

Municipality of Anchorage

Port of Alaska

**PORT OF ALASKA MODERNIZATION PROGRAM
DESIGN/BUILD SERVICES FOR
HELIPAD AND ACCESS ROAD**

REQUEST FOR PROPOSAL NO. 2026P002

SECTION V

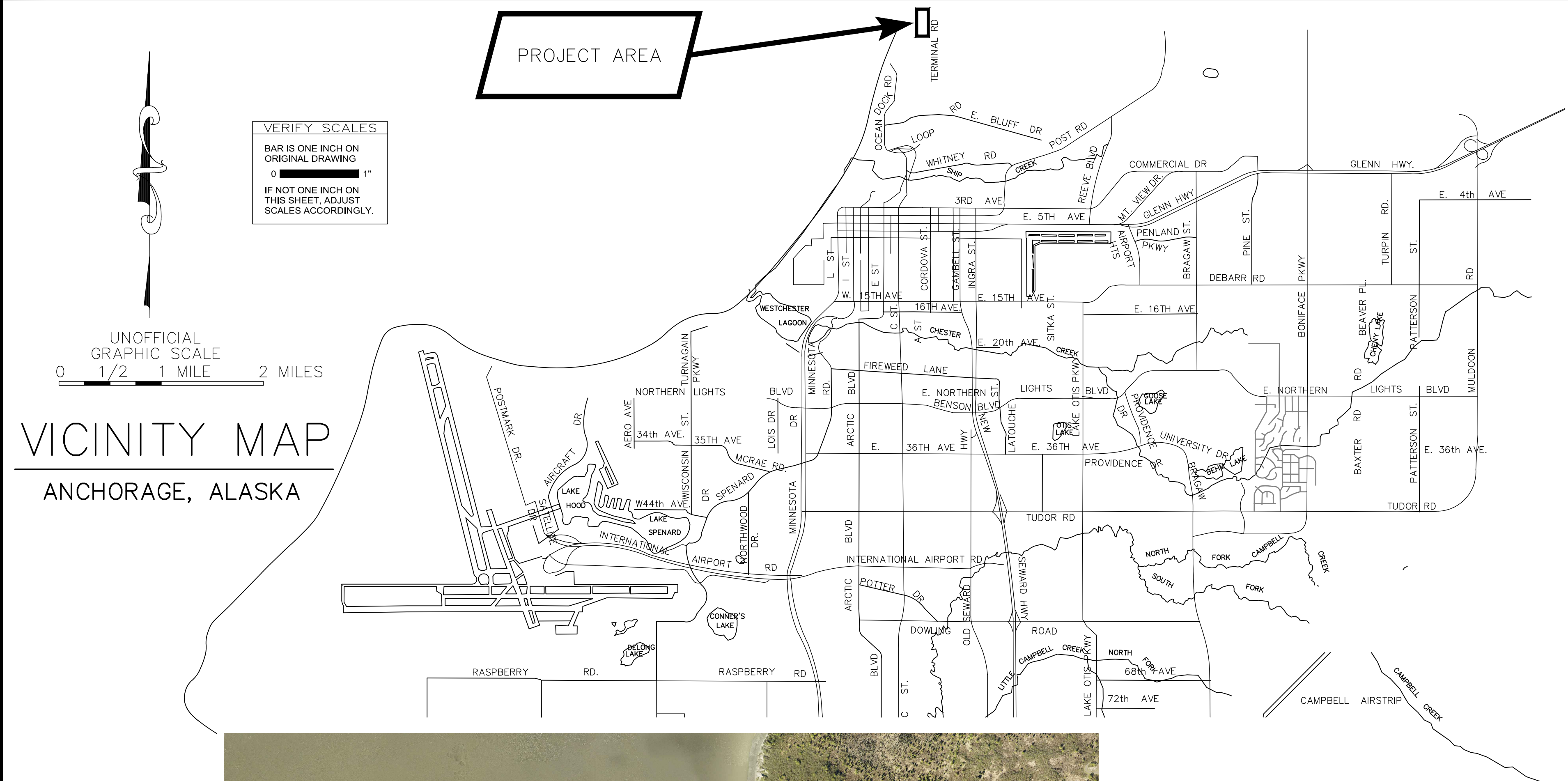
Sample Contract

Exhibit I

Front End Engineering Design (FEED) Documents

Part I

35% Drawings



PORT OF ALASKA MODERNIZATION PROGRAM

HELIPAD AND ACCESS ROAD NOVEMBER 7, 2025



SHEET INDEX		
INDEX NO.	SHEET NO.	SHEET TITLE
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2	G-002	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
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4	CS101	SITE PLAN
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7	CS601	ALIGNMENT AND POINT TABLES

1. WORK AREA IS WITHIN THE PORT OF ALASKA MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT AREA, PERMIT NUMBER AKS052426.
2. THIS PROJECT REQUIRES A SWPPP TO BE PREPARED AND CONTRACTOR SHALL COMPLY WITH THE ALASKA DEC CONSTRUCTION GENERAL PERMIT (CGP). CONTRACTOR SHALL SUBMIT SWPPP TO OWNER FOR APPROVAL PRIOR TO SUBMITTING TO ALASKA DEC.

