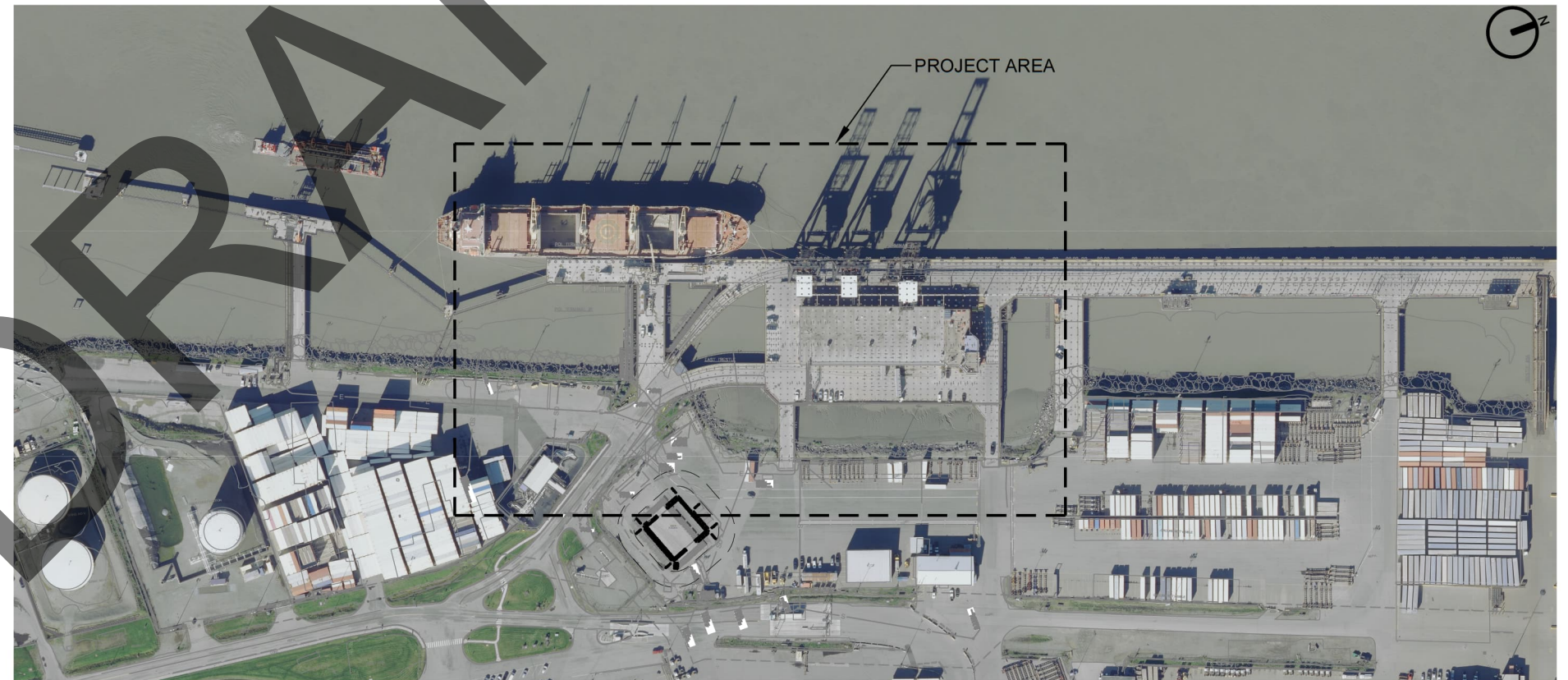
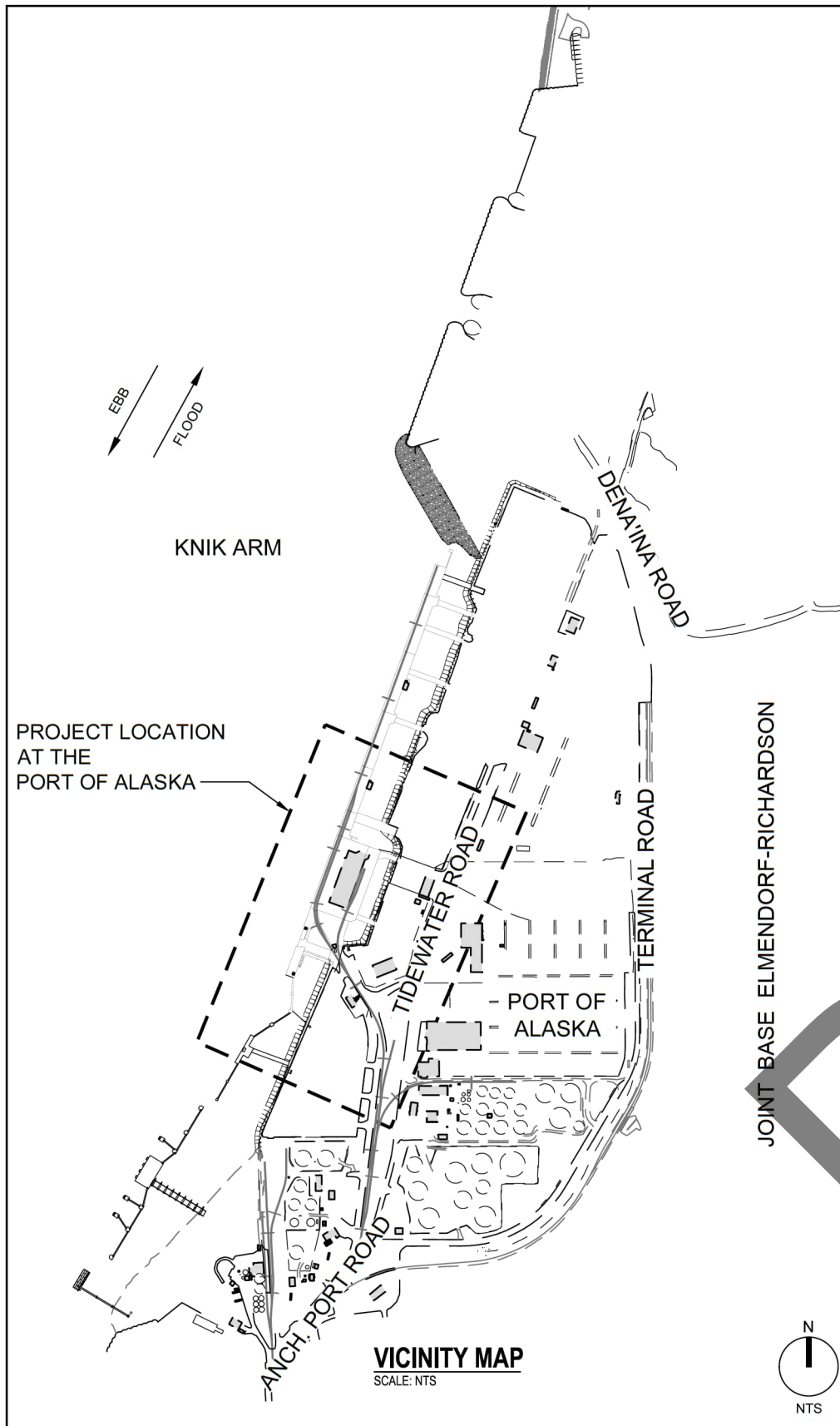


PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN



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

REVISIONS

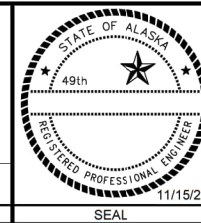
GHD **wsp**

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 GXX DR JDM CHK JRG APVD JRG

CONSULTANT



GENERAL

TITLE SHEET, VICINITY MAP, LOCATION MAP

PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-G-001
VERT SCALE: AS SHOWN	SHEET: OF	

DRAWING INDEX

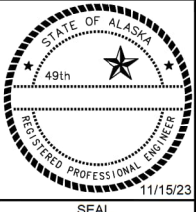
Table with 4 columns: SHEET NO., DRAWING NO., DRAWING TITLE. Categories include GENERAL, CIVIL (CONTINUED), STRUCTURAL PLANS (CONTINUED), STS CRANE WHARF INTERFACE DETAILS, MISCELLANEOUS DETAILS, FIRE PROTECTION, ELECTRICAL, and DEMOLITION.

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Table with 5 columns: REV, DATE, DESCRIPTION, BY, APVD. Includes a scale bar (1 inch on original drawing) and a REVISIONS section.

Logos for GHD and WSP. Includes contact information: GHD-WSP JV, 1400 W. BENSON BLVD, SUITE 400, ANCHORAGE, ALASKA 99503. License information for AK ENGINEERING LICENSE # 197742(GSD) and AK BUSINESS LICENSE # 2164152(GHD).



