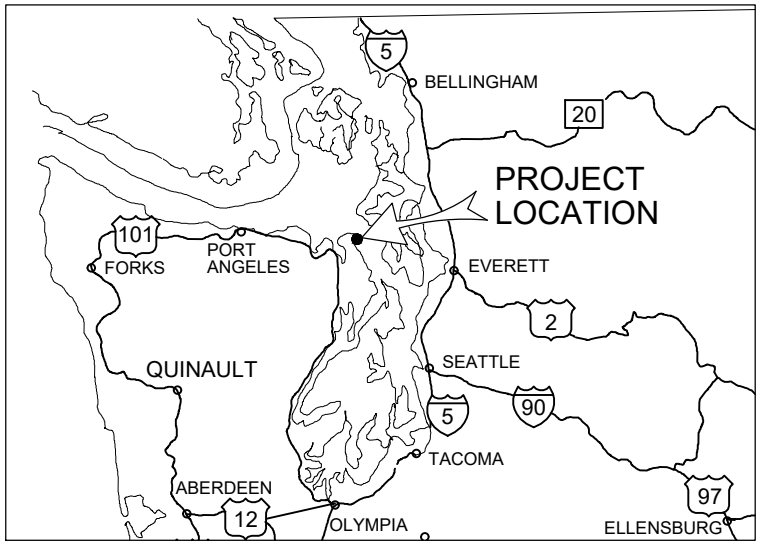
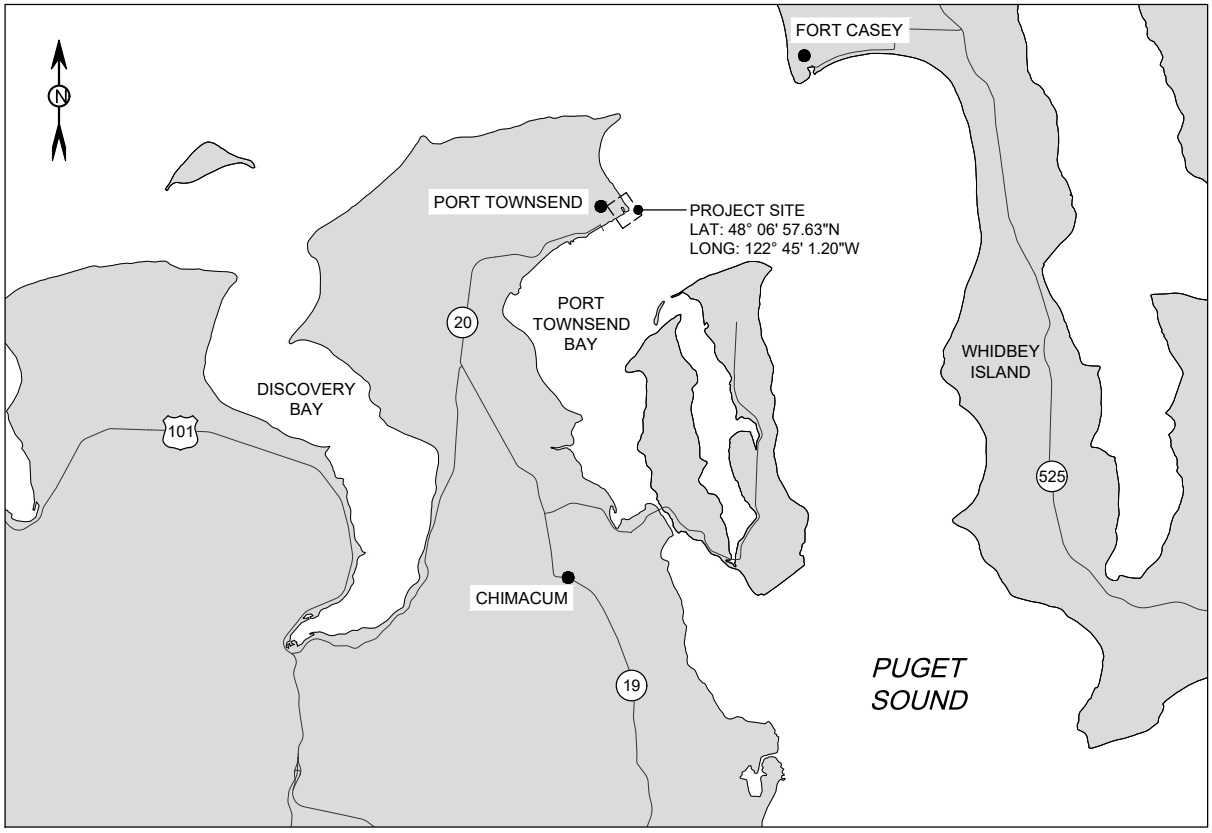
S01 T30N R01W



WASHINGTON KEY MAP

DRAWING LIST

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	EXISTING SITE PLAN
3	PROPOSED SITE PLAN
4	EXISTING SECTIONS 1
5	EXISTING SECTIONS 2
6	PROPOSED SECTIONS 1
7	PROPOSED SECTIONS 2
8	PROPOSED SECTIONS 3
9	PROPOSED UPLAND PLAN
10	NAVIGATION AID DETAILS



LOCATION MAP

10,000'
0 20,000'

TIDAL WATER LEVELS (MLLW)

HIGH TIDE LINE	9.99 FT
MEAN HIGHER HIGH WATER	8.25 FT
MEAN HIGH WATER	7.84 FT
50-YR EXTREME HIGH	13.12 FT
MEAN TIDE LEVEL	5.17 FT
MEAN LOWER LOW WATER	0.00 FT
EXTREME LOW WATER	-4.22 FT

DRAFT

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

COVER SHEET

PROPOSED:
REPLACEMENT EXISTING BREAKWATER

IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

SHEET 1 OF 10 DATE: 10/9/20

FILE: C:\pwworking\hmm\ports_harbors\tad69807\dms24835\Point Hudson - Cover Sheet.dwg DATE: 4/16/2021 USER: Brice Tadlock

S01 T30N R01W

EXISTING ARMOR ROCK
NORTHWEST MARITIME CENTER
JACKSON ST
EXISTING DOCK (TO REMAIN)
EXISTING DOCK (TO REMAIN)
EXISTING ARMOR ROCK
PAINTED COMPASS ROSE
POINT HUDSON MARINA
HIGH TIDE LINE
PARKING AREA
EXISTING BULKHEAD (TO BE REPLACED)
EXISTING STEEL PILES WITH PILE CAP (TO BE REMOVED) APPROX. LOCATION SHOWN
WOOD GUARDRAIL (TO BE REPLACE)
MARITIME PROPERTY BOUNDARY
PATH
EXISTING BULKHEAD (TO BE REPLACED)
PORT BOUNDARY
EXISTING ARMOR ROCK
TSUNAMI WARNING SIGNAL (TO REMAIN)
EXISTING BREAKWATER FOOTPRINT AT THE MUDLINE
EXISTING ARMOR ROCK (TO BE REMOVED AND REPLACED)
EXISTING NORTH BREAKWATER (TO BE REPLACED)
PROJECT AREA
2020 EELGRASS
INNER HARBOR LINE
EXISTING SOUTH BREAKWATER (TO BE REPLACED)
EXISTING SOUTH BREAKWATER WALKWAY (TO BE REPLACED)
2020 EELGRASS
PROJECT AREA
EXISTING NAVIGATIONAL AID LIGHT
EXISTING MOORING PLATFORM
EBB
FLOOD
PMA BOUNDARY
PORT TOWNSEND BAY

