

GeoConcepts Engineering, Inc.

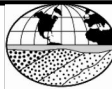
19955 Highland Vista Dr #170
Ashburn, Virginia 20147


(703) 726-8030
(703) 726-8032 fax

PROJECT: JBA HCP & EOD				LOGGED BY: R. Soper				BORING NUMBER: TFA-1			
LOCATION: Joint Base Andrews, Maryland				DRILLING CONTRACTOR: Terracon				SHEET 1 OF 2			
OWNER/CLIENT: Wiley\Wilson				DRILLER: J. Labas				DATES DRILLED: 6/1/20 - 6/1/20			
PROJECT NUMBER: JD175507		GROUND SURFACE ELEVATION (ft.): 240.7		DRILLING METHOD: 3.25 ID HSA; Automatic Hammer				DRILL RIG: D 50			

ELEV. (ft.)	DEPTH (ft.)	SAMPLE TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	REC (in)	STANDARD PENETRATION TEST RESISTANCE (BPF)
240.7					Topsoil = 3 in.	4+3+4+4	6	20
236.4					Alluvial, orange-brown, fine to medium, CLAYEY SAND, loose, moist, SC	4+3+3+6	8	40
236.7	5				Alluvial, orange-brown, fine, SILTY SAND, loose, SM	3+2+4+6	12	60
232.7	10				Alluvial, dark gray, SANDY FAT CLAY, very soft to stiff, moist, CH	3+3+2+2	18	
	15					1+1+1+1	24	
	20					2+2+2+2	24	
	25					1+1+1+1	24	
	30					2+4+6	18	
	35					3+3+5	18	
	40					4+4+6	18	
207.2					Alluvial, dark gray, fine, CLAYEY SAND, loose, moist, SC	1+4+6	18	
						3+4+3	18	
						2+3+2	18	

GROUND WATER LEVELS: <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> ENCOUNTERED: <u>60.0</u> ft. ELEV. <u>180.7</u> </div>				SAMPLE TYPES: <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> SPT </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 20px; background-color: black; margin-right: 5px;"></div> Undisturbed Sample </div>			
<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> 6/1/2020 </div> <u>5.0</u> ft. ELEV. <u>235.7</u>				CAVED: <u>60.0</u> ft. ELEV. <u>180.7</u>			
REMARKS:							

<div><div>GeoConcepts Engineering, Inc.</div></div>						19955 Highland Vista Dr #170 Ashburn, Virginia 20147						(703) 726-8030 (703) 726-8032 fax											
PROJECT: <div>JBA HCP & EOD</div>						LOGGED BY: <div>R. Soper</div>						BORING NUMBER:											
LOCATION: <div>Joint Base Andrews, Maryland</div>						DRILLING CONTRACTOR: <div>Terracon</div>						TFA-1											
												SHEET 2 OF 2											
												SOIL											
ELEV. (ft.)		DEPTH (ft.)		SAMPLE DEPTH (ft.)		STRATUM		GRAPHIC		MATERIAL DESCRIPTION						SPT BLOW COUNTS		REC (in)		STANDARD PENETRATION TEST RESISTANCE (BPF) 20 40 60 80			
192.2		45		X						Alluvial, dark gray, fine, CLAYEY SAND, loose, moist, SC (continued)						4+3+5		18					
		50		X						Alluvial, dark gray, fine, SILTY SAND, moist, SM						3+2+4		18					
		55		X												4+4+6		18					
		60		X												4+3+4		18					
		65		X												4+6+6		18					
160.7		80								Bottom of Borehole at 80.0 ft.													
		85																					
		90																					
GROUND WATER LEVELS:																		SAMPLE TYPES:					
▽ ENCOUNTERED: 60.0 ft. ELEV. 180.7																		<input checked="" type="checkbox"/> SPT					
▼ 6/2/2020 5.0 ft. ELEV. 235.7																		<input checked="" type="checkbox"/> Undisturbed Sample					
CAVED: 60.0 ft. ELEV. 180.7																							
REMARKS:																							


















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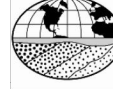
PROJECT: JBA HCP & EOD				LOGGED BY: R. Soper		BORING NUMBER:	
LOCATION: Joint Base Andrews, Maryland				DRILLING CONTRACTOR: Terracon		TFA-2	
						SHEET 2 OF 2	

DEPTH (ft.)	SAMPLE TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	SOIL	
						REC (in)	STANDARD PENETRATION TEST RESISTANCE (BPF)
						20	40 60 80
45				Alluvial, dark gray, fine, SILTY SAND, contains odor, loose, moist, SM	3+3+4	18	
50				Alluvial, dark gray, ELASTIC SILT, contains odor, medium stiff, moist, MH	2+2+3	18	
55				Alluvial, dark gray, fine, SILTY SAND, contains odor, loose to medium dense, moist, SM	3+3+4	18	
60					2+3+4	18	
65					3+4+4	17	
70					3+5+5	18	
75					4+6+7	18	
80	Bottom of Borehole at 80.0 ft.						
85							
90							

GROUND WATER LEVELS:
 ENCOUNTERED: 12.5 ft.

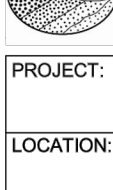
SAMPLE TYPES:
 SPT

REMARKS:

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL						(703) 726-8030 (703) 726-8032 fax	
		GeoConcepts Engineering, Inc.		19955 Highland Vista Dr #170 Ashburn, Virginia 20147			
PROJECT: <div style="text-align: center;">JBA HCP & EOD</div>				LOGGED BY: <div style="text-align: center;">R. Soper</div>		BORING NUMBER: <div style="text-align: center;">TFA-2</div>	
LOCATION: <div style="text-align: center;">Joint Base Andrews, Maryland</div>				DILLING CONTRACTOR: <div style="text-align: center;">Terracon</div>		SHEET 1 OF 2	
OWNER/CLIENT: <div style="text-align: center;">Wiley Wilson</div>				DRIER: <div style="text-align: center;">J. Labas</div>		DATES DRILLED: <div style="text-align: center;">6/4/20</div>	
PROJECT NUMBER: <div style="text-align: center;">JD175507</div>		GROUND SURFACE ELEVATION (ft.): <div style="text-align: center;">NOT SURVEYED</div>		DILLING METHOD: <div style="text-align: center;">3.25 ID HSA; Automatic Hammer</div>		DRIIL RIG: <div style="text-align: center;">D 50 SOIL</div>	
DEPTH (ft.)	SAMPLE TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	REC (in)	STANDARD PENETRATION TEST RESISTANCE (SPF) 20 40 60 80
				Topsoil = 3 in. <i>Fill</i> , red-brown, fine to medium, SILTY SAND WITH GRAVEL, medium dense, moist, SM	6+10+9+5	6	
				<i>Fill</i> , red-brown, fine to medium, SANDY FAT CLAY, contains odor, medium stiff, moist, CH	2+3+5+7	12	
5				<i>Fill</i> , dark gray, fine to medium, SILTY SAND, medium dense, moist, organics, odor, SM	5+6+5+4	13	
				<i>Fill</i> , dark brown, coarse, SANDY LEAN CLAY, contains odor, medium stiff, moist, CL	2+3+3+6	12	
10				<i>Alluvial</i> , dark brown and white, medium to coarse, SILTY SAND WITH GRAVEL, medium dense to dense, moist, contains gravel sized quartz fragments, SM	5+12+14+14	16	
				<i>Alluvial</i> , orange-brown, coarse, POORLY GRADED SAND, medium dense, wet, SP	15+15+15+18	14	
15					7+7+5+7	15	
20				<i>Alluvial</i> , dark gray, ELASTIC SILT, soft, moist, MH	2+2+2	0	
25					2+2+2	18	
30					3+2+2	18	
35				<i>Alluvial</i> , dark gray, FAT CLAY, medium stiff to stiff, moist, CH	6+6+7	18	
40					5+4+4	18	
GROUND WATER LEVELS: ENCOUNTERED: 12.5 ft.					SAMPLE TYPES: <input checked="" type="checkbox"/> SPT		
REMARKS:							

BOREHOLE TEST PIT JBATZ CARO ADDENDUM NO 1 LOGS GSF GECONCEPTS 2610218 GPF 6/6/20

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL



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PROJECT:

JBA HCP & EOD

LOGGED BY:

R. Soper

BORING NUMBER:

TFA-3

LOCATION:

Joint Base Andrews, Maryland

DRILLING CONTRACTOR:

Terracon

SHEET 1 OF 2

OWNER/CLIENT:

Wiley/Wilson

DRILLER:

J. Labas

DATES DRILLED:

6/1/20 - 6/1/20

PROJECT NUMBER:

J0175507

GROUND SURFACE ELEVATION (ft.):

240.0

DRILLING METHOD:

3.25 ID HSA; Automatic Hammer

DRILL RIG:

D 50

ELEV. (ft.)

DEPTH (ft.)

SOIL TYPE

STRATUM

GRAPHIC

MATERIAL DESCRIPTION

SPT BLOW COUNTS

REC (in)

STANDARD PENETRATION TEST RESISTANCE (BPF)

240.0

234.5

236.0

234.07

5

Topsoil = 6 in.
Alluvial, brown, fine, SANDY LEAN CLAY, soft to medium stiff, moist, CL

236.07

5

Gray and brown
Alluvial, gray, fine, CLAYEY SAND, moist, SC

234.07

5

Alluvial, orange-brown, medium to coarse, POORLY GRADED SAND, medium dense, wet, contains gravel sized quartz fragments, SP

226.0

15

Alluvial, dark gray, FAT CLAY, soft to medium stiff, moist, CH

206.5

35

Alluvial, dark gray, fine, SANDY ELASTIC SILT, soft to medium stiff, moist, MH

206.5

35

GROUND WATER LEVELS:

ENCOUNTERED:

6.0

ft.

ELEV.

234.0

6/2/2020

4.0

ft.

ELEV.

236.0

CAVED:

8.0

ft.

ELEV.

232.0

SAMPLE TYPES:

☒

SPT

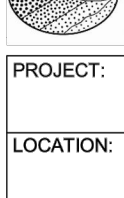
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Undisturbed Sample

REMARKS:

BORING TEST PIT - JBA HCP & EOD ADDENDUM LOGS GPT - GEOCONCEPTS 2010218.GDT 6/2/20

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL.



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PROJECT: **JBA HCP & EOD**

LOCATION: **Joint Base Andrews, Maryland**

LOGGED BY: **R. Soper**

DRILLING CONTRACTOR: **Terracon**

BORING NUMBER: **TFA-3**

SHEET 2 OF 2

ELEV. (ft.)	DEPTH (ft.)	SOIL TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	REC (in)	STANDARD PENETRATION TEST RESISTANCE (BPF)
					SOIL			
					20 40 60 80			
	45	X			<i>Alluvial, dark gray, fine, SANDY ELASTIC SILT, soft to medium stiff, moist, MH (continued)</i>	3+3+3	18	
191.5	50	X			<i>Alluvial, dark gray, fine, SILTY SAND, loose, moist, SM</i>	3+3+4	18	
	55	X				2+3+2	18	
181.5	60	X			<i>Alluvial, dark gray, fine, SANDY SILT, soft to stiff, moist, ML</i>	3+4+4	18	
	65	X				2+2+2	18	
	70	X				1+2+2	18	
	75	X				2+2+3	18	
	80	X				3+5+5	18	
160.0	85	X				4+5+4	18	
	90	X						
					Bottom of Borehole at 80.0 ft.			

GROUND WATER LEVELS:

☒ ENCOUNTERED: 6.0 ft. ELEV. 234.0

☐ 6/2/2020 4.0 ft. ELEV. 236.0

CAVED: 8.0 ft. ELEV. 232.0

SAMPLE TYPES:

☒ SPT

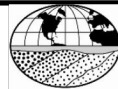
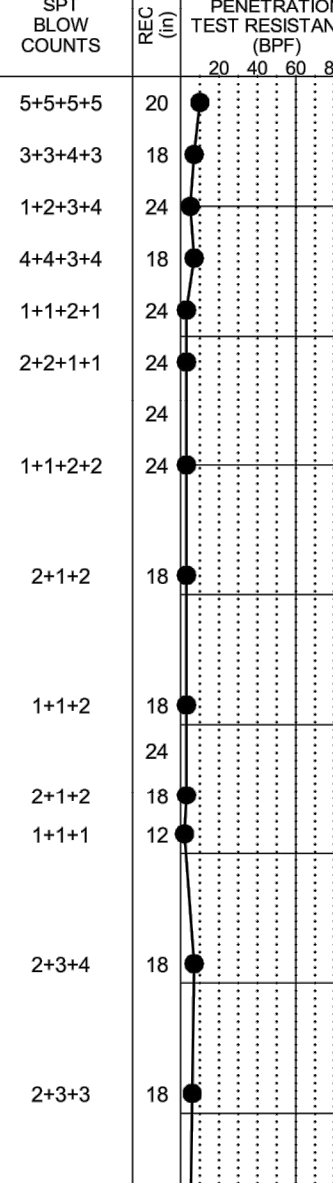
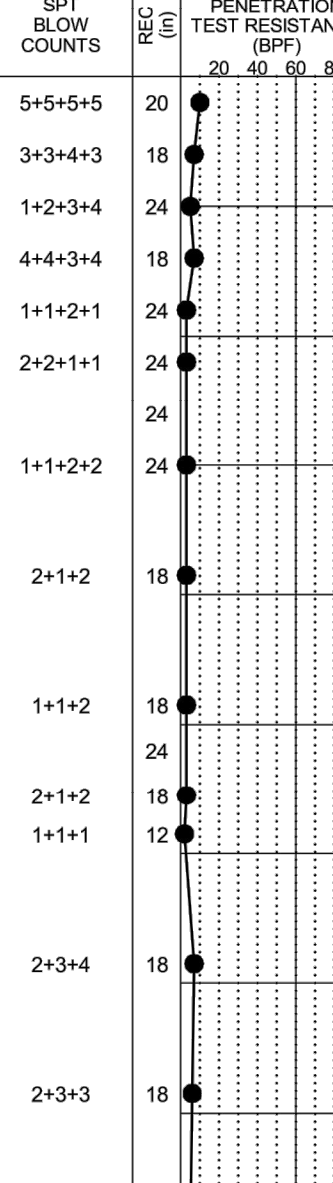
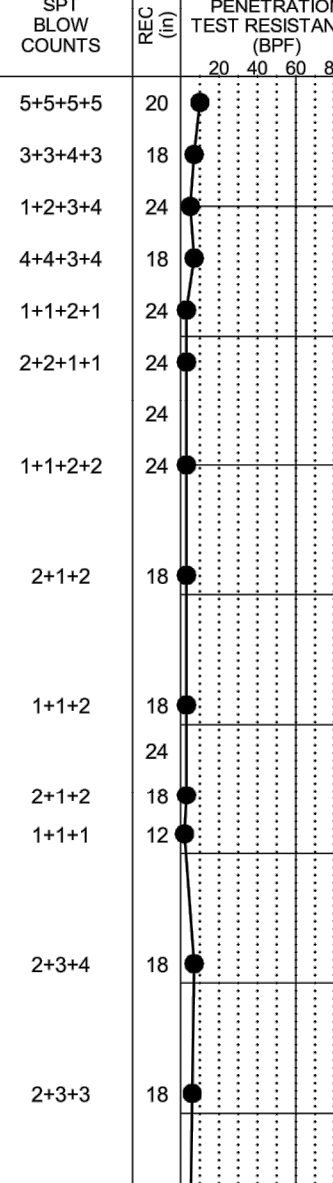
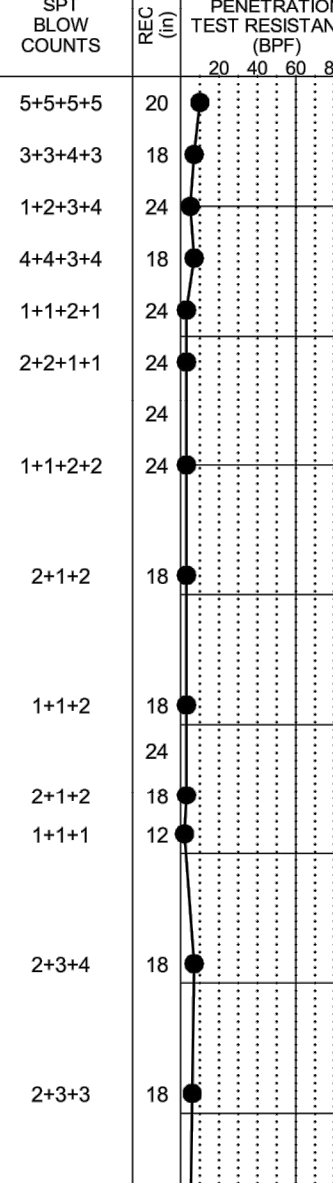
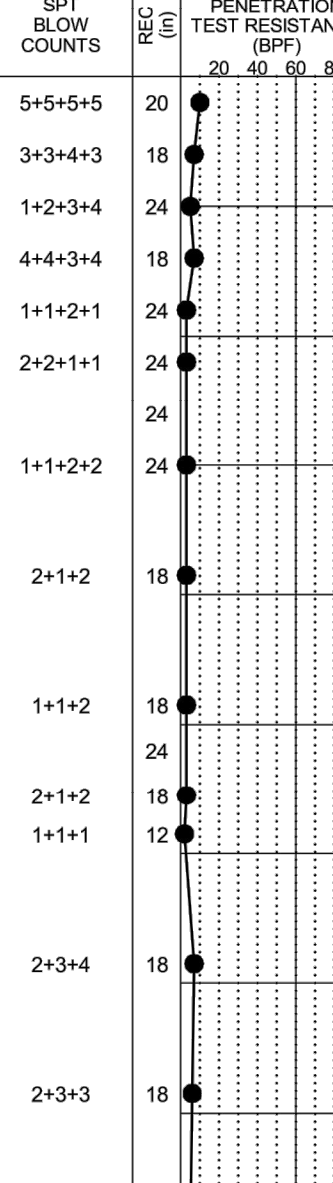
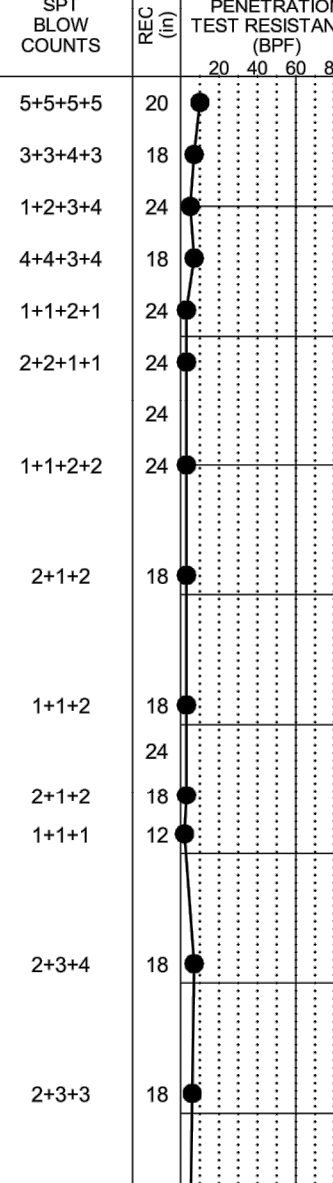
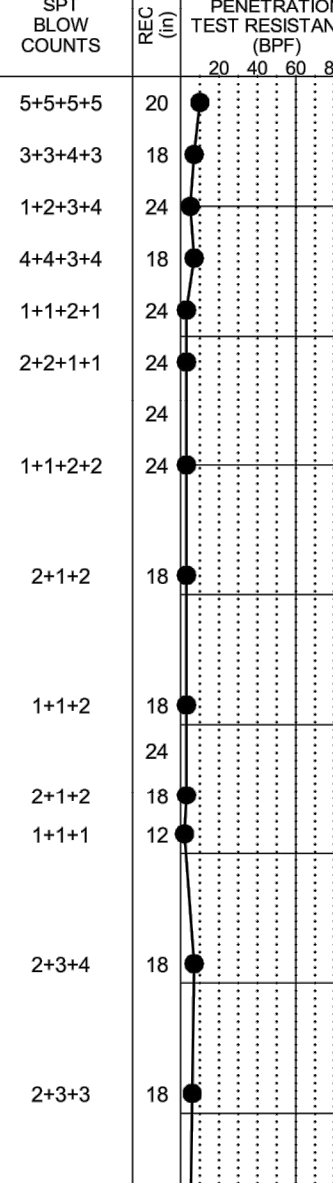
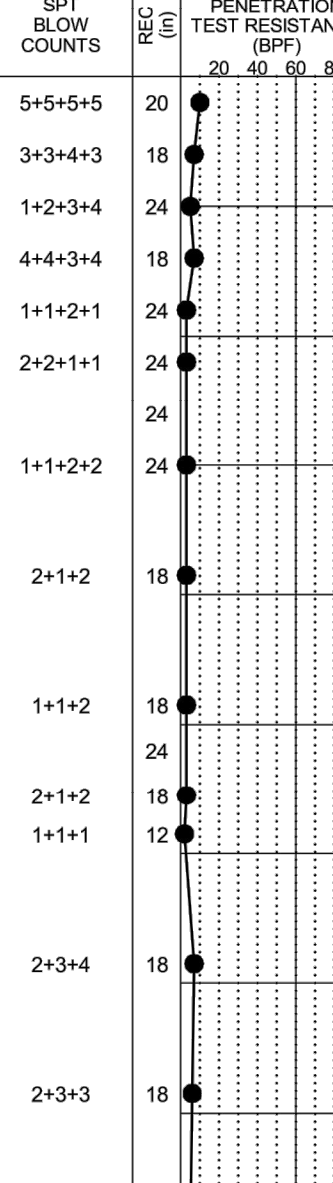
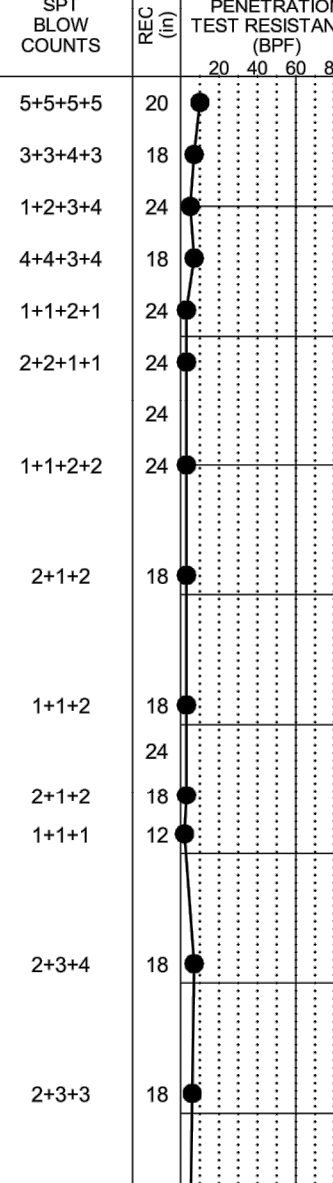
☒ Undisturbed Sample

REMARKS:

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL.

BORING TEST PIT JBA T24 CARD ADDENDUM NO LOGS GPT GEOCONCEPTS 2017/01/16 GDT B526

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON WASHINGTON NAVY YARD		NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON WASHINGTON NAVY YARD		JOINT BASE ANDREWS NAVAL AIR FACILITY CAMP SPRINGS, MD		P-3002 RELOCATE HAZARDOUS CARGO PAD AND EOD PROFICIENCY RANGE		BORING LOGS	
SCALE: AS NOTED		PROJECT NO.: 1396650		CONSTR. CONTR. NO. N40080-15-D-0452		NAVFAC DRAWING NO. 13140309		SHEET 39 OF 229	
B-618									

 <div style="display: inline-block; vertical-align: middle;"> Geo Concepts Engineering, Inc. </div>		19955 Highland Vista Dr #170 Ashburn, Virginia 20147		(703) 726-8030 (703) 726-8032 fax																																										
		PROJECT: JBA HCP & EOD		LOGGED BY: R. Soper																																										
LOCATION: Joint Base Andrews, Maryland		DRILLING CONTRACTOR: Terracon		BORING NUMBER: TFA-5																																										
OWNER/CLIENT: Wiley/Wilson		DRILLER: J. Labas		DATES DRILLED: 5/29/20																																										
PROJECT NUMBER: JD175507		GROUND SURFACE ELEVATION (ft.): 236.1		DRILL RIG: D 50																																										
3.25 ID HSA; Automatic Hammer		SOIL																																												
MATERIAL DESCRIPTION		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">SPT BLOW COUNTS</th> <th style="width: 10%;">REC (ft)</th> <th style="width: 75%;">STANDARD PENETRATION TEST RESISTANCE (BPF)</th> </tr> <tr> <th></th> <th></th> <th>20 40 60 80</th> </tr> </thead> <tbody> <tr> <td>5+5+5+5</td> <td>20</td> <td rowspan="10">  </td> </tr> <tr> <td>3+3+3+3</td> <td>24</td> </tr> <tr> <td>1+2+3+4</td> <td>24</td> </tr> <tr> <td>4+4+3+4</td> <td>18</td> </tr> <tr> <td>1+1+2+1</td> <td>24</td> </tr> <tr> <td>2+2+1+1</td> <td>24</td> </tr> <tr> <td></td> <td>24</td> </tr> <tr> <td>1+1+2+2</td> <td>24</td> </tr> <tr> <td>2+1+2</td> <td>18</td> </tr> <tr> <td></td> <td>18</td> </tr> <tr> <td>1+1+2</td> <td>18</td> <td rowspan="4">  </td> </tr> <tr> <td>2+1+2</td> <td>18</td> </tr> <tr> <td>1+1+1</td> <td>12</td> </tr> <tr> <td></td> <td>18</td> </tr> <tr> <td>2+3+4</td> <td>18</td> <td rowspan="2">  </td> </tr> <tr> <td>2+3+3</td> <td>18</td> </tr> </tbody> </table>				SPT BLOW COUNTS	REC (ft)	STANDARD PENETRATION TEST RESISTANCE (BPF)			20 40 60 80	5+5+5+5	20		3+3+3+3	24	1+2+3+4	24	4+4+3+4	18	1+1+2+1	24	2+2+1+1	24		24	1+1+2+2	24	2+1+2	18		18	1+1+2	18		2+1+2	18	1+1+1	12		18	2+3+4	18		2+3+3	18
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GROUND WATER LEVELS:		SAMPLE TYPES:																																												
▮ ENCOUNTERED: <u>6.0</u> ft. ELEV. <u>230.1</u>		<input type="checkbox"/> SPT																																												
▮ 6/2/2020 <u>0.5</u> ft. ELEV. <u>235.6</u>		<input checked="" type="checkbox"/> Undisturbed Sample																																												
CAVED: <u>20.0</u> ft. ELEV. <u>216.1</u>																																														
REMARKS:																																														

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PROJECT: **JBA HCP & EOD**

LOGGED BY: **R. Soper**

BORING NUMBER: **TFA-6**

LOCATION: **Joint Base Andrews, Maryland**

DRILLING CONTRACTOR: **Terracon**

SHEET 2 OF 2

ELEV. (ft.)	DEPTH (ft.)	SAMPLE TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	SOIL	
							PSF (lb)	STANDARD PENETRATION TEST RESISTANCE (BPF)
187.0	45	⊗			Alluvial, dark gray, fine, SILTY SAND, moist, SM	3+2+2	18	20
182.0	50	⊗			Alluvial, dark gray, fine, SANDY FAT CLAY, moist, CH	2+2+3	18	20
177.0	55	⊗			Alluvial, dark gray, fine, SILTY SAND, moist, SM	2+3+4	18	20
172.0	60	⊗			Alluvial, dark gray, fine, SANDY ELASTIC SILT, moist, MH	3+6+6	18	20
	65	⊗				8+7+9+9	24	20
	70	⊗				4+4+4	18	20
	75	⊗				7+7+6	18	20
152.0	80	⊗			Alluvial, dark gray, fine, SILTY SAND, moist, SM	6+8+6	18	20
150.5					Bottom of Borehole at 80.0 ft.			