GENERAL
DRAWING INDEX - SHEET 1

Table with 2 columns: PORT OF ALASKA, PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN ANCHORAGE, ALASKA. Includes scale information: HORIZ SCALE: AS SHOWN, DATE: 11/17/23, VERT SCALE: AS SHOWN, SHEET: OF, T1-G-002.



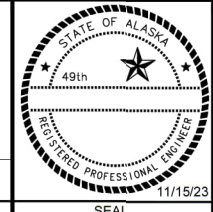


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DRAWING INDEX

SHEET NO.	DRAWING NO.	DRAWING TITLE
ELECTRICAL (CONTINUED)		
232	T1-E-322	WHARF DECK SECTIONS
233	T1-E-323	WHARF DECK SECTIONS
234	T1-E-401	SUBSTATION GROUNDING PLAN
235	T1-E-406	SUBSTATION CONTROL BUILDING POWER AND LIGHTING PLANS
236	T1-E-410	TERMINAL T1 ELECTRIC SHED POWER AND LIGHTING PLANS, AND ELEVATIONS
237	T1-E-501	MEDIUM VOLTAGE TERMINATION AND SPLICE DETAILS
238	T1-E-502	ELECTRICAL DETAILS 1
239	T1-E-504	ELECTRICAL DETAILS 2
240	T1-E-505	WALKWAY LIGHTING ELEVATION AND DETAIL SECTIONS
241	T1-E-506	TRESTLE LIGHTING SECTION AND DETAIL
242	T1-E-507	CMS CONNECTOR PIT PLAN AND SECTION
243	T1-E-508	ELECTRICAL DETAILS 3
244	T1-E-509	ELECTRICAL DETAILS 4
245	T1-E-511	LIGHTING DETAILS 1
246	T1-E-512	LIGHTING DETAILS 2
247	T1-E-513	GROUNDING DETAILS 1
248	T1-E-515	HEAT TRACE DETAILS 1
249	T1-E-516	HEAT TRACE DETAILS 2
250	T1-E-517	HEAT TRACE DETAILS 3
251	T1-E-518	HEAT TRACE DETAILS 4
252	T1-E-519	LOGICAL DIAGRAM FOR HEAT TRACE
253	T1-E-520	STANDARD DETAILS
254	T1-E-525	ELECTRICAL DETAILS 5
255	T1-E-526	ELECTRICAL DETAILS 6
256	T1-E-601	CONDUIT SCHEDULE - POWER
257	T1-E-602	CONDUIT SCHEDULE - CONTROLS AND INSTRUMENTATION
258	T1-E-603	LIGHT FIXTURE AND TRANSFORMER SCHEDULES
259	T1-E-604	PANEL SCHEDULES
260	T1-E-605	PANEL SCHEDULES
261	T1-E-606	PANEL SCHEDULES
262	T1-E-806	FLOOD LIGHT CONTROL AND SCHEMATIC DIAGRAMS
263	T1-E-807	FLOOD LIGHT CONTROL PANELS
264	T1-E-808	GROUND CHECK SCHEMATIC DIAGRAM
265	T1-E-809	ELECTRICAL CONTROL DIAGRAMS
TELECOMMUNICATIONS		
266	T1-T-200	COMPOSITE PORT CCTV AND TELECOMMUNICATION SITE PLAN 1"=200'
267	T1-T-201	OVERALL CCTV AND TELECOMMUNICATION SITE PLAN 1"=80'
268	T1-T-202	TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
269	T1-T-203	TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
270	T1-T-204	UPLAND TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
271	T1-T-205	UPLAND TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
272	T1-T-206	UPLAND TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
273	T1-T-207	UPLAND TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
274	T1-T-208	UPLAND TERMINAL 1 CCTV AND TELECOMMUNICATION PLAN 1"=20'
275	T1-T-501	TELECOMMUNICATION DETAILS
276	T1-T-801	TELECOMMUNICATIONS SCHEMATICS AND DIAGRAMS
CATHODIC PROTECTION		
277	T1-T-201	WHARF, FENDER, TRESTLE AND DOLPHIN CATHODIC PROTECTION PLAN
278	T1-W-202	T1-A AND T1-B BULKHEADS DISTRIBUTED ICCP PLAN
279	T1-W-410	TERMINAL T1 SHED POWER CATHODIC PROTECTION AND LIGHTING PLANS AND ELEVATIONS
280	T1-W-541	ELEVATION & SECTIONS PILE CP AND BOND WIRE INSTALLATION
281	T1-W-542	DOLPHIN PILE ANODE, BONDING AND CP DRAIN
282	T1-W-543	ANODE LEAD WIRE SHORE-SIDE ROUTING FOR T1-A TRESTLE, T1-B TRESTLE, WHARF AND DOLPHIN
283	T1-W-545	PIER, TRESTLE, WHARF, DOLPHIN AND ABUTMENTS ICCP CIRCUIT DIAGRAM
284	T1-W-546	ANODE JUNCTION BOX DETAILS
285	T1-W-547	FENDER ANODE AND CP NEGATIVE DRAIN JUNCTION BOX DETAILS
286	T1-W-548	FENDER ANODE LAYOUT
287	T1-W-549	FENDER ANODE LAYOUT CONDUIT ROUTING TOP VIEW
288	T1-W-556	LANDSIDE DETAIL FOR APPLICATION OF GALVANIC CP TO BURIED PIPES/ UTILITIES
289	T1-W-557	TYPICAL SHORESIDE GALVANIC CP CONNECTIONS AND TEST STATION DETAILS
290	T1-W-601	ANODE, ANODE WIRE, CP DRAIN AND BONDING WIRE SCHEDULE
291	T1-W-602	CONDUIT AND PULL BOX SCHEDULE

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VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	<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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	APVD																					 				GENERAL DRAWING INDEX - SHEET 2	PORT OF ALASKA PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN ANCHORAGE, ALASKA
	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) - 113511(WSP)	DSGN: GXX DR: JDM CHK: JRG APVD: JRG CONSULTANT	SEAL				HORIZ SCALE: AS SHOWN DATE: 11/17/23 VERT SCALE: AS SHOWN SHEET: OF																									
							T1-G-003																									

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GENERAL

- THESE NOTES CONTAIN GENERAL INFORMATION AND ARE NOT NECESSARILY COMPLETE FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL VERIFY INFORMATION SHOWN ON THE DRAWINGS, IN THE SPECIFICATIONS AND OTHER DOCUMENTS, AND BRING ANY CONFLICTS TO THE ATTENTION OF THE ENGINEER BEFORE BEGINNING THE AFFECTED WORK. THE ENGINEER WILL RESOLVE ANY SUCH CONFLICTS. SEE THE SPECIFICATIONS FOR AVAILABLE RECORD DRAWINGS AND REFERENCE DOCUMENTS.
- THE ADJACENT MARINE TERMINALS (POL 2, TERMINAL 2 AND TERMINAL 3) WILL BE IN OPERATION DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL KEEP ITS WORKERS, MATERIAL, AND EQUIPMENT CLEAR OF ALL SHIPPING AND CONTAINER HANDLING OPERATIONS AND SHALL NOT IN ANY WAY HINDER OR DISRUPT TERMINAL OPERATIONS.

THE PROJECT SITE IS LOCATED ALONG AN ACTIVE SHIPPING CHANNEL. AT NO TIME SHALL THE CONTRACTOR OBSTRUCT OR HINDER SHIPPING ACTIVITIES WITHIN THE CHANNEL. ALL WATER BORNE CONSTRUCTION EQUIPMENT SHALL BE MOORED OUT OF THE SHIPPING CHANNEL. NO MOORING LINES OR ANCHORS SHALL BE PLACED WITHIN THE CHANNEL.
- PROJECT DATUM AND SURVEY CONTROL: REFER TO DWG XX.XX FOR ESTABLISHED PROJECT CONTROL POINTS. THE CONTRACTOR SHALL PERFORM ALL SURVEYING AND STAKING REQUIRED DURING CONSTRUCTION. SEE SPECIFICATIONS ALSO.
- LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THESE PLANS. SEE THE SPECIFICATIONS FOR AVAILABLE RECORD DRAWINGS AND REFERENCE DOCUMENTS.
- THE CONTRACTOR SHALL USE 811AK.COM (ALASKA 811 DIGLINE INC.) FOR UTILITY LOCATION SERVICE. ADDITIONALLY, THE CONTRACTOR SHALL PROCESS A DIGGING PERMIT THROUGH THE PORT OF ALASKA BEFORE COMMENCING EXCAVATION. DOCUMENTATION OF ALL LOCATES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION. INFORM THE ENGINEER OF ANY POTENTIAL CONFLICTS OR INTERFERENCES FOR RESOLUTION PRIOR TO PERFORMING EXCAVATIONS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION AND EROSION CONTROL (TESC) FACILITIES TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PIPED DRAINAGE SYSTEM. REFER TO THE APPLICABLE DRAWINGS AND THE SPECIFICATIONS FOR PLANS AND DETAILS THAT DESCRIBE THE MINIMUM TESC FEATURES REQUIRED.

