

**THIS PROJECT**

**PURPOSE:**

TO IMPROVE ACCESS, SECURITY, BERTHING CAPACITY AND SAFETY AT THE CBJ DOWNTOWN CRUISE SHIP DOCKS.

**DATUM:**  
 MLLW = 0.0 FT

HTL = 20.8'  
 MHW = 15.4'  
 MLLW = 0.0'

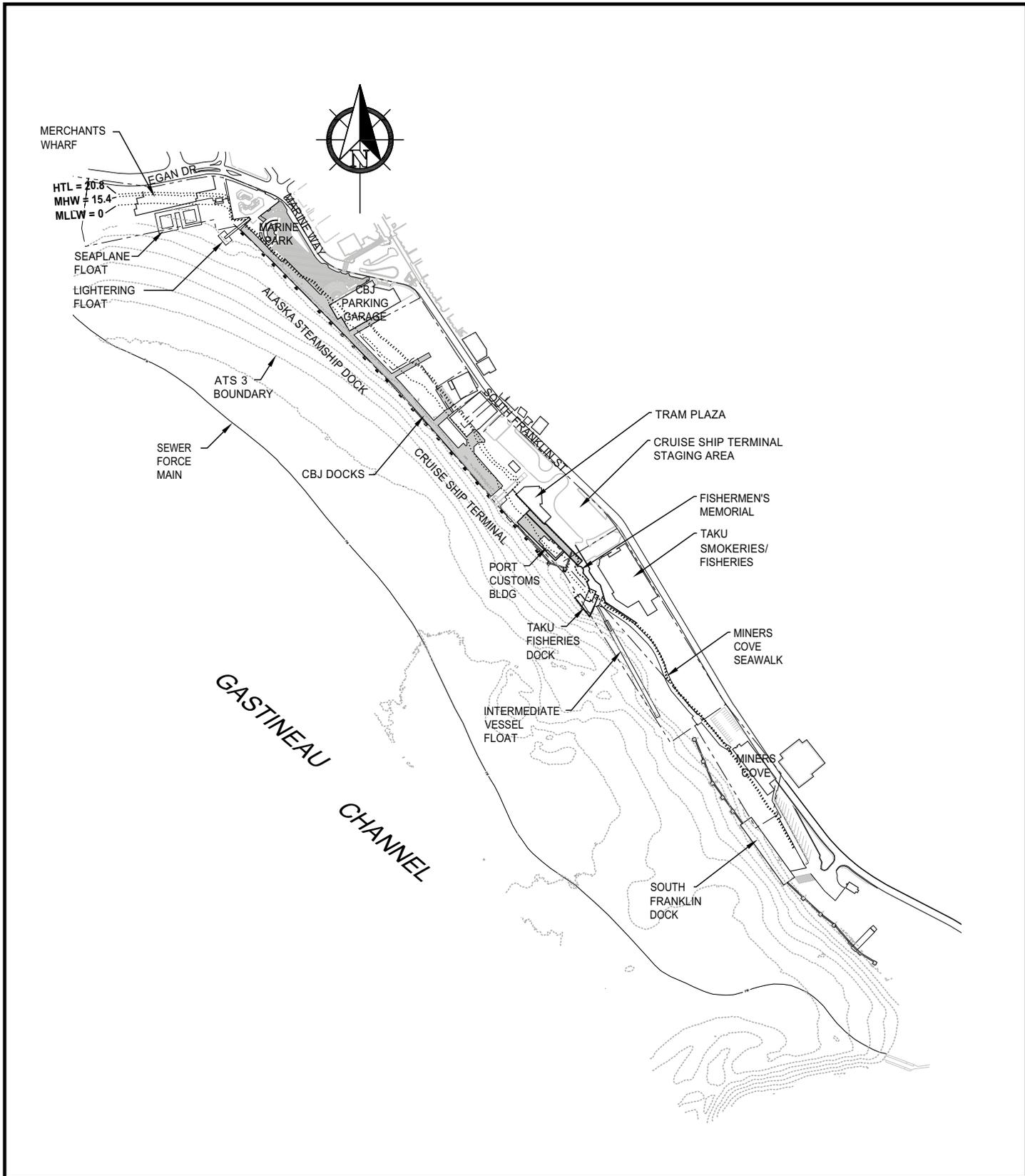
**VICINITY MAP  
 LOCATION MAP**

APPLICANT ADDRESS:  
 CITY AND BOROUGH OF JUNEAU  
 DOCKS & HARBOR DEPT.  
 155 S. SEWARD STREET  
 JUNEAU, AK 99801

PND#: 102050.01

**CBJ DOWNTOWN  
 CRUISE SHIP DOCKS  
 RECONFIGURATION  
 PROPOSED MODIFICATIONS**

IN: GASTINEAU CHANNEL  
 NEAR: JUNEAU  
 AT: DOWNTOWN CRUISE SHIP DOCKS  
 APPLICATION BY: CITY AND BOROUGH OF JUNEAU  
 DATE: JANUARY 2013



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**EXISTING CONDITIONS  
SITE PLAN**

SCALE IN FEET



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HTL = 20.8  
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PROPOSED RETAINING WALL,  
MOORAGE FLOAT AND  
TAKU SMOKERIES IMPROVEMENTS,  
SEE SHEETS 6 & 7.