3. GENERAL
- 3.1 WHERE THE REQUIREMENTS OF TWO APPLICABLE STANDARDS OVERLAP OR ARE IN CONFLICT, ASSUME THE MORE STRINGENT SHALL APPLY AND CONSULT WITH THE ENGINEER FOR FORMAL DIRECTION.

- 3.2 DRAWING SCALES ARE PROVIDED ON DRAWINGS FOR CONVENIENCE. SCALES SHOWN ARE FOR FULL SIZED DRAWINGS. REDUCED SCALED DRAWINGS SHOULD BE INTERPRETED ACCORDINGLY. DIMENSIONS AND NOTES SHALL TAKE PRECEDENCE OVER SCALES

4. DESIGN AND CONSTRUCTION SPECIFICATIONS, CODES, STANDARDS, AND REFERENCES
- 4.1 UNLESS OTHERWISE NOTED, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION, AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE LOCAL AMENDMENTS, AND MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (M.A.S.S.) 2024 EDITION.

- 4.2 ACCESS ROADWAY AND HELIPAD PAVEMENT DESIGN LOADING SHALL BE HS-20. ACCESS ROADWAY LONGITUDINAL GRADING 3.0% MAXIMUM. HELIPAD SHALL BE DESIGNED FOR CH-47 CHINOOK AND UH-60 BLACKHAWK AIRCRAFT LANDING, TAKEOFF, AND TOWING. CONTRACTOR SHALL VERIFY TURNING RADII IS ADEQUATE FOR CH-47 CHINOOK TOWED AIRCRAFT.

- ## 5. SCOPE OF WORK

- 5.1 THE SCOPE OF WORK INCLUDES DESIGNING, FURNISHING AND INSTALLING AN ACCESS ROADWAY, HELIPAD AND APRON FOR USE BY MILITARY AIRCRAFT. INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING TASKS:

- LOCATE AND POTHOLE PETROLEUM LINES.
- CONSTRUCT PAVED ACCESS ROADWAY.
- CONSTRUCT RETAINING WALL.
- CONSTRUCT OF PAVED HELIPAD AND APRON.
- FURNISH AND INSTALL WIND CONE.
- PAVEMENT MARKING AND STRIPING.
- TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES

- ## 6. TIDAL DATUM

DATUM	ELEVATION (FT-MLLW)	DESCRIPTION
HO	+34.85	HIGHEST OBSERVED WATER LEVEL -MEASURED ON 11/06/2002
MHHW	+29.16	MEAN HIGHER-HIGH WATER
MHW	+28.43	MEAN HIGH WATER
MSL	+16.47	MEAN SEA LEVEL
MTL	+15.34	MEAN TIDAL LEVEL
MLW	+2.25	MEAN LOW WATER
MLLW	0	MEAN LOWER-LOW WATER
LO	-6.39	LOWEST OBSERVED WATER LEVEL- MEASURED ON 12/25/1999

	STORM DRAIN MANHOLE INLET
	LIGHT POLE
	ELECTRIC JBOX
	ELECTRIC VAULT
	ELECTRIC METER
	ELECTRIC PEDESTAL
	MANHOLE AS DESCRIBED
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND STORM DRAIN LINE

-  BUILDING
 ASPHALT
 RIPRAP

1. PRIOR TO PAVEMENT PLACEMENT, THE EXISTING SURFACE MATERIAL SHALL BE SCALPED TO A DEPTH OF APPROXIMATELY SIX INCHES TO REMOVE UNSUITABLE ORGANIC AND SILTY SOILS AND ESTABLISH A STABLE UNIFORM SUBGRADE. THE SUBGRADE WILL THEN BE PROOF-ROLLED AND COMPACTED TO ACHIEVE THE REQUIRED BEARING CAPACITY PRIOR TO BASE PLACEMENT. TYPE II A STRUCTURAL FILL THICKNESS CAN BE REDUCED IF SUBGRADE BELOW SCALPED SECTION MEETS TYPE IIA GRADATION, OTHERWISE EXCAVATE 24 INCHES FOR FILL PLACEMENT.
2. USING A CONSISTENT PAVEMENT STRUCTURE FOR BOTH THE HELIPAD AND ACCESS ROADWAY SIMPLIFIES CONSTRUCTION, ENHANCES MAINTAINABILITY, AND ENSURES RELIABLE PERFORMANCE UNDER BOTH ROTOCRAFT AND VEHICULAR LOADING WHILE MAINTAINING COMPLIANCE WITH PORT OF ALASKA AND UFC DESIGN STANDARDS.