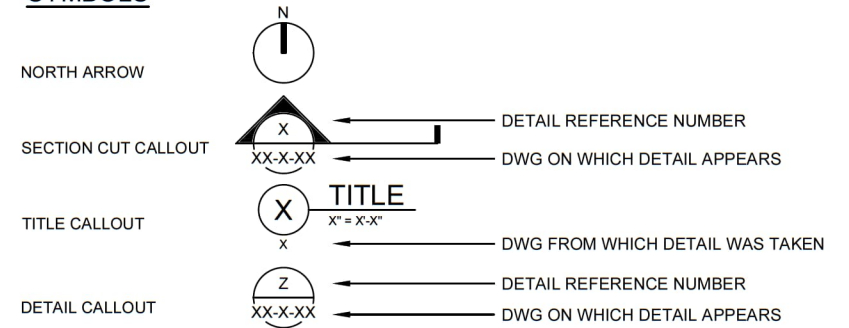
AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHALL REVISE TESC FACILITIES AND CONFIGURATIONS AS NECESSARY TO ENSURE COMPLETE SILTATION CONTROL AND THAT NO SEDIMENT LADEN WATER ENTERS THE NATURAL OR PIPED DRAINAGE SYSTEM.

DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY ITS ACTIVITIES AND TO PROVIDE ADDITIONAL TESC FACILITIES THAT MAY BE NEEDED TO PROTECT THE SITE, ADJACENT LAND AND EXISTING DRAINAGE FEATURES. REMOVE TESC FACILITIES AT COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL ENSURE NO DEMOLITION, CONSTRUCTION, OR OTHER DEBRIS FALLS TO THE SLOPE OR IN THE WATER. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ALL DEBRIS THAT INADVERTENTLY FALLS ON THE SLOPE OR IN THE WATER ON AN ONGOING BASIS. SEE ADDITIONAL NOTES UNDER DEMOLITION AND THE SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO AS REQUIRED TO RECOVER ANY TOOLS, EQUIPMENT, OR MATERIALS THAT HAVE FALLEN INTO THE HARBOR. ON A WEEKLY BASIS, THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION THAT ALL SUCH DELETERIOUS MATERIALS ARE CLEARED FROM THE ADJACENT BERTHS AND BERTH APPROACHES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SELECTING PILE DRIVING EQUIPMENT, INCLUDING VIBRATORY AND IMPACT DRIVING HAMMERS. THE CONTRACTOR SHALL UTILIZE ALL GEOTECHNICAL INVESTIGATIONS PROVIDED IN THE CONTRACT DOCUMENTS AS REQUIRED BY THE CONTRACTOR'S CONSULTANT TO MAKE EQUIPMENT SELECTIONS.
- THE CONTRACTOR MAY AT THEIR OWN DISCRETION, UTILIZE PARTIALLY CONSTRUCTED TRESTLES TO ADVANCE THE CONSTRUCTION, PROVIDED THAT THE PERMANENT WORKS ARE PROTECTED FROM OVERLOADING, FUNCTIONAL, AND OR COSMETIC DAMAGES.

GENERAL CONT.

- THE CONTRACTOR SHALL SUPPLY, INSTALL, AND MAINTAIN AT ALL TIMES FLOATING DEBRIS BOOMS AROUND ALL ACTIVE WORK AREAS OVER THE SLOPE AND IN OR OVER THE WATER.
- THE CONTRACTOR SHALL KEEP ALL ON-SITE PROJECT AREAS CLEAN AT ALL TIMES BY SWEEPING. WASHING AND/OR USE OF A WATER TRUCK TO CLEAN PAVED AREAS ARE/IS NOT ALLOWED.
- ALL EXISTING FEATURES AND PAVED SURFACES, INCLUDING TERMINAL YARDS, ROADWAYS, SIDEWALKS, FENCES, AND CURBS DESIGNATED TO REMAIN THAT ARE DAMAGED, AS DETERMINED BY THE ENGINEER, DURING CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT ITS OWN EXPENSE.
- THE CONTRACTOR SHALL DISPOSE OF EXCESS OR UNSUITABLE MATERIALS AS INDICATED IN THE SPECIFICATIONS. SEE SPECIFICATIONS FOR ITEMS TO BE SALVAGED.
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH NOTIFICATIONS OF UTILITY OUTAGES. THE CONTRACTOR SHALL COORDINATE AND ARRANGE FOR ALL UTILITY CONNECTIONS, UTILITY RELOCATIONS AND/OR SERVICE INTERRUPTIONS WITH ENGINEER, APPROPRIATE UTILITY OWNER AND WITH THE MUNICIPALITY OF ANCHORAGE. CONNECTIONS TO EXISTING PUBLIC UTILITIES SHALL BE MADE PER UTILITY PROVIDER REQUIREMENTS. EXISTING UTILITY LINES IN SERVICE WHICH ARE DAMAGED DUE TO CONSTRUCTION WORK SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND INSPECTED AND ACCEPTED BY UTILITY OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING.
- CONTRACTOR AREAS FOR STAGING, LAYDOWN, STORAGE OF MATERIALS AND EQUIPMENT SHALL BE CONFINED TO THE PROJECT SITE, AS SHOWN ON DWG XX.XX. REFER TO SPECIFICATIONS FOR ADDITIONAL SITE ACCESS INFORMATION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE ADEQUACY OF EXISTING STRUCTURES AND UTILITIES TO SUPPORT CONSTRUCTION EQUIPMENT AND LOADS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL INSTALL AND MAINTAIN SHORING AND BRACING NECESSARY TO PROTECT WORKERS, UTILITIES AND OTHER IMPROVEMENTS AND EXCAVATIONS AGAINST LOSS OF GROUND, ROCKS, RIPRAP, GRAVELS, OR CAVING EMBANKMENTS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVAL OF TEMPORARY SHORING AND BRACING.
- A GEOTECHNICAL REPORT PREPARED BY ???, IS INCLUDED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL READ AND BE THOROUGHLY FAMILIAR WITH THE CONTENTS THEREOF.
- ALL DEVIATIONS FROM THESE PLANS SHALL BE RECORDED ON A SET OF "AS-BUILT" OR RECORD DRAWINGS. THE CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS, SEE SECTION 01 70 00, EXECUTION AND CLOSEOUT REQUIREMENTS.

SYMBOLS



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<p>VERIFY SCALES</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> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">REVISIONS</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) - 113511(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>GXX</td> <td>JDM</td> <td>JRG</td> <td>JRG</td> </tr> </table> <p style="text-align: center; font-size: 8px;">CONSULTANT</p>	DSGN	DR	CHK	APVD	GXX	JDM	JRG	JRG	<p style="font-size: 8px;">SEAL</p>			<p>GENERAL</p> <p>GENERAL NOTES, SYMBOLS, & LEGENDS</p>	<p>PORT OF ALASKA</p> <p>PORT OF ALASKA MODERNIZATION PROGRAM</p> <p>CARGO TERMINAL 1 DESIGN</p> <p>ANCHORAGE, ALASKA</p> <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="font-size: 12px; font-weight: bold;">T1-G-004</td> </tr> <tr> <td>VERT SCALE: AS SHOWN</td> <td>SHEET: OF</td> </tr> </table>	HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-G-004	VERT SCALE: AS SHOWN	SHEET: OF
REV	DATE	DESCRIPTION	BY	APVD																																									
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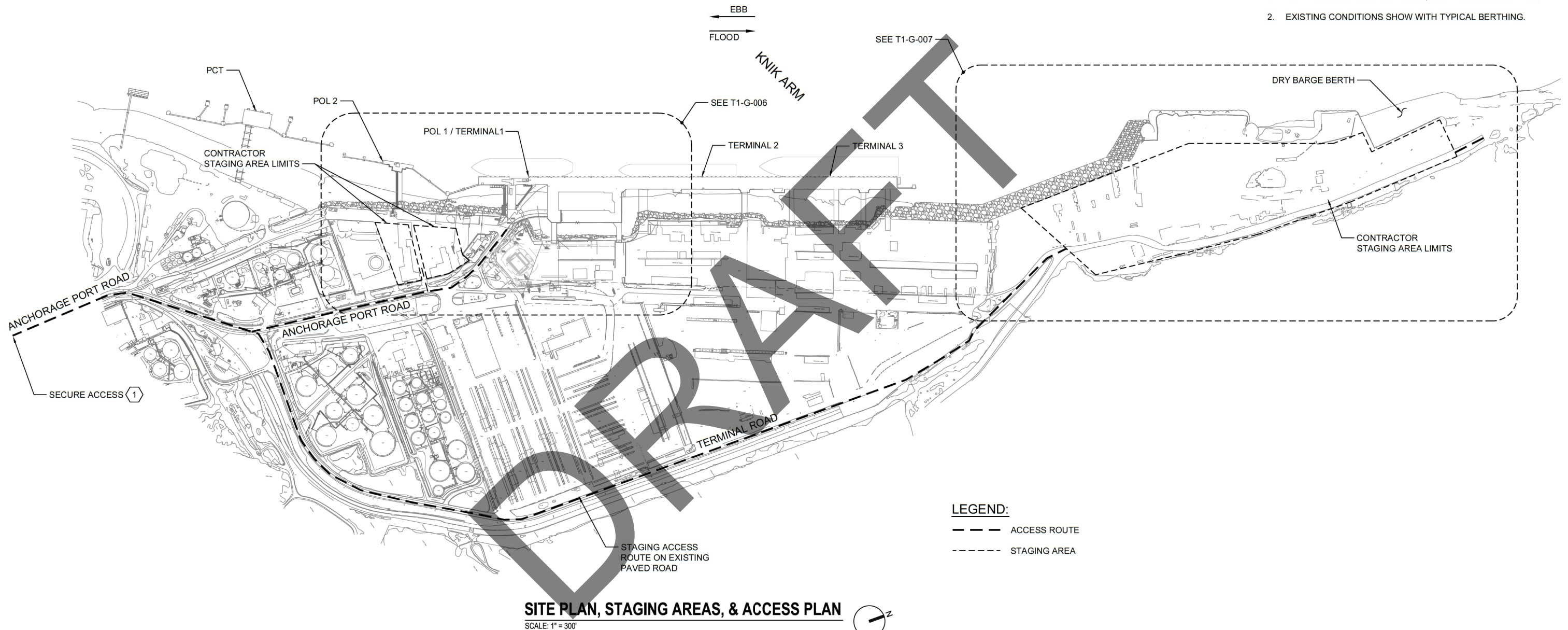
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SHEET KEYNOTES