GROUND WATER LEVELS:

▽ ENCOUNTERED: 4.0 ft. ELEV. 226.5

▽ UPON COMPLETION: 4.0 ft. ELEV. 226.5 CAVED: 73.0 ft. ELEV. 157.5

▽ 6/2/2020 0.5 ft. ELEV. 230.0 CAVED: 20.0 ft. ELEV. 210.5

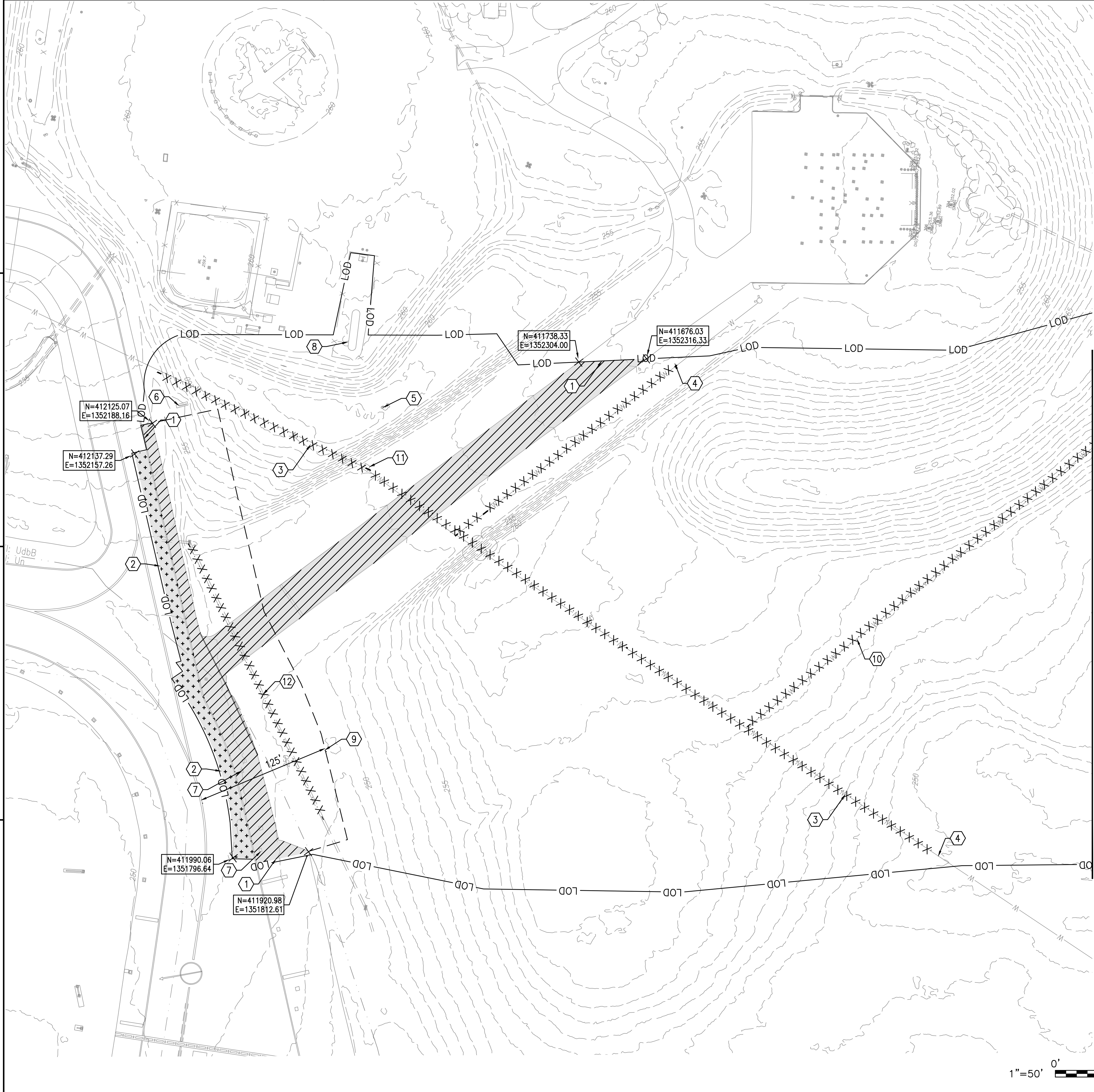
REMARKS:

SAMPLE TYPES:

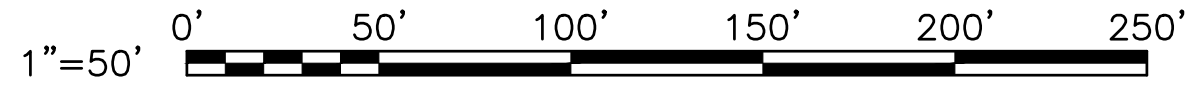
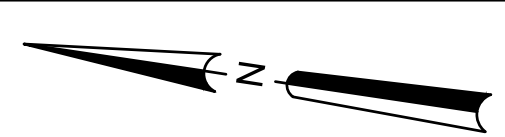
☒ SPT

■ Undisturbed Sample

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MATCH LINE STATION 20+00.00 SHEET CD-102



DEMOLITION LEGEND

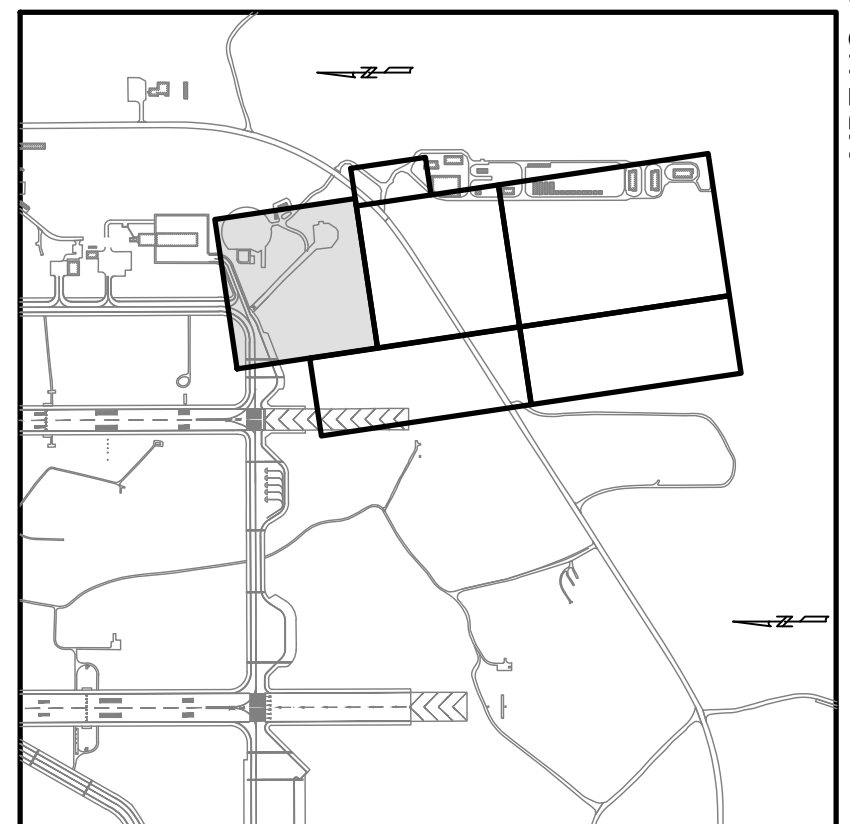
- REMOVE EXISTING ASPHALT PAVEMENT
- REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE WATER LINE

KEYED NOTES

- 1 SAWCUT EXISTING ASPHALT PAVEMENT
- 2 SAWCUT EXISTING PAVEMENT FULL DEPTH. DOUBLE SAWCUT EXISTING CONCRETE IN ACCORDANCE WITH SPECIFICATION SECTION 32 13 14.13. COORDINATE SAWCUTS WITH PROPOSED PAVEMENT JOINT LAYOUT ON CP-101 TO C-104
- 3 REMOVE 14-INCH ASBESTOS CEMENT WATER PIPE.
- 4 CUT AND CAP EXISTING WATER LINE.
- 5 REMOVE AND RELOCATE EXISTING SECURITY CAMERAL POLE. REFER TO CS-101 FOR LOCATION.
- 6 DO NOT DISTURB AIRFIELD SIGNAGE.
- 7 REMOVE EXISTING EDGE LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS FOR TEMPORARY JUMPERS, DEMOLITION OF LIGHTS, CABLES, AND CONDUITS AND RECONNECTION WITH NEW LIGHTING SYSTEMS.
- 8 REMOVE AND RELOCATE EXISTING FUEL TANK, FENCES, AND EQUIPMENT FOR FIRE DEPARTMENT TRAINING AREA. SEE SHEET CG-101 FOR LOCATION.
- 9 SEE PHASING PLAN GI-114 AND GI-115 FOR WORK WITHIN 125FT OF TAXIWAY CENTERLINE.
- 10 REMOVE 12-INCH WATER LINE.
- 11 REMOVE WATER VALVE BOX/MANHOLE.
- 12 REMOVE PORTION EXISTING 24-INCH STORM SEWER

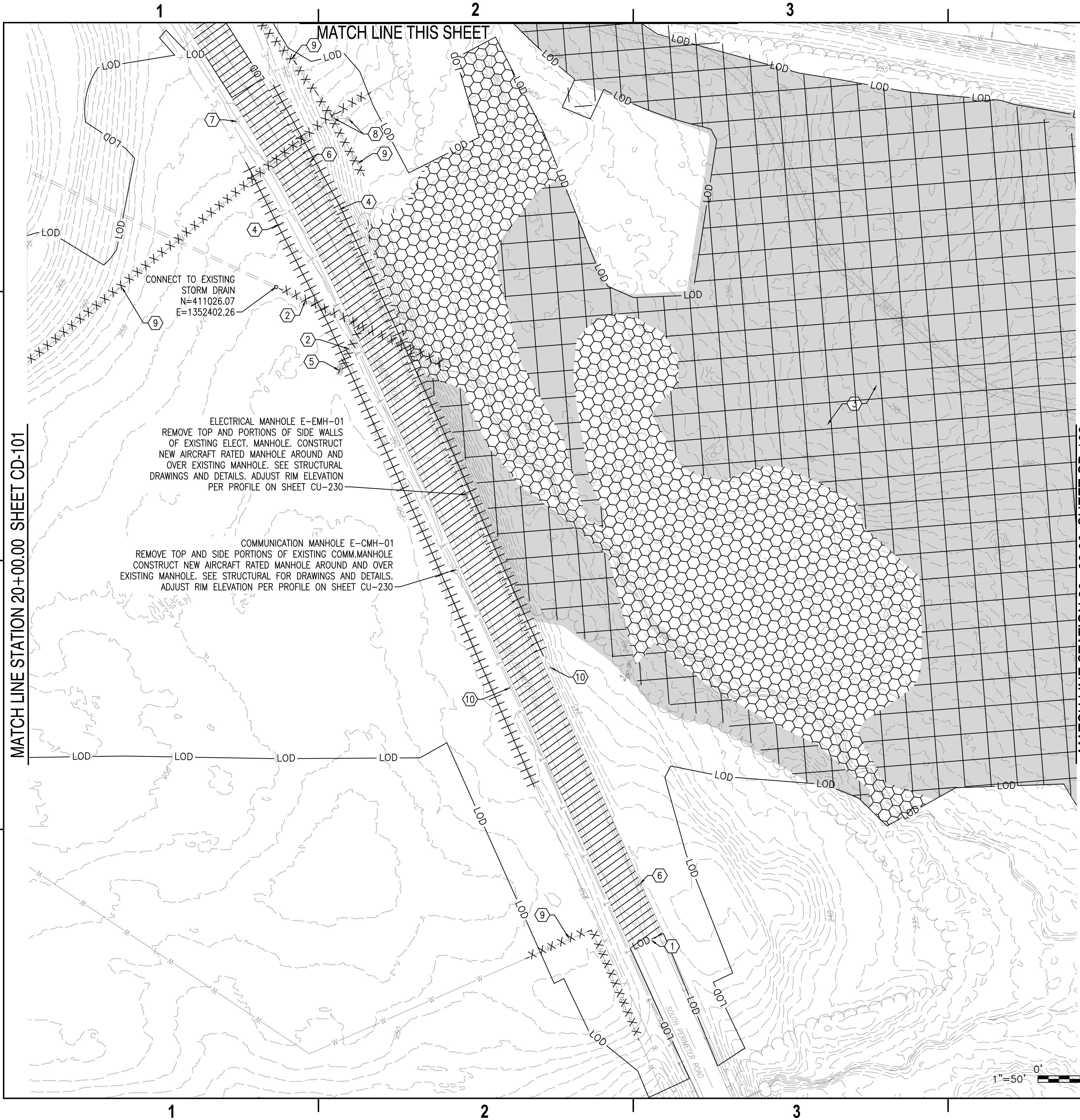
GENERAL NOTES:

- 1. REFER TO SHEET GI-003 FOR LEGEND AND GENERAL NOTES.
- 2. CONTRACTOR SHALL CORRDINATE THE REMOVAL OF WATER LINES WITH AMERICAN STATE UTILITY SERVICE (ASUS). WATER LINES SHALL NOT BE REMOVED UNTIL THE 16-INCH WATER MAIN RELOCATION IS COMPLETE.



