

TIDAL DATA	
EST HTL	+20.0'±
MHHW	+15.3'
MHW	+14.4'
MLLW	0.0'
ELW	-5.0'

ELW IS ESTIMATED FROM NOAA FEB 2010 CONCEPTS

REGIONAL MAP
SCALE: N.T.S.

PURPOSE:
WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

KEY AND REGIONAL MAPS

APPLICATION BY:
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY
PROJECT NO. 70006
AT: WARD COVE, KETCHIKAN, ALASKA
LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 1 OF 17 DATE: 01/06/15



SCALE: N.T.S.

PURPOSE:

WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:

WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

**VICINITY AND LOCATION MAPS
WARD COVE**

NOT TO SCALE

APPLICATION BY:

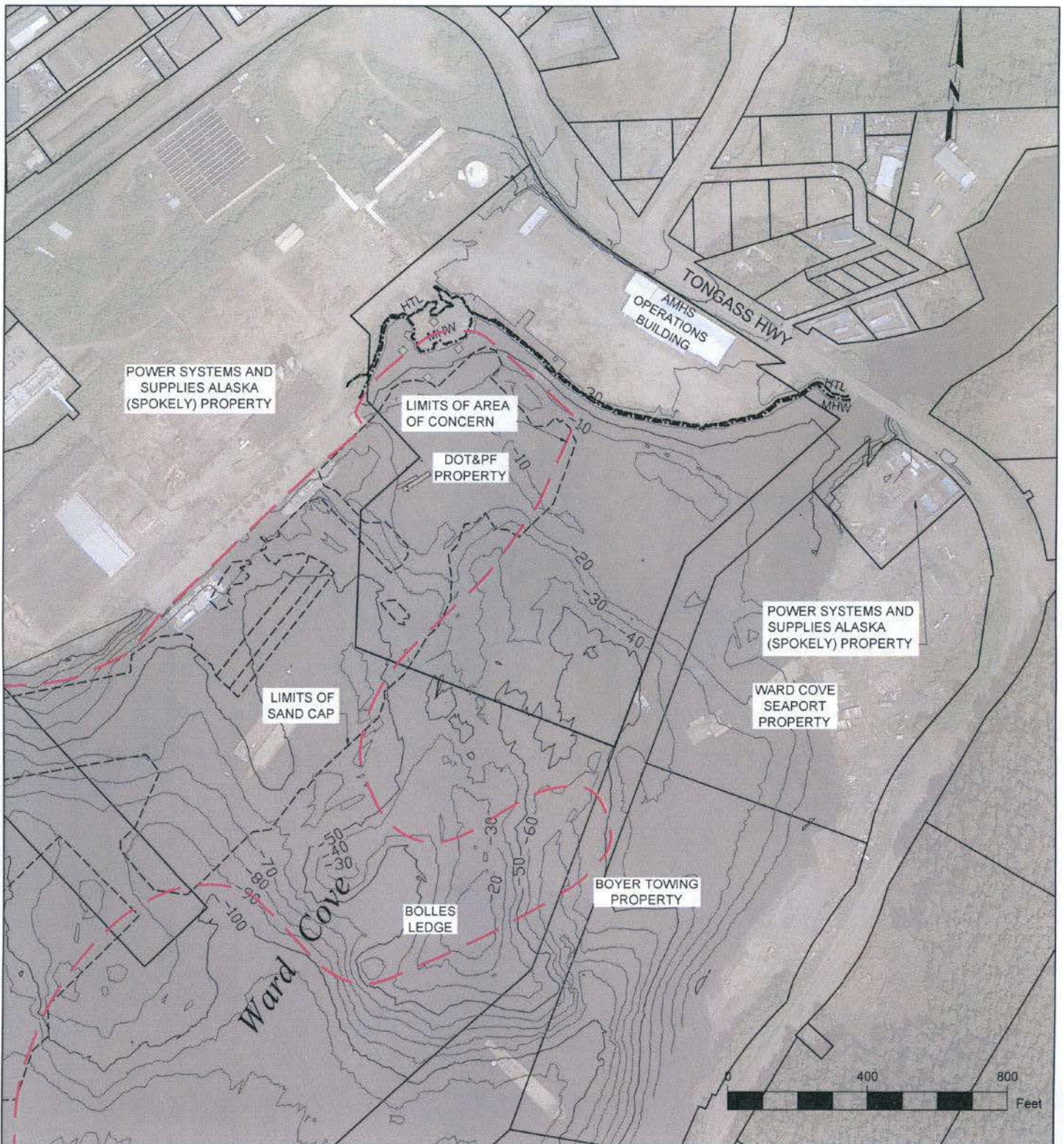
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY
PROJECT NO. 70006

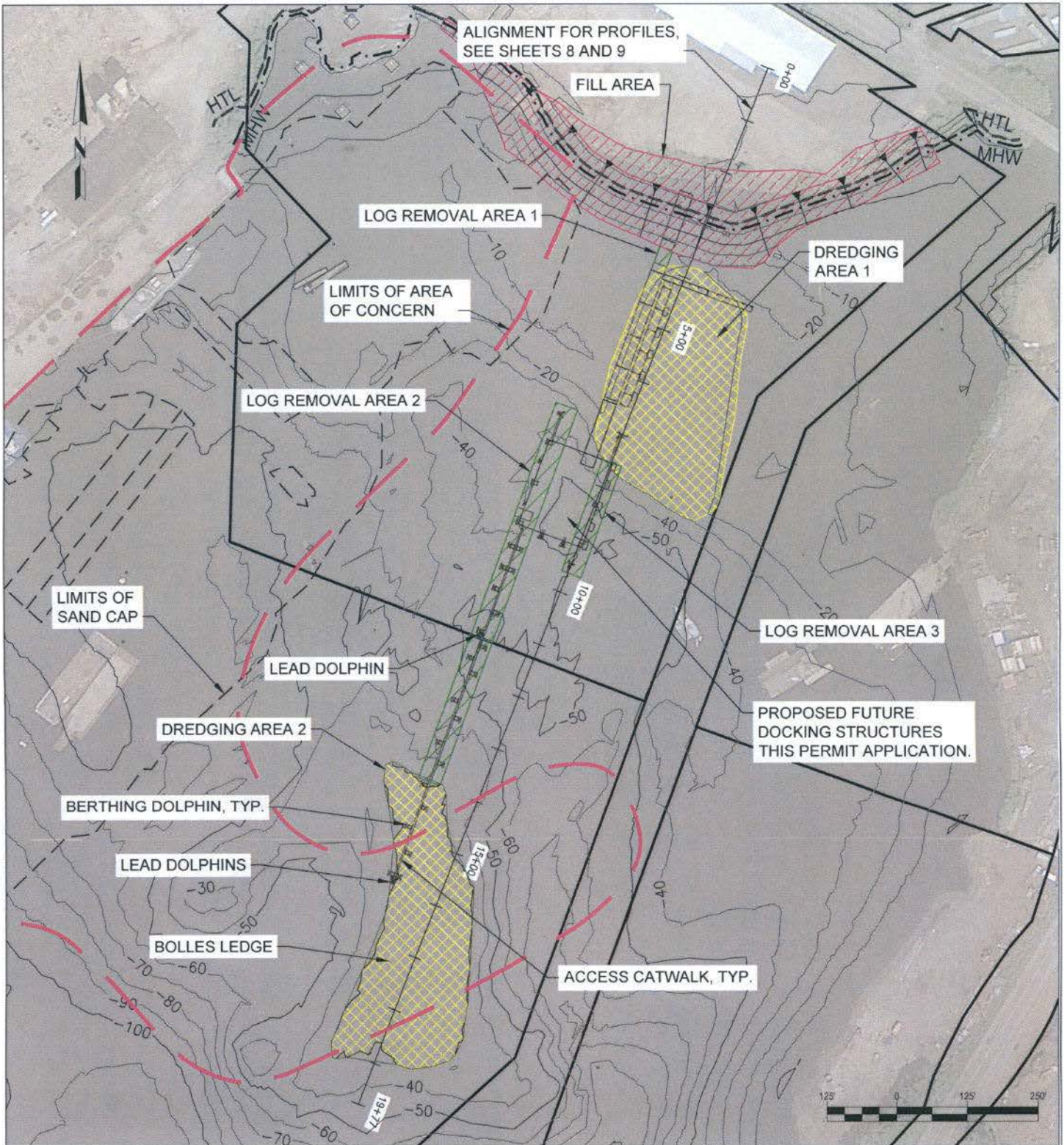
AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH
RANGE 91 EAST
SECTION 30, CRM

SHEET: 2 OF 17 DATE: 01/06/15



<p>PURPOSE: WARD COVE DREDGING & UPLANDS RESTORATION</p> <p>ADJACENT PROPERTY OWNERS: WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA</p>	<p>EXISTING SITE</p> <p>APPLICATION BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION</p>	<p>WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006</p> <p>AT: WARD COVE, KETCHIKAN, ALASKA</p> <p>LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM</p> <p>SHEET: 3 OF 17 DATE: 01/06/15</p>
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PURPOSE:

WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:

WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

PROPOSED IMPROVEMENTS

APPLICATION BY:

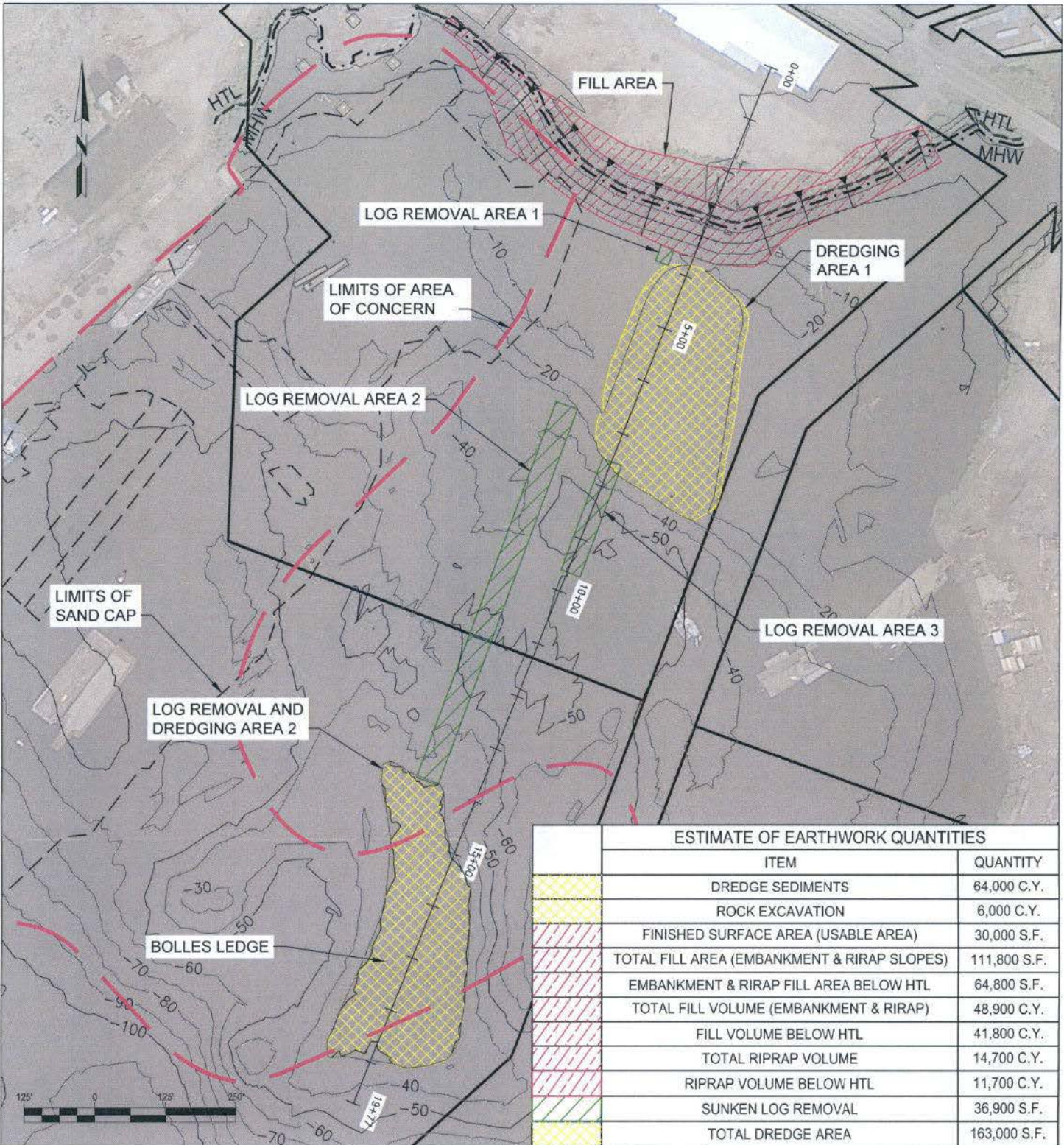
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 4 OF 17 DATE: 01/06/15



ESTIMATE OF EARTHWORK QUANTITIES	
ITEM	QUANTITY
DREDGE SEDIMENTS	64,000 C.Y.
ROCK EXCAVATION	6,000 C.Y.
FINISHED SURFACE AREA (USABLE AREA)	30,000 S.F.
TOTAL FILL AREA (EMBANKMENT & RIPRAP SLOPES)	111,800 S.F.
EMBANKMENT & RIPRAP FILL AREA BELOW HTL	64,800 S.F.
TOTAL FILL VOLUME (EMBANKMENT & RIPRAP)	48,900 C.Y.
FILL VOLUME BELOW HTL	41,800 C.Y.
TOTAL RIPRAP VOLUME	14,700 C.Y.
RIPRAP VOLUME BELOW HTL	11,700 C.Y.
SUNKEN LOG REMOVAL	36,900 S.F.
TOTAL DREDGE AREA	163,000 S.F.

PURPOSE:
WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

PROPOSED PHASE I EARTHWORK

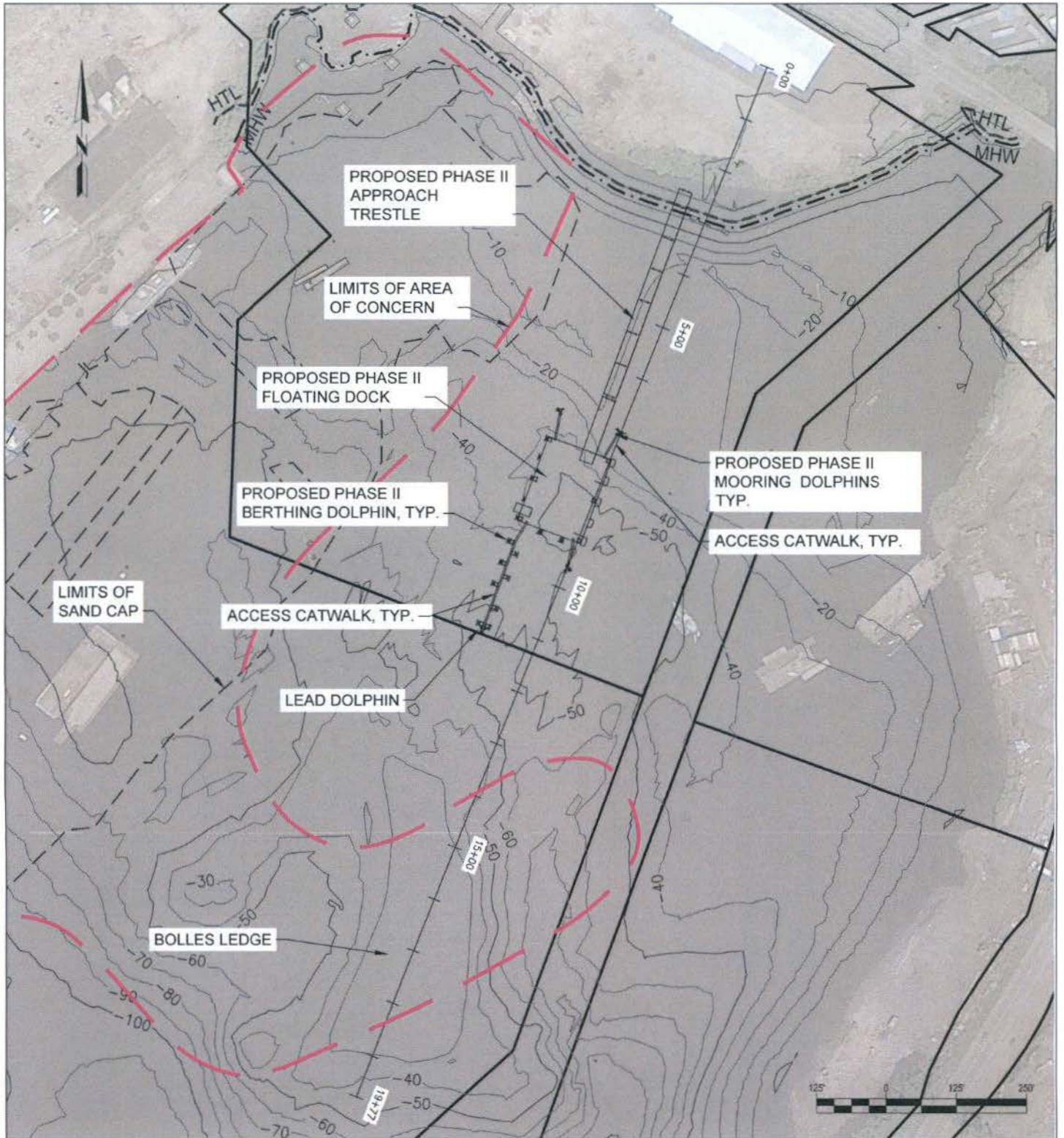
APPLICATION BY:
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 5 OF 17 DATE: 01/06/15