A 2 4
B 2 4
C 2 5
D 2 5

LEGEND

- EXISTING CONTOUR
- EXISTING EEL GRASS
- SMALL EEL GRASS PATCH
- HIGH TIDE LINE

EXISTING BREAKWATER PLAN

0 30 60
SCALE IN FEET

DRAFT

NOTES

1. SURVEY BY CLARK LAND OFFICE, ON 9-22-2014, UPDATED 10-28-2014.
2. HORIZONTAL DATUM: NAD83

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW
APPLICATION BY: PORT OF PORT TOWNSEND
USACE #: NWS-2020-XX
ADJACENT PROPERTY OWNERS:
1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

EXISTING SITE PLAN

PROPOSED:
REPLACEMENT EXISTING BREAKWATER

IN: PORT TOWNSEND BAY, ADMIRALTY INLET
AT: PORT TOWNSEND, WA
COUNTY: JEFFERSON COUNTY
SHEET 2 OF 10 DATE: 10/9/20

FILE: C:\pwworking\hmm\ports_harbors\tad69807\dms24835\Point Hudson - Site Plans.dwg DATE: 4/16/2021 USER: Brice Tadlock

S01 T30N R01W

EXISTING ARMOR ROCK (TO REMAIN)
NORTHWEST MARITIME CENTER
EXISTING DOCK (TO REMAIN)
EXISTING DOCK (TO REMAIN)
EXISTING ARMOR ROCK (TO REMAIN)
PAINTED COMPASS ROSE
HIGH TIDE LINE
POINT HUDSON MARINA
PARKING AREA
12.75" PILES @ 2'-6" O.C.
PROPOSED BULKHEAD
PROPOSED NAVIGATION AID SIGN 2/3 (3 | 10)
MARITIME PROPERTY BOUNDARY
PATH
E (3 | 6)
EXISTING TSUNAMI WARNING SIGNAL
16" PILES @ 2'-6" O.C.
PROPOSED STRUCTURE EXCAVATION, TYP.
PORT BOUNDARY
PROPOSED SHORELINE PROTECTION
I (3 | 8)
PROPOSED SHORELINE PROTECTION
F (3 | 6)
1.5H:1V, TYP.
PROPOSED NORTH BREAKWATER (12.75" PILES)
TEMPORARY SHORING
PROJECT AREA
ALL SLOPES 3H:1V, TYP.
2020 EELGRASS
INNER HARBOR LINE
G (3 | 7)
12.75" PILES @ 3' O.C.
PROPOSED DREDGING
LIMITS OF STRUCTURE EXCAVATION, BACKFILL WITH BEACH COMPATIBLE MATERIAL
16" PILES @ 3' O.C.
PROPOSED SOUTH BREAKWATER WALKWAY
PROPOSED NAVIGATIONAL AID SIGN
2020 EELGRASS
PROPOSED SOUTH BREAKWATER
EXISTING BREAKWATER FOOTPRINT AT THE MUDLINE
H (3 | 7)
PROJECT AREA
PROPOSED NAVIGATIONAL AID LIGHT AND SIGN 1 (2 | 10)
PMA BOUNDARY
EXISTING MOORING PLATFORM

LEGEND

- PROJECT AREA BOUNDARY
- EEL GRASS
- DREDGE AREA
- STRUCTURAL EXCAVATION
- WALKWAY
- CONCRETE
- GRAVEL SURFACING

PROPOSED BREAKWATER PLAN

0 30 60
SCALE IN FEET

DRAFT

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW
APPLICATION BY: PORT OF PORT TOWNSEND
USACE #: NWS-2020-XX
ADJACENT PROPERTY OWNERS:
1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

PROPOSED SITE PLAN

PROPOSED:
REPLACEMENT EXISTING BREAKWATER

IN: PORT TOWNSEND BAY, ADMIRALTY INLET
AT: PORT TOWNSEND, WA
COUNTY: JEFFERSON COUNTY
SHEET 3 OF 10 DATE: 10/9/20

FILE: C:\pwworking\hmm\ports_harbors\ad69807\dms24835\Point Hudson - Site Plans.dwg DATE: 4/16/2021 USER: Brice Tadlock

FILE: C:\pwworking\hmm\ports_harbors\tad69807\dms24835\Point Hudson - Sections.dwg DATE: 4/16/2021 USER: Brice Tadlock

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

EXISTING SECTIONS 1

PROPOSED: REPLACEMENT EXISTING BREAKWATER

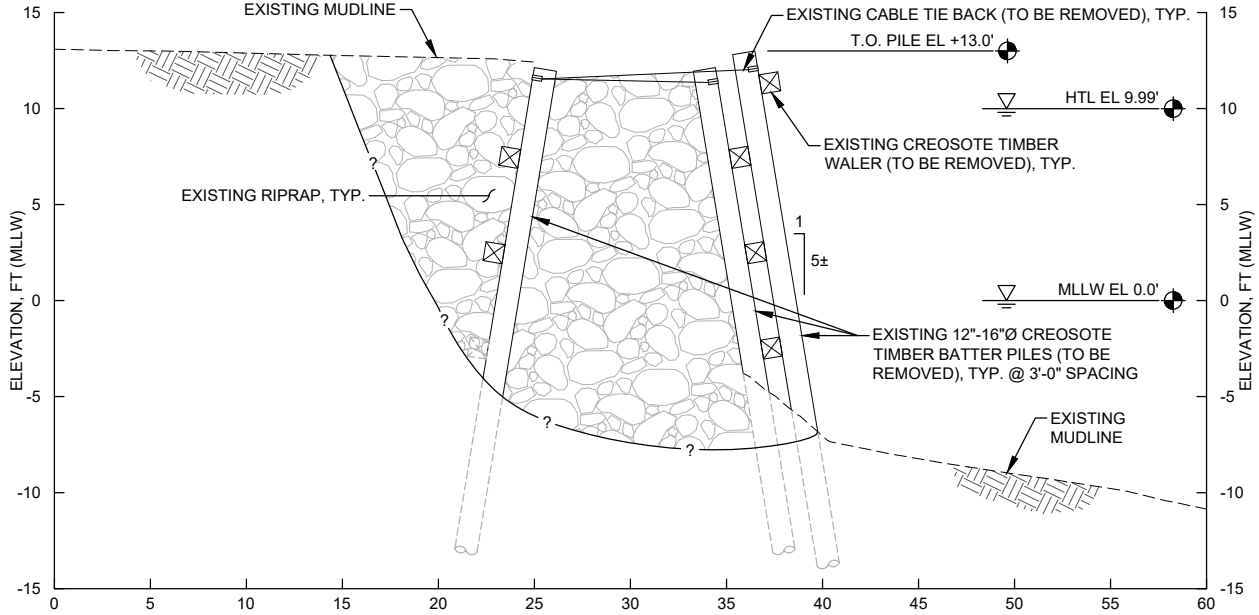
IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

