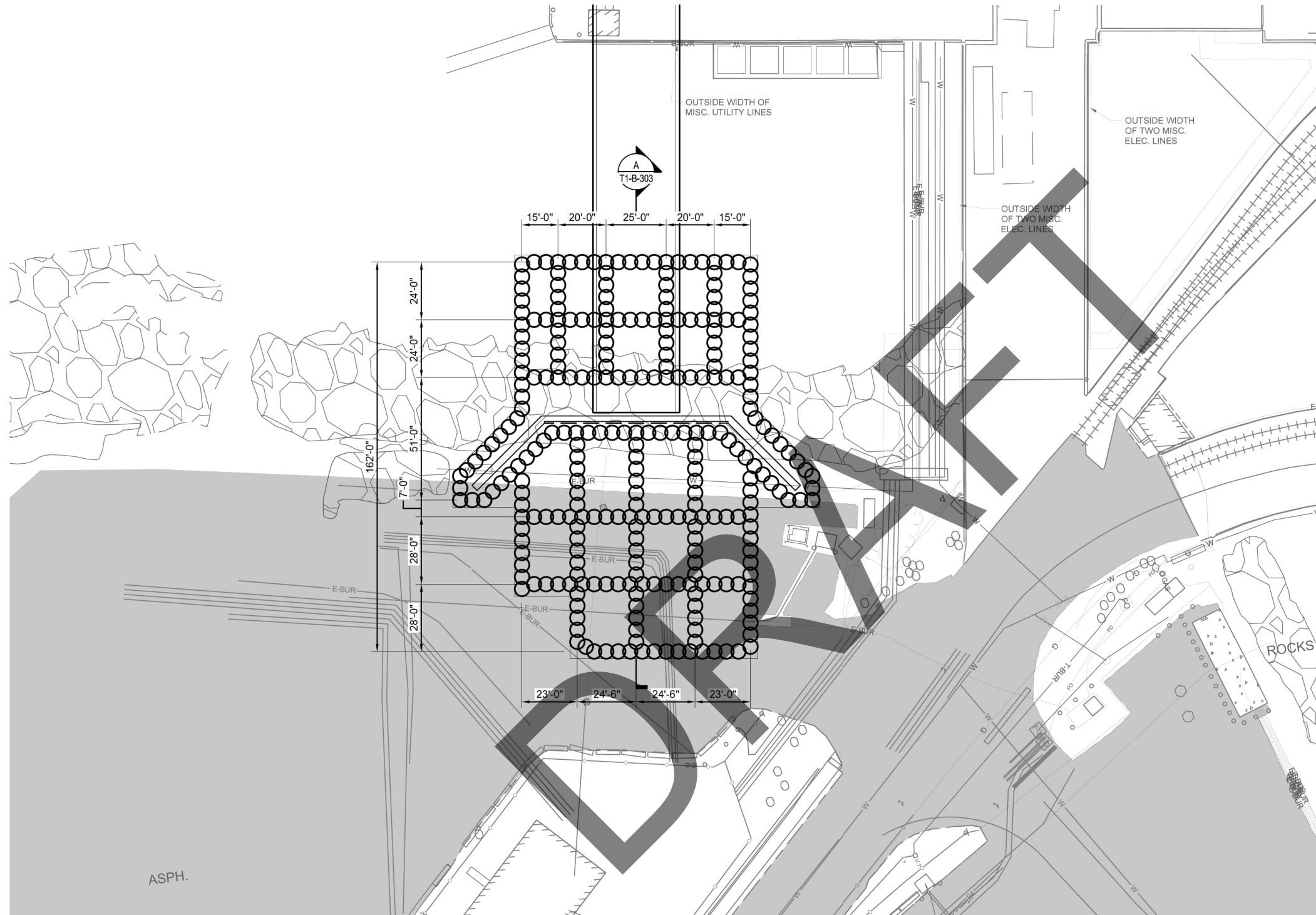




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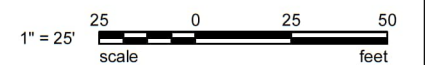
**LEGEND:**

○ DEEP-SOIL-MIX (DSM) COLUMN (6'Ø)

**NOTES:**

1. INSTALL DSM TO DEPTHS INDICATED ON T1-B-303.
2. LOCATE UTILITIES AND IDENTIFY CONFLICTS PRIOR TO STARTING DSM CONSTRUCTION