PURPOSE:
WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

PROPOSED PHASE II BERTH CONSTRUCTION

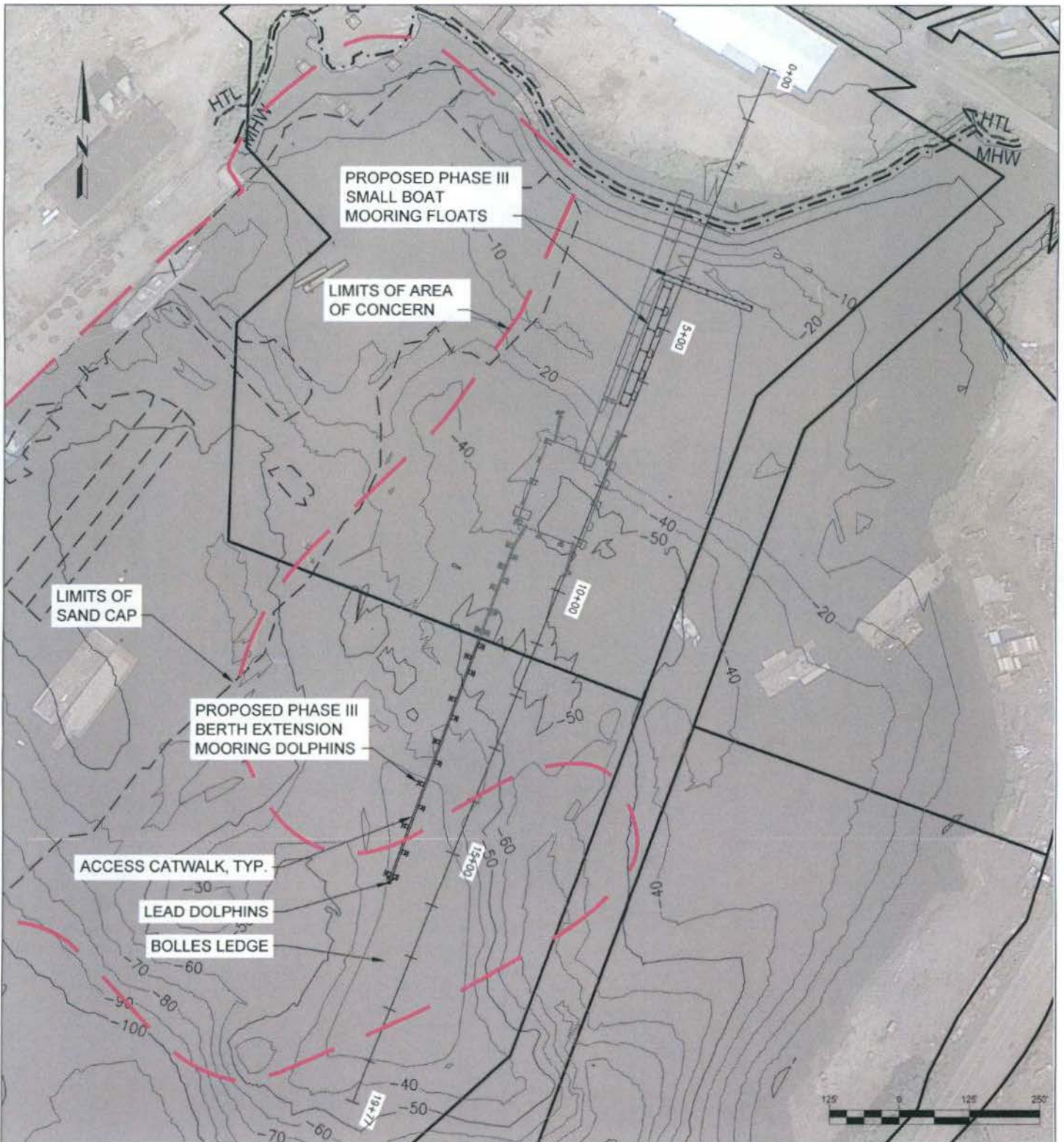
APPLICATION BY:
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 6 OF 17 DATE: 01/06/15



PURPOSE:
 WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
 WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

PROPOSED PHASE III BERTH EXTENSION

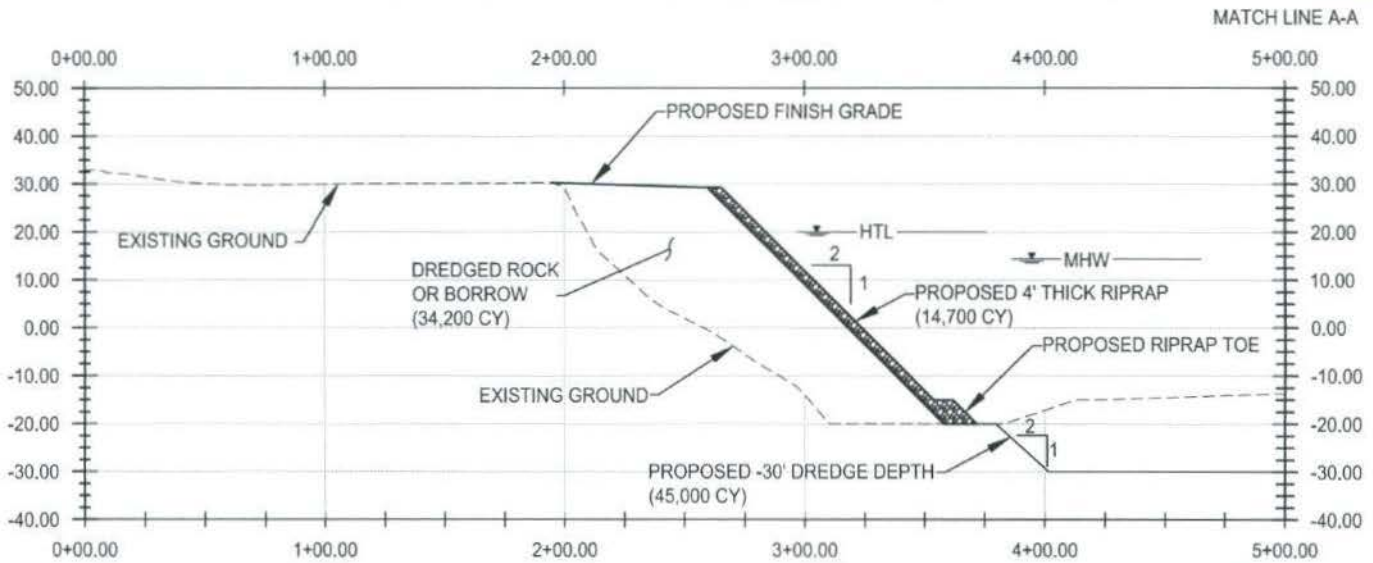
APPLICATION BY:
 STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

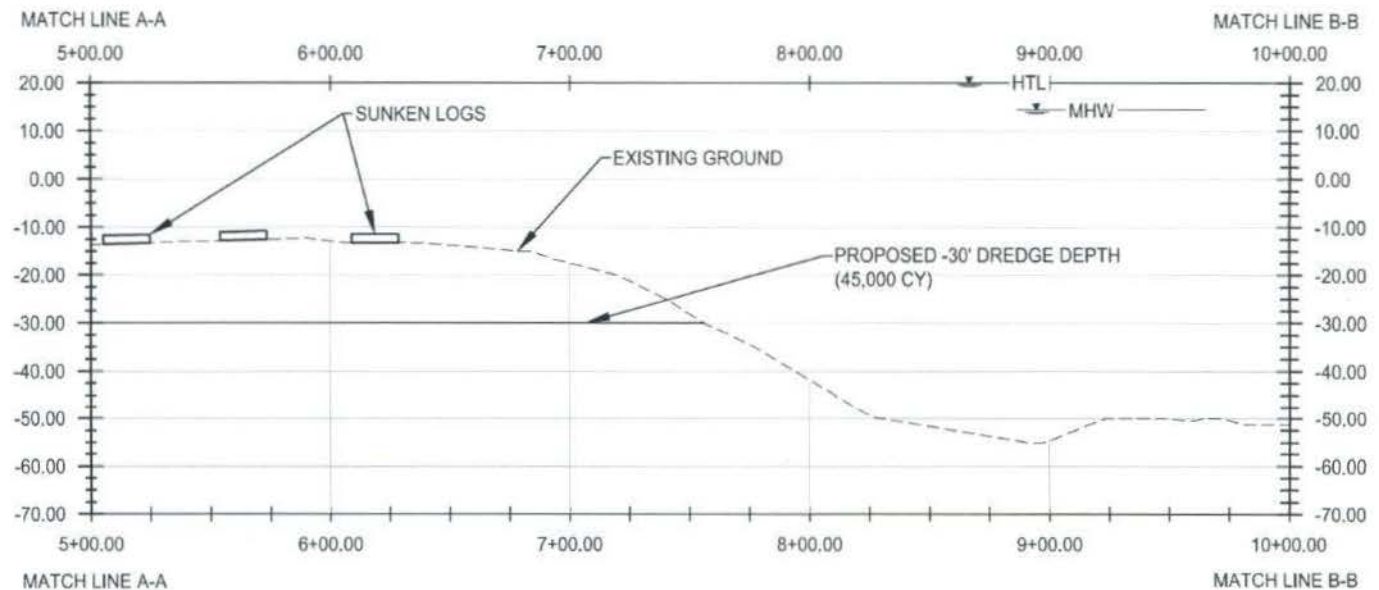
AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 7 OF 17 DATE: 01/06/15



A PROFILE UPLANDS AND DREDGING
 P8 SCALE: 1"=80' VERTICAL EXAGGERATION 1H:2V



A PROFILE DREDGING
 P8 SCALE: 1"=80' VERTICAL EXAGGERATION 1H:2V

PURPOSE:
 WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
 WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA



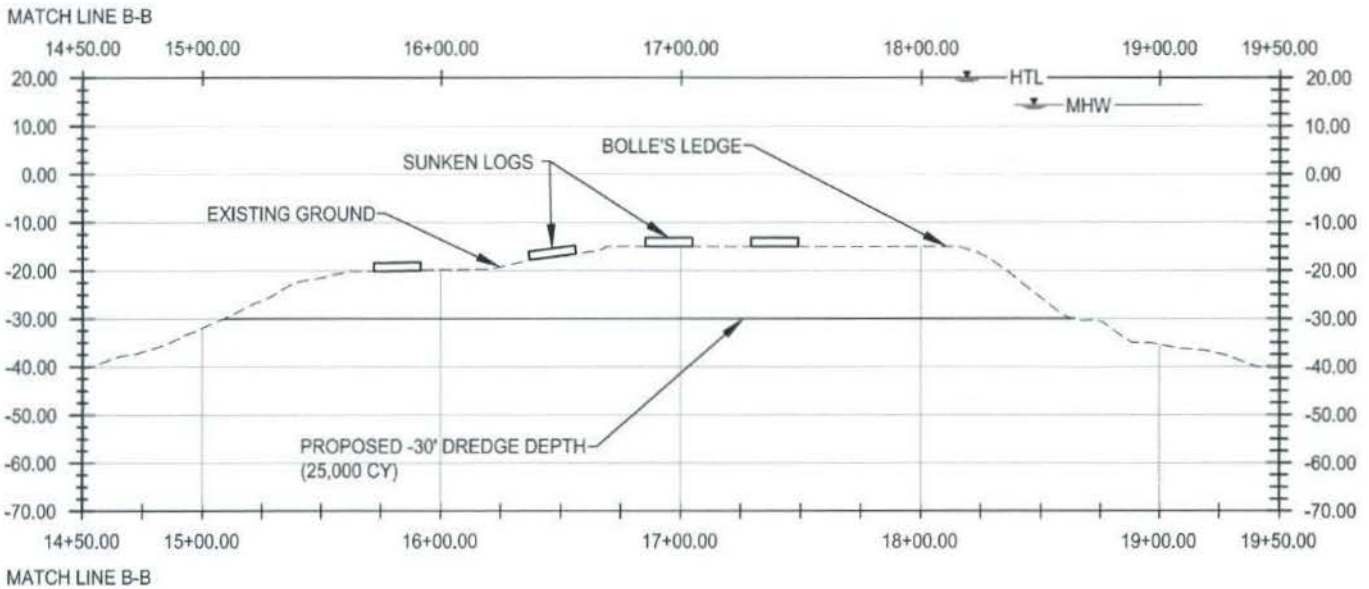
APPLICATION BY:
 STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

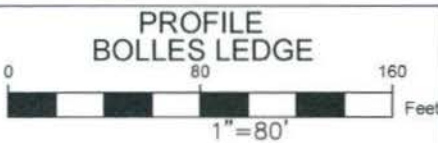
SHEET: 8 OF 17 DATE: 01/06/15



A PROFILE BOLLES LEDGE
 P9 SCALE: 1"=80' VERTICAL EXAGGERATION 1H:2V

PURPOSE:
 WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
 WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA



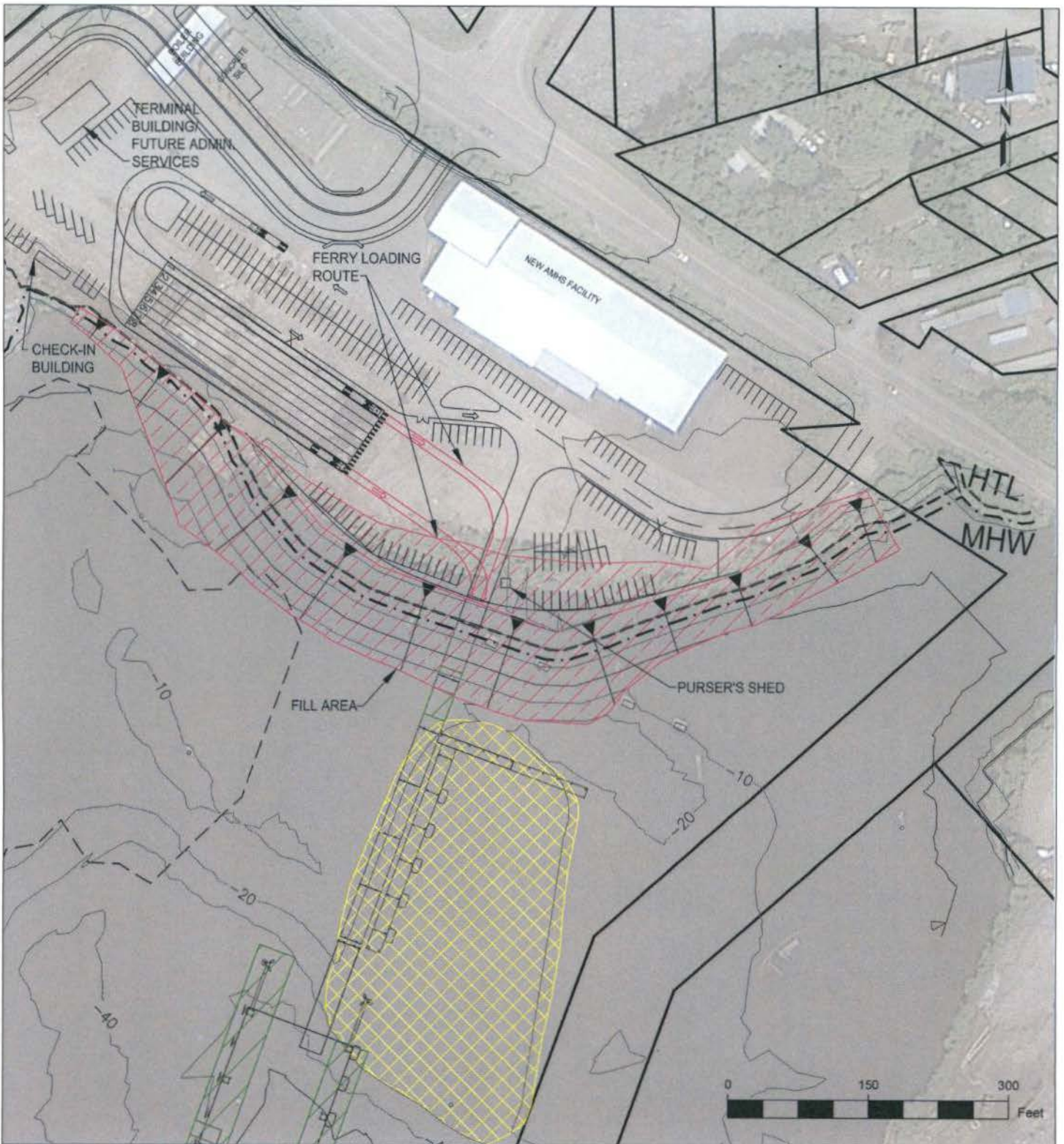
APPLICATION BY:
 STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 9 OF 17 DATE: 01/06/15



PURPOSE:

WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:

WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

UPLANDS & NEAR SHORE PLAN

APPLICATION BY:

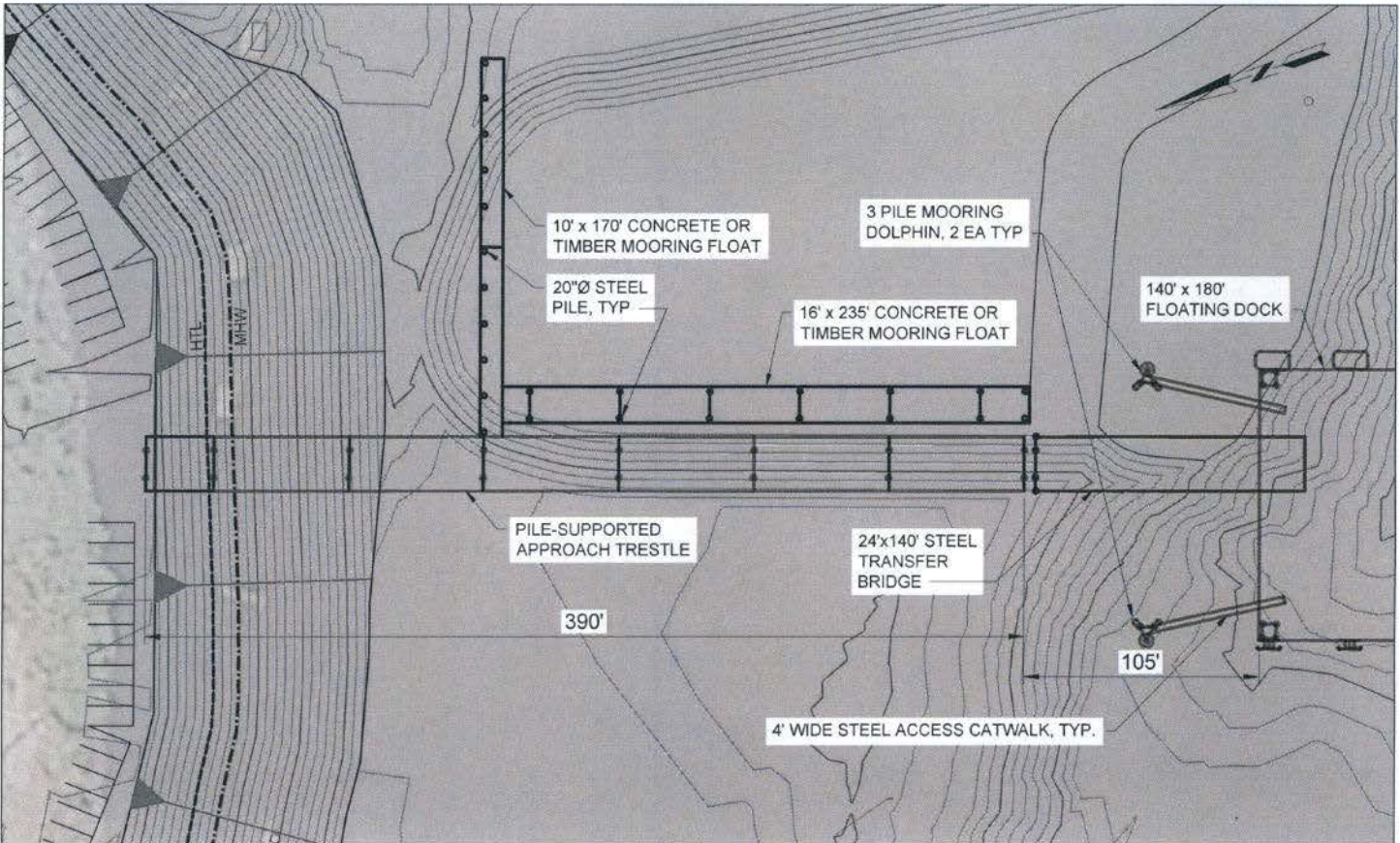
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