KEY PLAN

DATE		30/06/2022	APPR
SYN DESCRIPTION		0	ISSUE FOR CONSTRUCTION
WileyWilson BURNS & MCDONNELL JOINT VENTURE			
APPROVED <i>Jennifer Bless</i> FOR COMMANDER NAVFAC			
ACTIVITY			
SATISFACTORY TO DATE			
DES	DRW	CHK	
BRANCH MANAGER			
CHIEF ENGINEER			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON NAVY YARD WASHINGTON DC NAVAL BASE ANDREWS NAVAL AIR FACILITY CAMP SPRINGS, MD P-3002 RELOCATE HAZARDOUS CARGO PAD AND EOD PROFICIENCY RANGE DEMOLITION PLAN			
SCALE: AS NOTED			
PROJECT NO.: 1398650			
CONSTR. CONTR. NO.: N40080-15-D-0452			
NAVFAC DRAWING NO.: 13140318			
SHEET 48 OF 229			
CD-101			
DRAWING REVISION: 06 APRIL 2017			

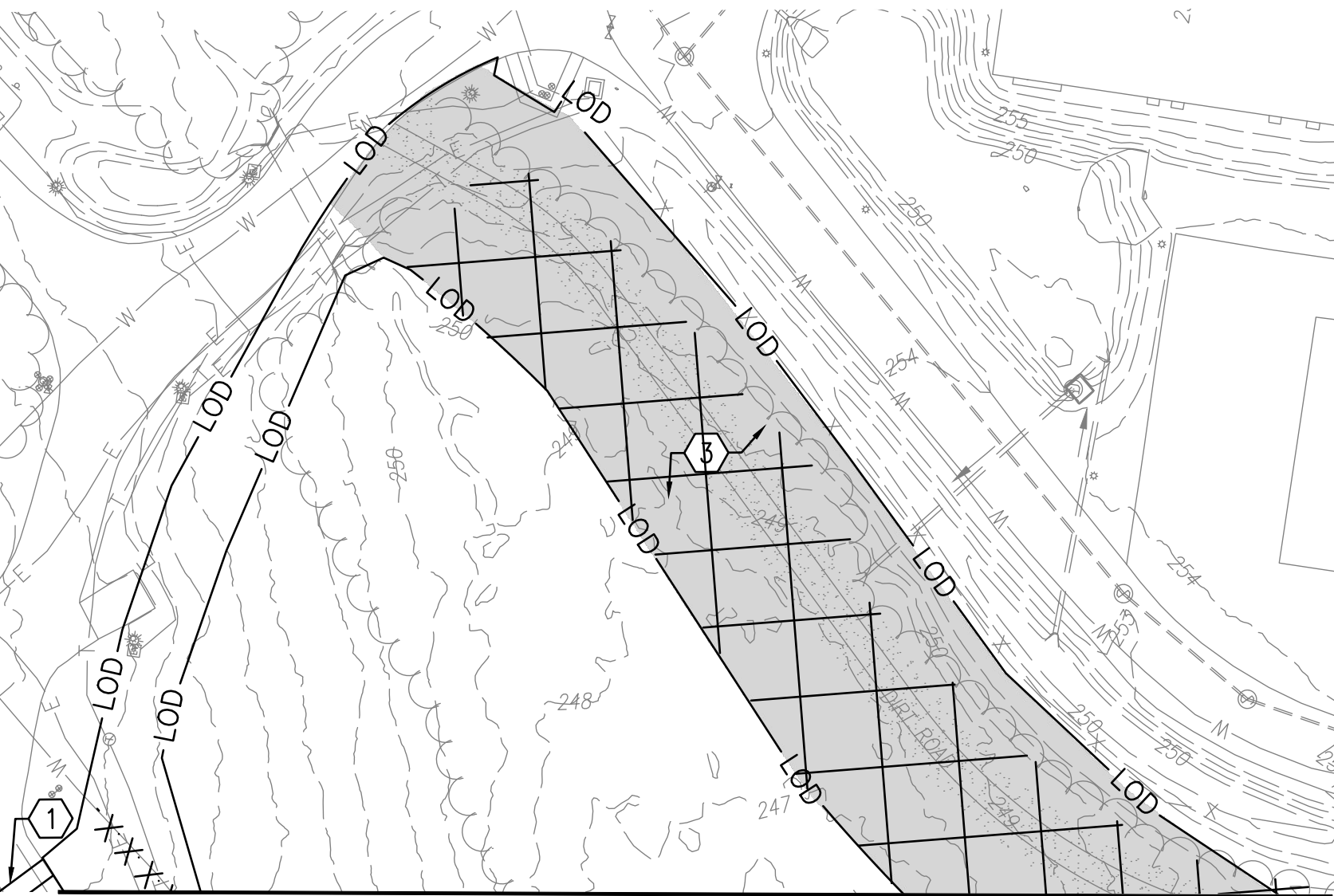


DEMOLITION LEGEND

- REMOVE EXISTING ASPHALT PAVEMENT
- REMOVE EXISTING WOODED AREA
- REMOVE UNDERGROUND UTILITY
- LIMITS OF TREE REMOVAL & CLEARING AND GRUBBING FOR TREE REMOVAL PACKAGE SCOPE (STAGE 0). NOT IN CONTRACT.

KEY NOTES

- SAWCUT EXISTING ASPHALT PAVEMENT
- REMOVE EXISTING STORM SEWER PIPE
- CLEAR AND GRUB/REMOVE EXISTING WOODED AREA PER STAGE 0 EROSION AND SEDIMENT CONTROL PLANS.(NIC)
- REMOVE SECURITY FENCE
- REMOVE EXISTING STORM DRAIN STRUCTURE
- MODIFY EXISTING ELECTRICAL MANHOLE RIM ELEVATION TO MATCH PROPOSED GRADE.
- MODIFY EXISTING COMMUNICATIONS MANHOLE RIM ELEVATION TO MATCH PROPOSED GRADE.
- REMOVE EXISTING FIRE HYDRANT AND VALVE
- REMOVE EXISTING WATER LINE
- REMOVE EXISTING ROAD SIGN

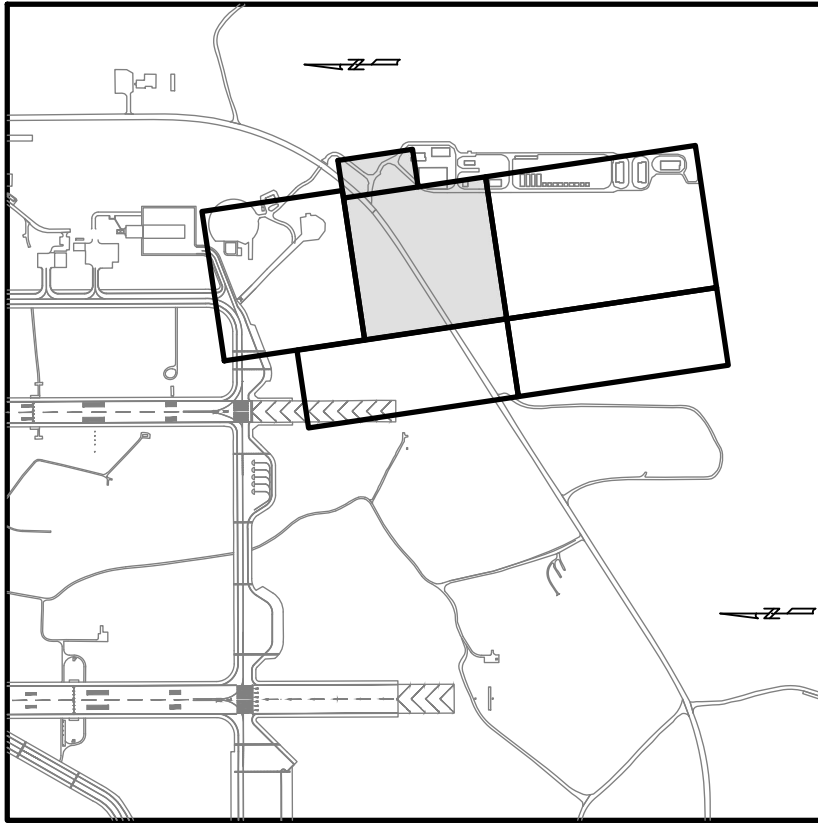


DEMOLITION NOTES:

- DEMOLITION ILLUSTRATED BY THE SHADED "TREE REMOVAL PACKAGE SCOPE" SHOWN ON THIS SHEET IS NOT INCLUDED IN THIS CONTRACT.
- CONTRACTOR MUST CONDUCT CLEARING AND GRUBBING FOR ALL AREAS WITHIN THE LOD EXCEPT THE SHADED AREA.

GENERAL NOTES:

- REFER TO SHEET GI-003 FOR LEGEND AND GENERAL NOTES.
- CONTRACTOR SHALL CORRDINATE THE REMOVAL OF WATER LINES WITH AMERICAN STATE UTILITY SERVICE (ASUS). WATER LINES SHALL NOT BE REMOVED UNTIL THE 16-INCH WATER MAIN RELOCATION IS COMPLETE.



DATE

30/06/2022

APPR

ISSUE FOR CONSTRUCTION

0

SYM DESCRIPTION

Wiley|Wilson

BURNS MEDONNELL

JOINT VENTURE

APPROVED

Jennifer Bless

FOR COMMANDER NAVFAC

SATISFACTORY TO

DATE

DES

DRAW

CHK

PHD/M

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON DC

WASHINGTON NAVY YARD

JOINT BASE ANDREWS NAVAL AIR FACILITY

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

DEMOLITION PLAN

SCALE:

AS NOTED

EPROJECT NO.:

1396650

CONSTR. CONTR. NO.

N40080-22-R-8580

NAVFAC DRAWING NO.

13140319

SHEET

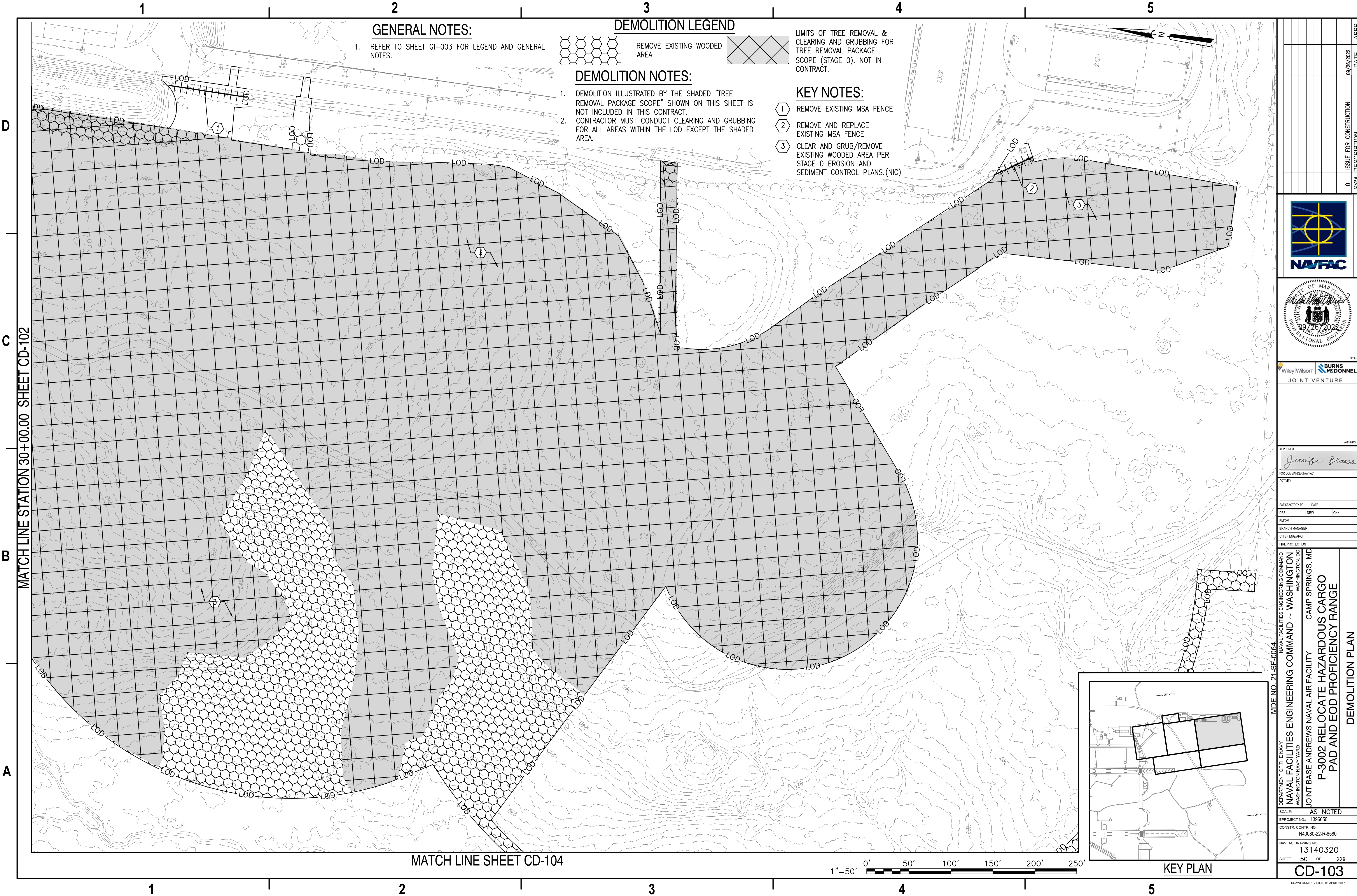
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OF

229

CD-102

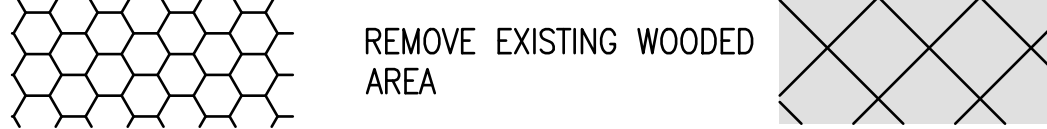
DRAWFORM REVISION: 06 APRIL 2017



GENERAL NOTES:

- 1. REFER TO SHEET GI-003 FOR LEGEND AND GENERAL NOTES.