PROPOSED  
NORTH BERTH  
BOUNDARY,  
SEE SHEET 4

HTL = 20.8  
MHW = 15.4  
MLLW = 0

PROPOSED  
SOUTH BERTH  
BOUNDARY,  
SEE SHEET 5

GASTINEAU  
CHANNEL

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**PROPOSED  
SITE PLAN**

SCALE IN FEET

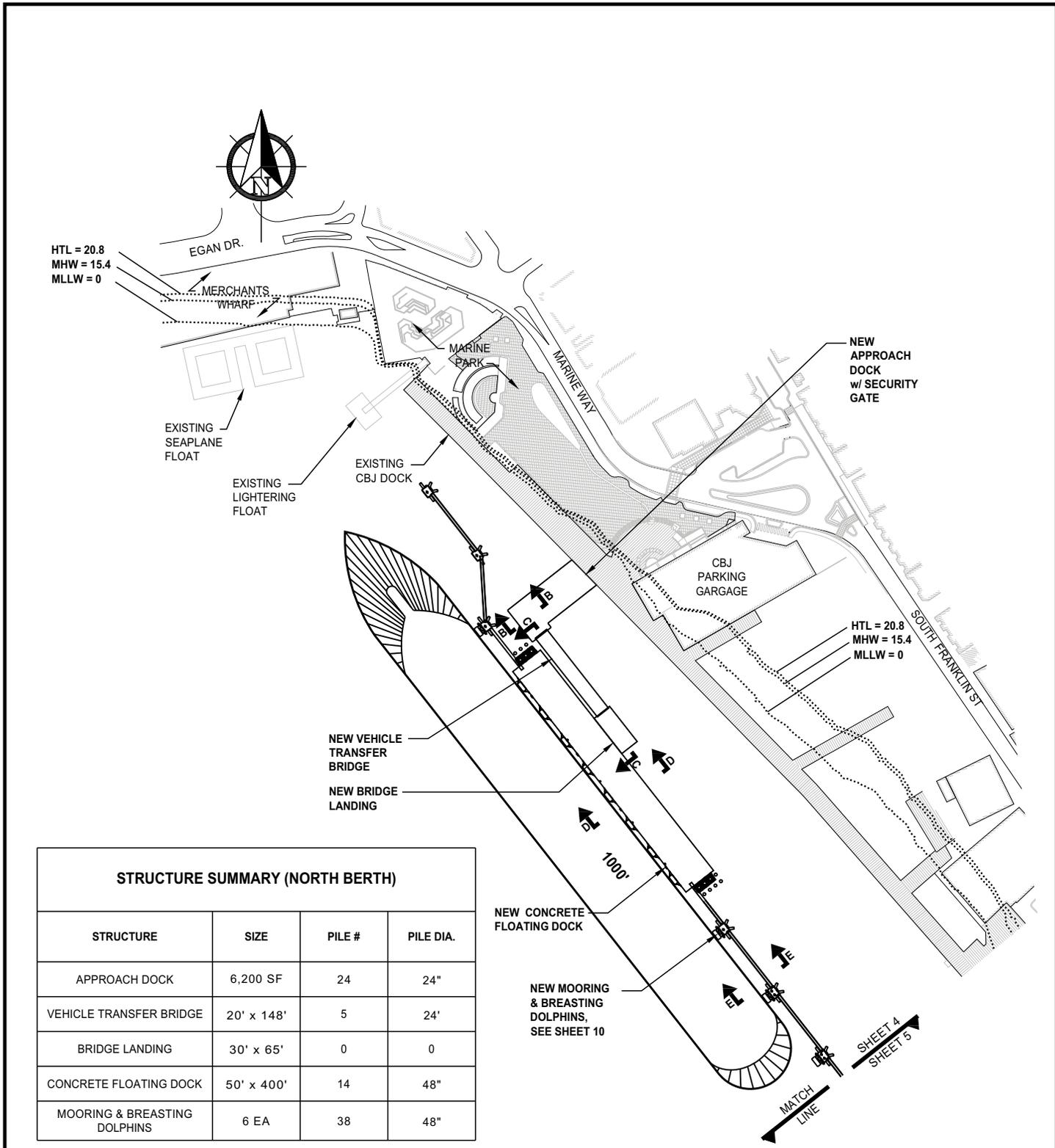


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**STRUCTURE SUMMARY (NORTH BERTH)**

| STRUCTURE                    | SIZE       | PILE # | PILE DIA. |
|------------------------------|------------|--------|-----------|
| APPROACH DOCK                | 6,200 SF   | 24     | 24"       |
| VEHICLE TRANSFER BRIDGE      | 20' x 148' | 5      | 24"       |
| BRIDGE LANDING               | 30' x 65'  | 0      | 0         |
| CONCRETE FLOATING DOCK       | 50' x 400' | 14     | 48"       |
| MOORING & BREASTING DOLPHINS | 6 EA       | 38     | 48"       |

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**NORTH BERTH  
 PROPOSED SITE PLAN**

SCALE IN FEET



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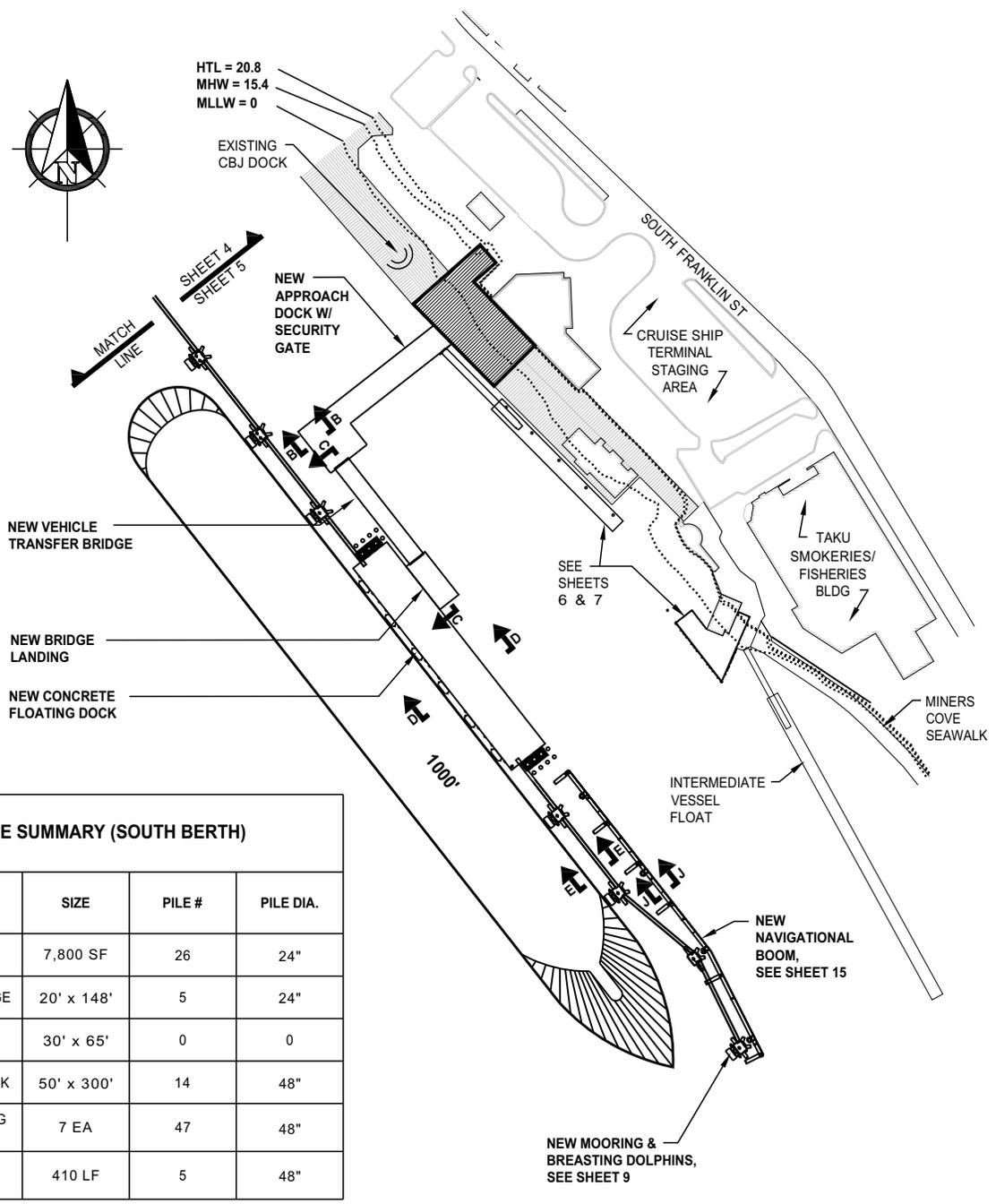
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MHW = 15.4  
MLLW = 0