- 1 THE PORT OF ALASKA IS A RESTRICTED FACILITY AND SECURITY CLEARANCE IS REQUIRED FOR PROJECT ACCESS. PORT ACCESS MAY BE LIMITED OR RESTRICTED AT ANY TIME. COORDINATE AND COMPLY WITH CONTRACTOR ACCESS AND SECURITY PROTOCOLS THROUGHOUT CONSTRUCTION.
- 2 MANAGE FUGITIVE DUST FROM EARTH MOVING OPERATIONS ACCORDING TO THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

NOTES:

- 1. FOR PROJECT AREA PER PHASE, SEE PHASING DRAWINGS.
- 2. EXISTING CONDITIONS SHOW WITH TYPICAL BERTHING.

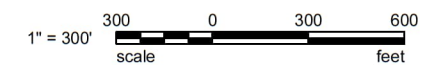


SITE PLAN, STAGING AREAS, & ACCESS PLAN

SCALE: 1" = 300'

LEGEND:

- ACCESS ROUTE
- STAGING AREA



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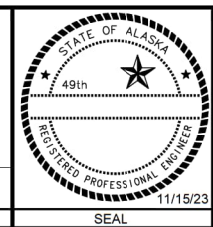
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REV	DATE	DESCRIPTION	BY	APVD
REVISIONS				

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

DSGN	DR	CHK	APVD
GXX	JDM	JRG	JRG

CONSULTANT



GENERAL

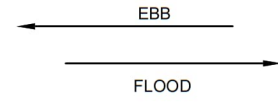
SITE PLAN, STAGING AREA, & ACCESS PLAN

PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM		
CARGO TERMINAL 1 DESIGN		
ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-G-005
VERT SCALE: AS SHOWN	SHEET: 5 OF 291	

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ANCHORAGE BOWL 2000 ADJUSTMENT

WP#	NORTHING	EASTING	WP#	NORTHING	EASTING
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2	347207.28	347509.36	7	347453.09	347790.25
3	347171.49	347850.20	8	347478.44	347836.64
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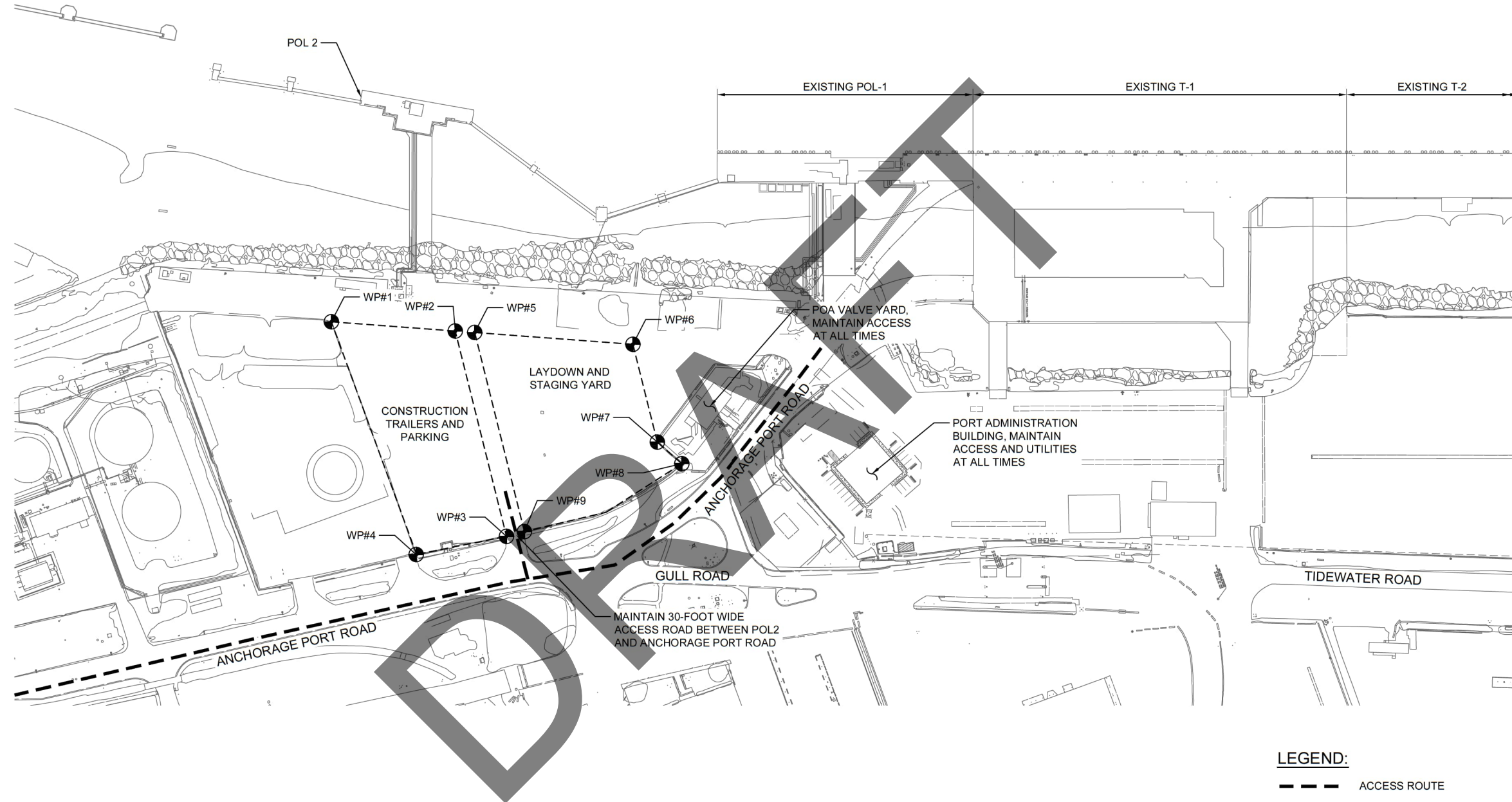


NOTES:

- FOR PROJECT AREA PER PHASE, SEE PHASING DRAWINGS.

SHEET KEYNOTES

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- MANAGE FUGITIVE DUST FROM EARTH MOVING OPERATIONS ACCORDING TO THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).