**DSM LAYOUT AT TRESTLE 1A**  
SCALE: 1" = 25'

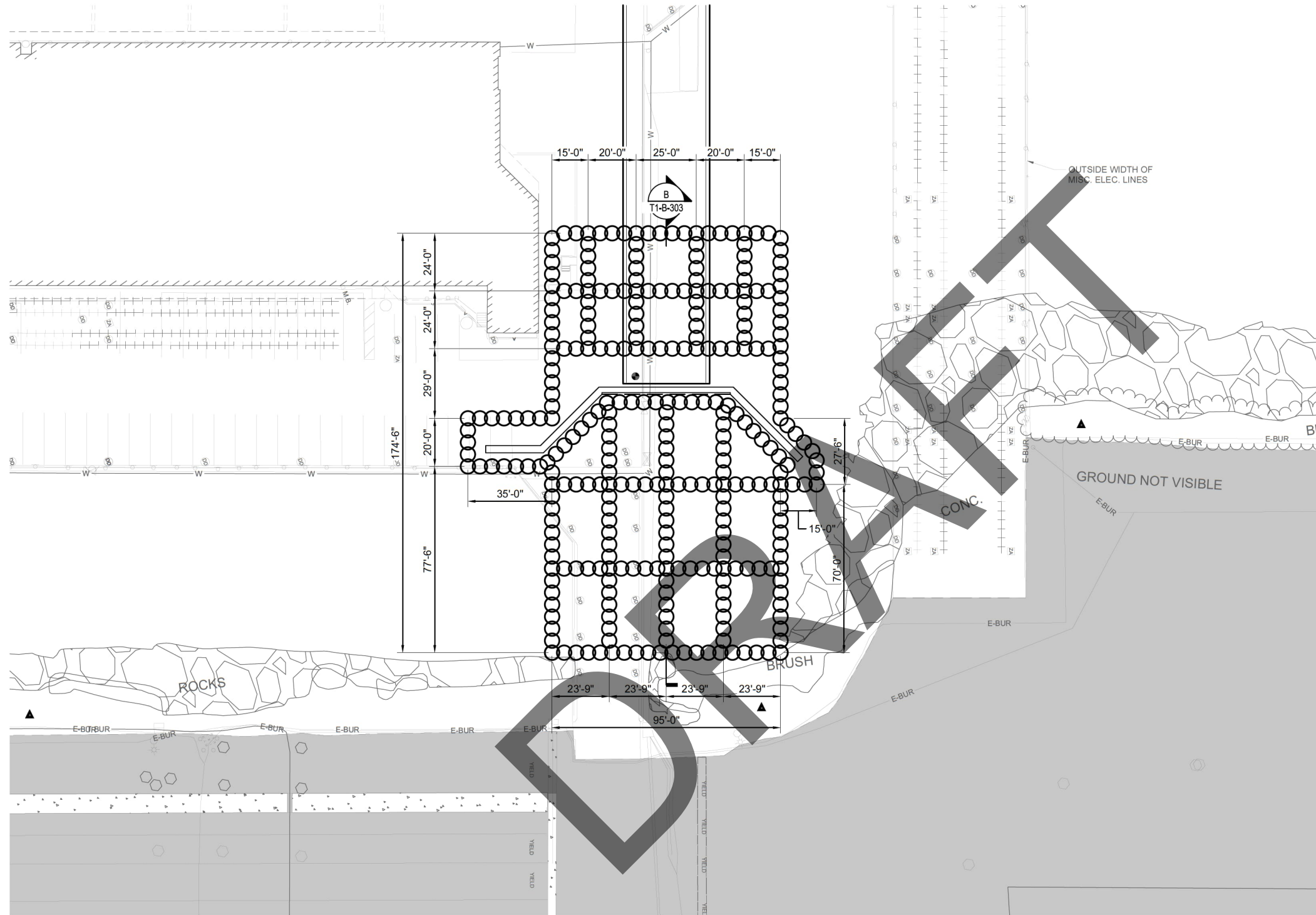


65% SUBMITTAL

<p><b>VERIFY SCALES</b></p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING</p> <p>0 1"</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.</p>	REV	DATE	DESCRIPTION	BY	APVD	<p style="font-size: 8px;">GHD-WSP JV 1400 W. BENSON BLVD, SUITE 400 ANCHORAGE, ALASKA 99503 AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 1113311(WSP)</p> <p style="font-size: 8px;">DSGN BXX    DR JDM    CHK JRG    APVD JRG</p> <p style="font-size: 8px;">CONSULTANT</p>	<p style="font-size: 8px;">SEAL 11/15/23</p>			<p>GEOTECHNICAL</p> <p>DSM LAYOUT AT TRESTLE 1A</p>	<p>PORT OF ALASKA</p> <p>PORT OF ALASKA MODERNIZATION PROGRAM</p> <p>CARGO TERMINAL 1 DESIGN</p> <p>ANCHORAGE, ALASKA</p>	<p>T1-B-202</p>		
	REVISIONS									<p>HORIZ SCALE: AS SHOWN</p> <p>VERT SCALE: AS SHOWN</p>	<p>DATE: 11/17/23</p> <p>SHEET: OF</p>		<p>DATE: 11/17/23</p> <p>SHEET: OF</p>	
										<p>DATE: 11/17/23</p> <p>SHEET: OF</p>	<p>DATE: 11/17/23</p> <p>SHEET: OF</p>			

\*\*\*PRELIMINARY. NOT FOR USE IN DEVELOPING CONSTRUCTION BIDS\*\*\*

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**LEGEND:**

○ DEEP-SOIL-MIX (DSM) COLUMN (6"Ø)

**NOTES:**

1. INSTALL DSM TO DEPTHS INDICATED ON T1-B-303.
2. LOCATE UTILITIES AND IDENTIFY CONFLICT PRIOR TO STARTING DSM CONSTRUCTION