DEMOLITION LEGEND



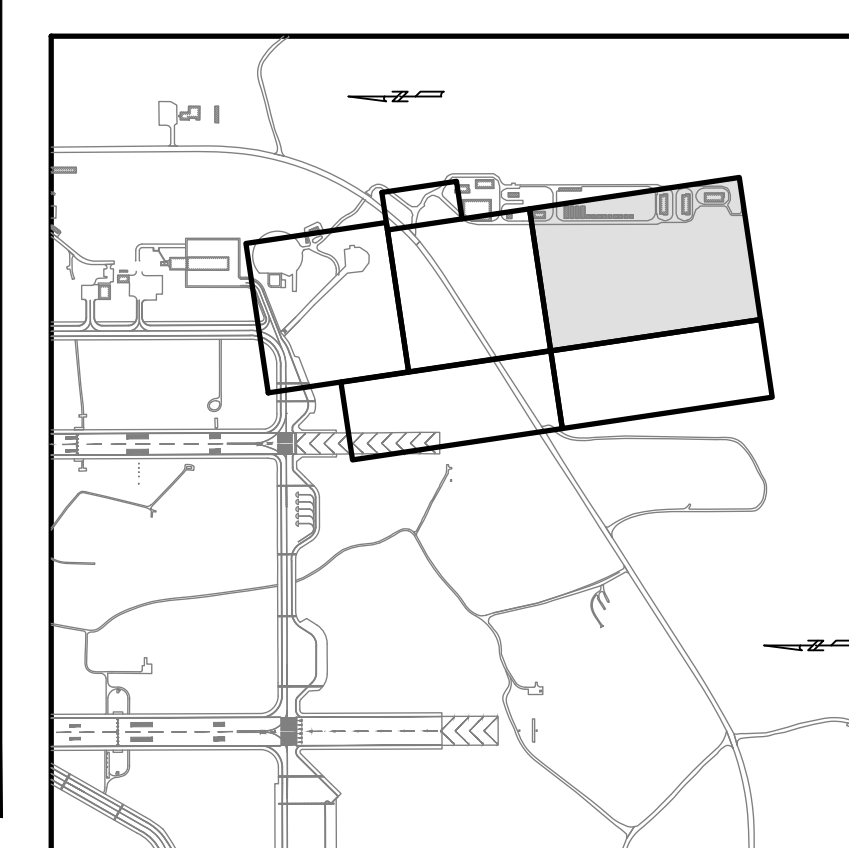
DEMOLITION NOTES:

- 1. DEMOLITION ILLUSTRATED BY THE SHADED "TREE REMOVAL PACKAGE SCOPE" SHOWN ON THIS SHEET IS NOT INCLUDED IN THIS CONTRACT.
- 2. CONTRACTOR MUST CONDUCT CLEARING AND GRUBBING FOR ALL AREAS WITHIN THE LOD EXCEPT THE SHADED AREA.

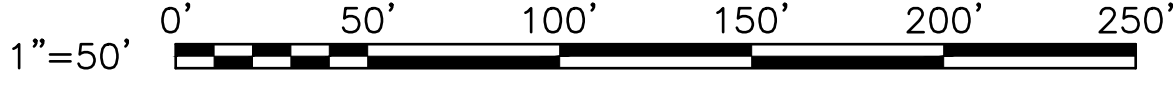
KEY NOTES:

- 1 REMOVE EXISTING MSA FENCE
- 2 REMOVE AND REPLACE EXISTING MSA FENCE
- 3 CLEAR AND GRUB/REMOVE EXISTING WOODED AREA PER STAGE 0 EROSION AND SEDIMENT CONTROL PLANS.(NIC)

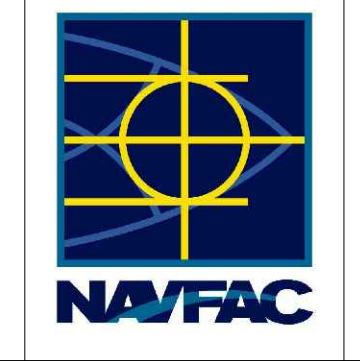
LIMITS OF TREE REMOVAL & CLEARING AND GRUBBING FOR TREE REMOVAL PACKAGE SCOPE (STAGE 0). NOT IN CONTRACT.



KEY PLAN



SYN	DESCRIPTION	DATE	APPR
0	ISSUE FOR CONSTRUCTION	09/26/2022	



WileyWilson
BURNS
McDONNELL
JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

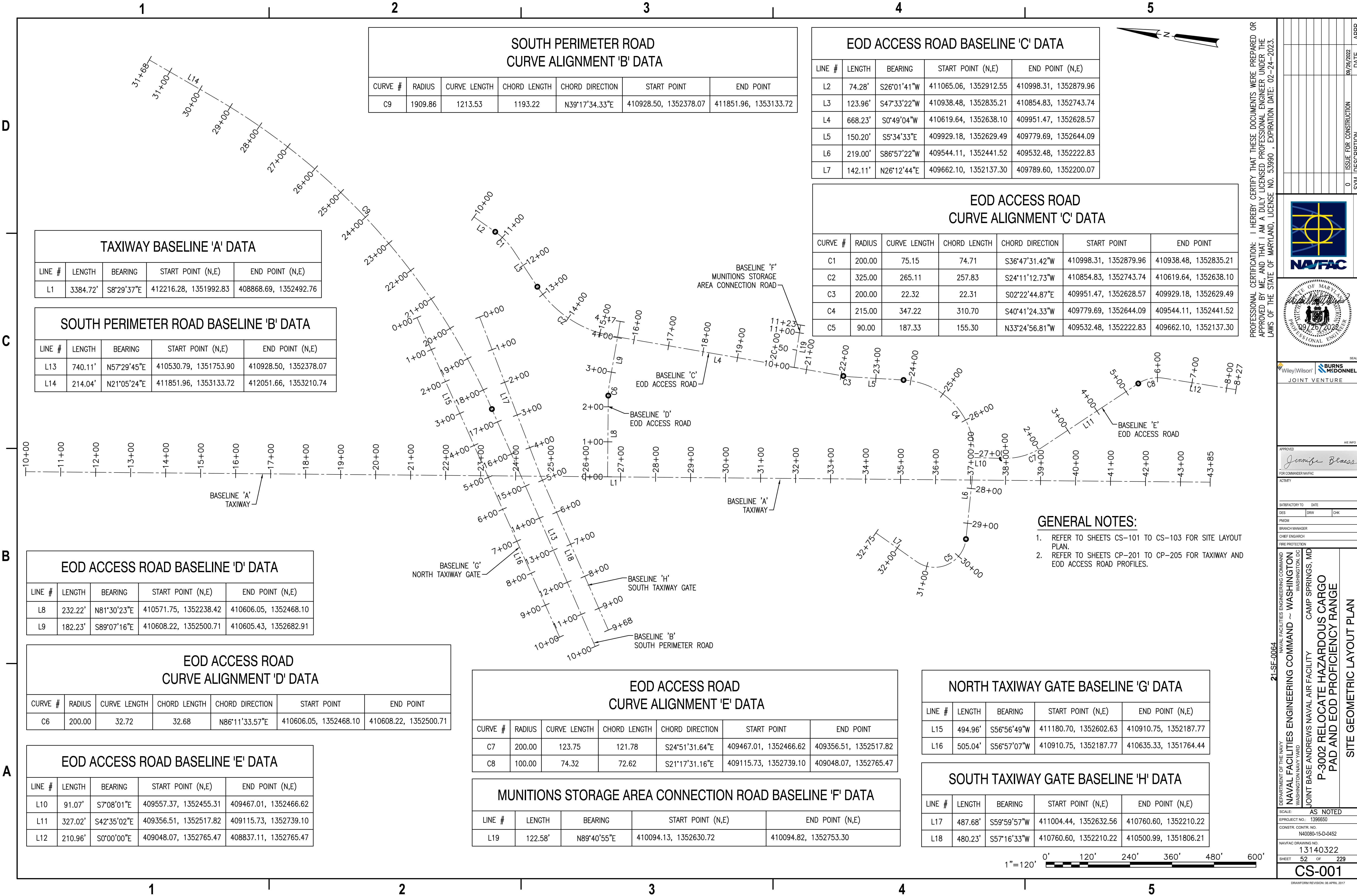
ACTIVITY

SATISFACTORY TO			DATE
DES	DRW	CHK	
PROJECT MANAGER			
CHIEF ENGINEER			
FIRE PROTECTION			

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON NAVY YARD
NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON
JOINT BASE ANDREWS NAVAL AIR FACILITY
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
DEMOLITION PLAN
CAMP SPRINGS, MD

SCALE: AS NOTED
EPROJECT NO.: 139650
CONSTR. CONTR. NO. N40080-22-R-8580
NAVFAC DRAWING NO. 13140320
SHEET 50 OF 229
CD-103

DRAWING REVISION: 06 APRIL 2017



TAXIWAY BASELINE 'A' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L1	3384.72'	S8°29'37"E	412216.28, 1351992.83	408868.69, 1352492.76

SOUTH PERIMETER ROAD BASELINE 'B' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L13	740.11'	N57°29'45"E	410530.79, 1351753.90	410928.50, 1352378.07
L14	214.04'	N21°05'24"E	411851.96, 1353133.72	412051.66, 1353210.74

EOD ACCESS ROAD BASELINE 'D' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L8	232.22'	N81°30'23"E	410571.75, 1352238.42	410606.05, 1352468.10
L9	182.23'	S89°07'16"E	410608.22, 1352500.71	410605.43, 1352682.91

EOD ACCESS ROAD
CURVE ALIGNMENT 'D' DATA

CURVE #	RADIUS	CURVE LENGTH	CHORD LENGTH	CHORD DIRECTION	START POINT	END POINT
C6	200.00	32.72	32.68	N86°11'33.57"E	410606.05, 1352468.10	410608.22, 1352500.71

EOD ACCESS ROAD BASELINE 'E' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L10	91.07'	S7°08'01"E	409557.37, 1352455.31	409467.01, 1352466.62
L11	327.02'	S42°35'02"E	409356.51, 1352517.82	409115.73, 1352739.10
L12	210.96'	S0°00'00"E	409048.07, 1352765.47	408837.11, 1352765.47

SOUTH PERIMETER ROAD
CURVE ALIGNMENT 'B' DATA

CURVE #	RADIUS	CURVE LENGTH	CHORD LENGTH	CHORD DIRECTION	START POINT	END POINT
C9	1909.86	1213.53	1193.22	N39°17'34.33"E	410928.50, 1352378.07	411851.96, 1353133.72

EOD ACCESS ROAD BASELINE 'C' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L2	74.28'	S26°01'41"W	411065.06, 1352912.55	410998.31, 1352879.96
L3	123.96'	S47°33'22"W	410938.48, 1352835.21	410854.83, 1352743.74
L4	668.23'	S0°49'04"W	410619.64, 1352638.10	409951.47, 1352628.57
L5	150.20'	S5°34'33"E	409929.18, 1352629.49	409779.69, 1352644.09
L6	219.00'	S86°57'22"W	409544.11, 1352441.52	409532.48, 1352222.83
L7	142.11'	N26°12'44"E	409662.10, 1352137.30	409789.60, 1352200.07

EOD ACCESS ROAD
CURVE ALIGNMENT 'C' DATA

CURVE #	RADIUS	CURVE LENGTH	CHORD LENGTH	CHORD DIRECTION	START POINT	END POINT
C1	200.00	75.15	74.71	S36°47'31.42"W	410998.31, 1352879.96	410938.48, 1352835.21
C2	325.00	265.11	257.83	S24°11'12.73"W	410854.83, 1352743.74	410619.64, 1352638.10
C3	200.00	22.32	22.31	S02°22'44.87"E	409951.47, 1352628.57	409929.18, 1352629.49
C4	215.00	347.22	310.70	S40°41'24.33"W	409779.69, 1352644.09	409544.11, 1352441.52
C5	90.00	187.33	155.30	N33°24'56.81"W	409532.48, 1352222.83	409662.10, 1352137.30

EOD ACCESS ROAD
CURVE ALIGNMENT 'E' DATA

CURVE #	RADIUS	CURVE LENGTH	CHORD LENGTH	CHORD DIRECTION	START POINT	END POINT
C7	200.00	123.75	121.78	S24°51'31.64"E	409467.01, 1352466.62	409356.51, 1352517.82
C8	100.00	74.32	72.62	S21°17'31.16"E	409115.73, 1352739.10	409048.07, 1352765.47

MUNITIONS STORAGE AREA CONNECTION ROAD BASELINE 'F' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L19	122.58'	N89°40'55"E	410094.13, 1352630.72	410094.82, 1352753.30

NORTH TAXIWAY GATE BASELINE 'G' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L15	494.96'	S56°56'49"W	411180.70, 1352602.63	410910.75, 1352187.77
L16	505.04'	S56°57'07"W	410910.75, 1352187.77	410635.33, 1351764.44

SOUTH TAXIWAY GATE BASELINE 'H' DATA

LINE #	LENGTH	BEARING	START POINT (N,E)	END POINT (N,E)
L17	487.68'	S59°59'57"W	411004.44, 1352632.56	410760.60, 1352210.22
L18	480.23'	S57°16'33"W	410760.60, 1352210.22	410500.99, 1351806.21

GENERAL NOTES:

- REFER TO SHEETS CS-101 TO CS-103 FOR SITE LAYOUT PLAN.
- REFER TO SHEETS CP-201 TO CP-205 FOR TAXIWAY AND EOD ACCESS ROAD PROFILES.