SHEET 4 OF 10

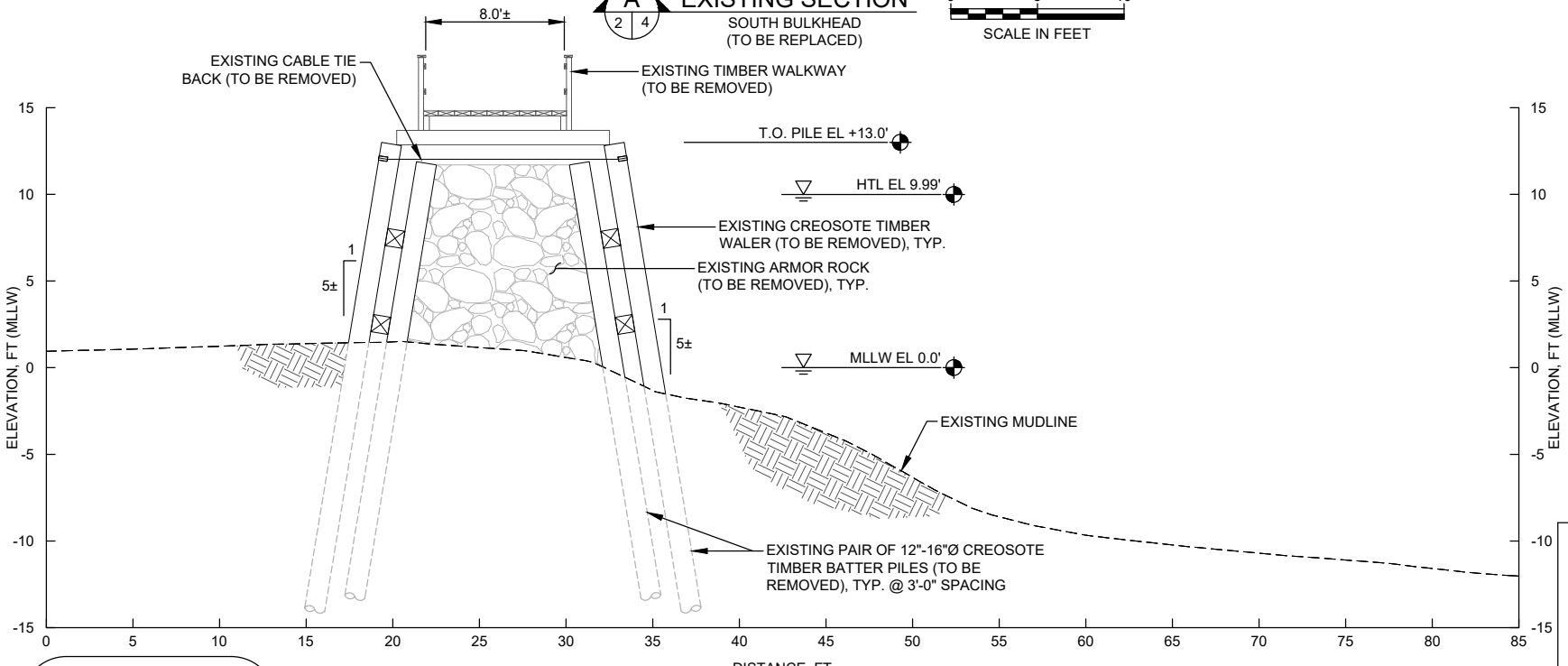
DATE: 10/9/20



A 2 4 EXISTING SECTION

SOUTH BULKHEAD (TO BE REPLACED)

0 5 10 SCALE IN FEET



B 2 4 EXISTING SECTION

EXISTING SOUTH BREAKWATER (TO BE REPLACED)

0 5 10 SCALE IN FEET

DRAFT

S01 T30N R01W

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

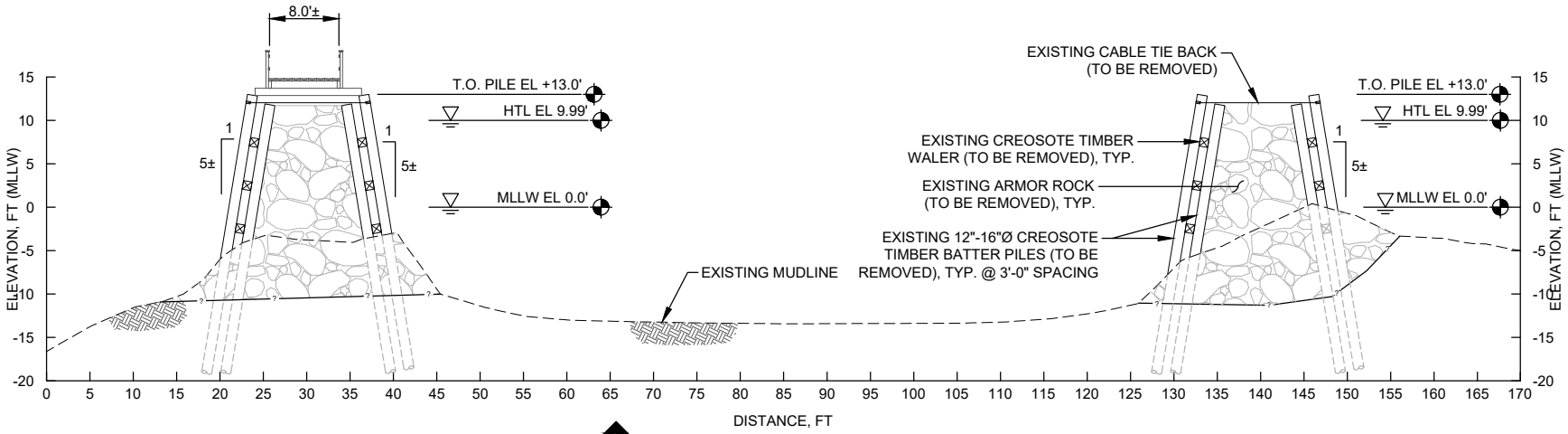
USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