**DSM LAYOUT AT TRESTLE 1B**  
SCALE: 1" = 25'



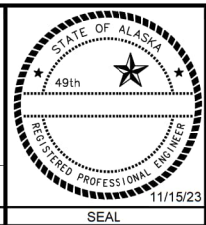
65% SUBMITTAL

REV	DATE	DESCRIPTION	BY	APVD
REVISIONS				

GHD-WSP JV  
 1400 W. BENSON BLVD, SUITE 400  
 ANCHORAGE, ALASKA 99503  
 AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP)    AK BUSINESS LICENSE # 2164152(GHD) - 1113311(WSP)

DSGN	DR	CHK	APVD
BXX	JDM	JRG	JRG

CONSULTANT



**GEOTECHNICAL**  
  
 DSM LAYOUT AT TRESTLE 1B

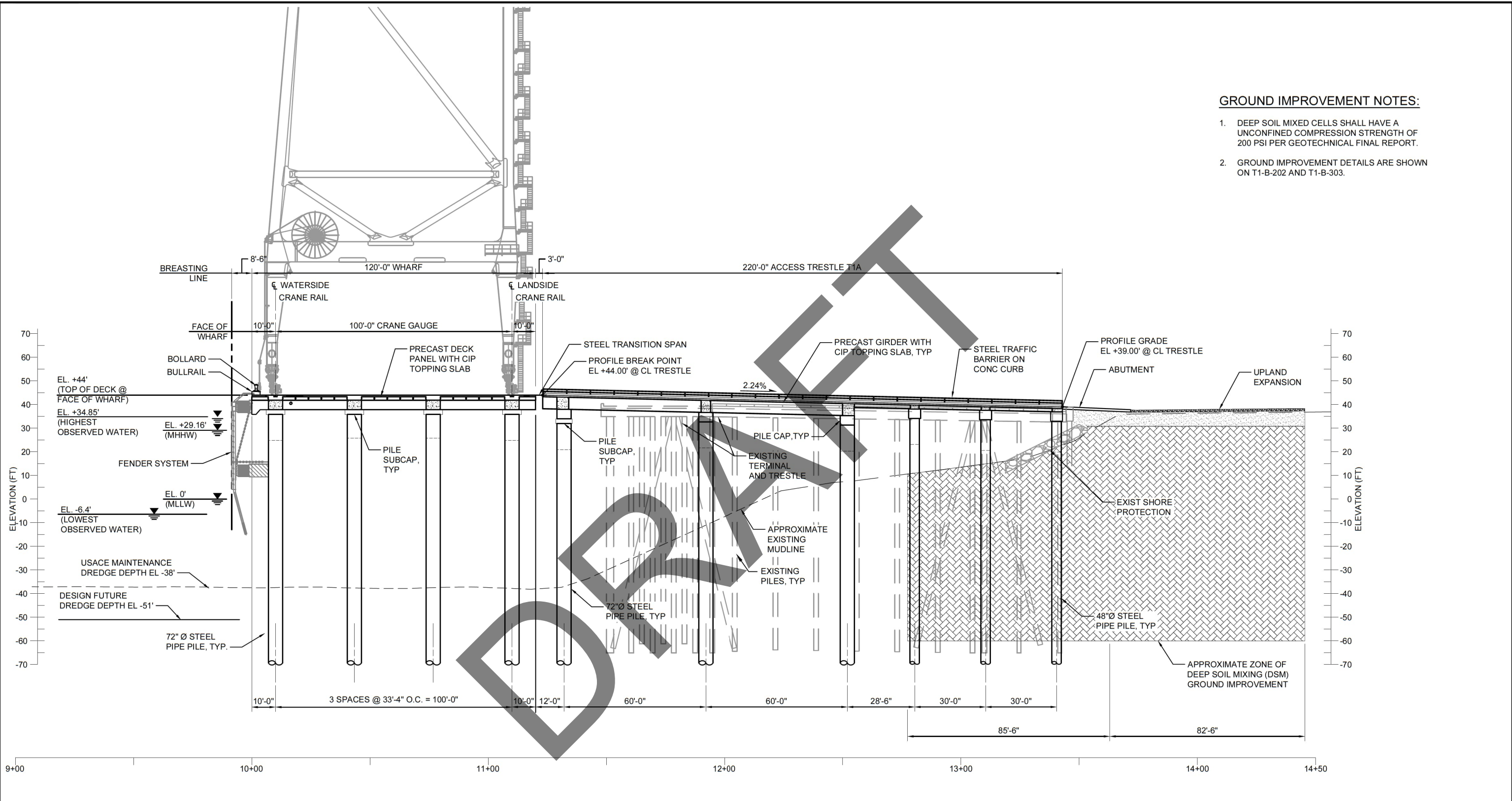
PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM		
CARGO TERMINAL 1 DESIGN		
ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-B-203
VERT SCALE: AS SHOWN	SHEET:      OF	

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**GROUND IMPROVEMENT NOTES:**

1. DEEP SOIL MIXED CELLS SHALL HAVE A UNCONFINED COMPRESSION STRENGTH OF 200 PSI PER GEOTECHNICAL FINAL REPORT.
2. GROUND IMPROVEMENT DETAILS ARE SHOWN ON T1-B-202 AND T1-B-303.