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JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

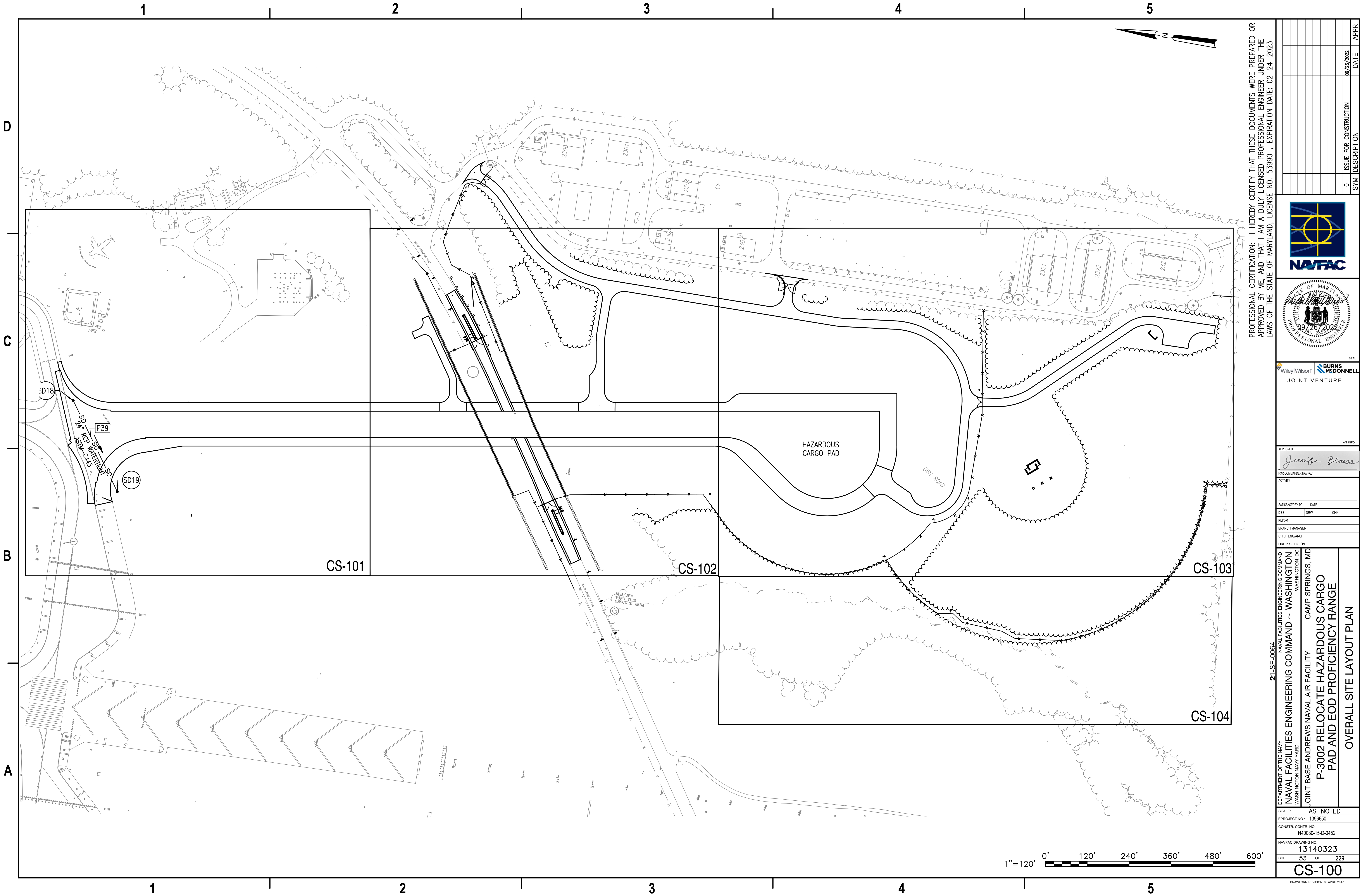
ACTIVITY

SATISFACTORY TO DATE
DESIGN
PLOT
BRANCH MANAGER
CHIEF ENGINEER
FIRE PROTECTION

21-SF-0064
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON
WASHINGTON DC
JOINT BASE ANDREWS NAVAL AIR FACILITY CAMP SPRINGS, MD
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
SITE GEOMETRIC LAYOUT PLAN

SCALE: AS NOTED
PROJECT NO.: 1398650
CONSTR. CONTR. NO. N40080-15-D-0452
NAVFAC DRAWING NO. 13140322
SHEET 52 OF 229
CS-001

DRAWING REVISION: 06 APRIL 2017



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 53990, EXPIRATION DATE: 02-24-2023.



Wiley|Wilson
BURNS
MCDONNELL
JOINT VENTURE

APPROVED
Jennifer Blaes
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES DESIGNED BY CHK

PM/DM

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON DC

WASHINGTON NAVY YARD

JOINT BASE ANDREWS NAVAL AIR FACILITY

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

OVERALL SITE LAYOUT PLAN

21-SF-0064

SCALE: AS NOTED

PROJECT NO.: 139650

CONSTR. CONTR. NO.

N40080-15-D-0452

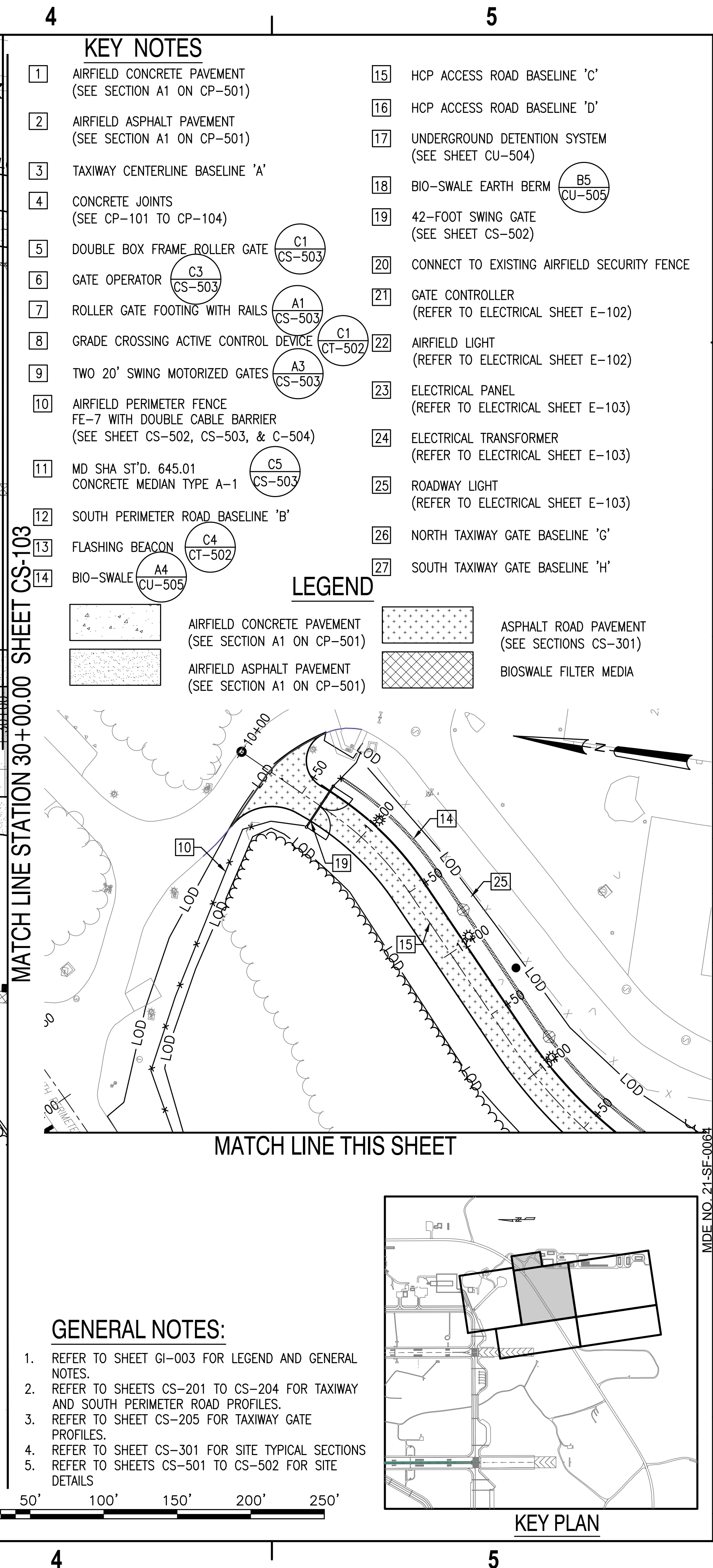
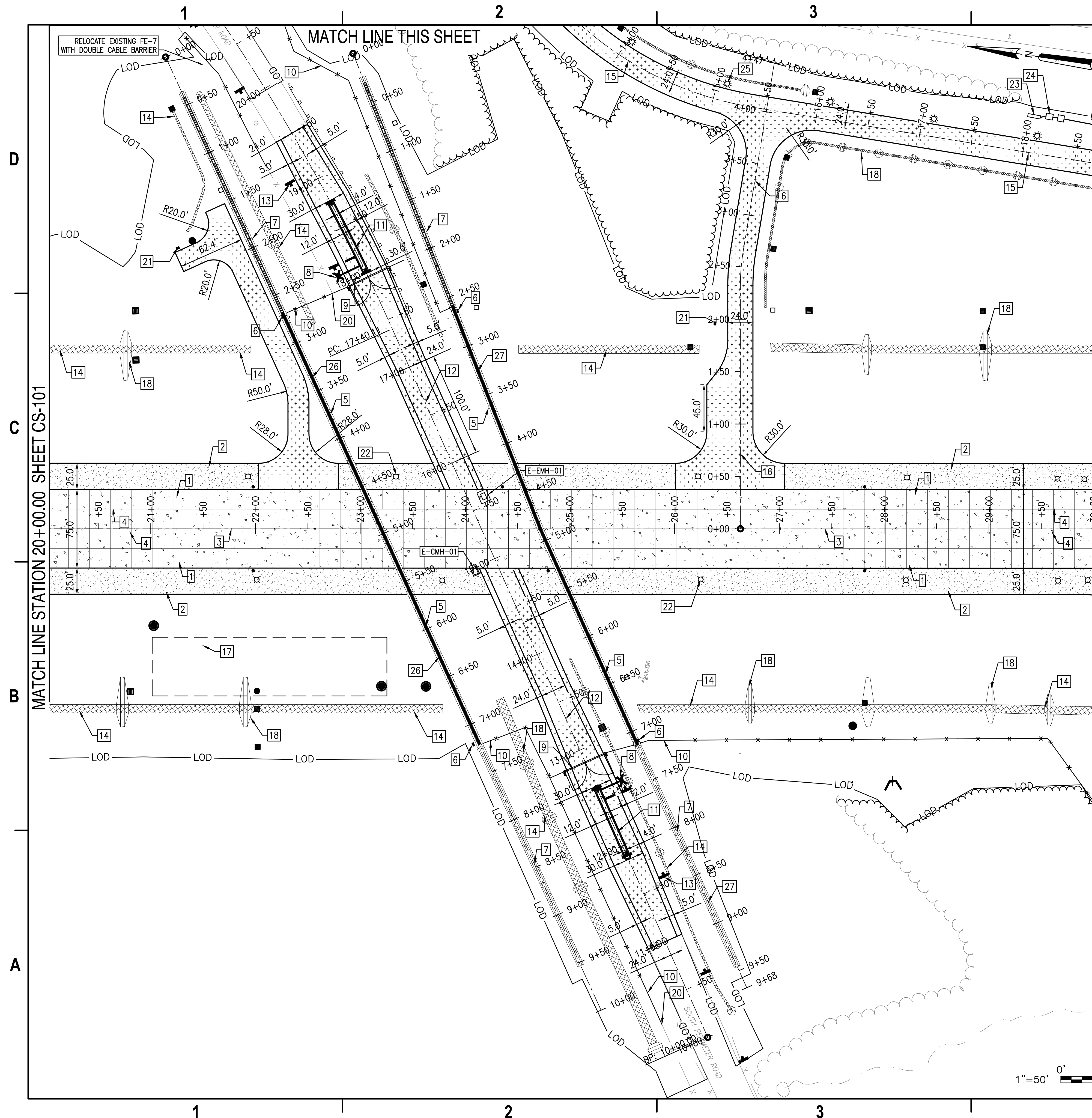
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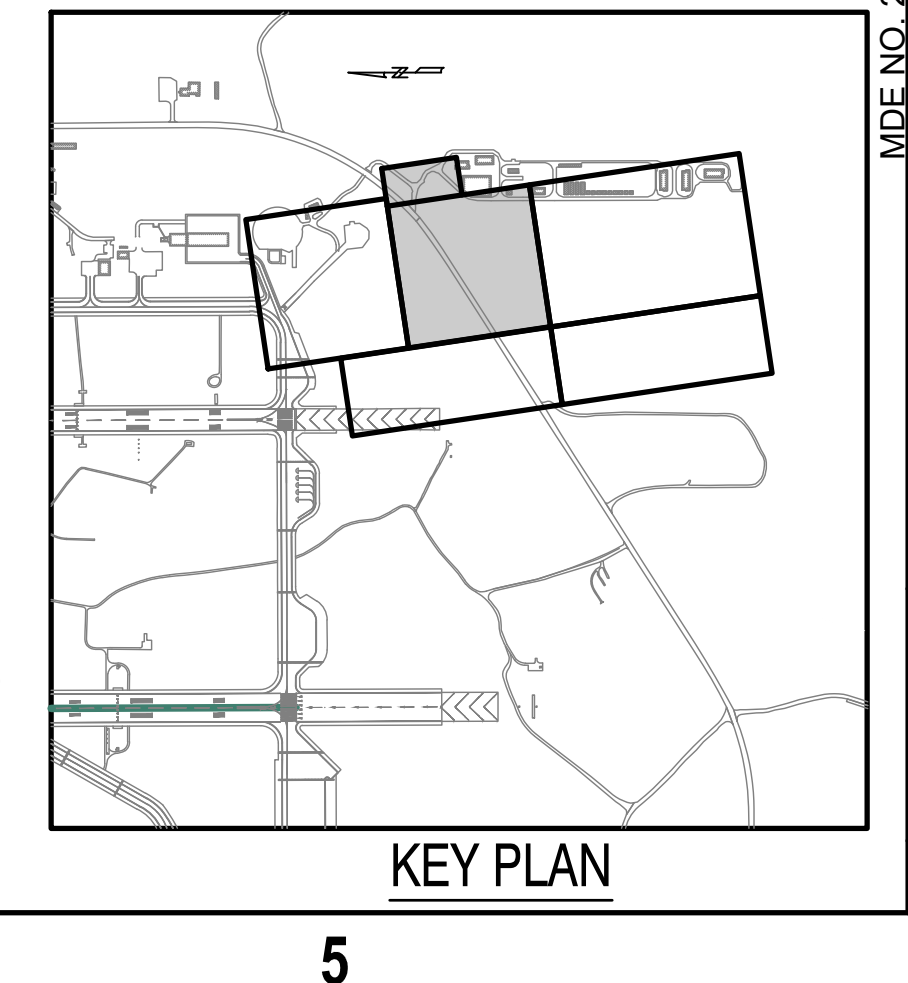
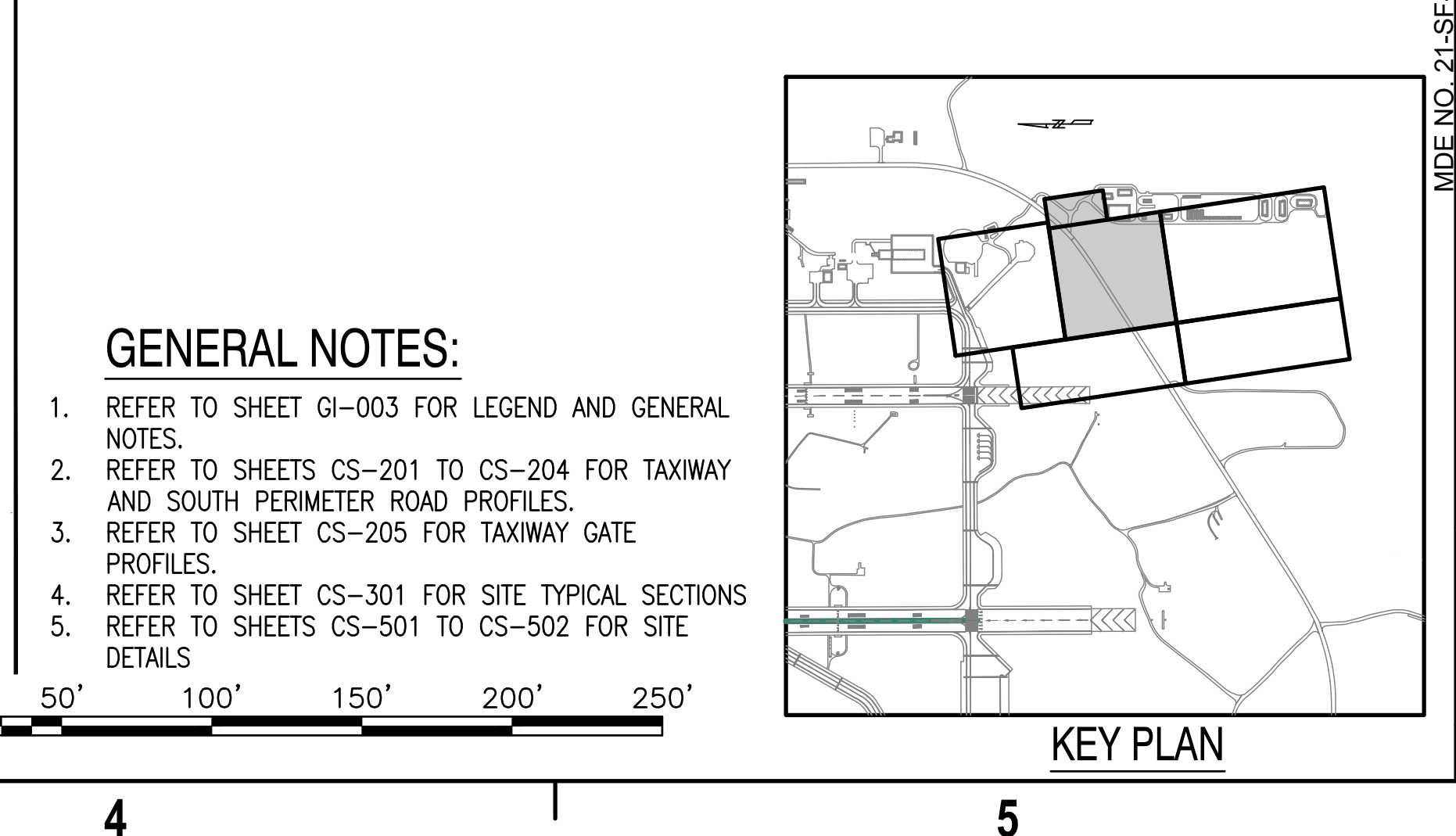
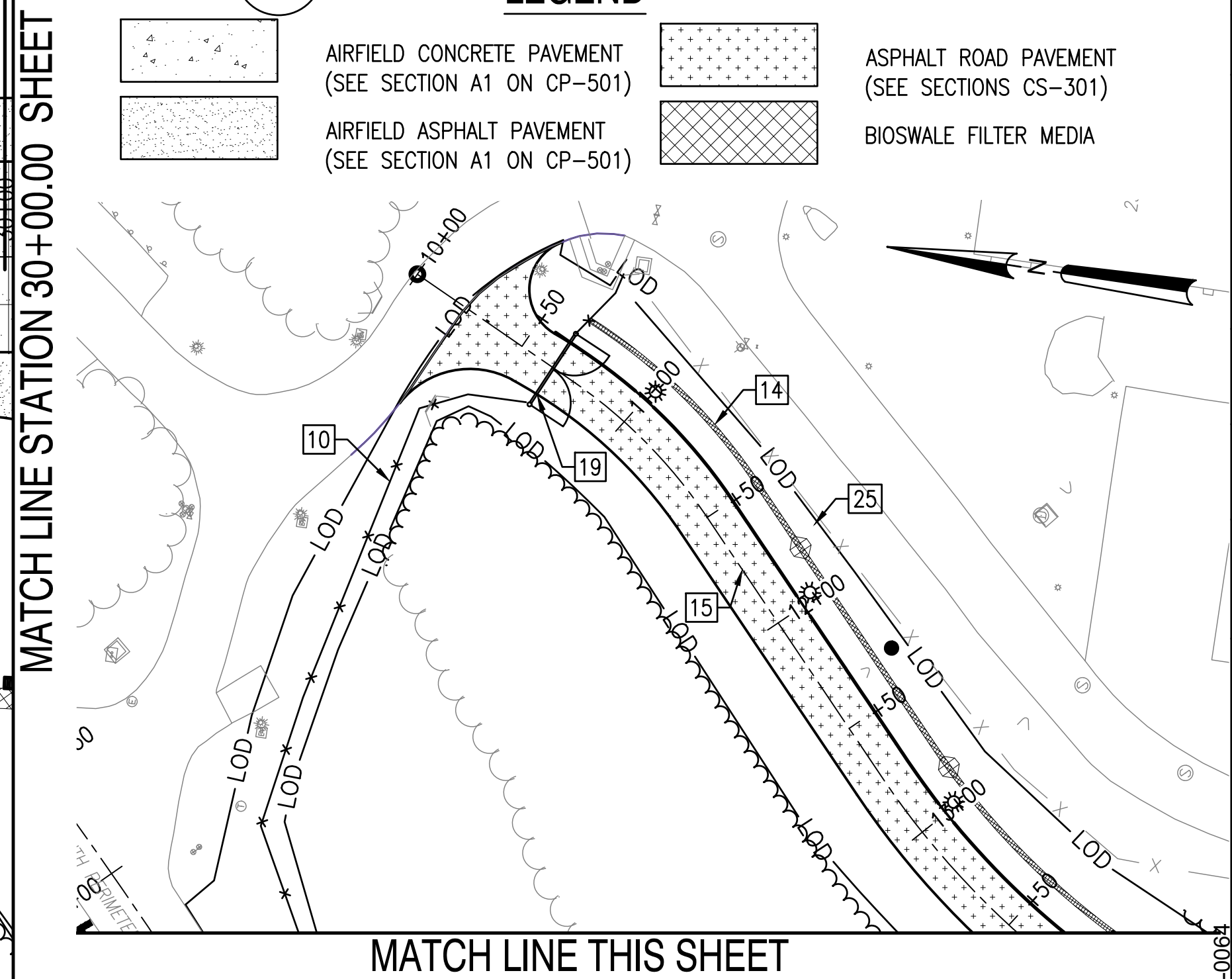
SHEET 53 OF 229