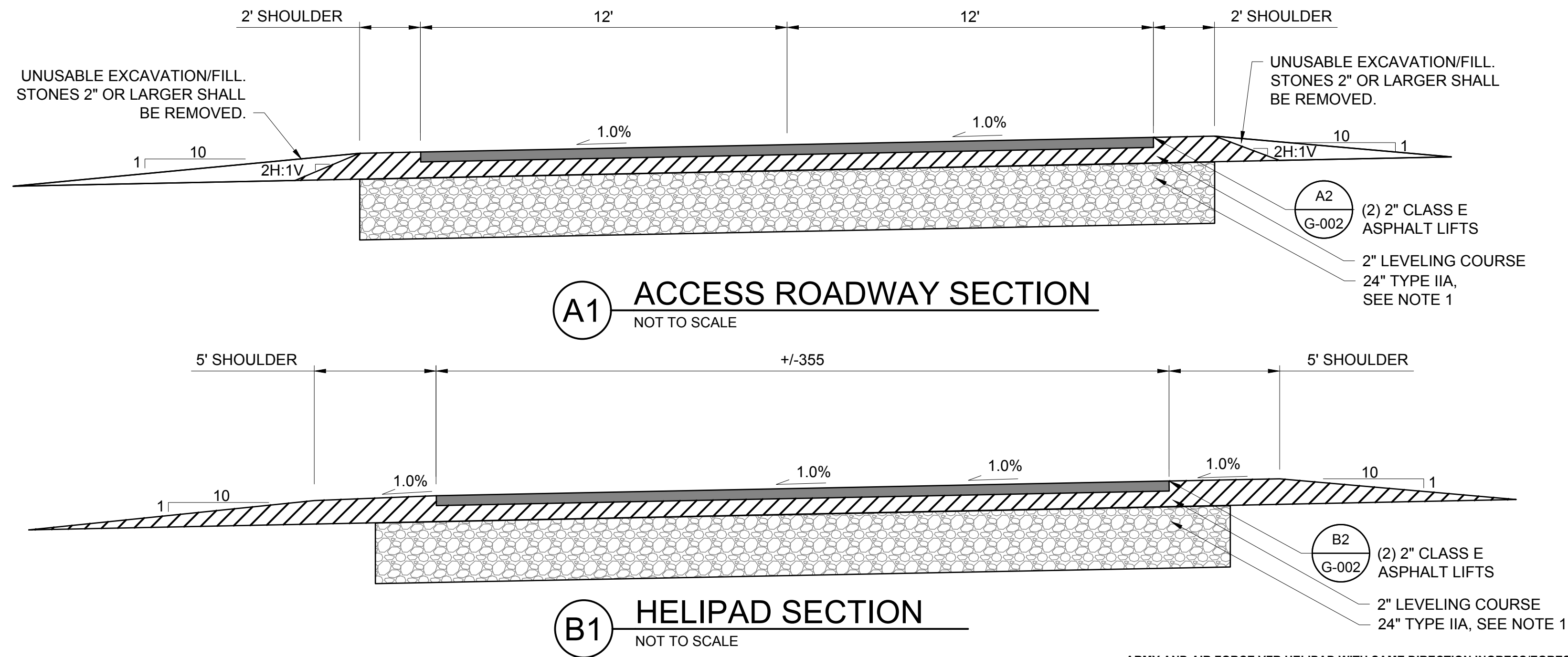
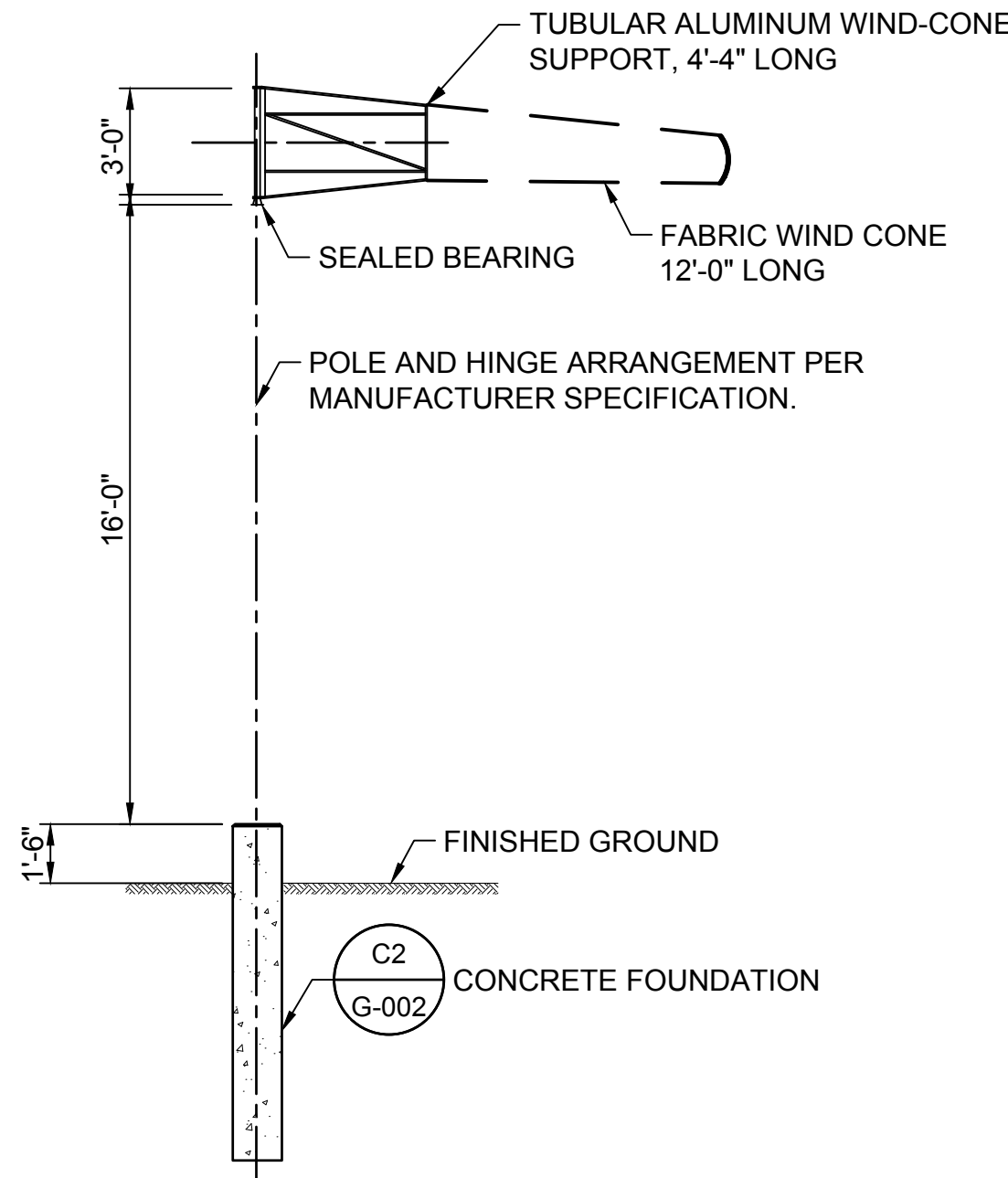