**A TYPICAL ELEVATION - TRESTLE 1A**  
SCALE: 1" = 20'



65% SUBMITTAL

REV	DATE	DESCRIPTION	BY	APVD

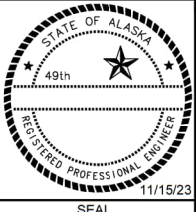
REVISIONS

**GHD** **wsp**

GHD-WSP JV  
1400 W. BENSON BLVD, SUITE 400  
ANCHORAGE, ALASKA 99503  
AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 113511(WSP)

DSGN: BXX DR: JDM CHK: JRG APVD: JRG

CONSULTANT



GEOTECHNICAL  
DSM LAYOUT AT TRESTLE 1A - CROSS SECTION

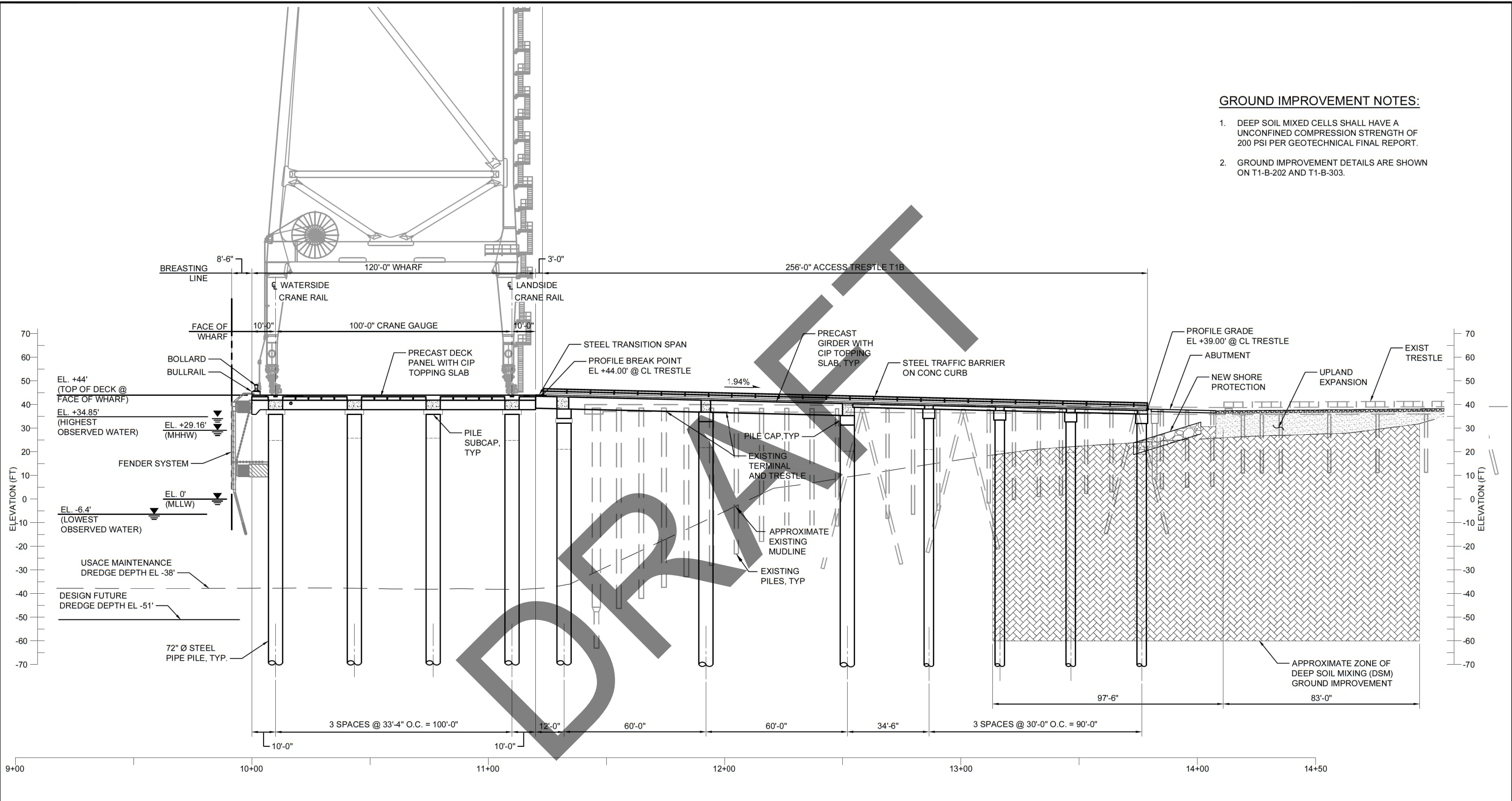
PORT OF ALASKA  
PORT OF ALASKA MODERNIZATION PROGRAM  
CARGO TERMINAL 1 DESIGN  
ANCHORAGE, ALASKA

HORIZ SCALE: AS SHOWN DATE: 11/17/23  
VERT SCALE: AS SHOWN SHEET: OF

T1-B-301

\*\*\*PRELIMINARY. NOT FOR USE IN DEVELOPING CONSTRUCTION BIDS\*\*\*

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**GROUND IMPROVEMENT NOTES:**

1. DEEP SOIL MIXED CELLS SHALL HAVE A UNCONFINED COMPRESSION STRENGTH OF 200 PSI PER GEOTECHNICAL FINAL REPORT.
2. GROUND IMPROVEMENT DETAILS ARE SHOWN ON T1-B-202 AND T1-B-303.