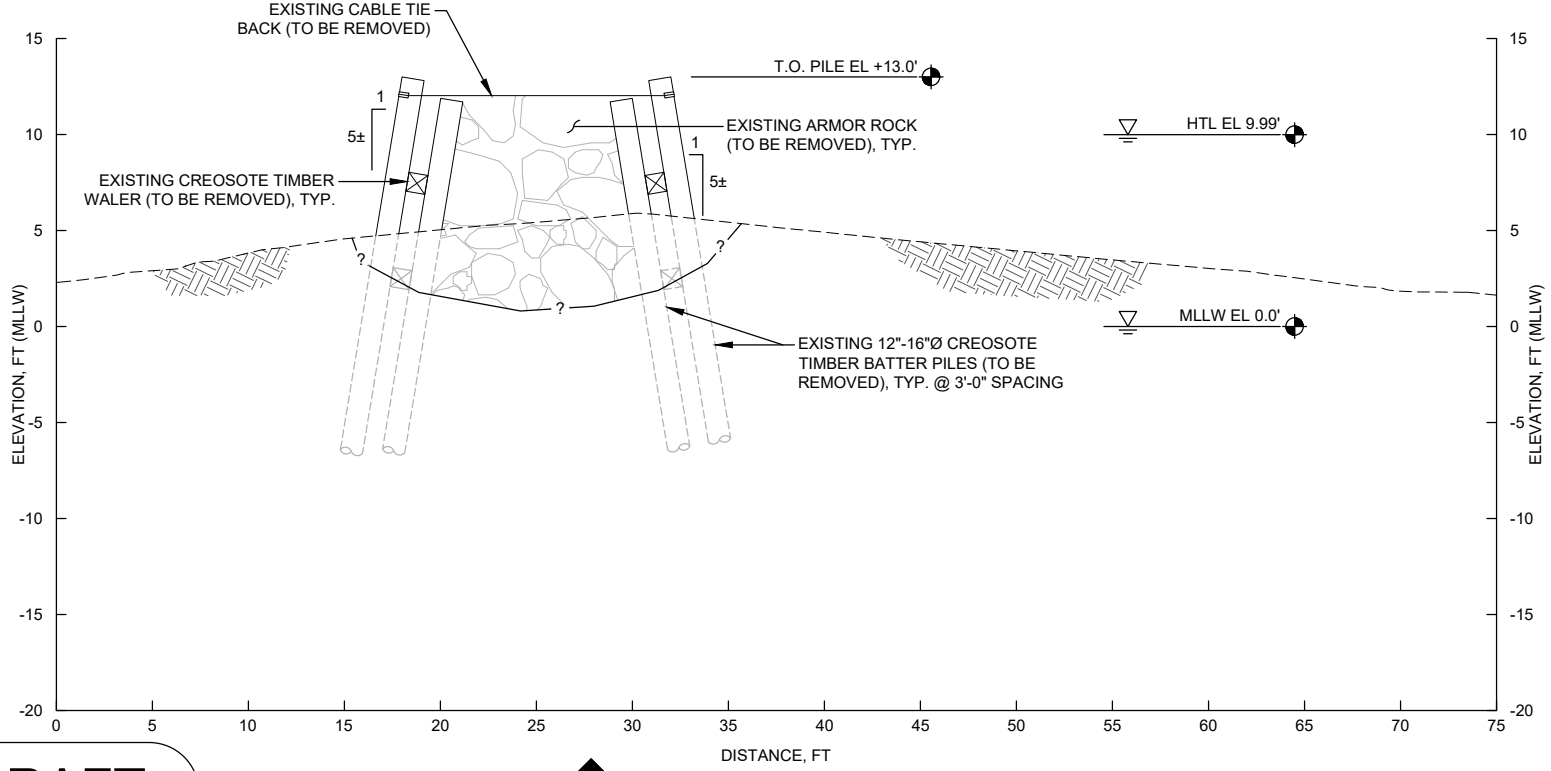
POINT HUDSON MARINA BREAKWATER REPLACEMENT

EXISTING SECTIONS 2



C 2 5 EXISTING SECTION
NORTH / SOUTH BREAKWATERS (TO BE REPLACED)

0 10 20 SCALE IN FEET



D 2 5 EXISTING SECTION
NORTH BREAKWATER (TO BE REPLACED)

0 5 10 SCALE IN FEET

DRAFT

PROPOSED: REPLACEMENT EXISTING BREAKWATER

IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

SHEET 5 OF 10

DATE: 10/9/20

S01 T30N R01W

FILE: C:\pwworking\hmm\ports_harbors\tad69807\dms24835\Point Hudson - Sections.dwg DATE: 4/16/2021 USER: Brice Tadlock

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

PROPOSED SECTIONS 1

PROPOSED: REPLACEMENT EXISTING BREAKWATER

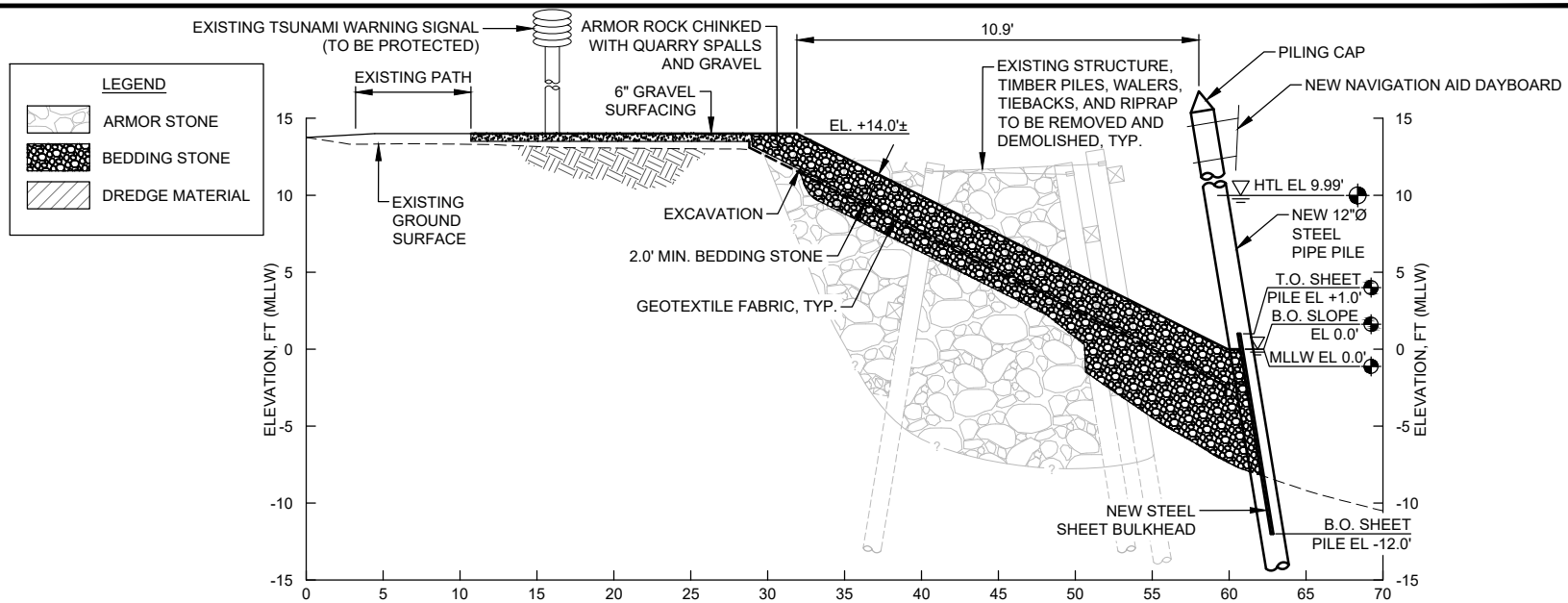
IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