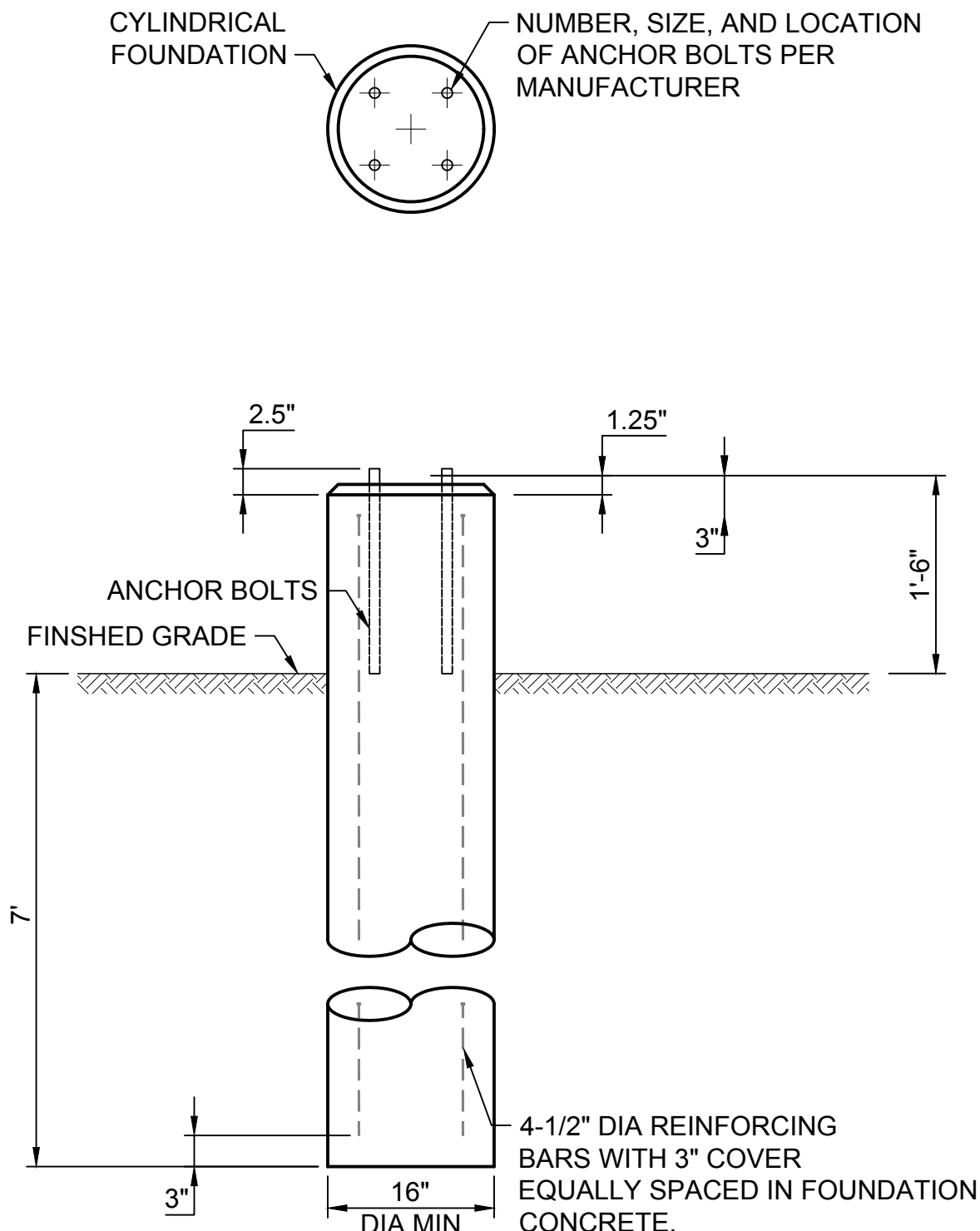