**A TYPICAL ELEVATION - TRESTLE 1B**  
SCALE: 1" = 20'



65% SUBMITTAL

REV	DATE	DESCRIPTION	BY	APVD

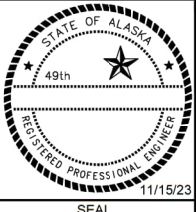
**GHD**

**wsp**

GHD-WSP JV  
1400 W. BENSON BLVD, SUITE 400  
ANCHORAGE, ALASKA 99503  
AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 1113511(WSP)

DSGN	DR	CHK	APVD
BXX	JDM	JRG	JRG

CONSULTANT

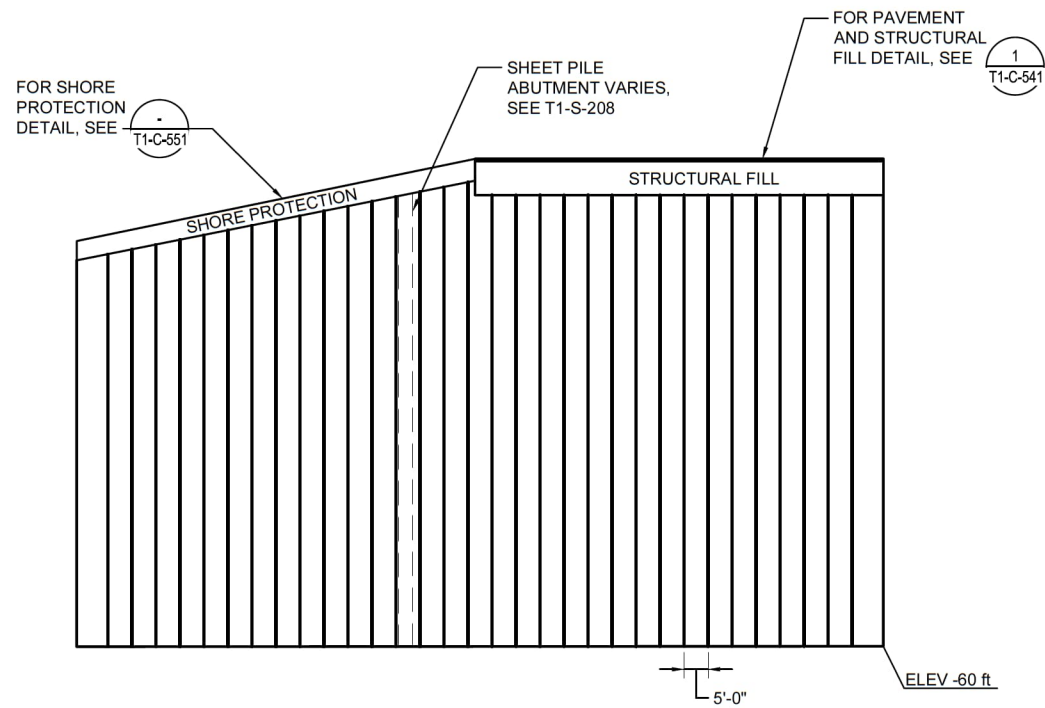


**GEOTECHNICAL**  
DSM LAYOUT AT TRESTLE 1B - CROSS SECTION

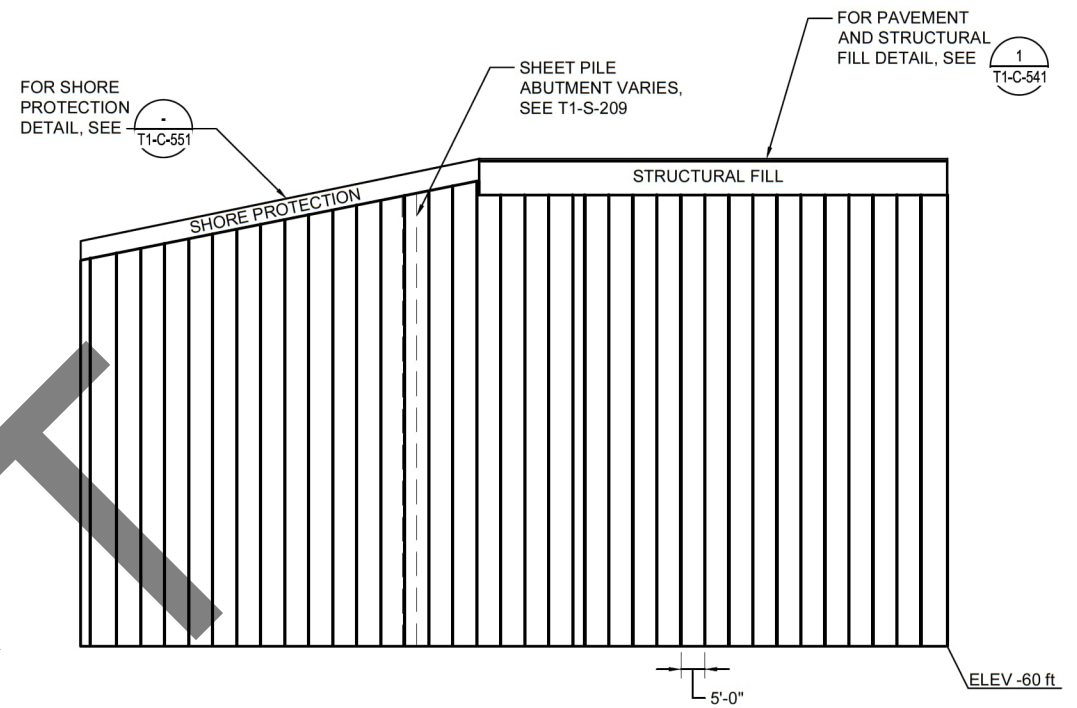
PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM		
CARGO TERMINAL 1 DESIGN		
ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	<b>T1-B-302</b>
VERT SCALE: AS SHOWN	SHEET: OF	