**STRUCTURE SUMMARY (SOUTH BERTH)**

| STRUCTURE                      | SIZE       | PILE # | PILE DIA. |
|--------------------------------|------------|--------|-----------|
| APPROACH DOCK                  | 7,800 SF   | 26     | 24"       |
| VEHICLE TRANSFER BRIDGE        | 20' x 148' | 5      | 24"       |
| BRIDGE LANDING                 | 30' x 65'  | 0      | 0         |
| CONCRETE FLOATING DOCK         | 50' x 300' | 14     | 48"       |
| MOORING AND BREASTING DOLPHINS | 7 EA       | 47     | 48"       |
| NAVIGATIONAL BOOM              | 410 LF     | 5      | 48"       |

**PURPOSE:**

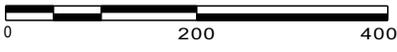
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**SOUTH BERTH  
PROPOSED SITE PLAN**

SCALE IN FEET

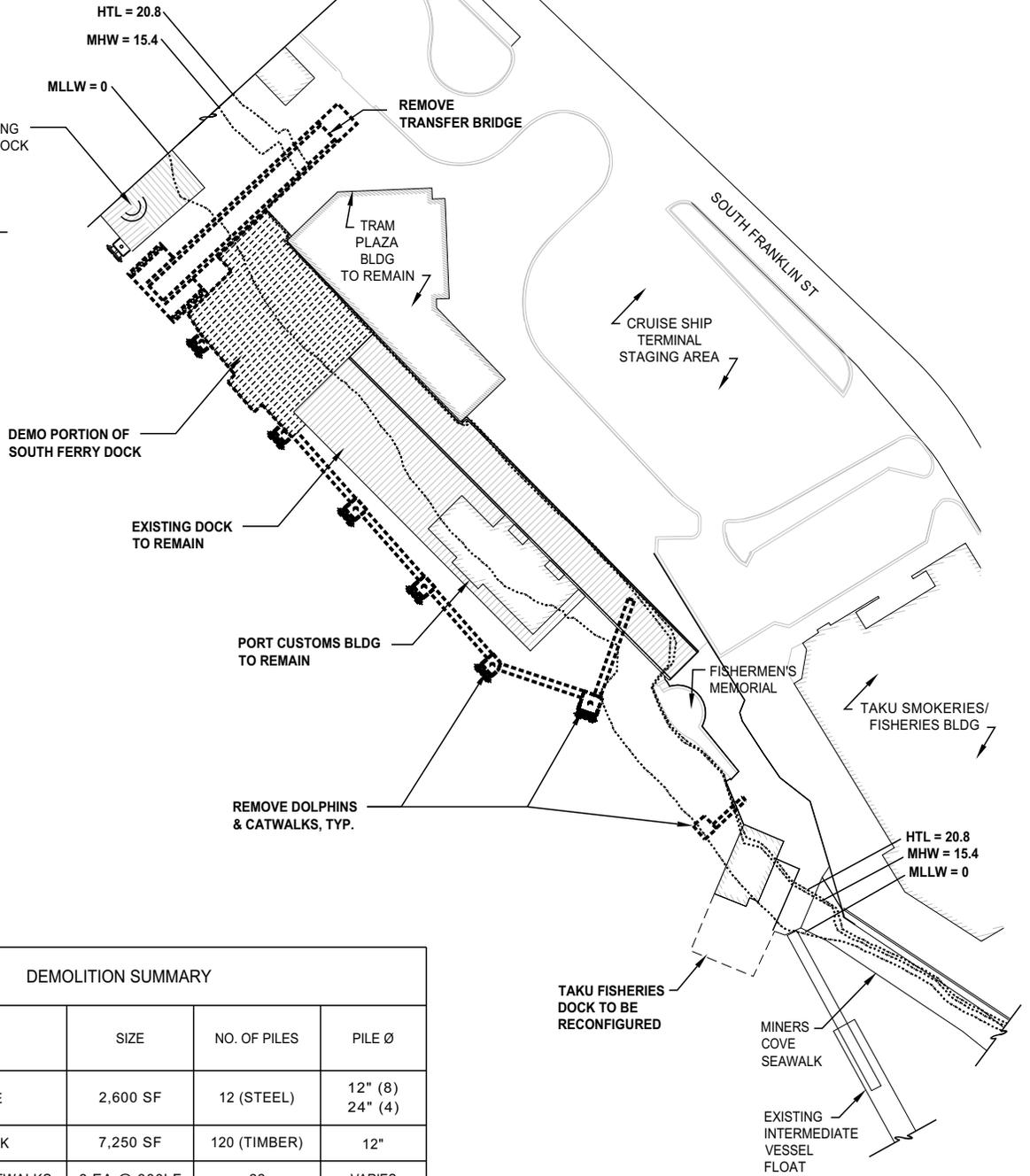


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DEMOLITION SUMMARY

| STRUCTURE                  | SIZE         | NO. OF PILES | PILE Ø             |
|----------------------------|--------------|--------------|--------------------|
| TRANSFER BRIDGE            | 2,600 SF     | 12 (STEEL)   | 12" (8)<br>24" (4) |
| SOUTH FERRY DOCK           | 7,250 SF     | 120 (TIMBER) | 12"                |
| DOLPHINS & ASSOC. CATWALKS | 6 EA @ 300LF | 22           | VARIES             |

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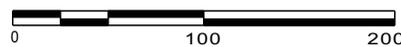
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**TRANSFER BRIDGE  
PROPOSED DEMOLITION PLAN**