FIGURE E-19. STANDARD DETAILS FOR WIND CONE FOUNDATION (L-807)

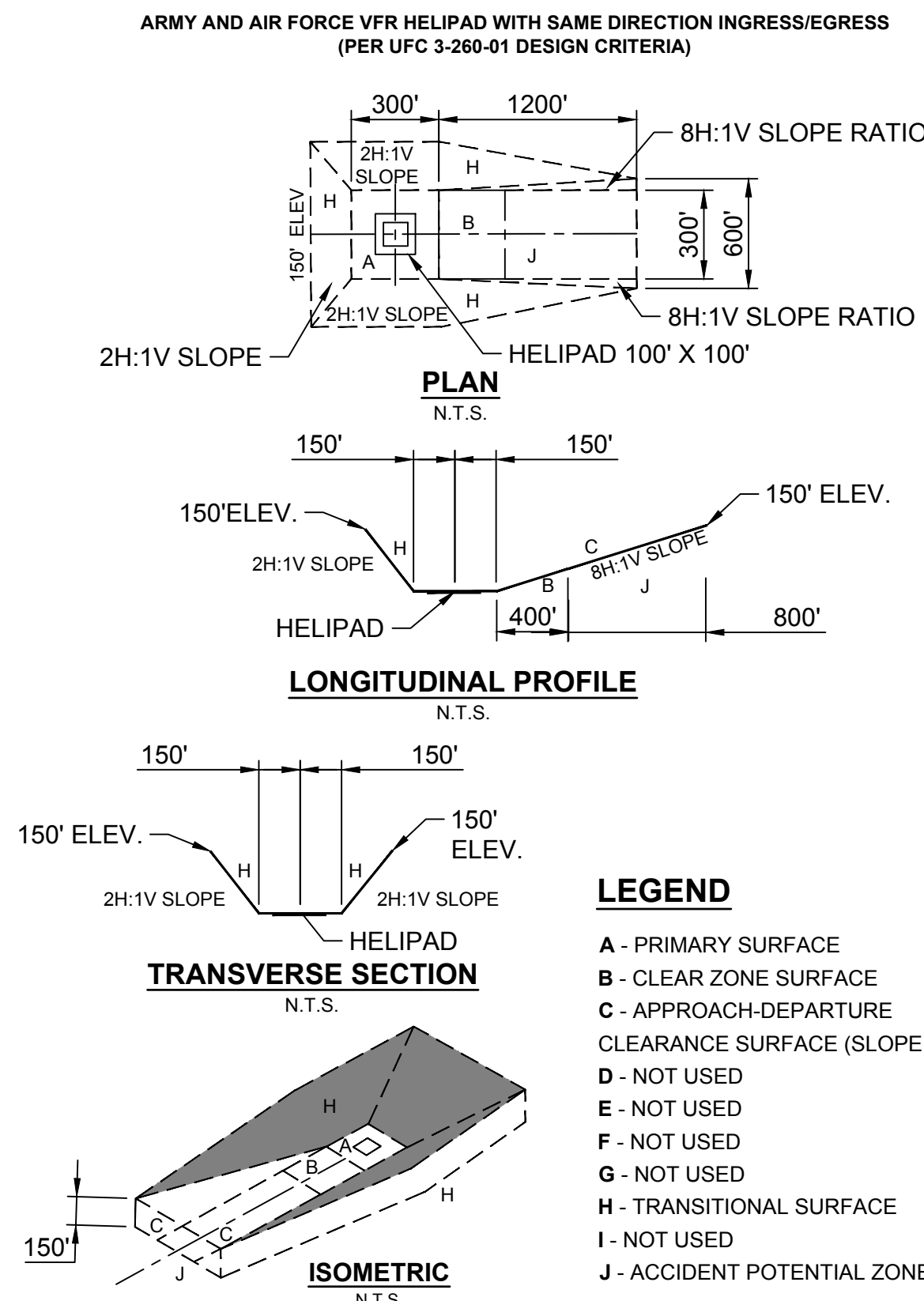
FIGURE E-20. STANDARD DETAILS
FOR WIND CONE –12FT WIND CONE