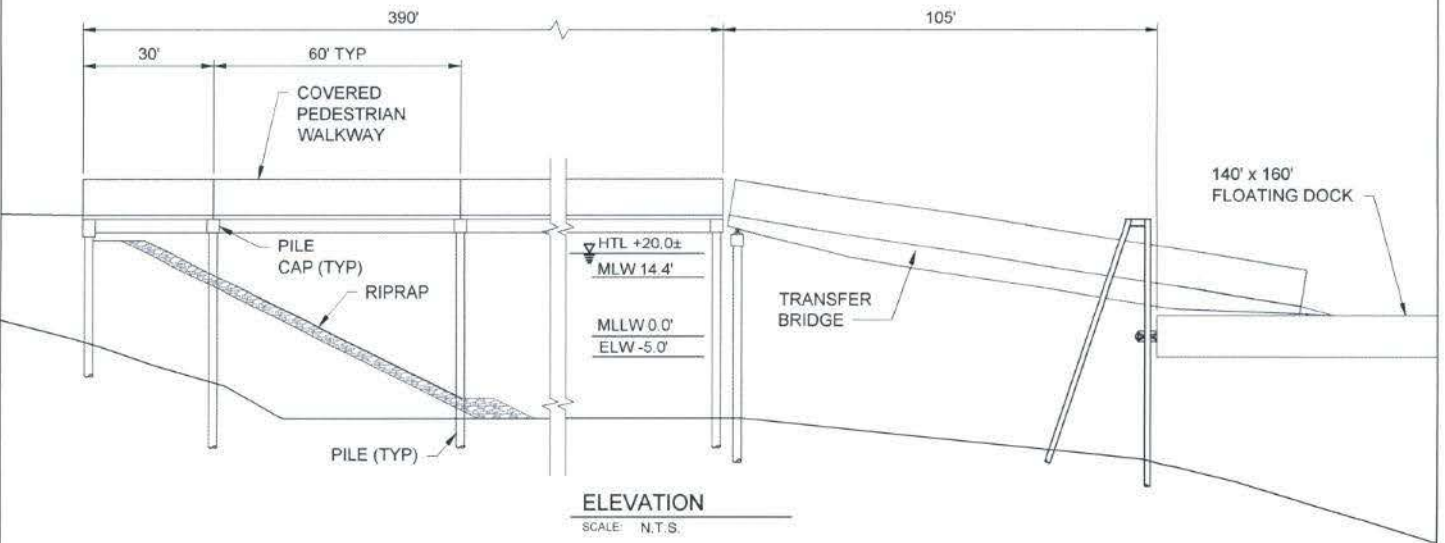
LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 10 OF 17 DATE: 01/06/15



PLAN

SCALE: N.T.S.



ELEVATION

SCALE: N.T.S.

PURPOSE:

WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:

WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

TRESTLE & TRANSFER BRIDGE

APPLICATION BY:

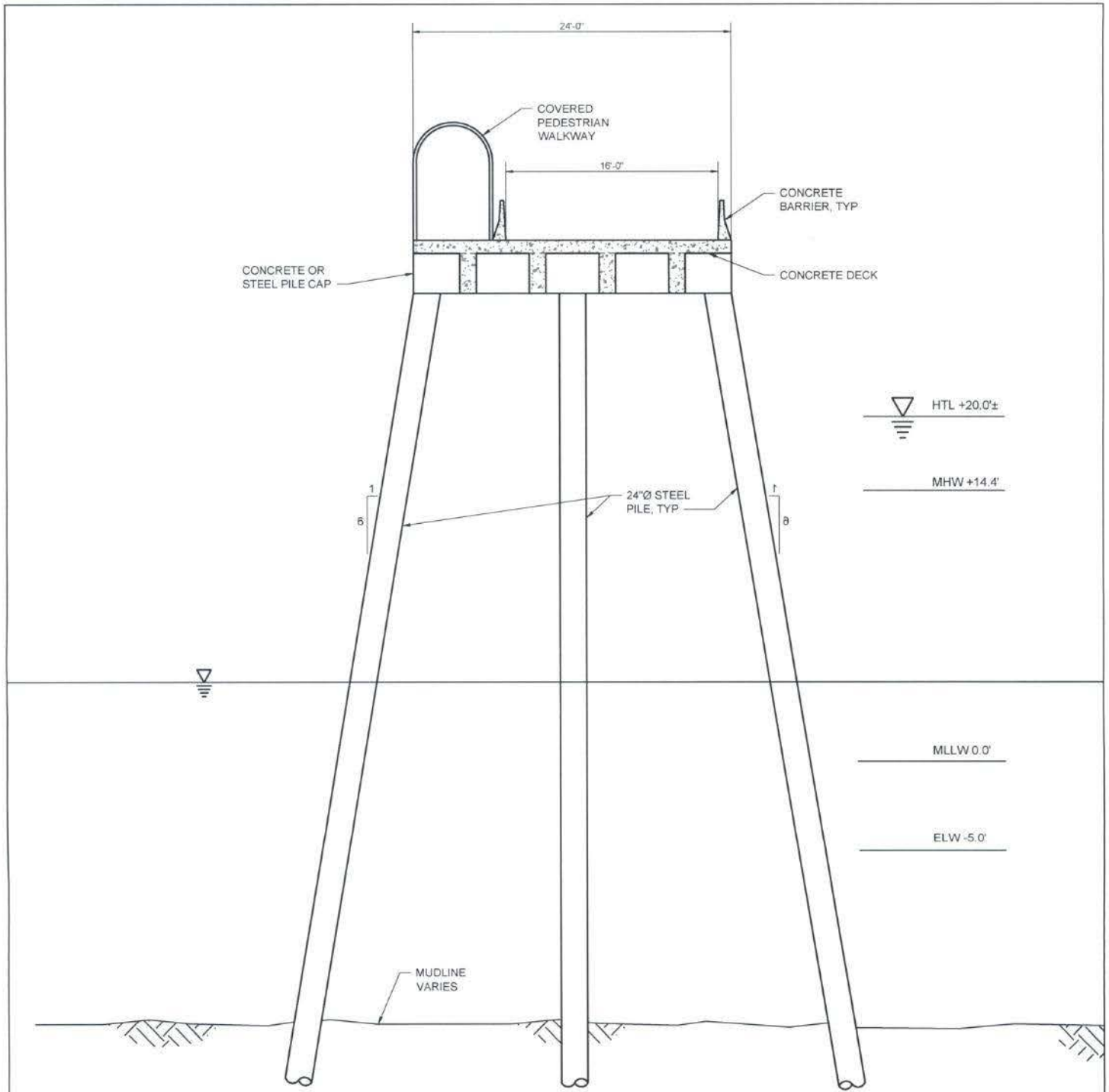
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 11 OF 17 DATE: 01/06/15



A TRESTLE TYPICAL SECTION
 12 SCALE: N.T.S.