SCALE IN FEET

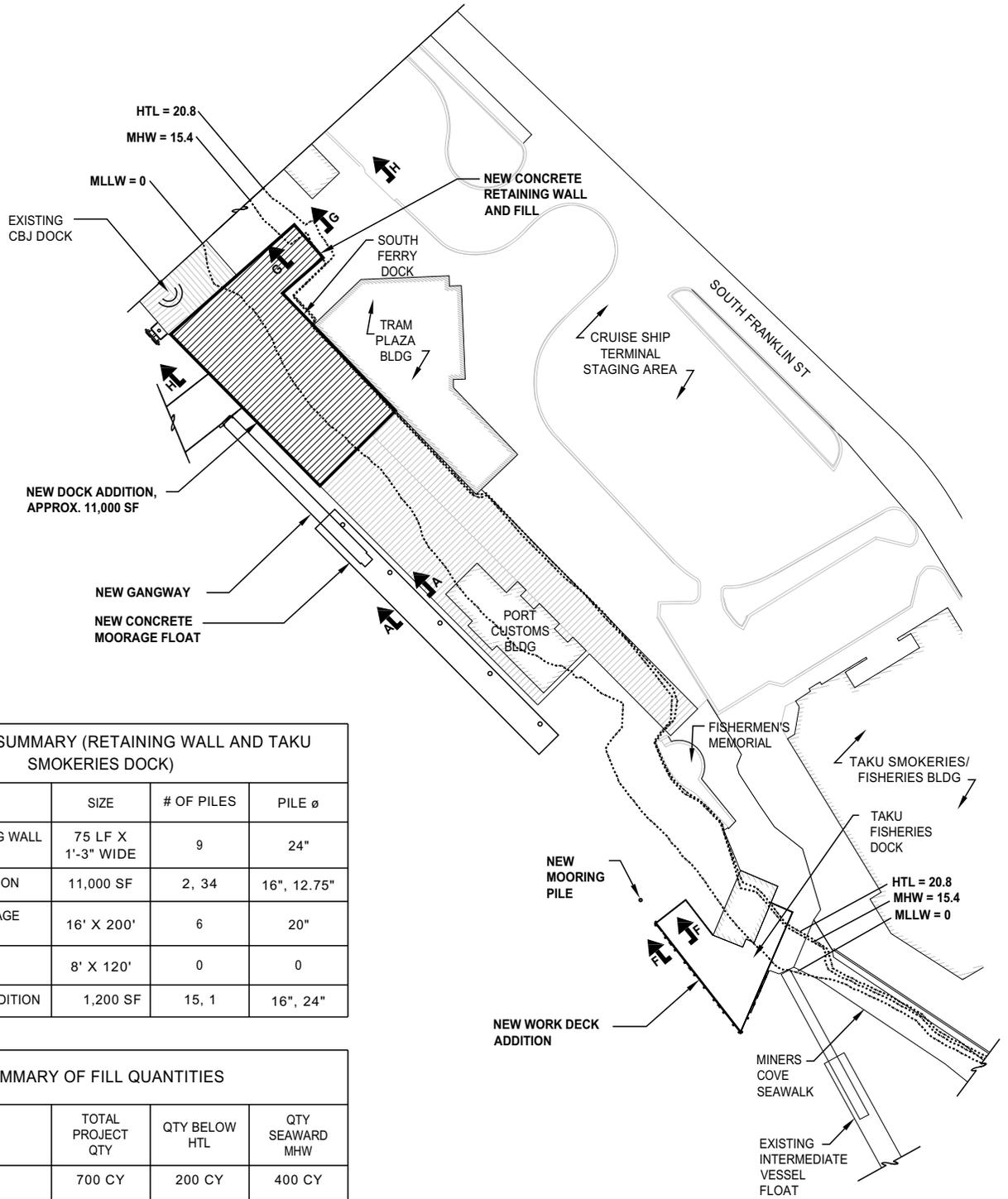


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| STRUCTURE SUMMARY (RETAINING WALL AND TAKU SMOKERIES DOCK) |                    |            |             |
|--|--------------------|------------|-------------|
| STRUCTURE  | SIZE               | # OF PILES | PILE $\phi$ |
| CONCRETE RETAINING WALL AND FILL                           | 75 LF X 1'-3" WIDE | 9          | 24"         |
| NEW DOCK ADDITION  | 11,000 SF          | 2, 34      | 16", 12.75" |
| CONCRETE MOORAGE FLOAT                                     | 16' X 200'         | 6          | 20"         |
| GANGWAY  | 8' X 120'          | 0          | 0           |
| NEW WORK DECK ADDITION                                     | 1,200 SF           | 15, 1      | 16", 24"    |

| SUMMARY OF FILL QUANTITIES |                   |               |                 |
|----------------------------|-------------------|---------------|-----------------|
| MATERIAL                   | TOTAL PROJECT QTY | QTY BELOW HTL | QTY SEAWARD MHW |
| FILL                       | 700 CY            | 200 CY        | 400 CY          |
| BASE COURSE                | 20 CY             | 20 CY         | 20 CY           |
| RIP RAP                    | 50 CY             | 50 CY         | 50 CY           |
| EXCAVATION                 | 100 CY            | 0 CY          | 0 CY            |

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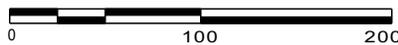
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**TRANSFER BRIDGE  
 PROPOSED SITE PLAN**

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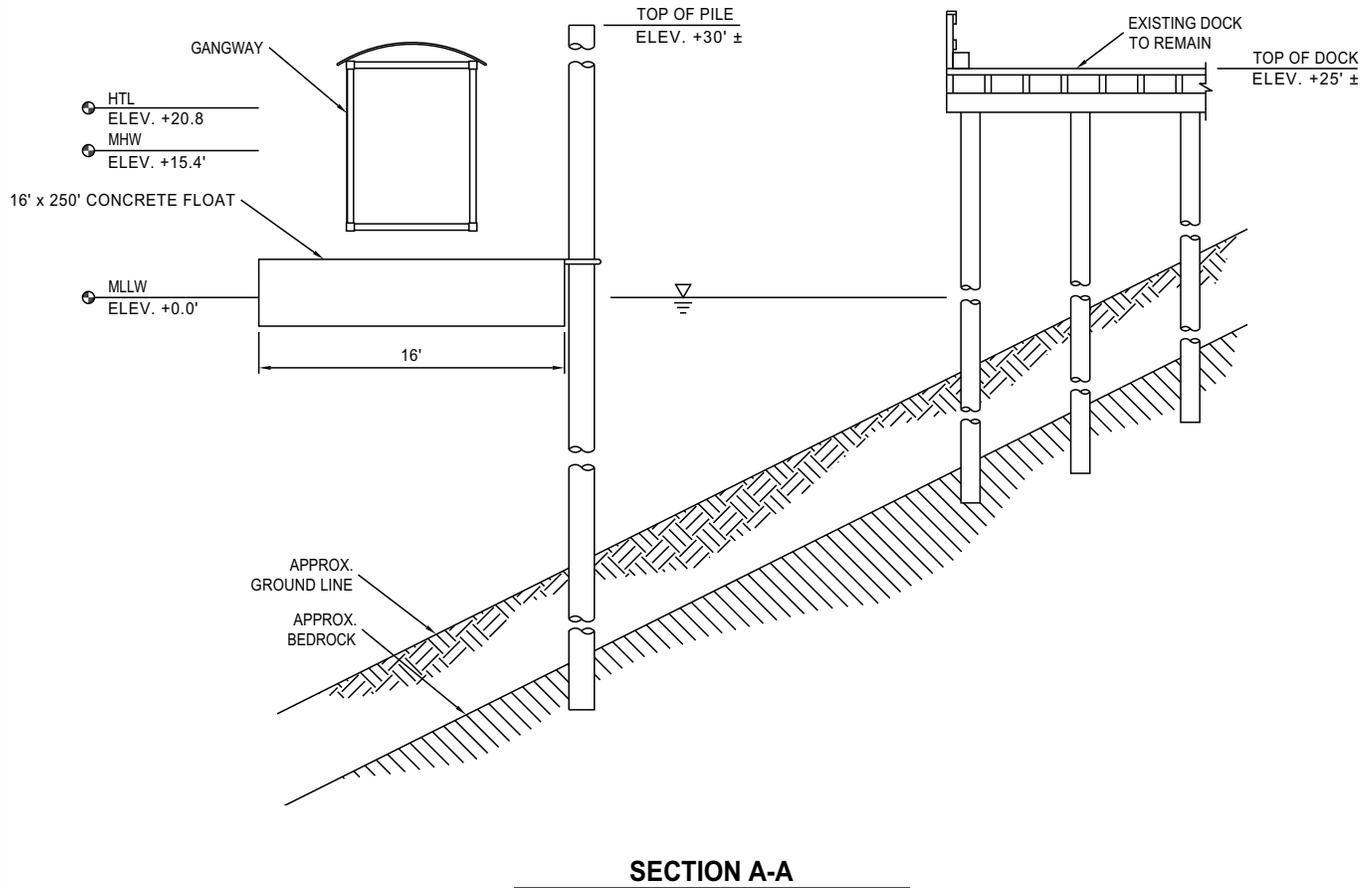