LEGEND:
 - - - - - ACCESS ROUTE
 - - - - - STAGING AREA

SITE PLAN, STAGING AREAS, & ACCESS PLAN
 SCALE: 1" = 100'



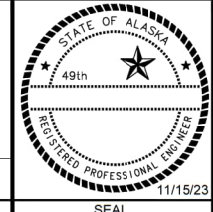
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REV	DATE	DESCRIPTION	BY	APVD

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

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
GXX	JDM	JRG
CONSULTANT		APVD
		JRG

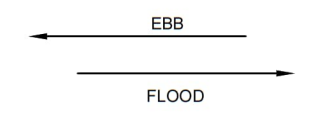


GENERAL
 SITE PLAN, STAGING AREA, & ACCESS PLAN

PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM		
CARGO TERMINAL 1 DESIGN		
ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-G-006
VERT SCALE: AS SHOWN	SHEET: OF	

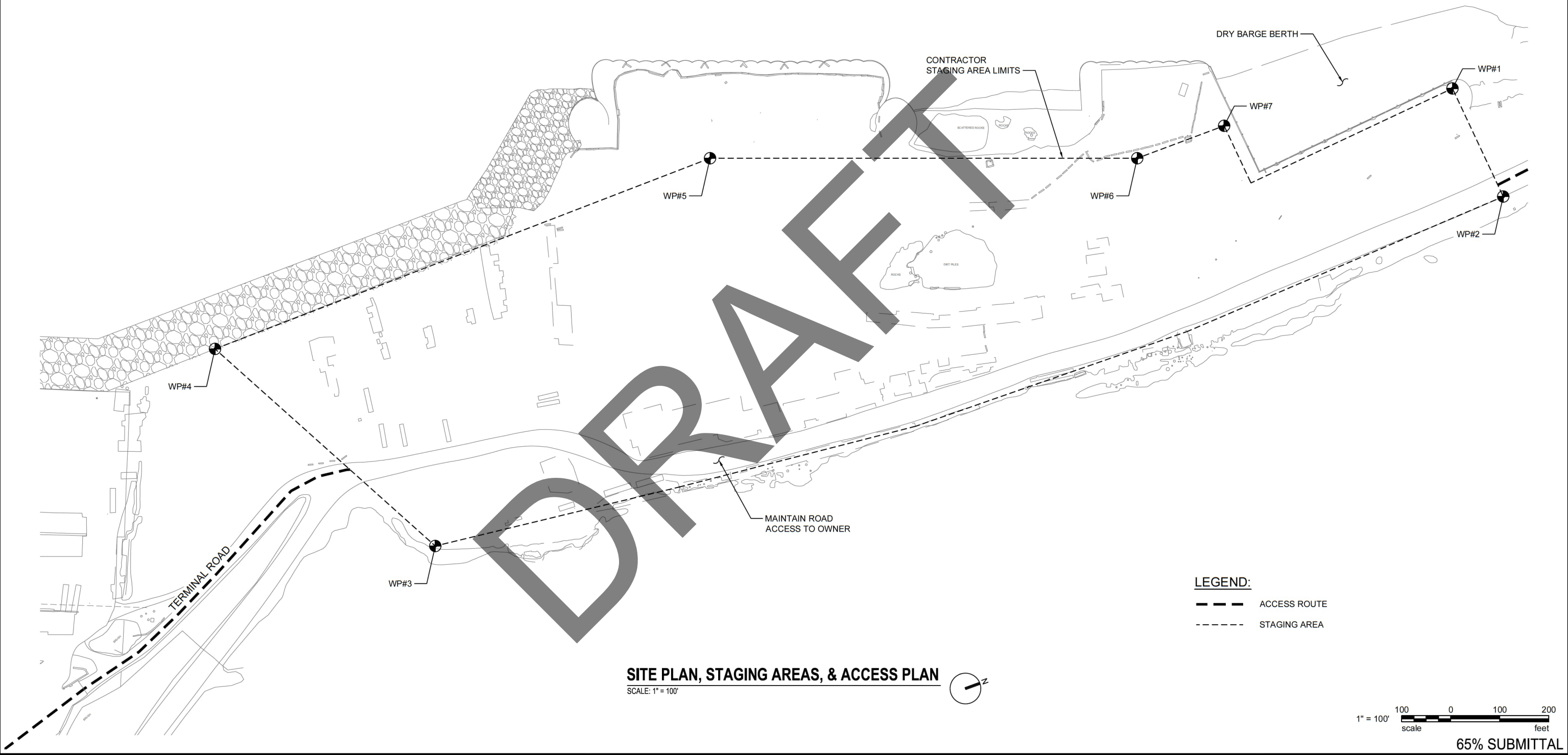
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ANCHORAGE BOWL 2000 ADJUSTMENT					
WP#	NORTHING	EASTING	WP#	NORTHING	EASTING
1	353270.15	349042.82	5	351798.21	348658.56
2	353291.98	349285.44	6	352617.59	348956.79
3	351001.15	349210.45	7	352806.65	348955.20
4	350716.68	348678.96			



NOTES:
 1. FOR PROJECT AREA PER PHASE, SEE PHASING DRAWINGS.

SHEET KEYNOTES	
1	THE PORT OF ALASKA IS A RESTRICTED FACILITY AND SECURITY CLEARANCE IS REQUIRED FOR PROJECT ACCESS. PORT ACCESS MAY BE LIMITED OR RESTRICTED AT ANY TIME. COORDINATE AND COMPLY WITH CONTRACTOR ACCESS AND SECURITY PROTOCOLS THROUGHOUT CONSTRUCTION.
2	MANAGE FUGITIVE DUST FROM EARTH MOVING OPERATIONS ACCORDING TO THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).



SITE PLAN, STAGING AREAS, & ACCESS PLAN
 SCALE: 1" = 100'

LEGEND:
 - - - ACCESS ROUTE
 - - - STAGING AREA



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VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	<table border="1"> <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> </tbody> </table>	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) - 1113511(WSP)				GENERAL SITE PLAN, STAGING AREA, & ACCESS PLAN	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-G-007
	REV	DATE	DESCRIPTION	BY	APVD														
<table border="1"> <thead> <tr> <th>DSGN</th> <th>DR</th> <th>CHK</th> <th>APVD</th> </tr> </thead> <tbody> <tr> <td>GXX</td> <td>JDM</td> <td>JRG</td> <td>JRG</td> </tr> </tbody> </table>	DSGN	DR	CHK	APVD	GXX	JDM	JRG	JRG											
DSGN	DR	CHK	APVD																
GXX	JDM	JRG	JRG																

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TERMINAL 1 PHASING

PHASE 1A (2025 CONSTRUCTION SEASON)

1. CONSTRUCT GROUND IMPROVEMENT AT TRESTLE 1A.
 - A. RELOCATE UTILITIES IN FOOTPRINT OF GROUND IMPROVEMENT, EXCEPT FUEL AND OIL INFRASTRUCTURE, WHICH SHALL REMAIN OPERATIONAL.
 - B. REMOVE EXISTING RIP-RAP IN FOOTPRINT OF GROUND IMPROVEMENT.
 - C. DREDGE WITHIN FOOTPRINT OF TEMPORARY FILL
 - D. PLACE TEMPORARY FILL
 - E. INSTALL GROUND IMPROVEMENT
 - F. REMOVE TEMPORARY FILL
 - G. INSTALL SHORELINE ARMORING

NOTES:

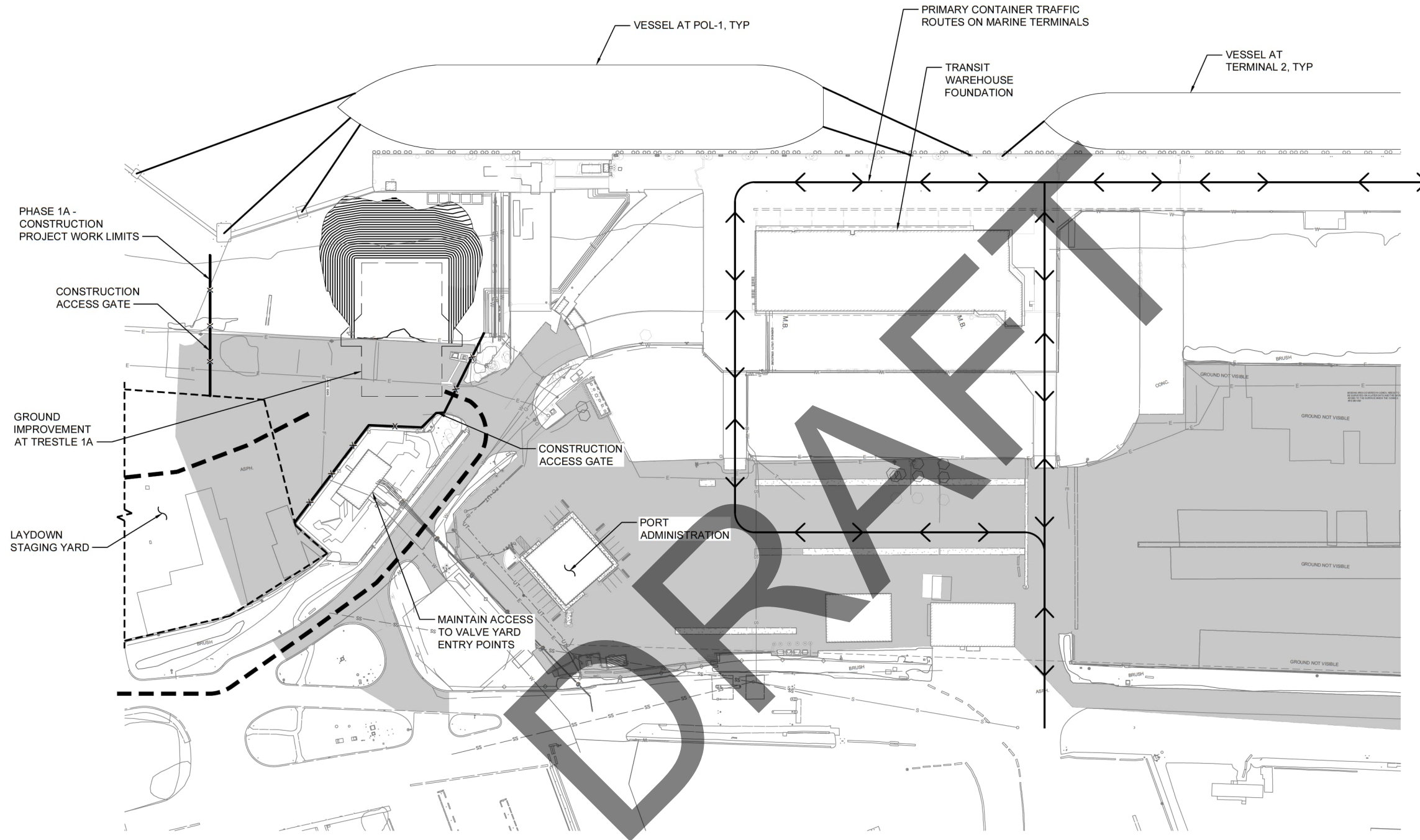
1. FOR DETAILS NOT SHOW SEE T1-G-007.
2. ALL DISTURBED GROUND AND SHORELINE SHALL BE PROTECTED FROM EROSION, INCLUDING TEMPORARY FILL PLACE FOR GROUND IMPROVEMENT.
3. NO IN-WATER CONSTRUCTION SHALL OCCUR DURING PHASE 1A.

PORT OPERATIONS DURING PHASE 1A

1. ALL PORT MARINE TERMINALS SHALL REMAIN OPERATIONAL DURING PHASE 1A.
2. MAINTAIN ACCESS TO ALL MARINE TERMINALS AND UPLAND INFRASTRUCTURE.

LEGEND:

- STAGING AREA
- ACCESS ROUTE
- X--- CONSTRUCTION FENCING
- ↔ PRIMARY MARINE TERMINAL TRAFFIC ROUTE



PLAN - PHASE 1A

SCALE: 1" = 75'



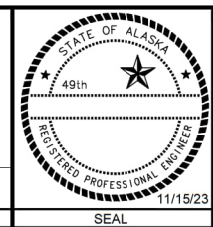
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REV	DATE	DESCRIPTION	BY	APVD
REVISIONS				

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)

DR JDM
CHK JRG
APVD JRG

CONSULTANT



GENERAL
CONSTRUCTION PHASING PLANS (1 OF 5)

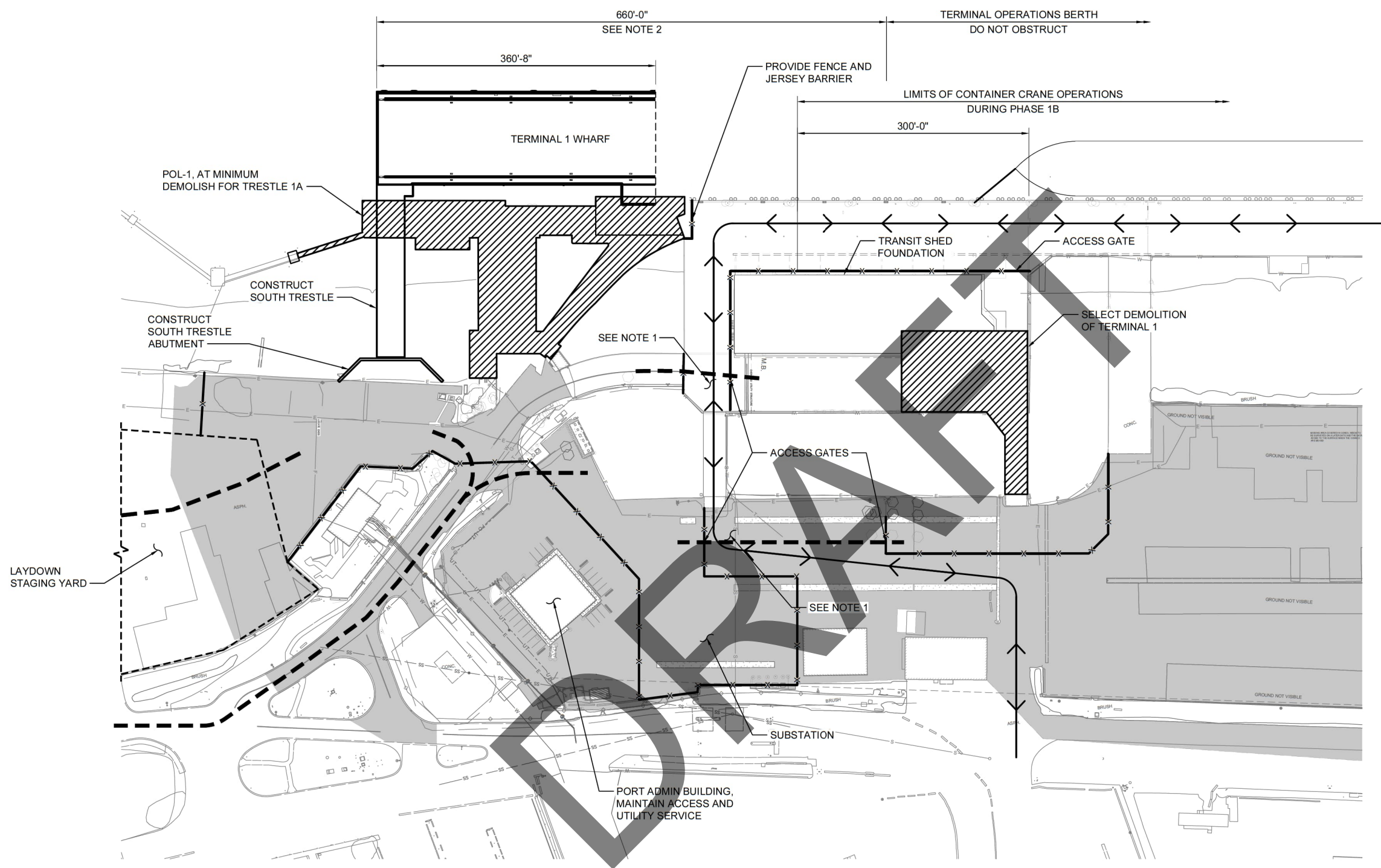
PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM CARGO TERMINAL 1 DESIGN ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-G-201
VERT SCALE: AS SHOWN	SHEET: 8 OF 291	

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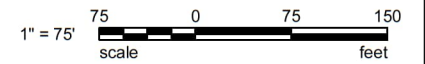
- TERMINAL 1 PHASING**
- PHASE 1B (2026 CONSTRUCTION SEASON)**
1. DEMOLISH POL-1, AT A MINIMUM FOR TRESTLE 1A.
 2. CONSTRUCT TRESTLE 1A.
 3. CONSTRUCT SOUTHERN 360-LINEAR-FEET OF TERMINAL 1 WHARF.
 4. BEGIN CONSTRUCTION OF THE SUBSTATION.
 5. DEMOLISH NORTHEAST PORTION OF TERMINAL 1 WHARF FOR INSTALLATION OF GROUND IMPROVEMENT AT THE 1B TRESTLE

- NOTES:**
1. PROVIDE FLAGGERS AT LOCATIONS OF CONSTRUCTION AND TERMINAL OPERATION CROSS TRAFFIC.
 2. 660-LINEAR FEET OF POL-1 AND TERMINAL 1 BERTH SHALL BE FULL AVAILABLE TO MARINE CONSTRUCTION DURING PHASE 1B.