C1 12' WIND CONE
NOT TO SCALE

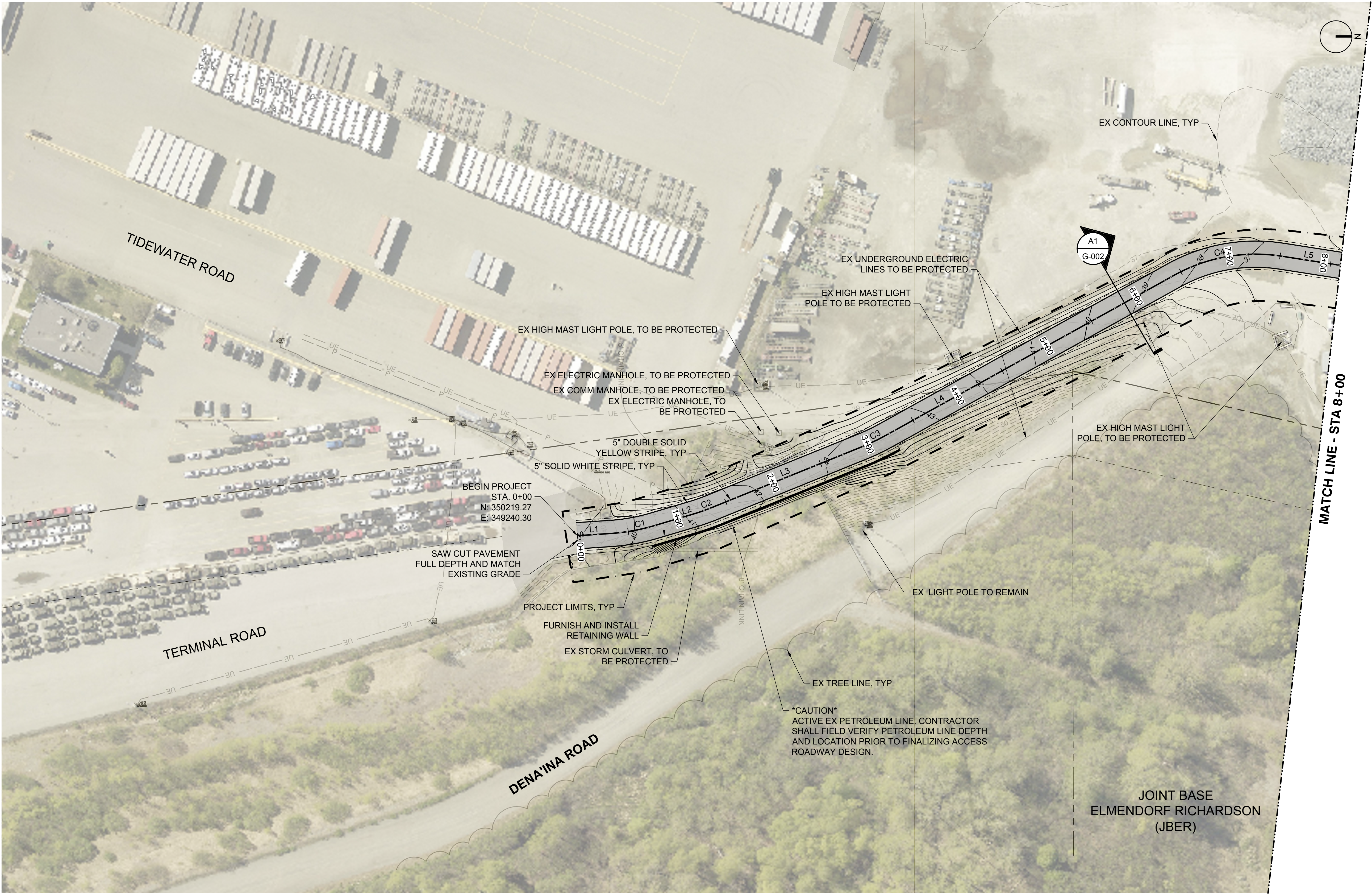


C2 FOUNDATION DETAIL WIND CONE
NOT TO SCALE



C3 IMAGINARY SURFACE FOR HELIPAD - VFR
NOT TO SCALE

RECORD DRAWING		GRAPHIC SCALE												 2000 ANCHORAGE PORT ROAD ANCHORAGE, ALASKA 99501		MUNICIPALITY OF ANCHORAGE PORT OF ALASKA	
DATA PROVIDED BY: _____																PORT OF ALASKA MODERNIZATION PROGRAM	
TITLE: _____																GENERAL NOTES, LEGEND, AND ABBREVIATIONS	
CONTRACTOR: _____																	
DATE: _____																	
THIS SHALL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.		FIELD BOOKS		BM NO.	LOCATION	ELEV.	DATA		DATA		REV	DATE	DESCRIPTION	BY			
		SOUNDINGS					TERRAIN ELEVATIONS		TERRAIN ELEVATIONS								
		SOUNDINGS					FIELD ELEVATIONS		FIELD ELEVATIONS								
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RECORD DRAWING

DATA PROVIDED BY: _____

TITLE: _____

CONTRACTOR: _____

DATE: _____

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GRAPHIC 100'50'050'100' SCALE													
FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
DESIGN:				BASE			TELEPHONE						
				TOPOGRAPHY			ELECTRIC						
STAKING:				PROFILE			CABLE TV						
				SANITARY SEWER			TRAFFIC SIGNAL						
ASBUILT:				STORM SEWER			DESIGN						
CONTRACTOR:				WATER			QUANTITIES						
INSPECTOR:				GAS			MUN. FINAL CHECK						
CONSTRUCTION RECORD													