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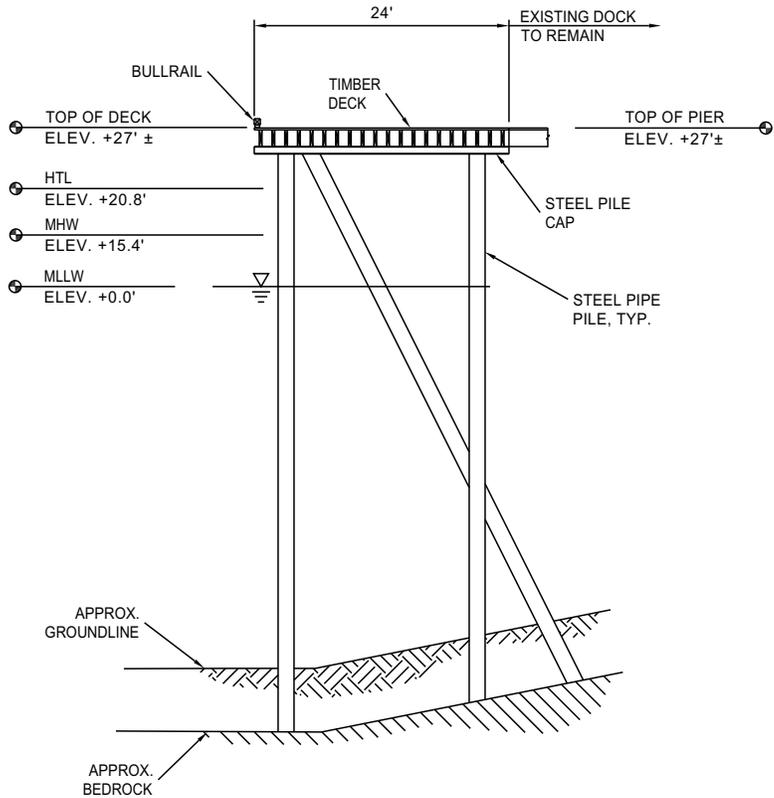
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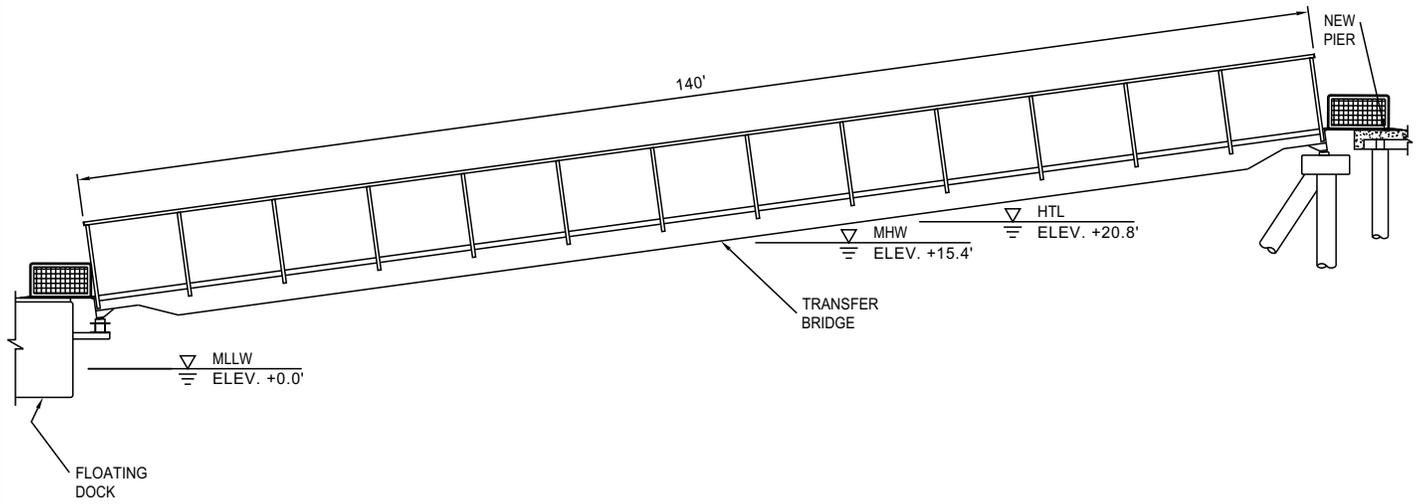
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**SECTION B-B**



**SECTION C-C**

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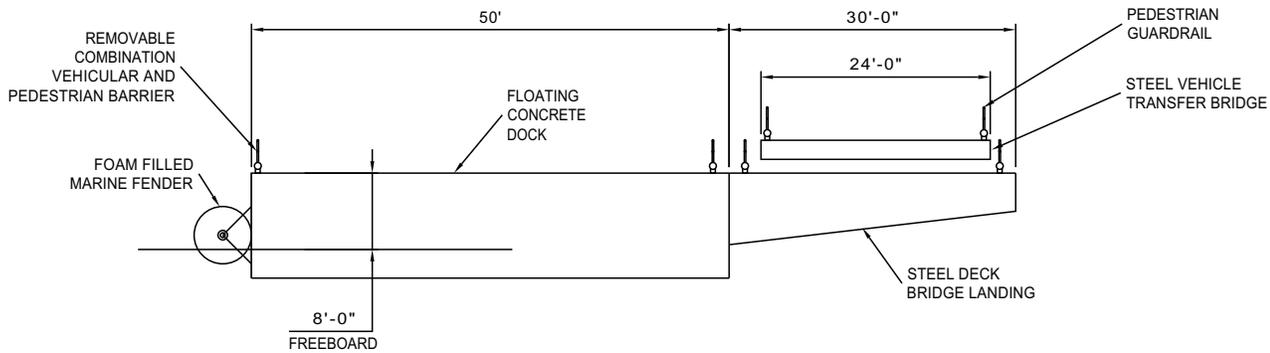
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**CBJ DOWNTOWN  
CRUISE SHIP DOCKS  
RECONFIGURATION  
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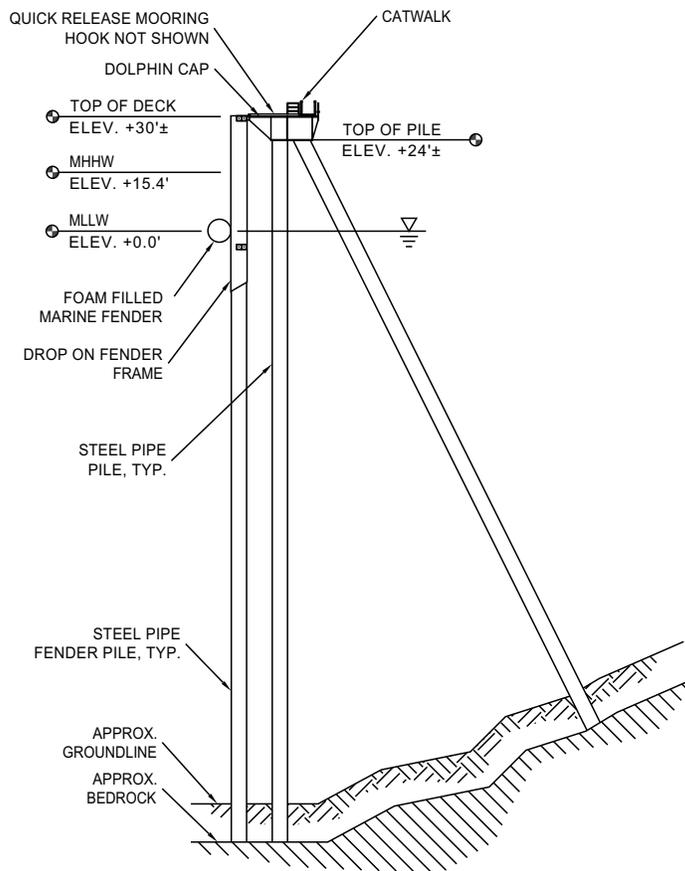
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**SECTION D-D**