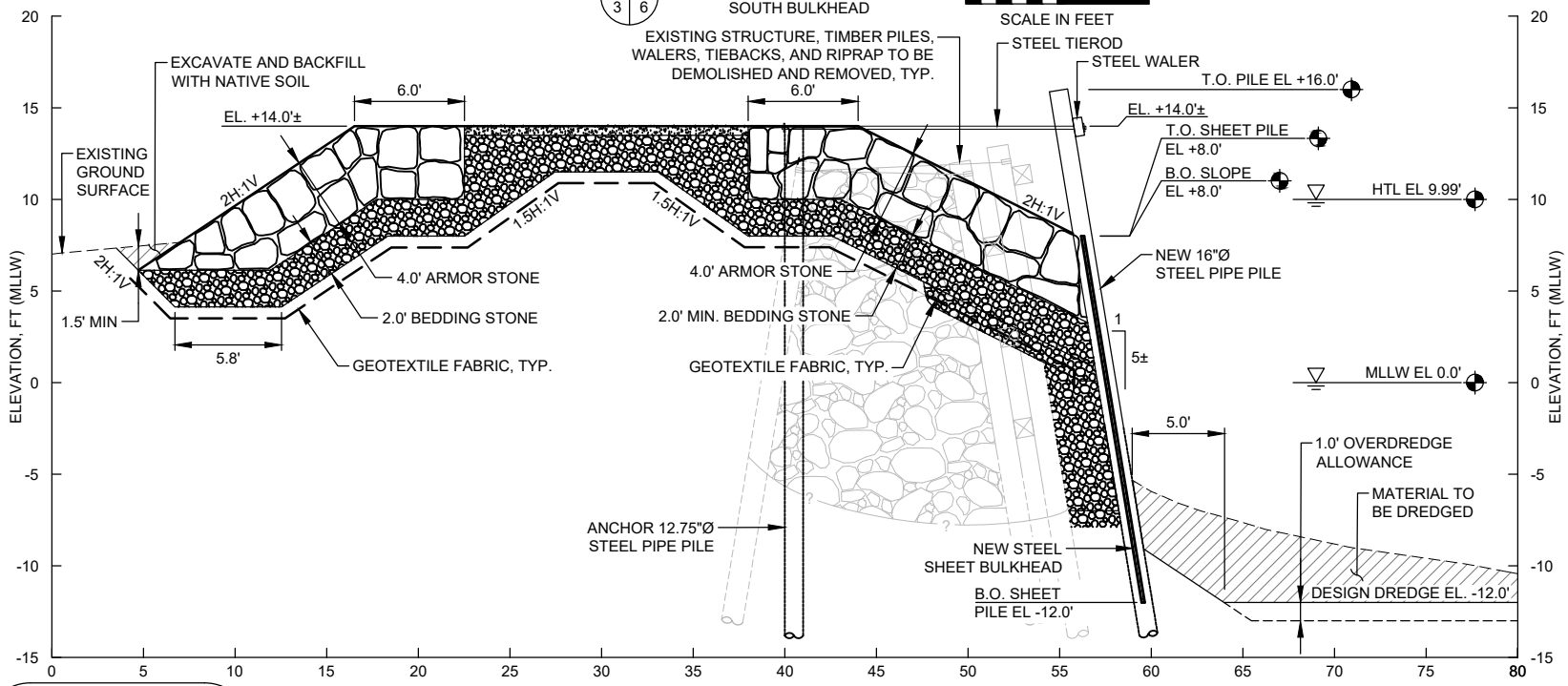
SHEET 6 OF 10

DATE: 10/9/20



E 3 6 PROPOSED SECTION
SOUTH BULKHEAD

0 6 12
SCALE IN FEET



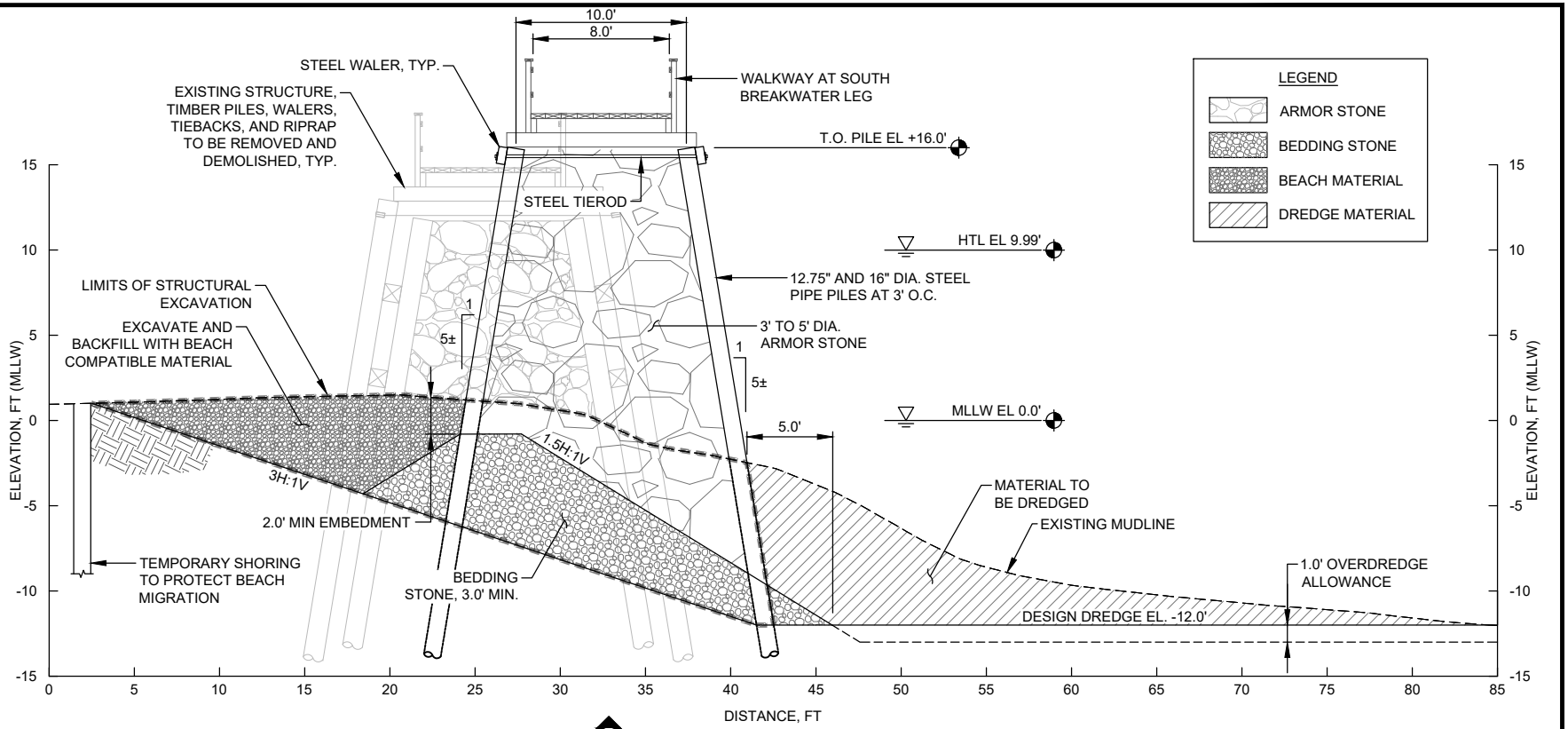
DRAFT

F 3 6 PROPOSED SECTION