\*\*\*PRELIMINARY. NOT FOR USE IN DEVELOPING CONSTRUCTION BIDS\*\*\*

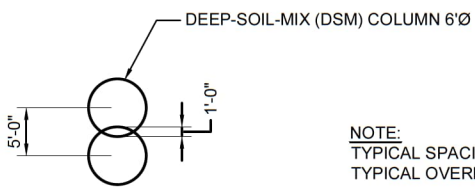
DRAFT



**A** DSM CROSS SECTION - TRESTLE T1A  
SCALE: 1" = 20'



**B** DSM CROSS SECTION - TRESTLE T1B  
SCALE: 1" = 20'





NOTE:  
TYPICAL SPACING = 5 FT OC.  
TYPICAL OVERLAP = 1 FT

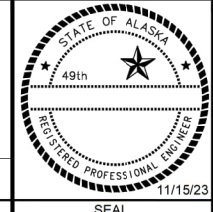
**1** DSM SPACING DETAIL  
SCALE: NTS

65% SUBMITTAL

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

REV	DATE	DESCRIPTION	BY	APVD







GHD-WSP JV  
 1400 W. BENSON BLVD, SUITE 400  
 ANCHORAGE, ALASKA 99503  
 AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP)    AK BUSINESS LICENSE # 2164152(GHD) - 1113311(WSP)

DSGN	DR	CHK	APVD
BXX	JDM	JRG	JRG

CONSULTANT




GEOTECHNICAL  
DSM CROSS-SECTIONS

PORT OF ALASKA	
PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN ANCHORAGE, ALASKA	
HORIZ SCALE: AS SHOWN	DATE: 11/17/23
VERT SCALE: AS SHOWN	SHEET: OF
T1-B-303	

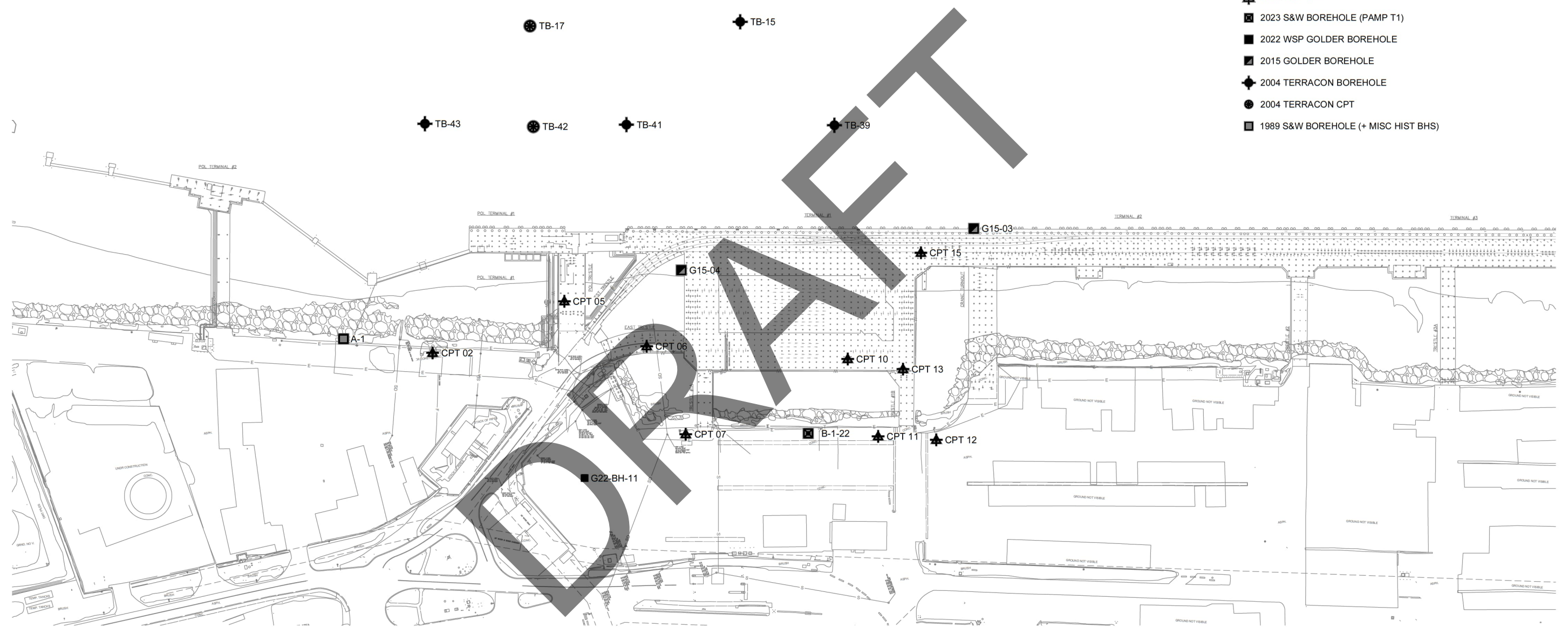
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**NOTES:**