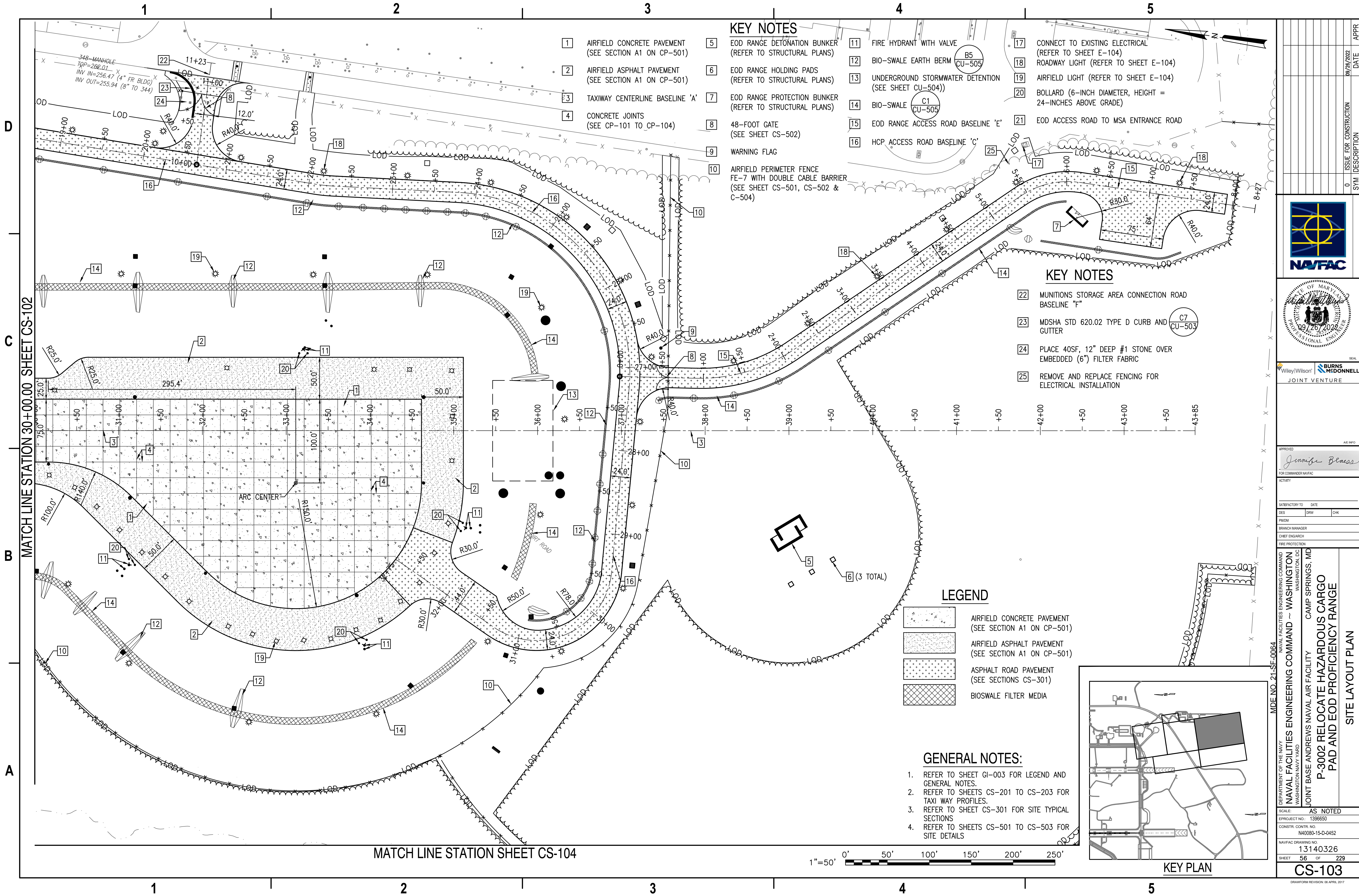
CS-100

DRAWING REVISION: 06 APRIL 2017



- | | | | |
|----|---|----|--|
| 1 | AIRFIELD CONCRETE PAVEMENT
(SEE SECTION A1 ON CP-501) | 15 | HCP ACCESS ROAD BASELINE 'C' |
| 2 | AIRFIELD ASPHALT PAVEMENT
(SEE SECTION A1 ON CP-501) | 16 | HCP ACCESS ROAD BASELINE 'D' |
| 3 | TAXIWAY CENTERLINE BASELINE 'A' | 17 | UNDERGROUND DETENTION SYSTEM
(SEE SHEET CU-504) |
| 4 | CONCRETE JOINTS
(SEE CP-101 TO CP-104) | 18 | BIO-SWALE EARTH BERM B5
CU-505 |
| 5 | DOUBLE BOX FRAME ROLLER GATE C1
CS-503 | 19 | 42-FOOT SWING GATE
(SEE SHEET CS-502) |
| 6 | GATE OPERATOR C3
CS-503 | 20 | CONNECT TO EXISTING AIRFIELD SECURITY FENCE |
| 7 | ROLLER GATE FOOTING WITH RAILS A1
CS-503 | 21 | GATE CONTROLLER
(REFER TO ELECTRICAL SHEET E-102) |
| 8 | GRADE CROSSING ACTIVE CONTROL DEVICE C1
CT-502 | 22 | AIRFIELD LIGHT
(REFER TO ELECTRICAL SHEET E-102) |
| 9 | TWO 20' SWING MOTORIZED GATES A3
CS-503 | 23 | ELECTRICAL PANEL
(REFER TO ELECTRICAL SHEET E-103) |
| 10 | AIRFIELD PERIMETER FENCE
FE-7 WITH DOUBLE CABLE BARRIER
(SEE SHEET CS-502, CS-503, & C-504) | 24 | ELECTRICAL TRANSFORMER
(REFER TO ELECTRICAL SHEET E-103) |
| 11 | MD SHA ST'D. 645.01
CONCRETE MEDIAN TYPE A-1 C5
CS-503 | 25 | ROADWAY LIGHT
(REFER TO ELECTRICAL SHEET E-103) |
| 12 | SOUTH PERIMETER ROAD BASELINE 'B' | 26 | NORTH TAXIWAY GATE BASELINE 'G' |
| 13 | FLASHING BEACON C4
CT-502 | 27 | SOUTH TAXIWAY GATE BASELINE 'H' |
| 14 | BIO-SWALE A4
CU-505 | | |