SOUTH BULKHEAD

0 5 10
SCALE IN FEET

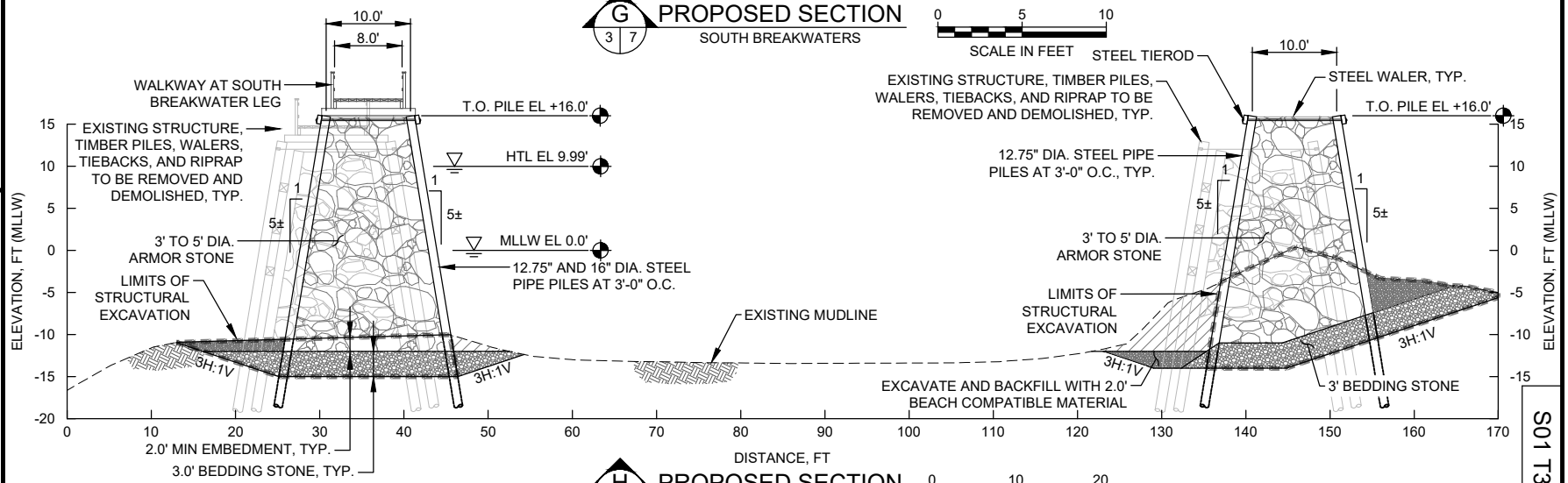
S01 T30N R01W

FILE: C:\pwworking\hmm\ports_harbors\tad69807\dms24835\Point Hudson - Sections.dwg DATE: 4/16/2021 USER: Brice Tadlock