- REFER TO SHEETS T1-B-601 THROUGH T1-B-504 AND THE PROJECT GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

**LEGEND:**

- ▲ 2023 WSP CPT
- 2023 S&W BOREHOLE (PAMP T1)
- 2022 WSP GOLDER BOREHOLE
- 2015 GOLDER BOREHOLE
- ◆ 2004 TERRACON BOREHOLE
- 2004 TERRACON CPT
- 1989 S&W BOREHOLE (+ MISC HIST BHS)



**GEOTECHNICAL BORING PLAN**  
SCALE: 1" = 100'

1" = 100'  
scale 100 0 100 200 feet

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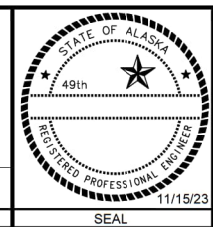
REV	DATE	DESCRIPTION	BY	APVD
REVISIONS				

GHD-WSP JV  
1400 W. BENSON BLVD, SUITE 400  
ANCHORAGE, ALASKA 99503  
AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 113311(WSP)

WSP

DSGN	DR	CHK	APVD
BXX	JDM	JRG	JRG

CONSULTANT

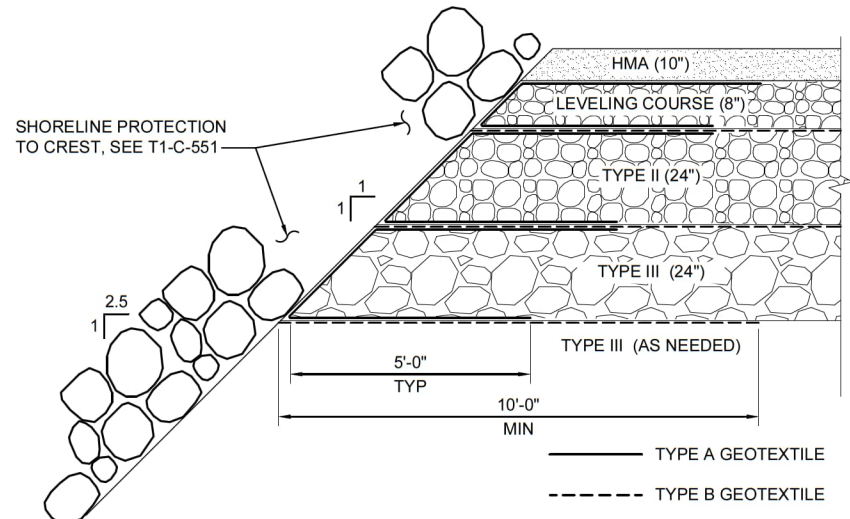


GEOTECHNICAL  
GEOTECHNICAL BORING PLAN

PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-B-401
VERT SCALE: AS SHOWN	SHEET: OF	

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# DRAFT



**1 PAVEMENT EDGE DETAIL**  
SCALE: 1/2" = 1'-0"

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<p><b>VERIFY SCALES</b></p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING</p> <p>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>APVD</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	APVD																<p style="font-size: 8px;">GHD-WSP JV 1400 W. BENSON BLVD, SUITE 400 ANCHORAGE, ALASKA 99503 AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 1113511(WSP)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>DSGN</td> <td>DR</td> <td>CHK</td> <td>APVD</td> </tr> <tr> <td>BXX</td> <td>JDM</td> <td>JRG</td> <td>JRG</td> </tr> </table> <p style="font-size: 8px;">CONSULTANT</p>	DSGN	DR	CHK	APVD	BXX	JDM	JRG	JRG				<p>GEOTECHNICAL</p> <p>PAVEMENT EDGE DETAIL</p>	<p>PORT OF ALASKA</p> <p>PORT OF ALASKA MODERNIZATION PROGRAM</p> <p>CARGO TERMINAL 1 DESIGN</p> <p>ANCHORAGE, ALASKA</p>
REV	DATE	DESCRIPTION	BY	APVD																															
DSGN	DR	CHK	APVD																																
BXX	JDM	JRG	JRG																																
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>HORIZ SCALE: AS SHOWN</td> <td>DATE: 11/17/23</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">T1-B-501</td> </tr> <tr> <td>VERT SCALE: AS SHOWN</td> <td>SHEET: OF</td> </tr> </table>								HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-B-501	VERT SCALE: AS SHOWN	SHEET: OF																							
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-B-501																																	
VERT SCALE: AS SHOWN	SHEET: OF																																		