- LEGEND:**
- STAGING AREA
 - ACCESS ROUTE
 - x--- CONSTRUCTION FENCING
 - ↔ PRIMARY MARINE TERMINAL TRAFFIC ROUTE



PLAN - PHASE 1B
SCALE: 1" = 75'



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<p>VERIFY SCALES</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"> <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> </tbody> </table>	REV	DATE	DESCRIPTION	BY	APVD						<p>GHD wsp</p> <p>GHD-WSP JV 1400 W. BENSON BLVD, SUITE 400 ANCHORAGE, ALASKA 99503</p> <p>AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 1113511(WSP)</p> <p>DSGN: GXX DR: JDM CHK: JRG APVD: JRG</p> <p>CONSULTANT</p>				<p>GENERAL</p> <p>CONSTRUCTION PHASING PLANS (2 OF 5)</p>	<p>PORT OF ALASKA</p> <p>PORT OF ALASKA MODERNIZATION PROGRAM</p> <p>CARGO TERMINAL 1 DESIGN</p> <p>ANCHORAGE, ALASKA</p>	<p>HORIZ SCALE: AS SHOWN DATE: 11/17/23</p> <p>VERT SCALE: AS SHOWN SHEET: 9 OF 291</p> <p>T1-G-202</p>
REV	DATE	DESCRIPTION	BY	APVD															

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TERMINAL 1 PHASING

STEP 1C (2027 CONSTRUCTION SEASON)

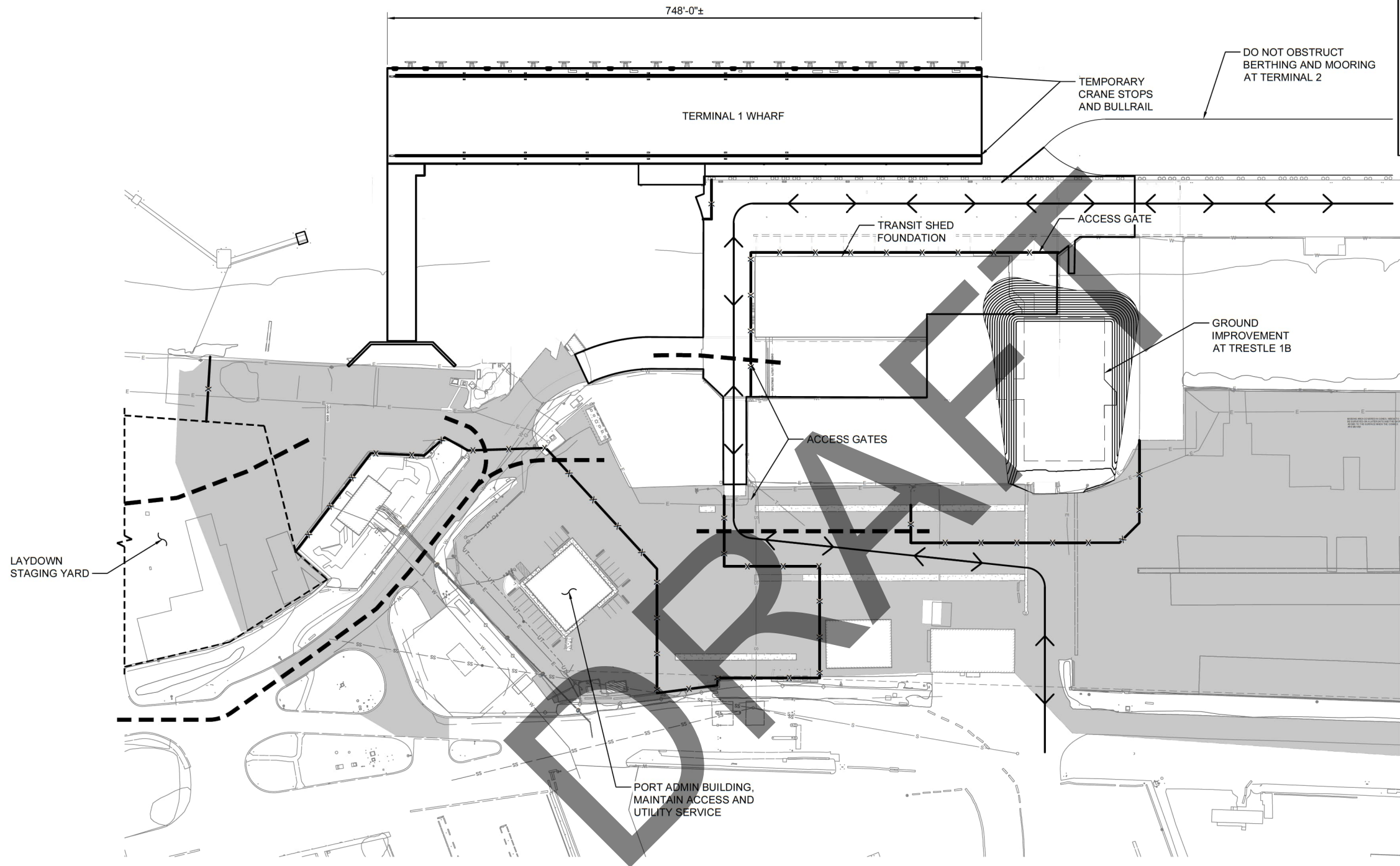
1. NORTH TRESTLE GROUND IMPROVEMENT
 - A. REMOVE RIP-RAP
 - B. DREDGE SILT
 - C. PLACE FILL (PERMANENT AND TEMP)
 - D. PERFORM GROUND IMPROVEMENT
 - E. REMOVE TEMPORARY FILL
 - F. INSTALL SHORELINE RIP-RAP
2. COMPLETE TERMINAL 1 WHARF FOR PHASE 1, 745-LINEAR- FEET OF WHARF.
3. INSTALL FENDER SYSTEM.
4. COMPLETE UPLAND SUBSTATION AND ELECTRICAL INFRASTRUCTURE FOR PHASE 1.
5. COMPLETE POTABLE WATER AND DRY FIRE SYSTEM FOR PHASE 1.

NOTES:

- 1.

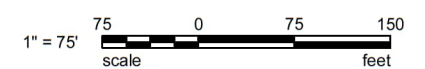
LEGEND:

- STAGING AREA
- ACCESS ROUTE
- x--- CONSTRUCTION FENCING
- ↔ PRIMARY MARINE TERMINAL TRAFFIC ROUTE



PLAN - PHASE 1C

SCALE: 1" = 75'



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REV	DATE	DESCRIPTION	BY	APVD
REVISIONS				

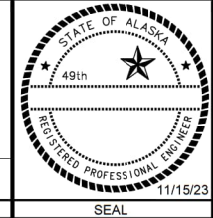
GHD **wsp**

GHD-WSP JV
1400 W. BENSON BLVD, SUITE 400
ANCHORAGE, ALASKA 99503

AK ENGINEERING LICENSE # 197742(GHD) - AECC236(WSP) AK BUSINESS LICENSE # 2164152(GHD) - 113311(WSP)

DSGN: GXX DR: JDM CHK: JRG APVD: JRG

CONSULTANT



GENERAL
CONSTRUCTION PHASING PLANS (3 OF 5)

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: 10 OF 291

T1-G-203

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TERMINAL 1 PHASING

STEP 2A (2028 CONSTRUCTION SEASON)