G 3 7 PROPOSED SECTION
SOUTH BREAKWATERS

0 5 10
SCALE IN FEET



H 3 7 PROPOSED SECTION
NORTH / SOUTH BREAKWATERS

0 10 20
SCALE IN FEET

DRAFT

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

PROPOSED SECTIONS 2

PROPOSED: REPLACEMENT EXISTING BREAKWATER

IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

SHEET 7 OF 10

DATE: 10/9/20

S01 T30N R01W

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

PROPOSED SECTIONS 3

PROPOSED: REPLACEMENT EXISTING BREAKWATER

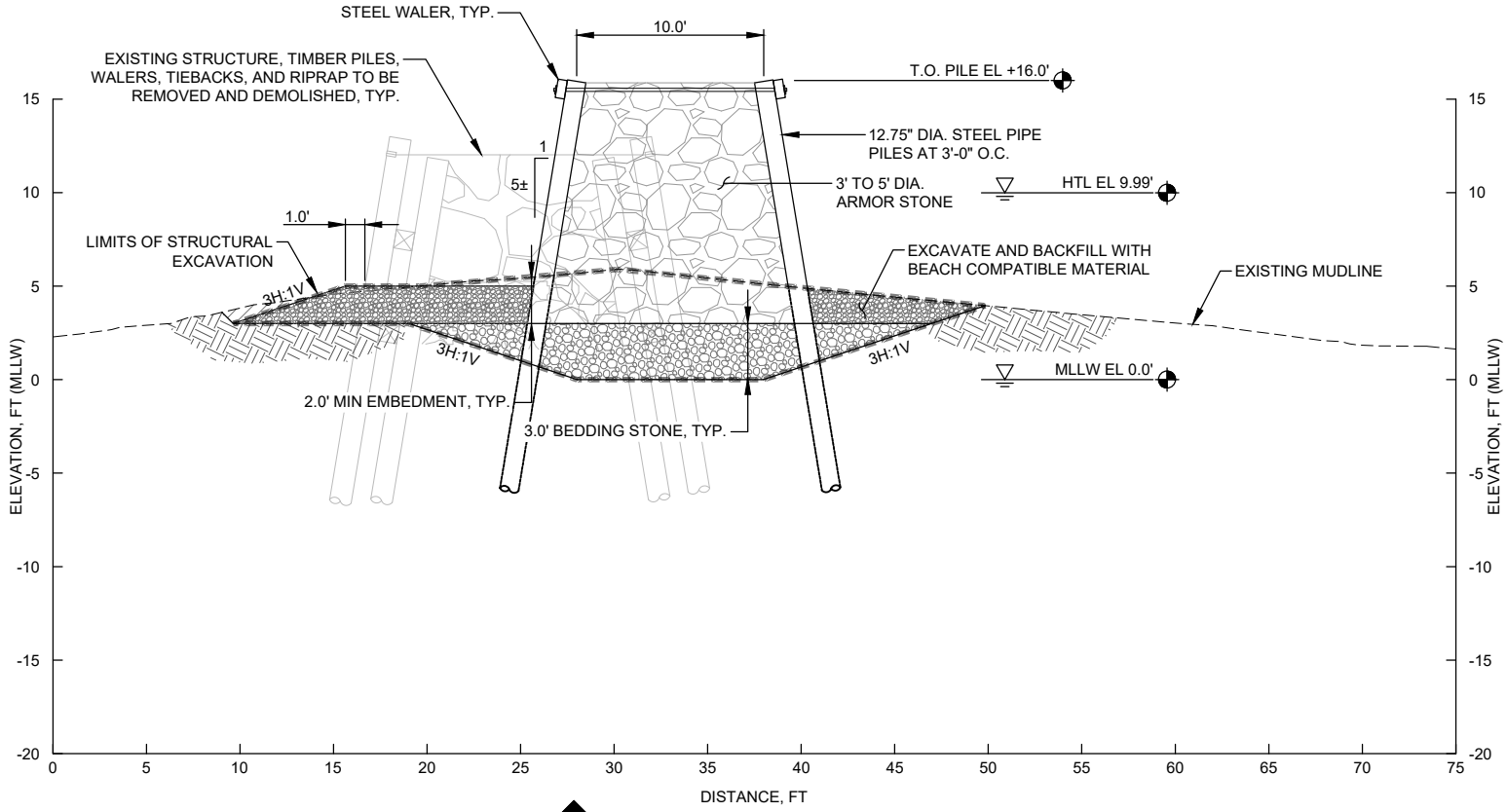
IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

SHEET 8 OF 10

DATE: 10/9/20



1 / 3 8 PROPOSED SECTION

NORTH BREAKWATER

0 5 10

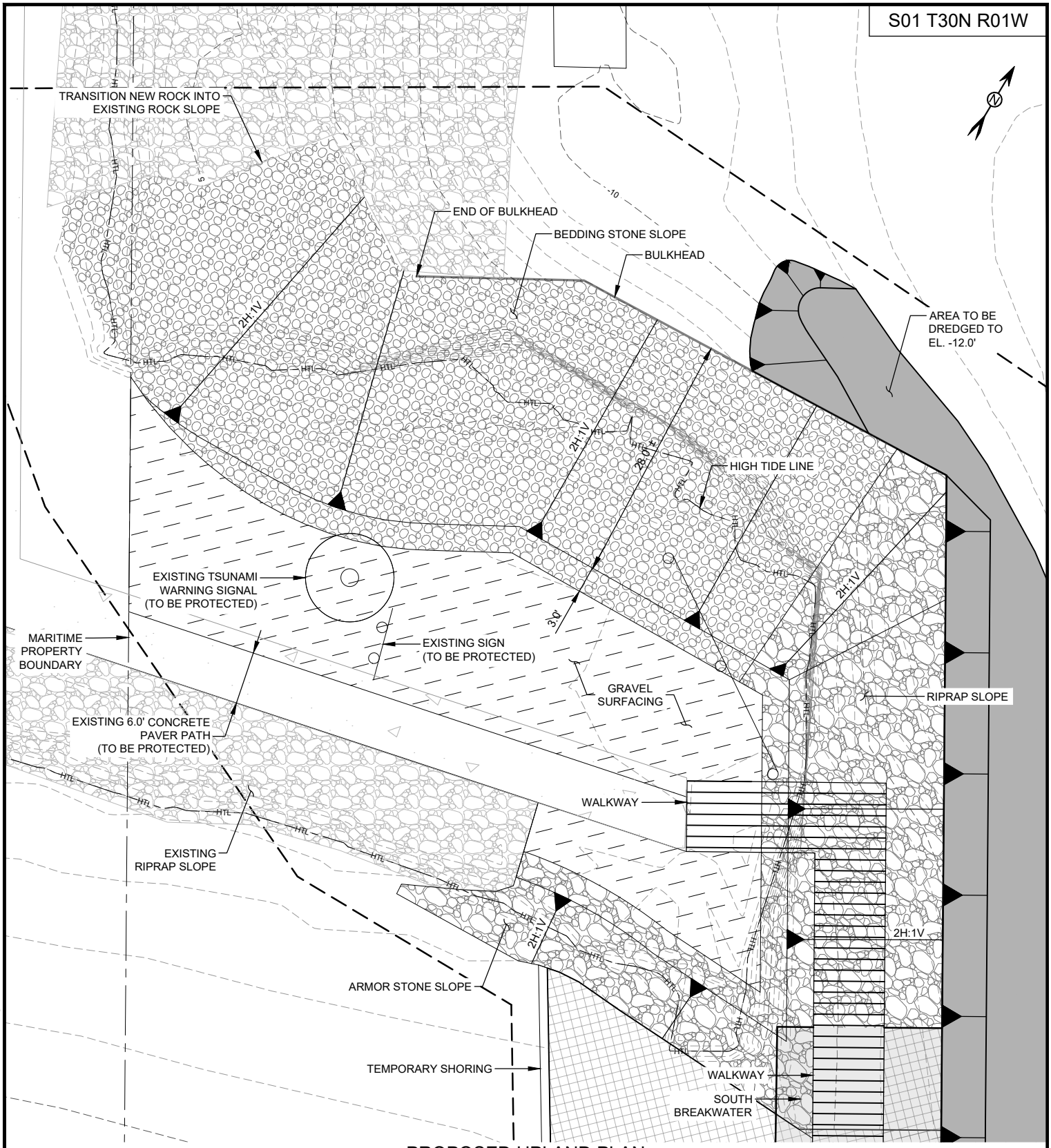
SCALE IN FEET

LEGEND

- ARMOR STONE
- BEDDING STONE
- BEACH MATERIAL

DRAFT

S01 T30N R01W



PROPOSED UPLAND PLAN

0 7.5 15

SCALE IN FEET

DRAFT

PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

PROPOSED UPLAND PLAN

PROPOSED:
REPLACEMENT EXISTING BREAKWATER

IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

SHEET 9 OF 10 DATE: 10/9/20

FILE: C:\pwworking\hmm\ports_harbors\tad69807\dms24835\Point Hudson - Site Plans.dwg DATE: 4/16/2021 USER: Brice Tadlock