PURPOSE:
 WARD COVE DREDGING & UPLANDS RESTORATION

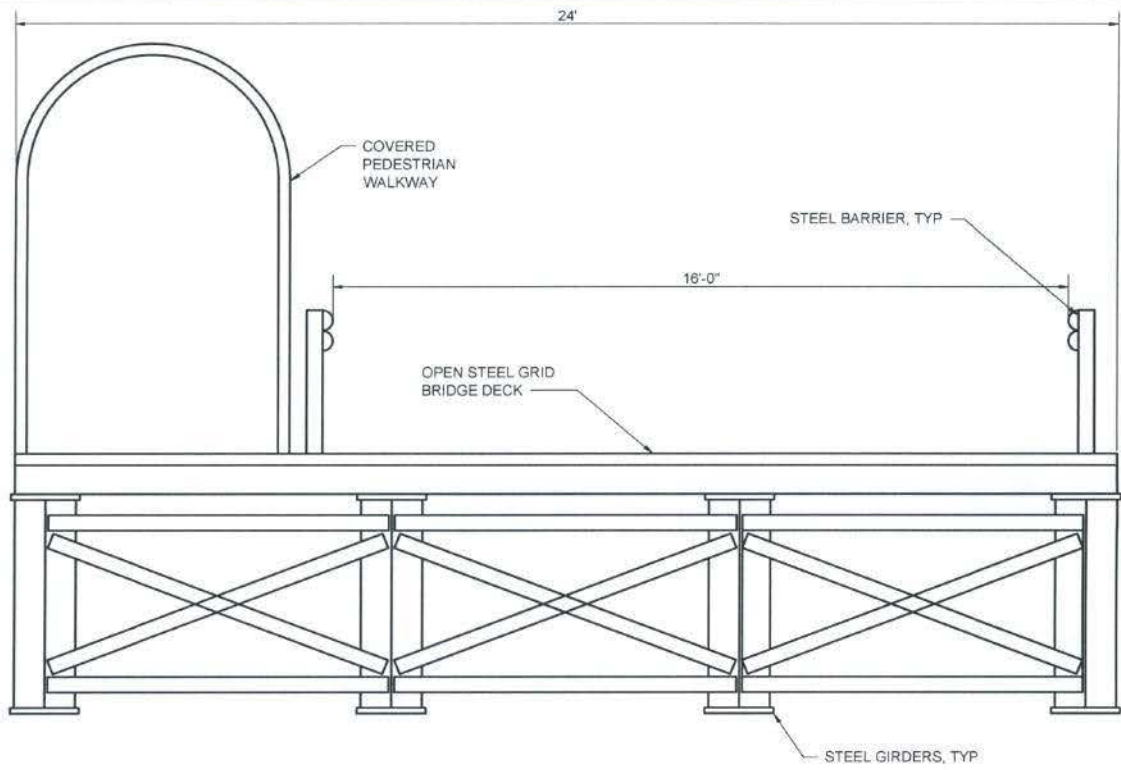
ADJACENT PROPERTY OWNERS:
 WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

TRESTLE - TYPICAL SECTION

APPLICATION BY:
 STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY
PROJECT NO. 70006
AT: WARD COVE, KETCHIKAN, ALASKA
LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

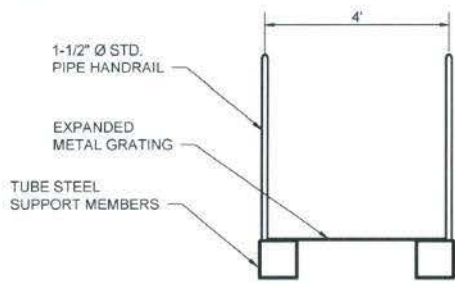
SHEET: 12 OF 17 DATE: 01/06/15



HTL +20.0'±

MHW +14.4'

A TRANSFER BRIDGE SECTION
13 SCALE: N.T.S.

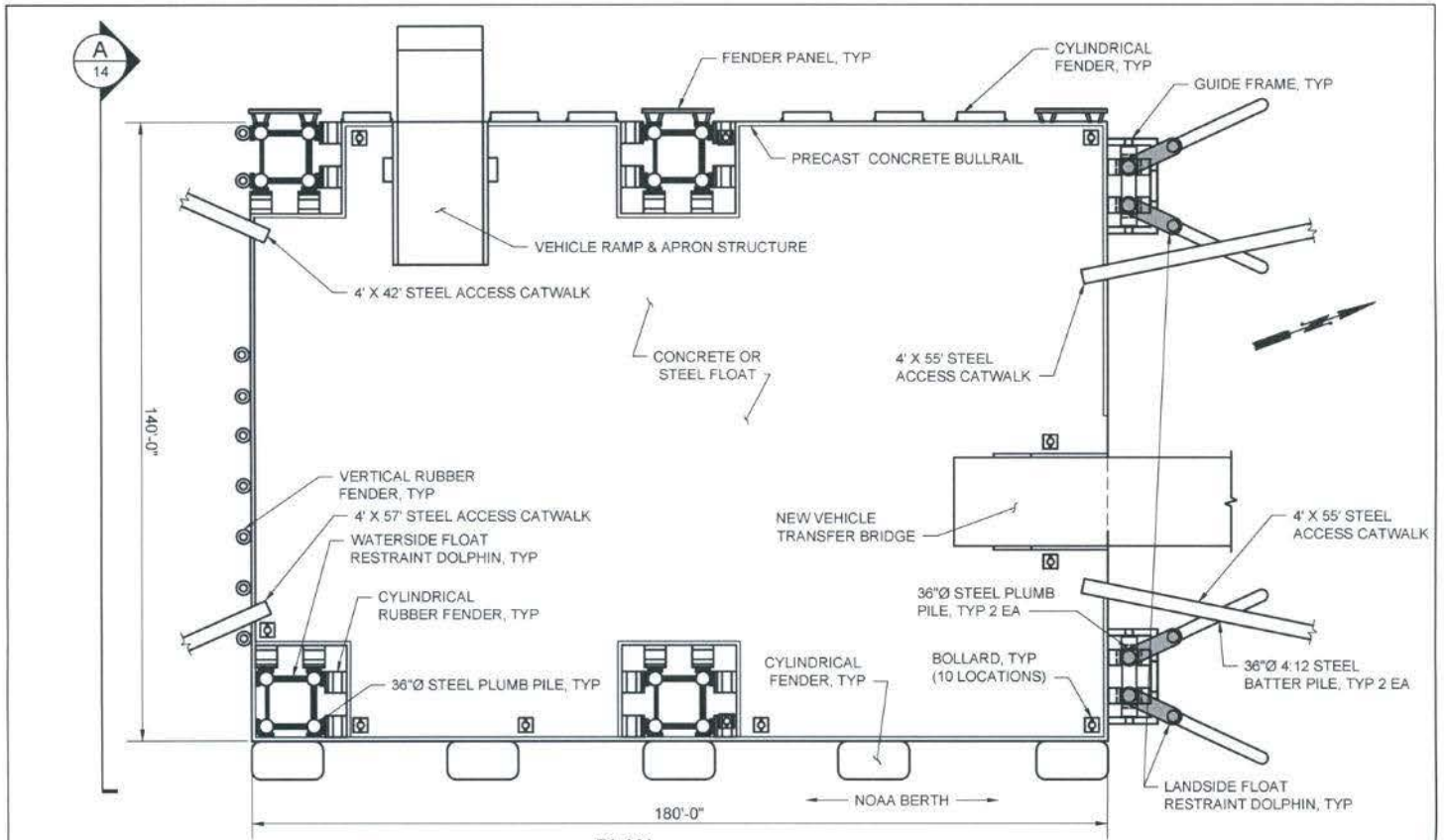


4 EA REQ'D PHASE I
12 EA REQ'D PHASE II

NOTE:
LENGTHS VARY (TYP 40'±)
SEE PLAN

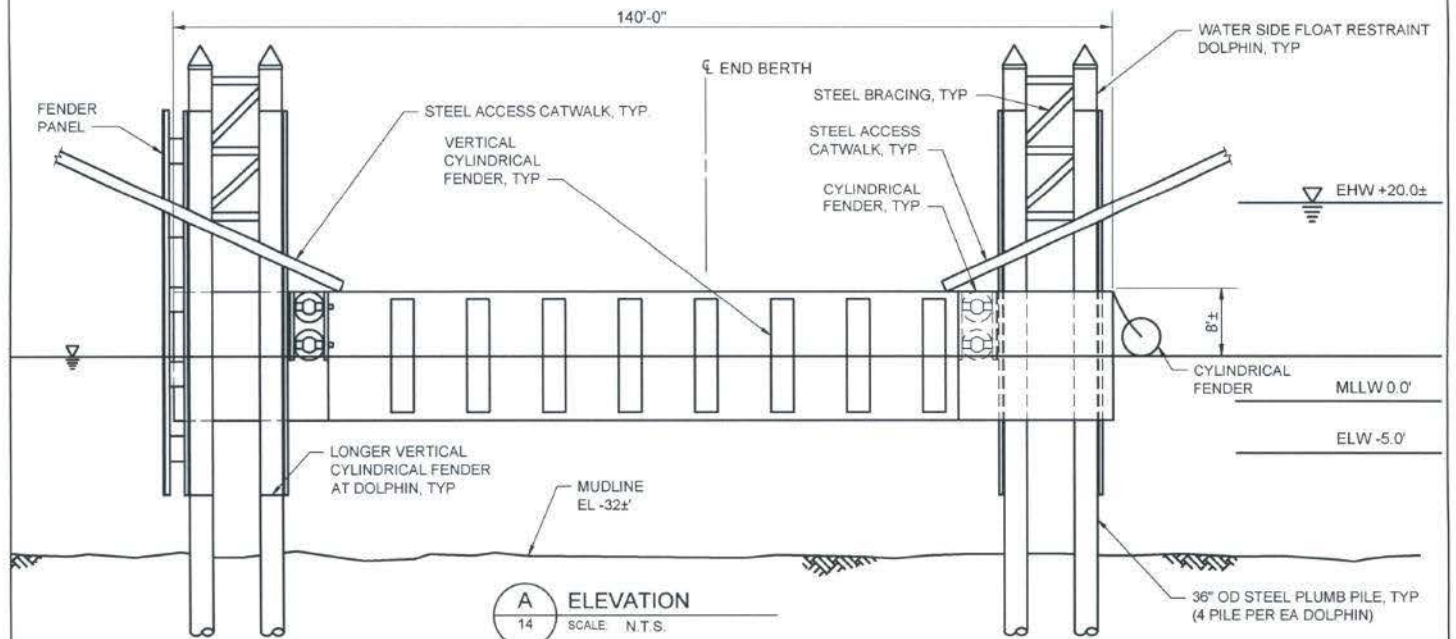
B STEEL ACCESS CATWALK SECTION
13 SCALE: N.T.S.

