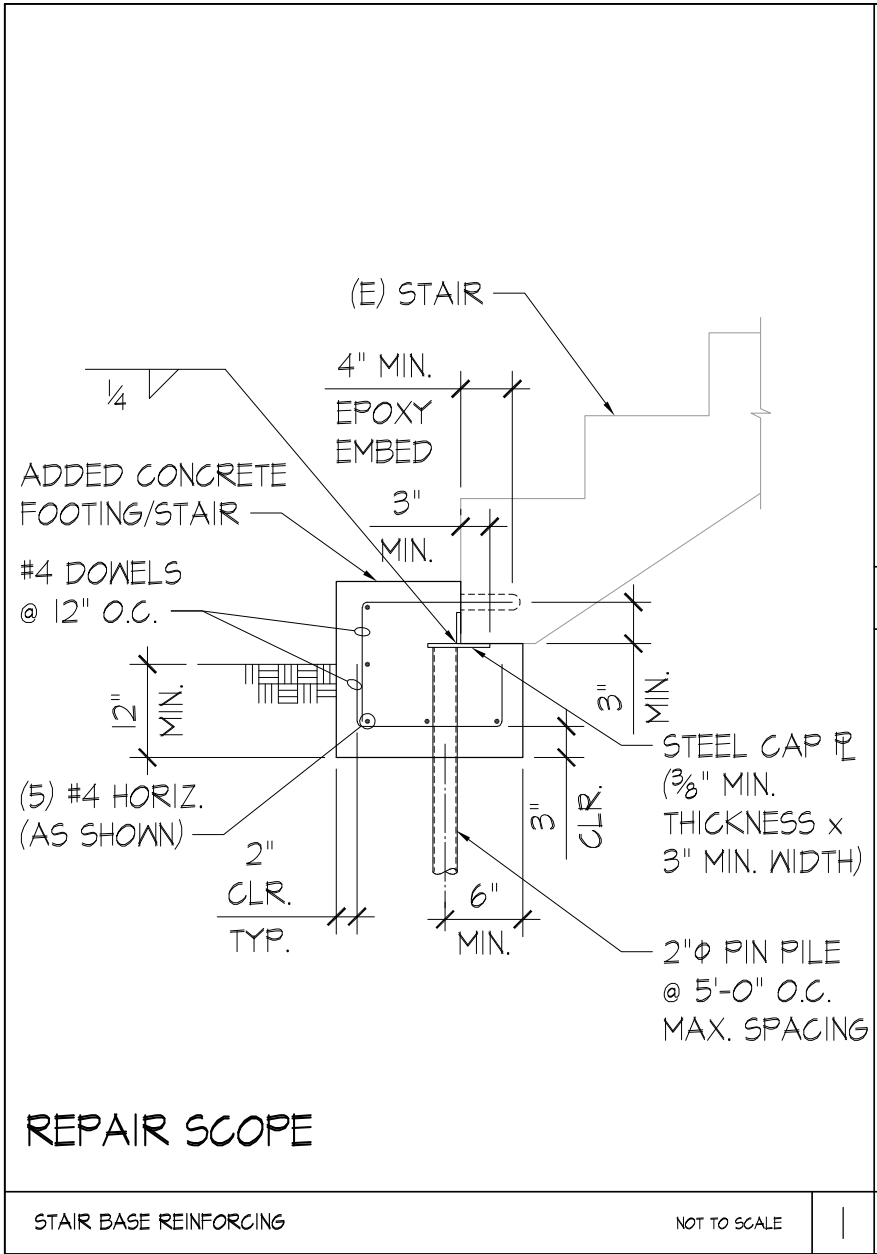
PERMIT DESIGN
17 SEPTEMBER 2021



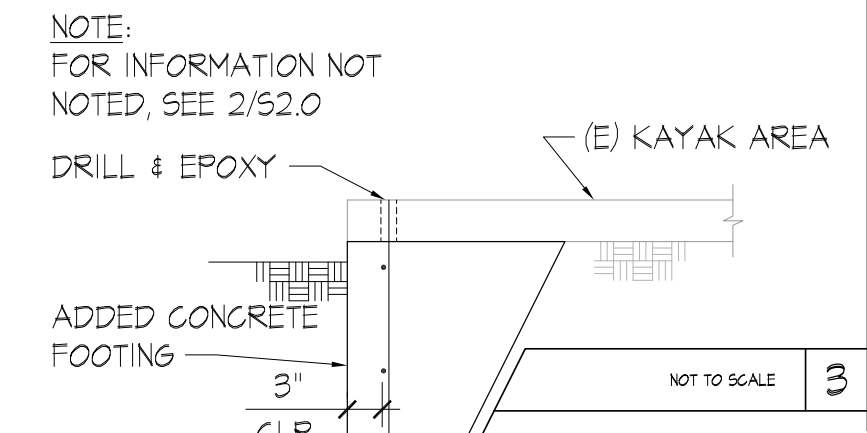
No.	Description	Date
1	USACE	11/9/21

Issue Date: 17 SEPTEMBER 2021
Drawn: SSN
Checked: SHT
MH Project No.: 19504.07

STRUCTURAL SITE PLAN



SLAB EDGE REINFORCING - INCREASED FOOTPRINT	NOT TO SCALE	2
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SLAB EDGE REINFORCING - SAME FOOTPRINT	NOT TO SCALE	3
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 Northwest Maritime Center
 431 Water Street
 Port Townsend, WA 98368
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No.	Description	Date
1	USACE	11/9/21

Issue Date: 17 SEPTEMBER 2021
 Drawn: SSN
 Checked: SHT
 M/H Project No.: 19504.01

STRUCTURAL DETAILS