SEAL

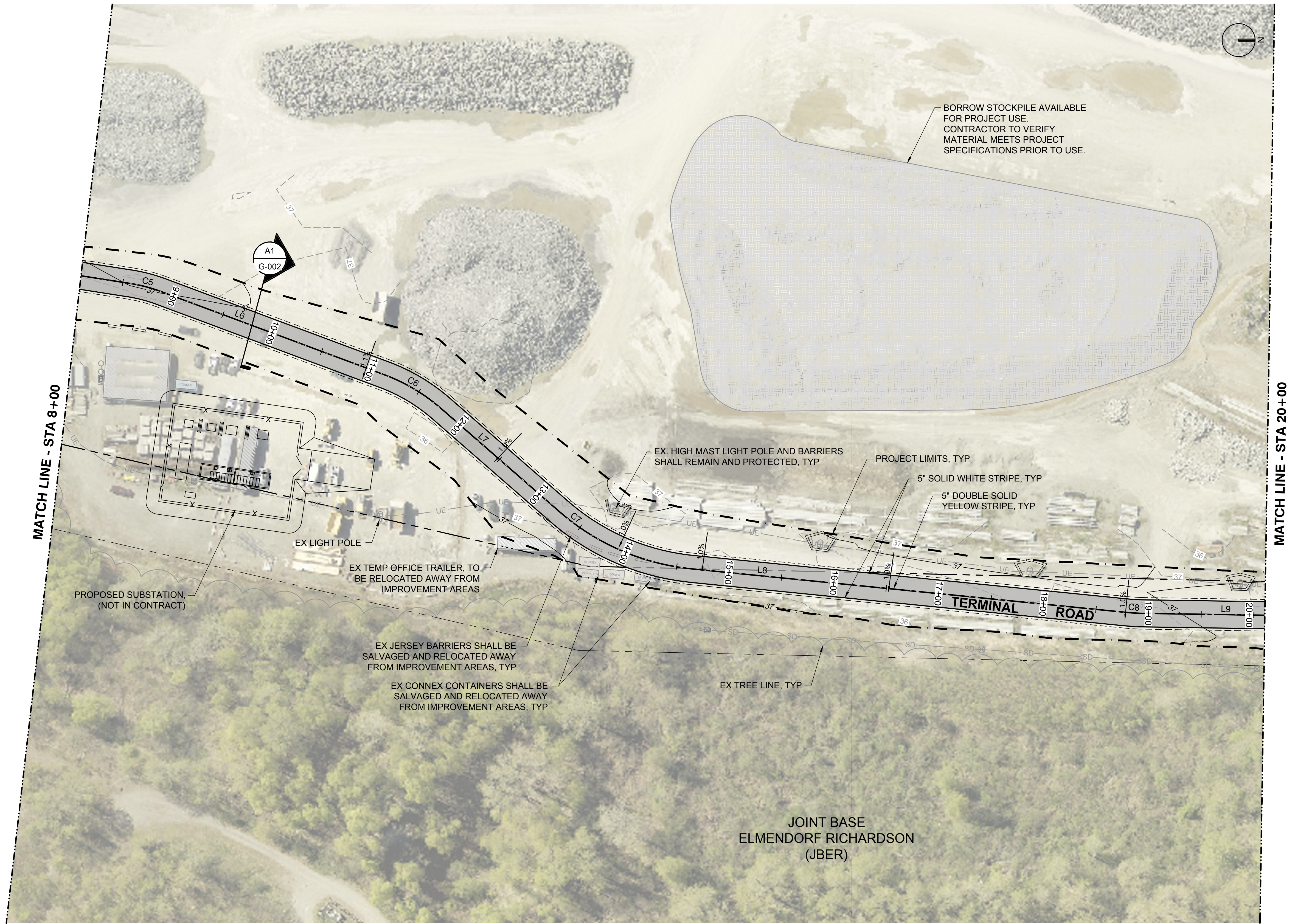


MUNICIPALITY OF ANCHORAGE
PORT OF ALASKA

PORT OF ALASKA MODERNIZATION PROGRAM

SITE PLAN

SCALE	AS SHOWN AS SHOWN	DATE: 11/2025	GRID: GRID	SHEET 4 of 7
DRAWING NUMBER: CS101				



RECORD DRAWING

DATA PROVIDED BY: _____

TITLE: _____

CONTRACTOR: _____

DATE: _____

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GRAPHIC SCALE													
100' 50' 0 50' 100'													
FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
DESIGN:				BASE			TELEPHONE						
				TOPOGRAPHY			ELECTRIC						
STAKING:				PROFILE			CABLE TV						
				SANITARY SEWER			TRAFFIC SIGNAL						
ASBUILT:				STORM SEWER			DESIGN						
CONTRACTOR:				WATER			QUANTITIES						
INSPECTOR:				GAS			MUN. FINAL CHECK						
CONSTRUCTION RECORD													

SEAL



MUNICIPALITY OF ANCHORAGE PORT OF ALASKA				
PORT OF ALASKA MODERNIZATION PROGRAM				
SITE PLAN				
SCALE	AS SHOWN AS SHOWN	DATE: 11/2025	GRID: GRID	SHEET 5 of 7
DRAWING NUMBER: CS102				

ROADWAY CL			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
L1		32.44	N3° 52' 45.12"W
C1	200.00	44.17	N10° 12' 24.08"W
L2		39.19	N16° 32' 03.05"W
C2	200.00	19.22	N19° 17' 12.44"W
L3		159.86	N22° 02' 21.83"W
C3	200.00	24.42	N25° 32' 14.62"W
L4		323.41	N29° 02' 07.40"W
C4	164.00	108.45	N10° 05' 27.74"W
L5		105.12	N8° 51' 11.93"E
C5	155.00	31.32	N14° 38' 30.85"E
L6		225.83	N20° 25' 49.77"E
C6	175.00	63.13	N30° 45' 55.30"E