<p>PURPOSE: WARD COVE DREDGING & UPLANDS RESTORATION</p> <p>ADJACENT PROPERTY OWNERS: WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA</p>	<p>TYPICAL SECTIONS TRANSFER BRIDGE AND STEEL CATWALK</p> <p>APPLICATION BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION</p>	<p>WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006</p> <p>AT: WARD COVE, KETCHIKAN, ALASKA</p> <p>LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM</p> <p>SHEET: 13 OF 17 DATE: 01/06/15</p>
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PLAN

SCALE N.T.S.



A ELEVATION
14 SCALE N.T.S.

PURPOSE:
WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

FLOATING DOCK

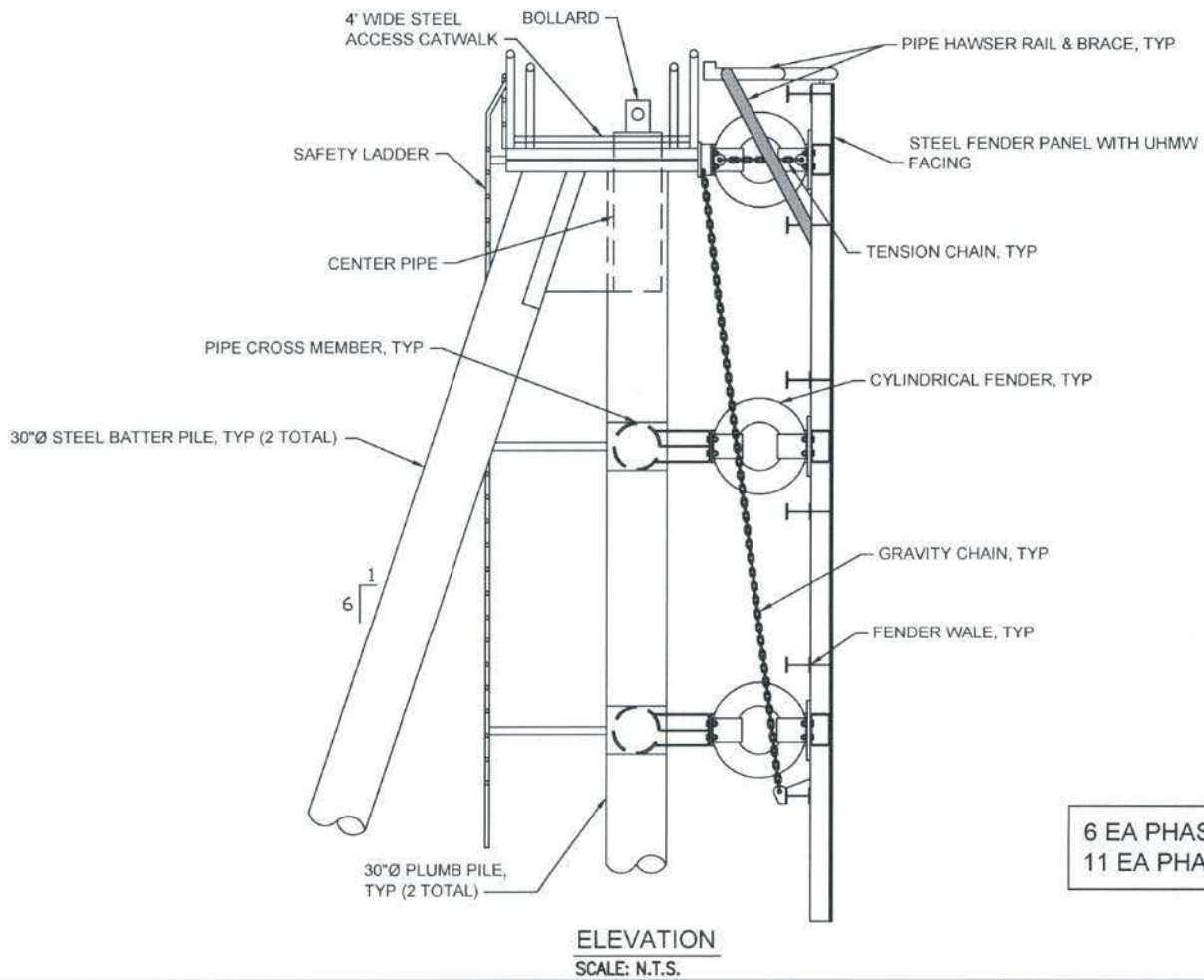
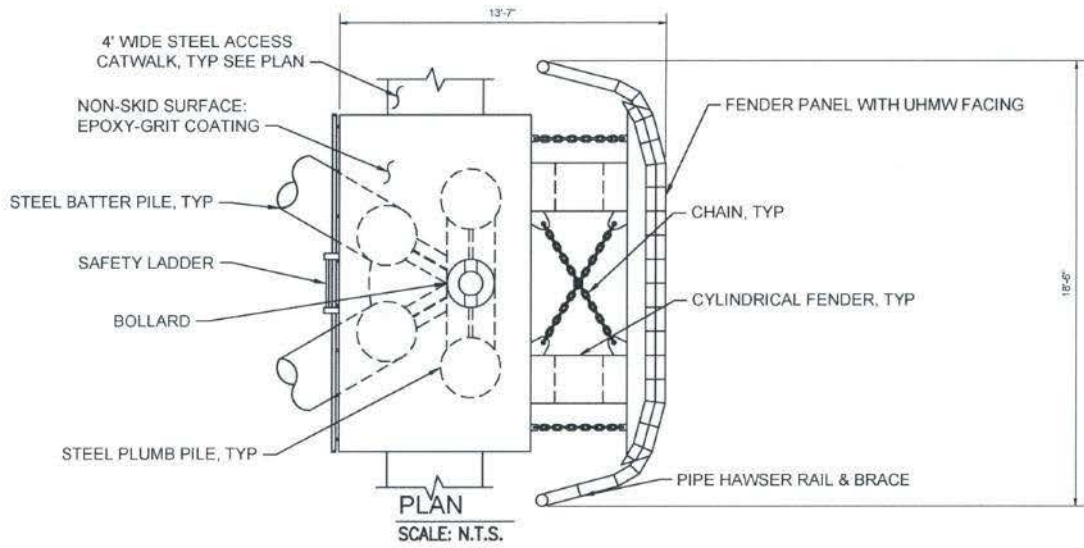
APPLICATION BY:
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 14 OF 17 DATE: 01/06/15



6 EA PHASE II
11 EA PHASE III

PURPOSE:

WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:

WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

4 - PILE BERTHING DOLPHIN

APPLICATION BY:

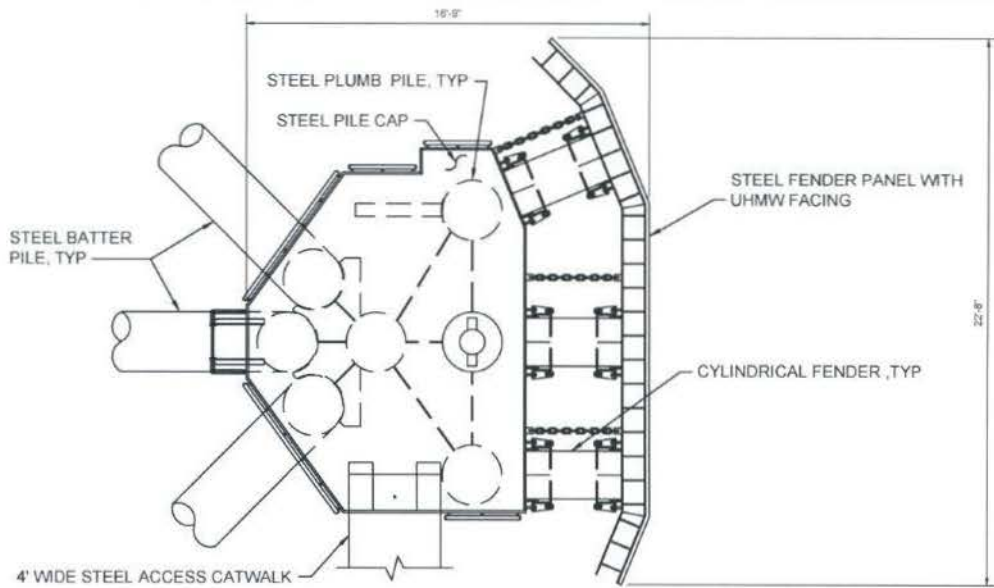
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