\*\*\*PRELIMINARY. NOT FOR USE IN DEVELOPING CONSTRUCTION BIDS\*\*\*

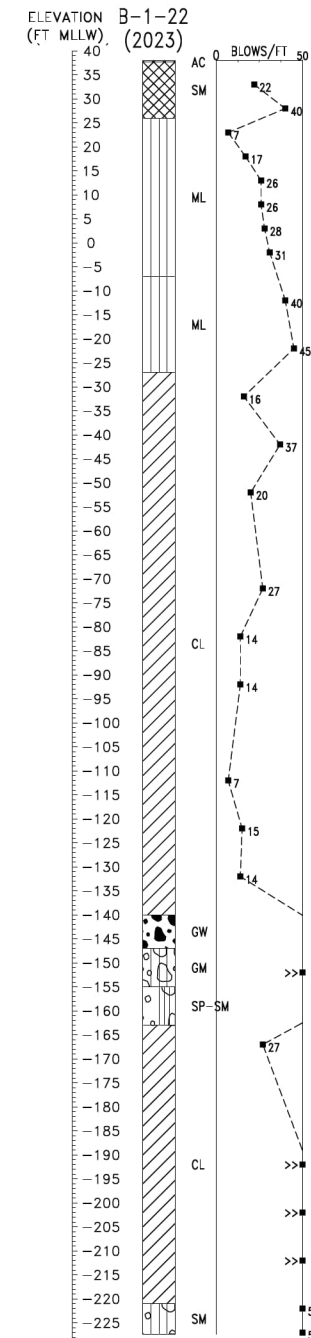
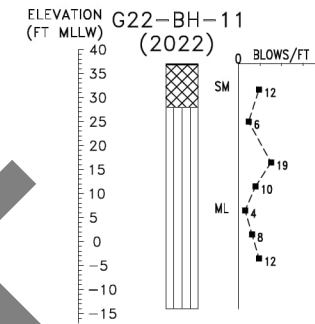
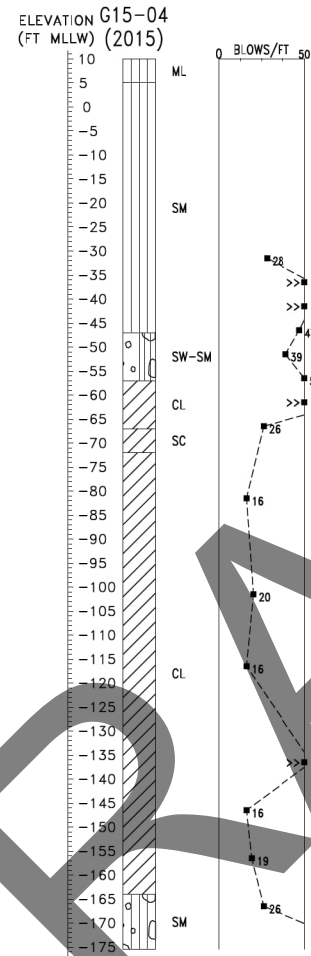
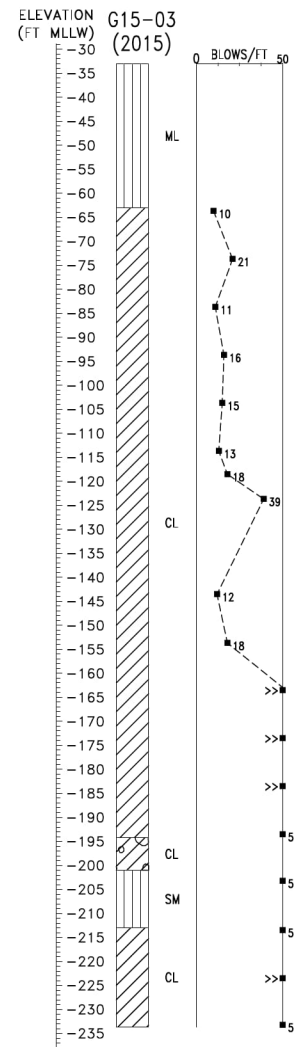








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**LEGEND**

**BOREHOLE LEGEND**

314 (1971) ← BOREHOLE ID AND REPORT DATE



**NOTES:**

1. COMBINED SOIL LEGENDS ARE BASED ON USCS.
2. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

DRAFT

65% SUBMITTAL

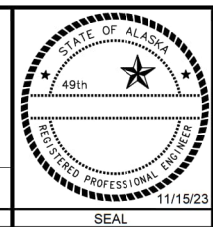
REV	DATE	DESCRIPTION	BY	APVD

GHD-WSP JV  
1400 W. BENSON BLVD, SUITE 400  
ANCHORAGE, ALASKA 99503  
AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 113511(WSP)

WSP

DSGN	DR	CHK	APVD
BXX	JDM	JRG	JRG

CONSULTANT



GEOTECHNICAL  
BORINGS - SHEET 4

PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM		
CARGO TERMINAL 1 DESIGN		
ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-B-604
VERT SCALE: AS SHOWN	SHEET: OF	

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