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PURPOSE: REPLACE EXISTING BREAKWATER FOR MARINA PROTECTION

VERTICAL DATUM: MLLW

APPLICATION BY: PORT OF PORT TOWNSEND

USACE #: NWS-2020-XX

ADJACENT PROPERTY OWNERS:

1. PORT OF PORT TOWNSEND
2. CITY OF PORT TOWNSEND

POINT HUDSON MARINA BREAKWATER REPLACEMENT

NAVIGATION AID DETAILS

PROPOSED: REPLACEMENT EXISTING BREAKWATER

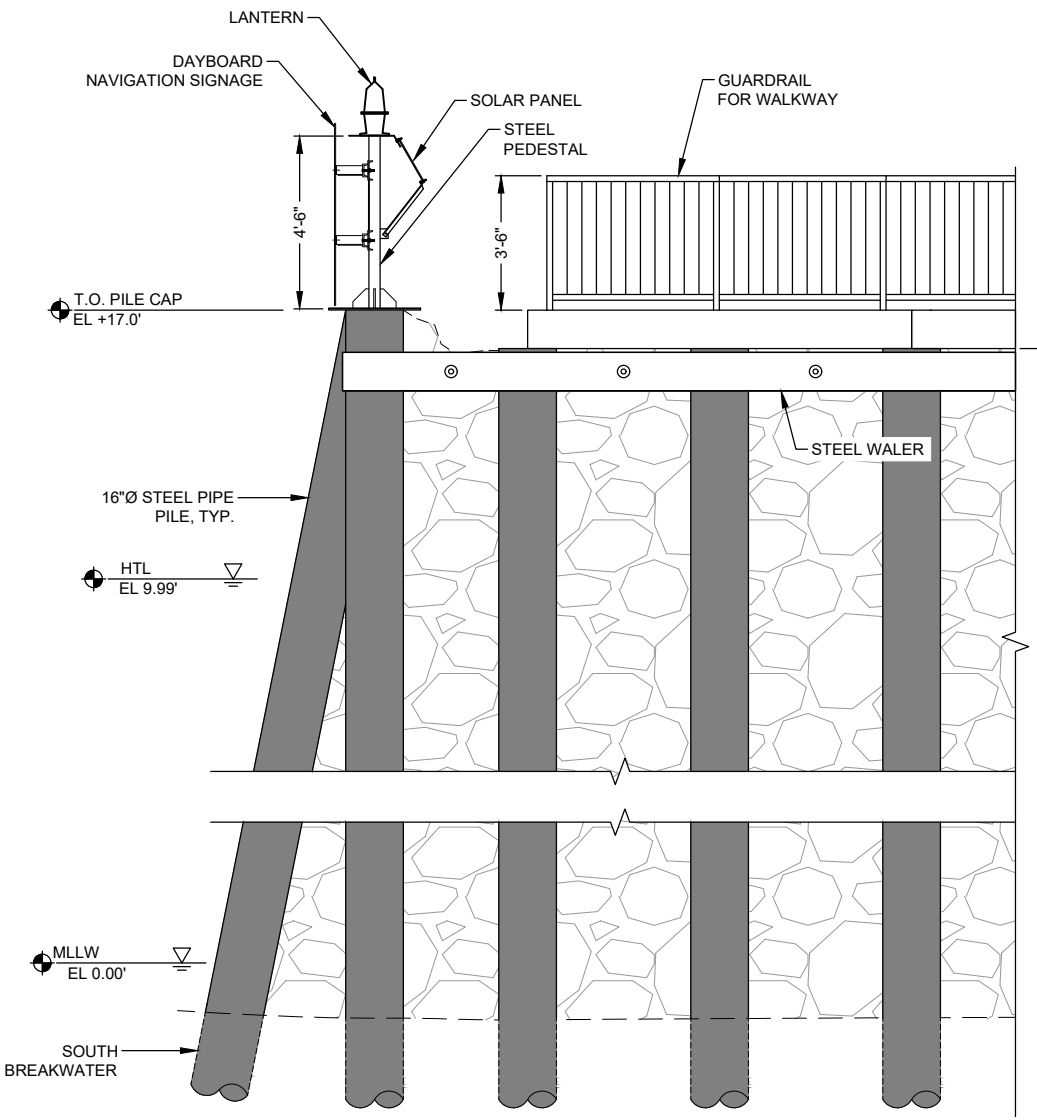
IN: PORT TOWNSEND BAY, ADMIRALTY INLET

AT: PORT TOWNSEND, WA

COUNTY: JEFFERSON COUNTY

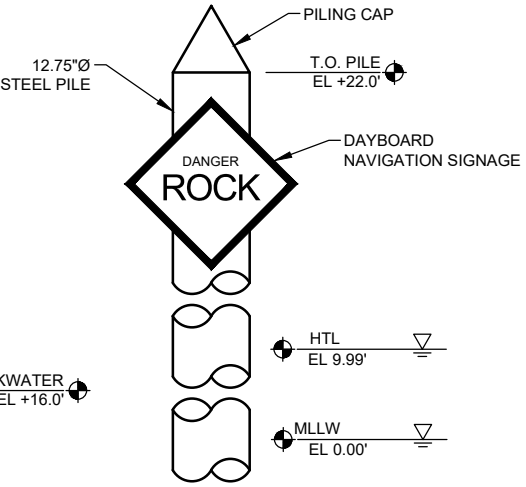
SHEET 10 OF 10

DATE: 10/9/20



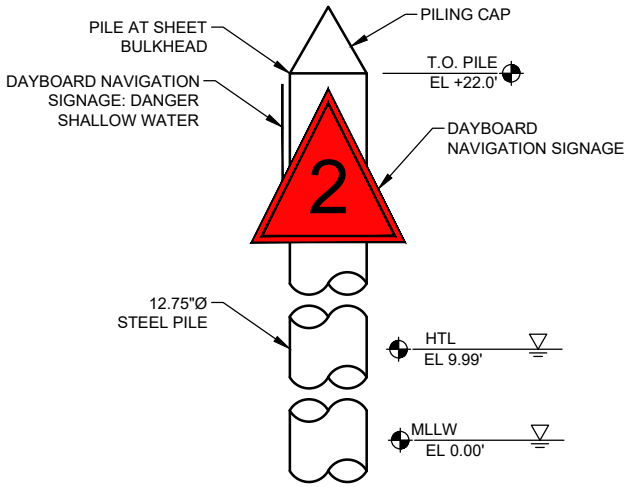
1 | 3 | 10 DETAIL
PROPOSED NAVIGATION AID

0 2.5 5
SCALE IN FEET



2 | 3 | 10 DETAIL
PROPOSED NAVIGATION AID

0 2.5 5
SCALE IN FEET



3 | 3 | 10 DETAIL
PROPOSED NAVIGATION AID

0 2.5 5
SCALE IN FEET

DRAFT

S01 T30N R01W