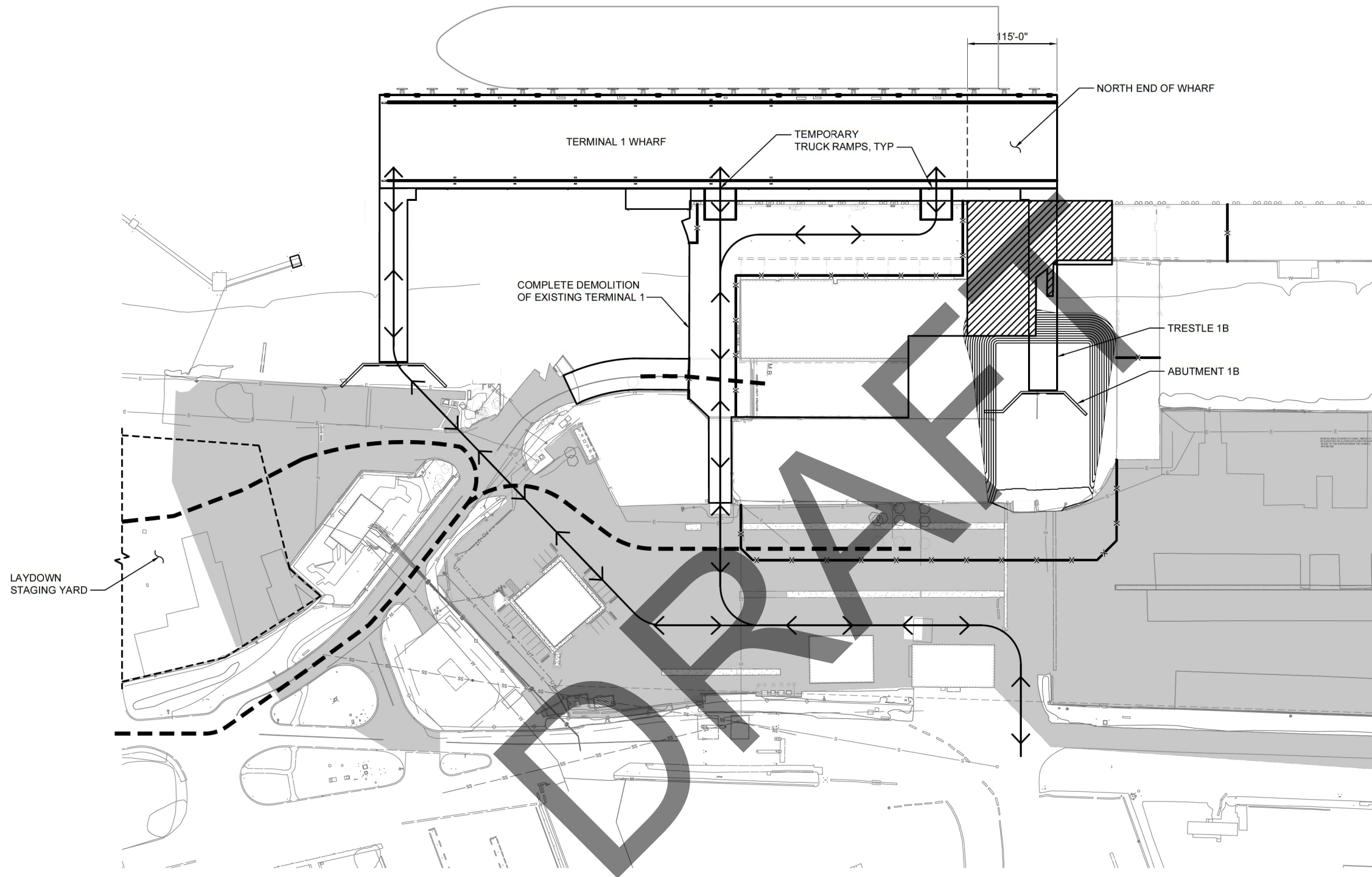
- INSTALL TEMPORARY RAMPS
- DEMOLISH EXISTING WHARF FOR INSTALLATION OF TRESTLE 1B.
- CONSTRUCT TRESTLE 1B.
- COMPLETE NORTH END OF WHARF.

NOTES:

1. PROVIDE FLAGGERS AT LOCATIONS OF CONSTRUCTION AND TERMINAL OPERATION CROSS TRAFFIC.
2. 660-LINEAR FEET OF POL-1 AND TERMINAL 1 BERTH SHALL BE FULL AVAILABLE TO MARINE CONSTRUCTION DURING PHASE 1B.

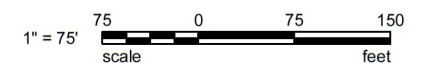
LEGEND:

- STAGING AREA
- ACCESS ROUTE
- x--- CONSTRUCTION FENCING
- ↔ PRIMARY MARINE TERMINAL TRAFFIC ROUTE



PLAN - PHASE 2A

SCALE: 1" = 75'



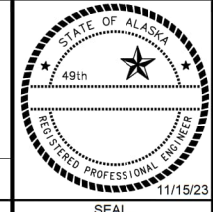
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REV	DATE	DESCRIPTION	BY	APVD

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 GXX	DR JDM	CHK JRG	APVD JRG
CONSULTANT			



GENERAL
CONSTRUCTION PHASING PLANS (4 OF 5)

PORT OF ALASKA		
PORT OF ALASKA MODERNIZATION PROGRAM		
CARGO TERMINAL 1 DESIGN		
ANCHORAGE, ALASKA		
HORIZ SCALE: AS SHOWN	DATE: 11/17/23	T1-G-204
VERT SCALE: AS SHOWN	SHEET: 11 OF 291	

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TERMINAL 1 PHASING

STEP 2B (2028 CONSTRUCTION SEASON)

1. DEMOLISH REMAINDER OF EXISTING WHARF
2. REMOVE REMAINING SHORELINE RIPRAP IN AREA OF FILL.
3. DREDGE SILT IN AREA OF FILL
4. COMPLETE SHORELINE FILL

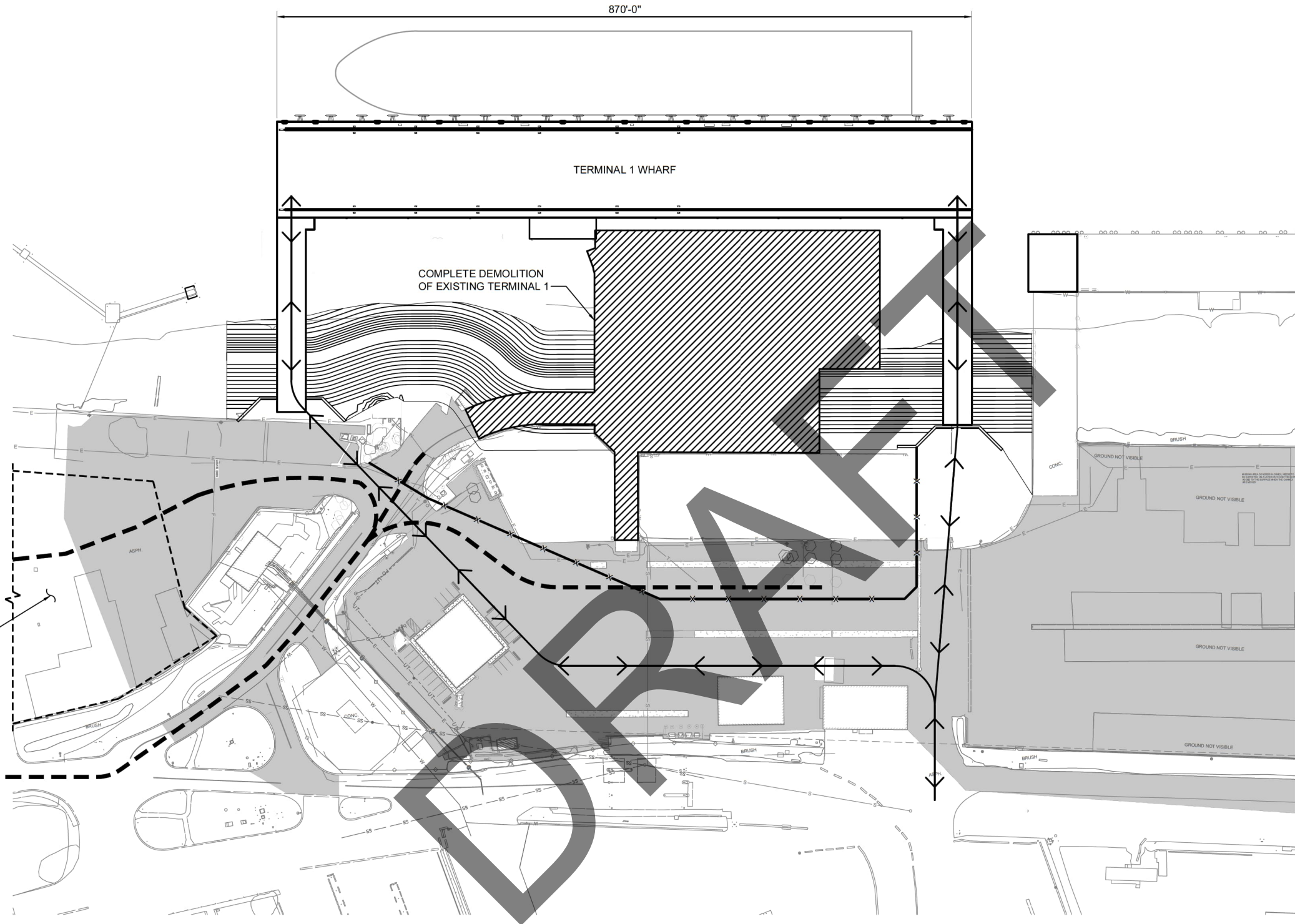
NOTES:

1. PROVIDE FLAGGERS AT LOCATIONS OF CONSTRUCTION AND TERMINAL OPERATION CROSS TRAFFIC.

LEGEND:

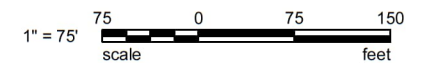
- STAGING AREA
- ACCESS ROUTE
- X--- CONSTRUCTION FENCING
- ↔ PRIMARY MARINE TERMINAL TRAFFIC ROUTE

LAYDOWN STAGING YARD



PLAN - PHASE 2B

SCALE: 1" = 75'



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	PORT OF ALASKA MODERNIZATION PROGRAM															
	CARGO TERMINAL 1 DESIGN															
ANCHORAGE, ALASKA																
HORIZ SCALE: AS SHOWN		DATE: 11/17/23		T1-G-205		SEAL		SHEET: 12 OF 291								
VERT SCALE: AS SHOWN																

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