**SECTION E-E**

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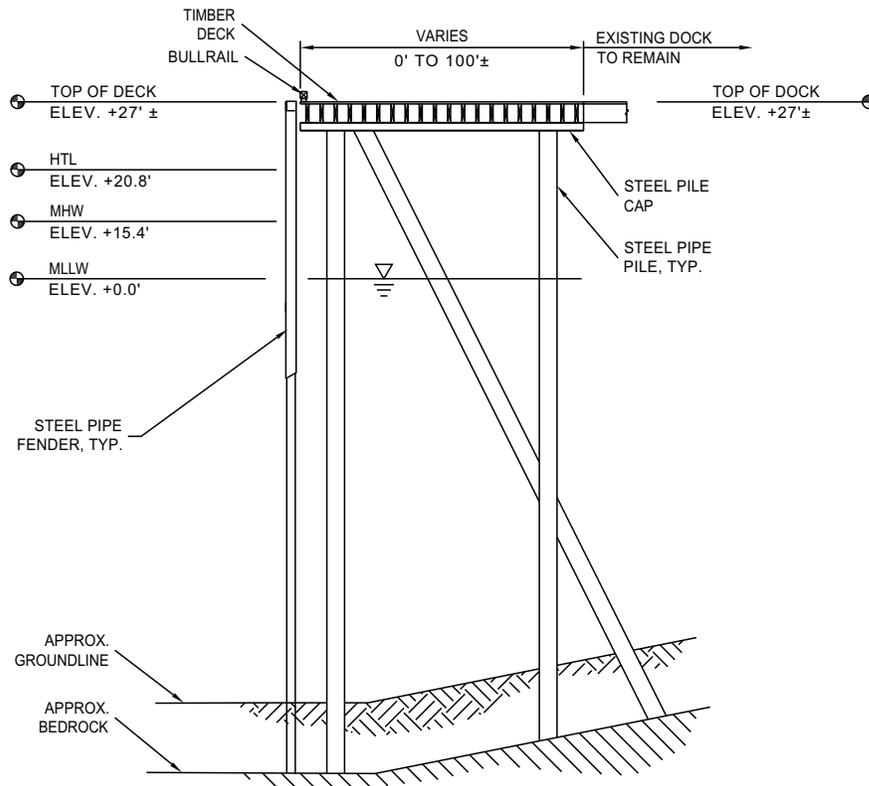
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SHEET 10 OF 15



SECTION F-F

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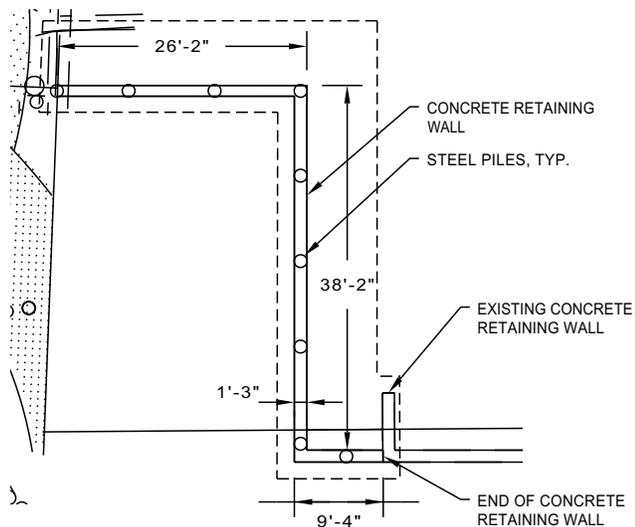
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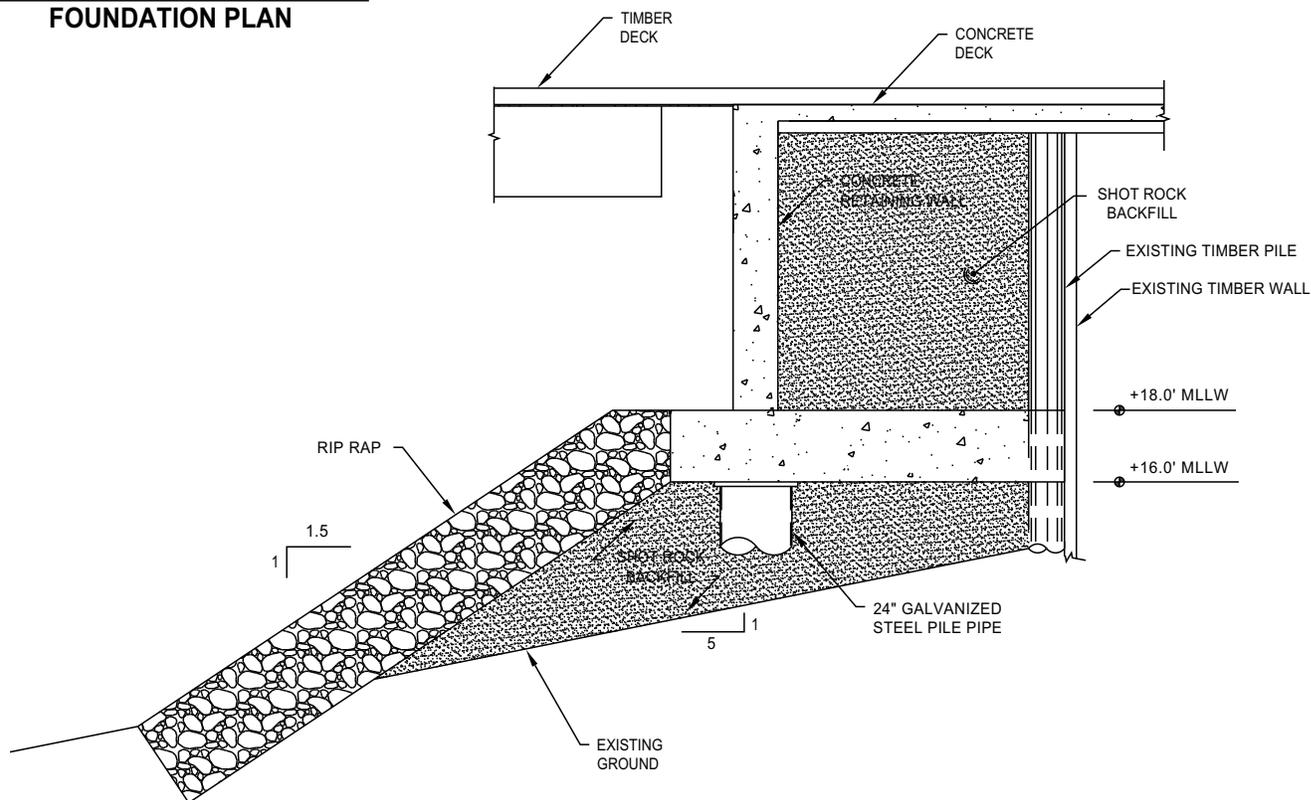
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**RETAINING WALL  
FOUNDATION PLAN**