L7		148.85	N41° 06' 00.83"E
C7	225.00	138.94	N23° 24' 35.40"E
L8		412.91	N5° 43' 09.98"E
C8	245.00	14.03	N4° 04' 43.37"E
L9		300.01	N0° 54' 28.39"E
C9	175.00	12.97	N3° 01' 50.05"E
L10		228.06	N5° 09' 11.71"E
C10	225.00	23.63	N2° 08' 42.55"E
L11		171.88	N0° 51' 46.61"W
C11	200.00	9.46	N2° 13' 02.63"W
L12		153.49	N3° 34' 18.65"W

HELIPAD POINT LOCATION TABLE		
POINT #	NORTHING	EASTING
1	352513.34	349220.59
2	352490.04	348921.47
3	352789.17	348898.17
4	352812.32	349197.31
5	352605.28	349113.12
6	352597.51	349013.41
7	352697.22	349005.65
8	352704.99	349105.36
9	352460.28	349280.20
10	352435.61	348925.71
11	352816.59	349252.45

RECORD DRAWING	100'50'050'100' GRAPHIC SCALE												SEAL	Don Young PORT of ALASKA 2000 ANCHORAGE PORT ROAD ANCHORAGE, ALASKA 99501	MUNICIPALITY OF ANCHORAGE PORT OF ALASKA					
DATA PROVIDED BY: _____	FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE			DESCRIPTION	BY	PORT OF ALASKA MODERNIZATION PROGRAM			
TITLE: _____	DESIGN:				BASE			TELEPHONE										ALIGNMENT AND POINT TABLES		
CONTRACTOR: _____	STAKING:				TOPOGRAPHY			ELECTRIC												
DATE: _____					PROFILE			CABLE TV												
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	CONTRACTOR:	BASIS OF DATUM:			STORM SEWER			DESIGN												
	INSPECTOR:				WATER			QUANTITIES												
	CONSTRUCTION RECORD	VERTICAL DATUM			GAS			MUN. FINAL CHECK						REVISIONS						