AT: WARD COVE, KETCHIKAN, ALASKA

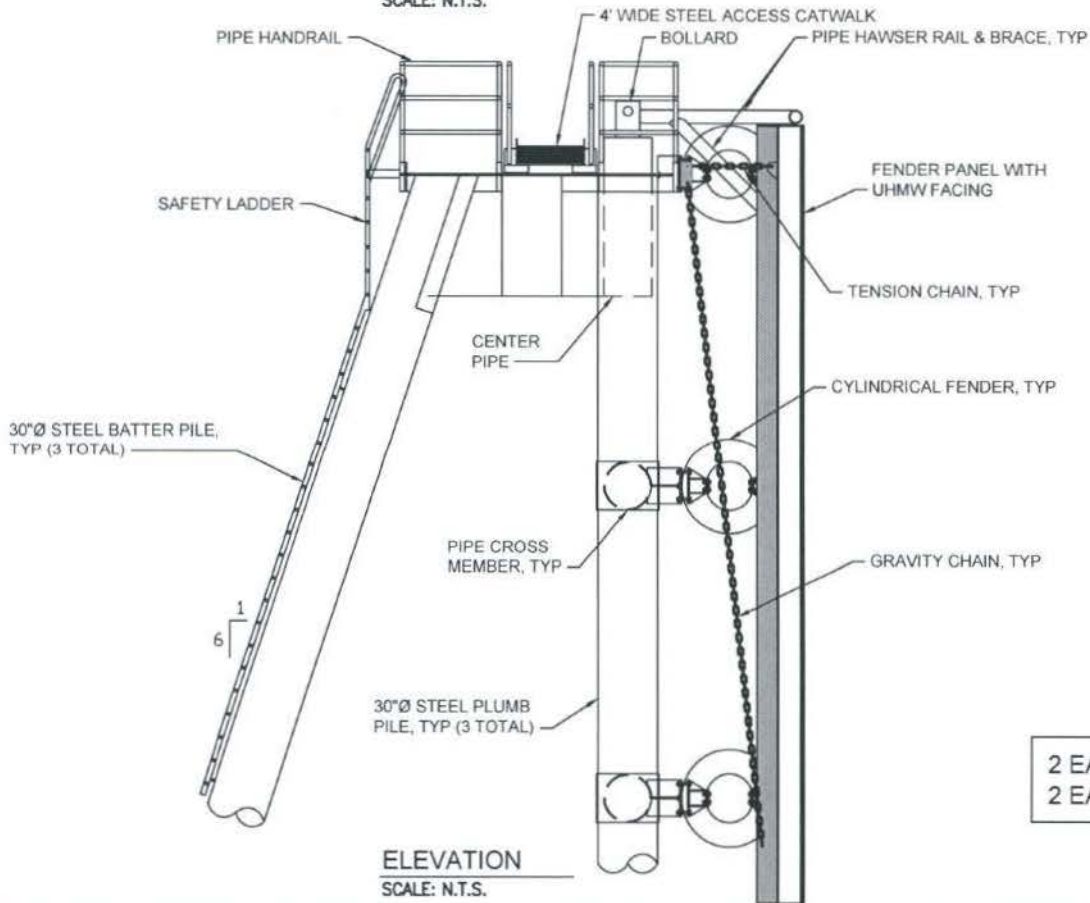
LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 15 OF 17 DATE: 01/06/15



PLAN

SCALE: N.T.S.



ELEVATION

SCALE: N.T.S.

PURPOSE:

WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:

WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

6 - PILE LEAD DOLPHIN

APPLICATION BY:

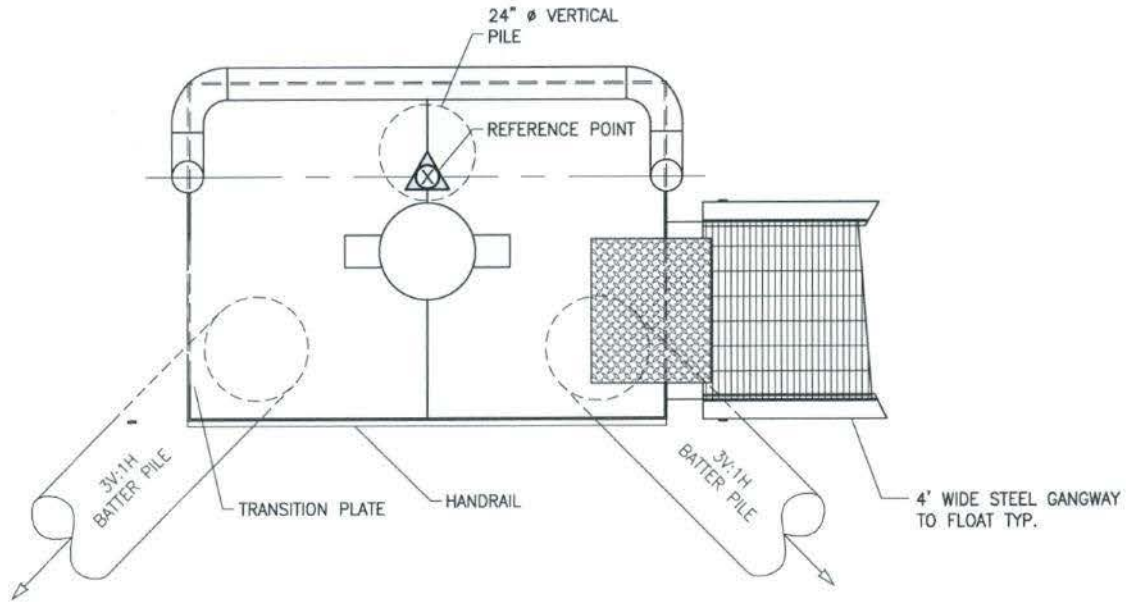
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY PROJECT NO. 70006

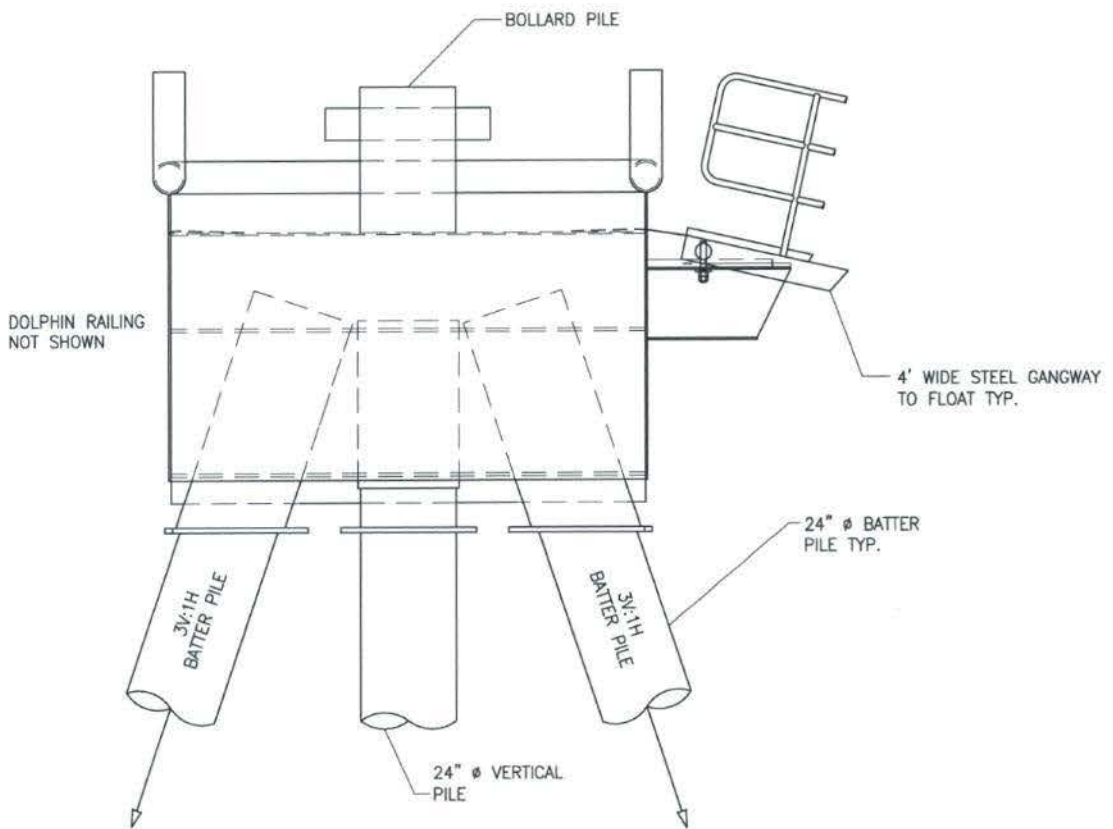
AT: WARD COVE, KETCHIKAN, ALASKA

LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 16 OF 17 DATE: 01/06/15



PLAN
SCALE: N.T.S.



ELEVATION
SCALE: N.T.S.

PURPOSE:
WARD COVE DREDGING & UPLANDS RESTORATION

ADJACENT PROPERTY OWNERS:
WARD COVE SEAPORT, POWER SYSTEMS AND SUPPLIES ALASKA

MOORING DOLPHIN

APPLICATION BY:
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION

WARD COVE AMHS FERRY TERMINAL & MOORAGE FACILITY
PROJECT NO. 70006
AT: WARD COVE, KETCHIKAN, ALASKA
LOCATED IN: TOWNSHIP 75 SOUTH RANGE 91 EAST SECTION 30, CRM

SHEET: 17 OF 17 DATE: 01/06/15