**SECTION G-G**

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**SECTION AT TIMBER WALL**

**NTS**

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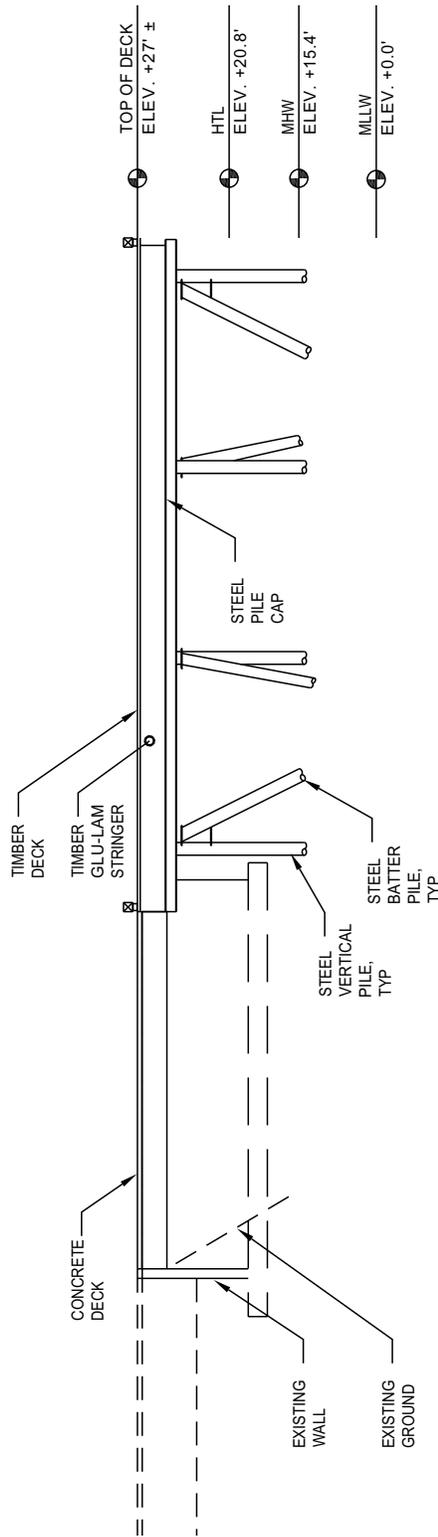
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**SECTION H-H**

**PURPOSE:**

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**PORT CUSTOMS  
DOCK SECTION**

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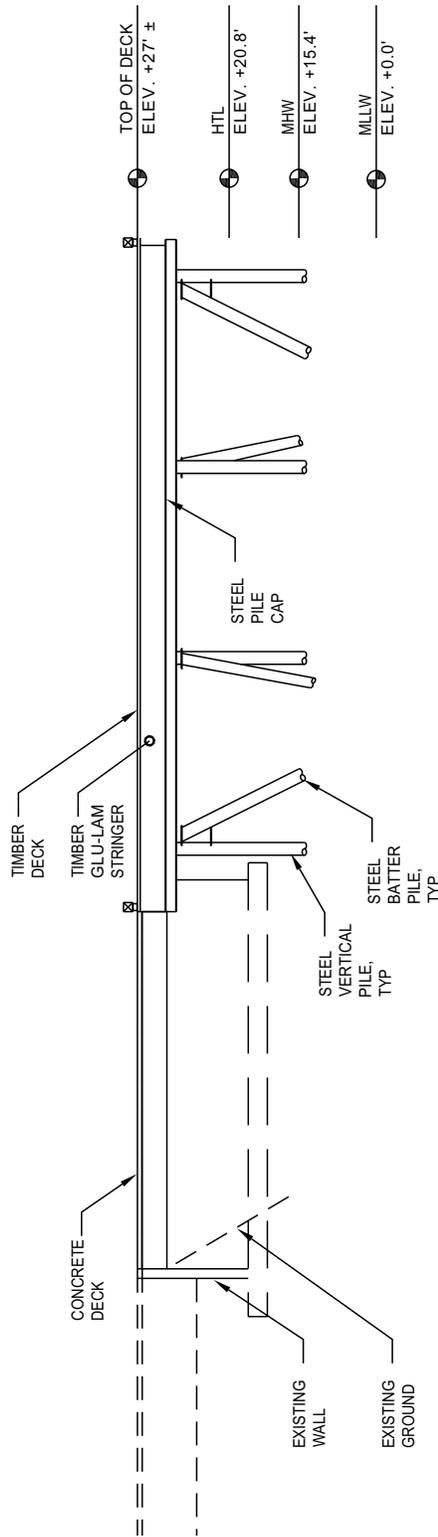
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SHEET 13 OF 15



**SECTION H-H**

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**PORT CUSTOMS  
DOCK SECTION**

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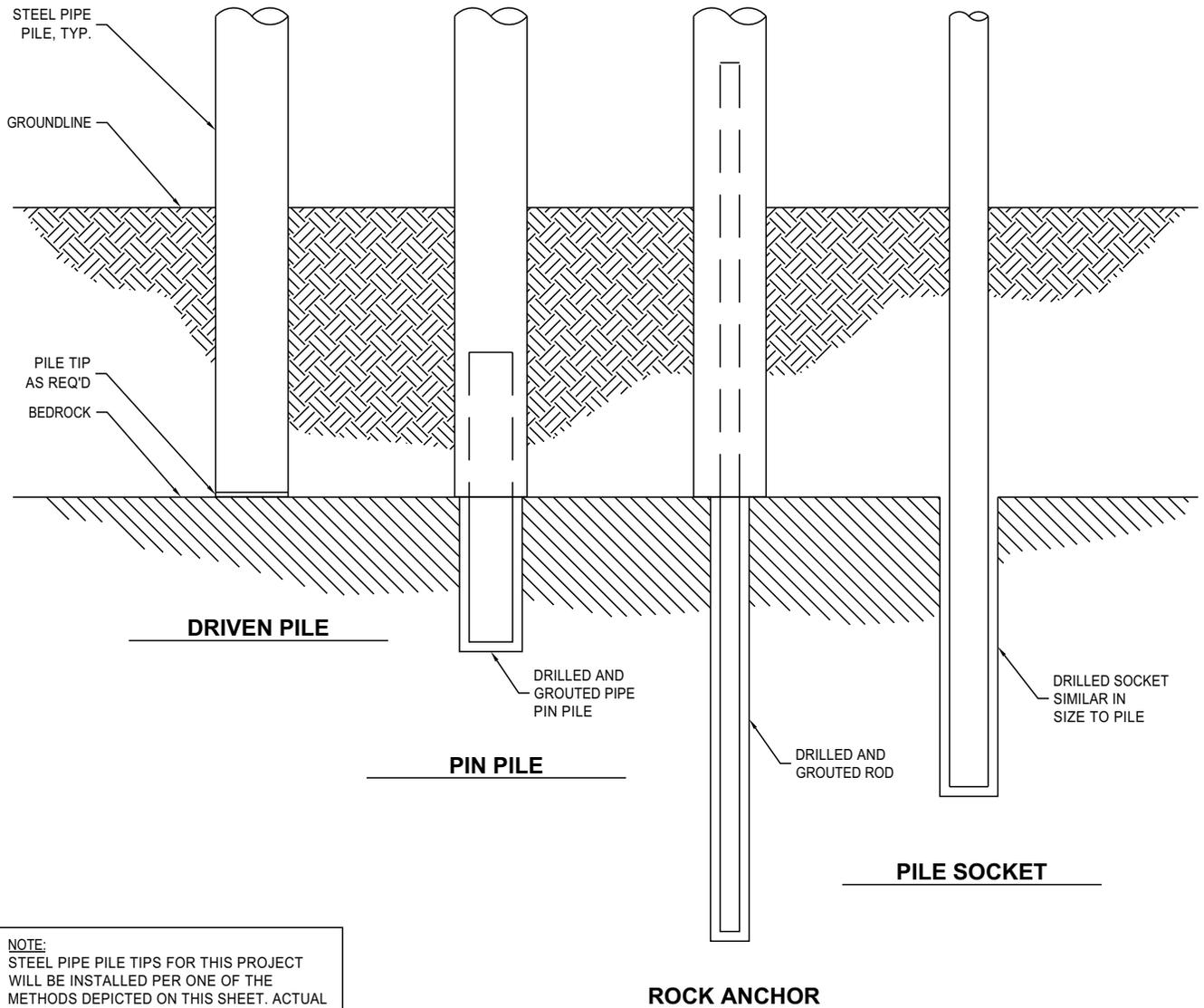
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SHEET 13 OF 15



**NOTE:**  
 STEEL PIPE PILE TIPS FOR THIS PROJECT WILL BE INSTALLED PER ONE OF THE METHODS DEPICTED ON THIS SHEET. ACTUAL METHOD TO BE DETERMINED AS SUBSURFACE CONDITIONS BECOME KNOWN. ALL PILES DRIVEN TO IMPACT HAMMER REFUSAL

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**PILE DETAILS**

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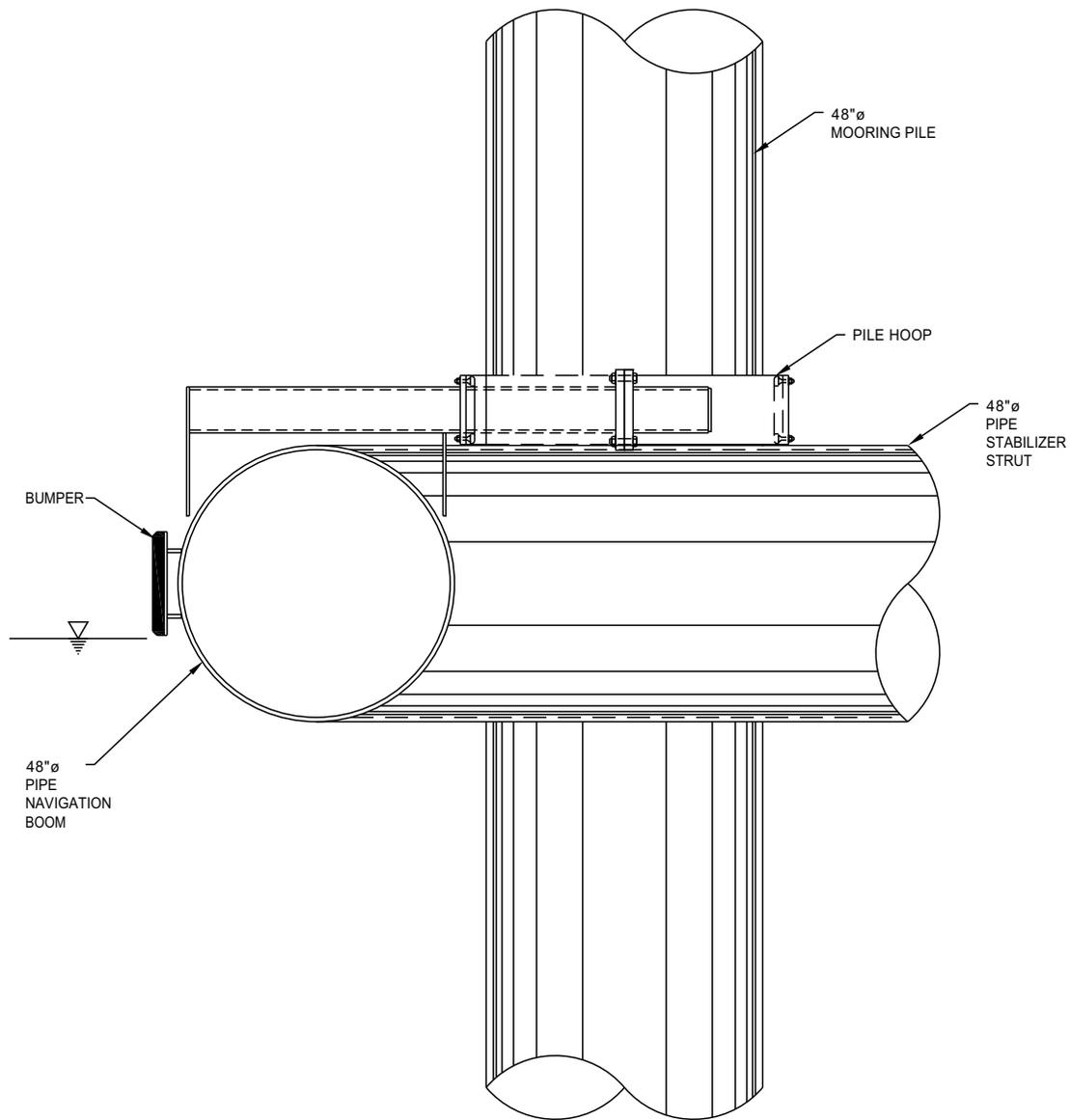
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SECTION J-J

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**PIPE NAVIGATION BOOM**

**NTS**

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SHEET 15 OF 15