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DATE	30/06/2022	APPR
SYM	DESCRIPTION	DATE
0	ISSUE FOR CONSTRUCTION	

Wiley|Wilson | BURNS & MCDONNELL
JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

SATISFACTORY TO DATE
DES: []
CHK: []
PMTM: []
BRANCH MANAGER: []
CHIEF ENGINEER: []
FIRE PROTECTION: []

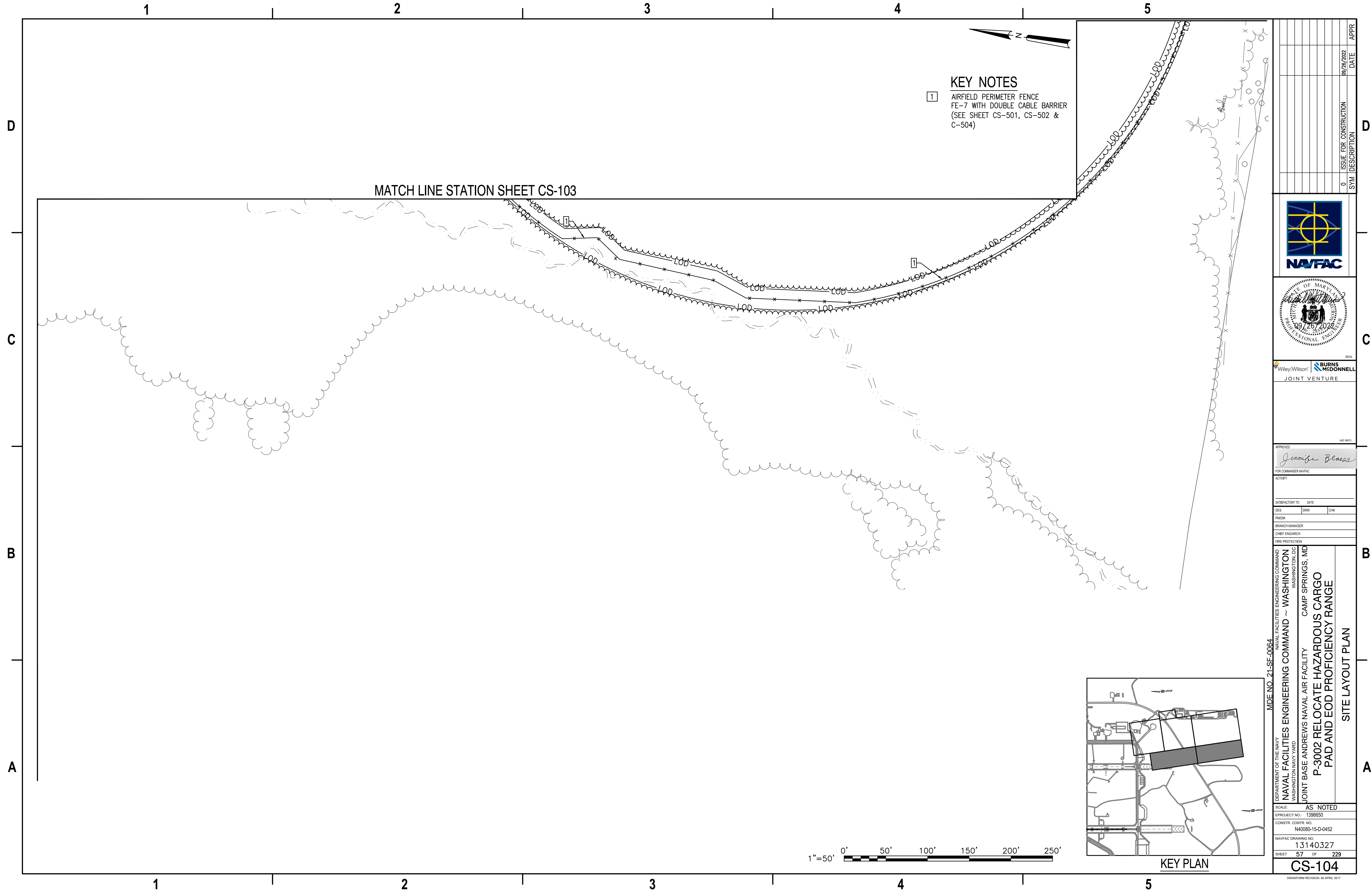
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON NAVY YARD
NAVFAC DRAWING NO. 13140326
SHEET 56 OF 229

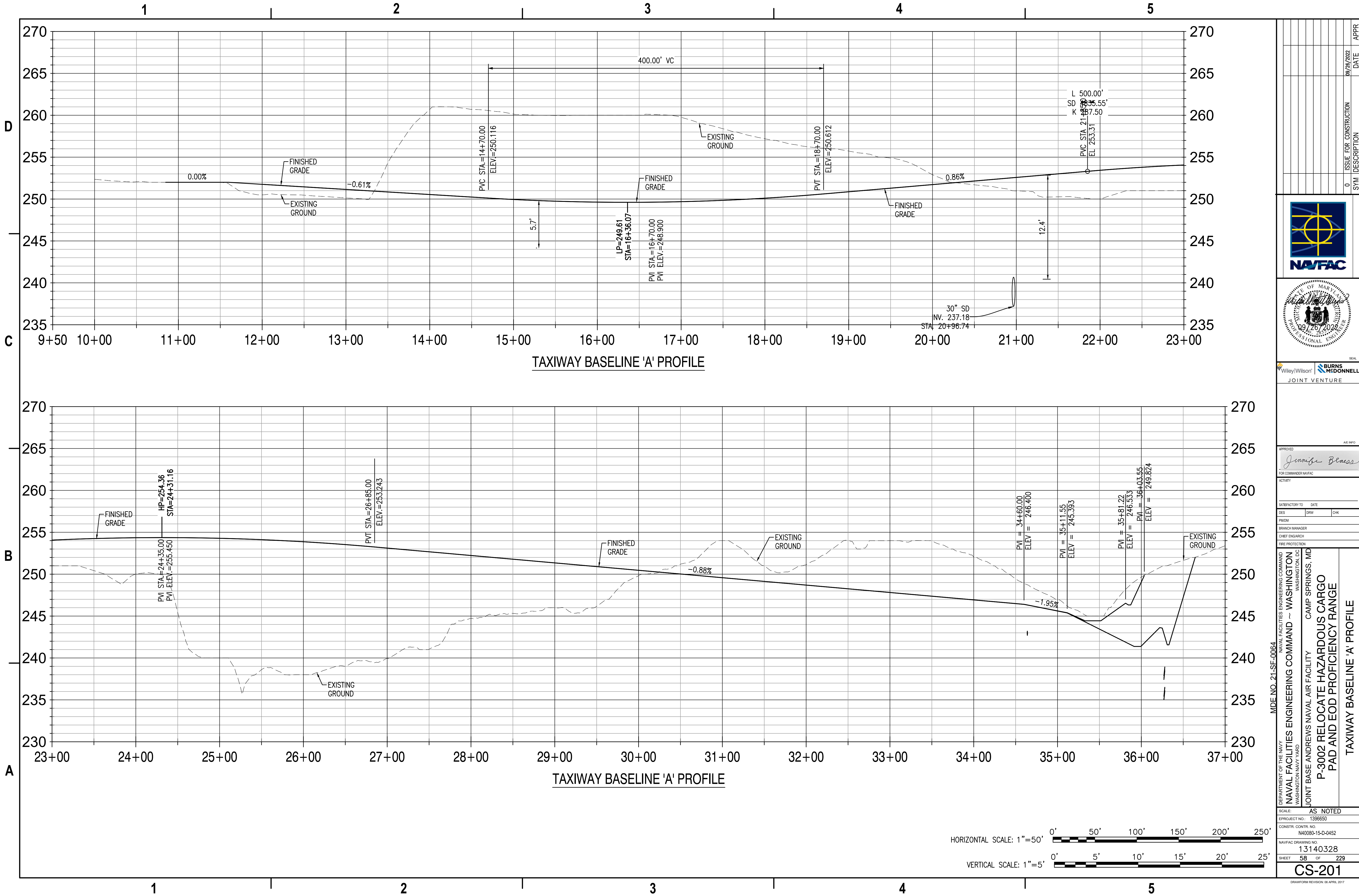
NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON
JOINT BASE ANDREWS NAVAL AIR FACILITY
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
SITE LAYOUT PLAN

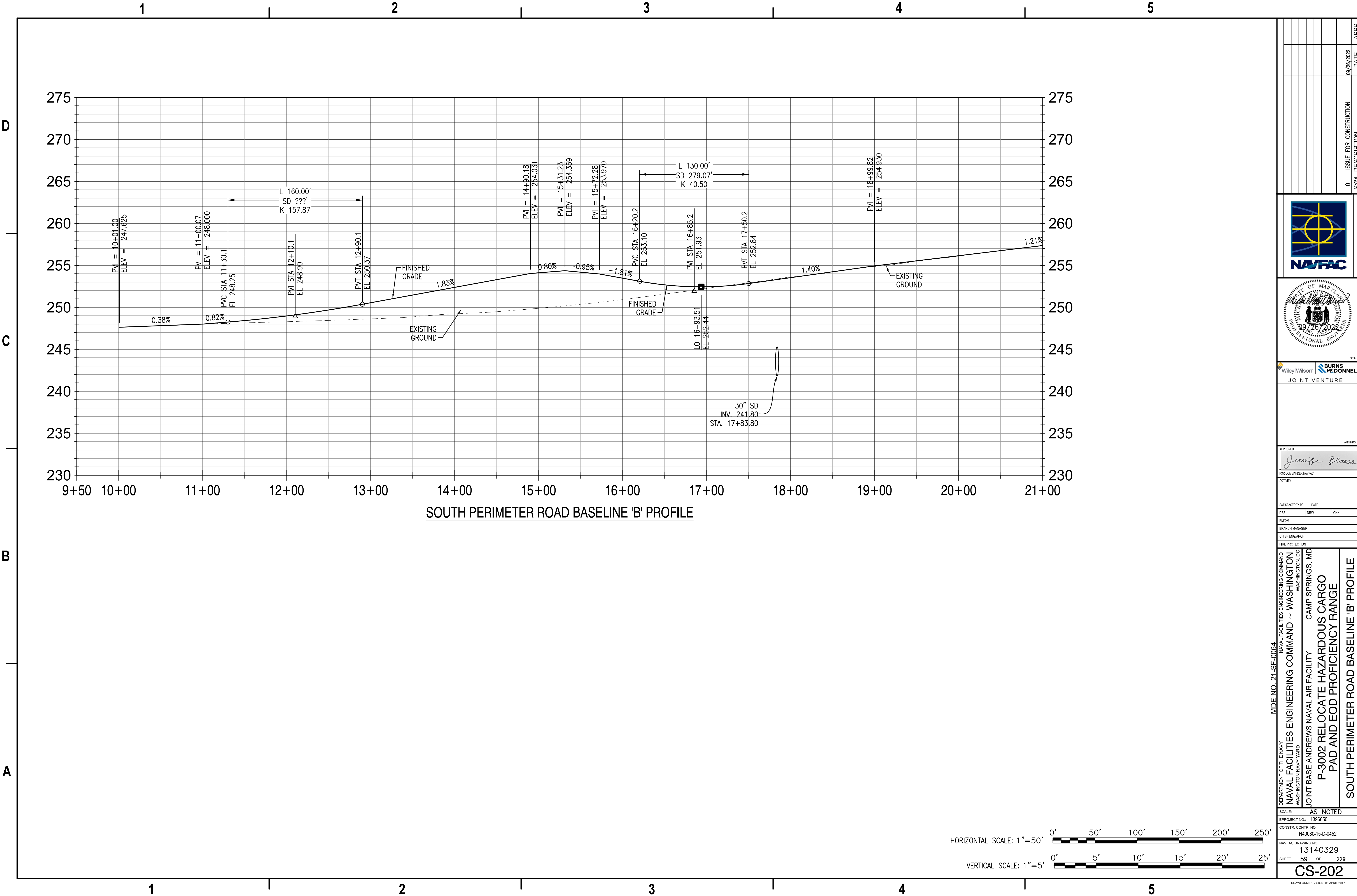
SCALE: AS NOTED
EPROJECT NO.: 1396650
CONSTR. CONTR. NO. N40080-15-D-0452

CS-103

DRAWING REVISION: 06 APRIL 2017







DATE

29/26/2022

APPR

DATE

29/26/2022

DATE

ISSUE FOR CONSTRUCTION

SYM DESCRIPTION

0

ISSUE FOR CONSTRUCTION

SYM DESCRIPTION

Wiley Wilson

BURNS MEDONNELL

JOINT VENTURE

APPROVED

Jennifer Blaess

FOR COMMANDER NAVFAC

SATISFACTORY TO

DATE

DES

PRW

CHK

PM/DM

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON NAVY YARD

WASHINGTON, DC

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

JOINT BASE ANDREWS NAVAL AIR FACILITY

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

SOUTH PERIMETER ROAD BASELINE 'B' PROFILE

SCALE:

AS NOTED

EPROJECT NO.:

1396650

CONSTR. CONTR. NO.

N40080-15-D-0452

NAVFAC DRAWING NO.

13140329

SHEET

59

OF

229

CS-202

DRAWING REVISION: 06 APRIL 2017

MDR NO. 21-SF-0064

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON NAVY YARD

WASHINGTON, DC

JOINT BASE ANDREWS NAVAL AIR FACILITY

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

SOUTH PERIMETER ROAD BASELINE 'B' PROFILE

SCALE:

AS NOTED

EPROJECT NO.:

1396650

CONSTR. CONTR. NO.

N40080-15-D-0452

NAVFAC DRAWING NO.

13140329

SHEET

59

OF

229

CS-202

DRAWING REVISION: 06 APRIL 2017

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON NAVY YARD

WASHINGTON, DC

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

JOINT BASE ANDREWS NAVAL AIR FACILITY

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

SOUTH PERIMETER ROAD BASELINE 'B' PROFILE

SCALE:

AS NOTED

EPROJECT NO.:

1396650

CONSTR. CONTR. NO.

N40080-15-D-0452

NAVFAC DRAWING NO.

13140329

SHEET

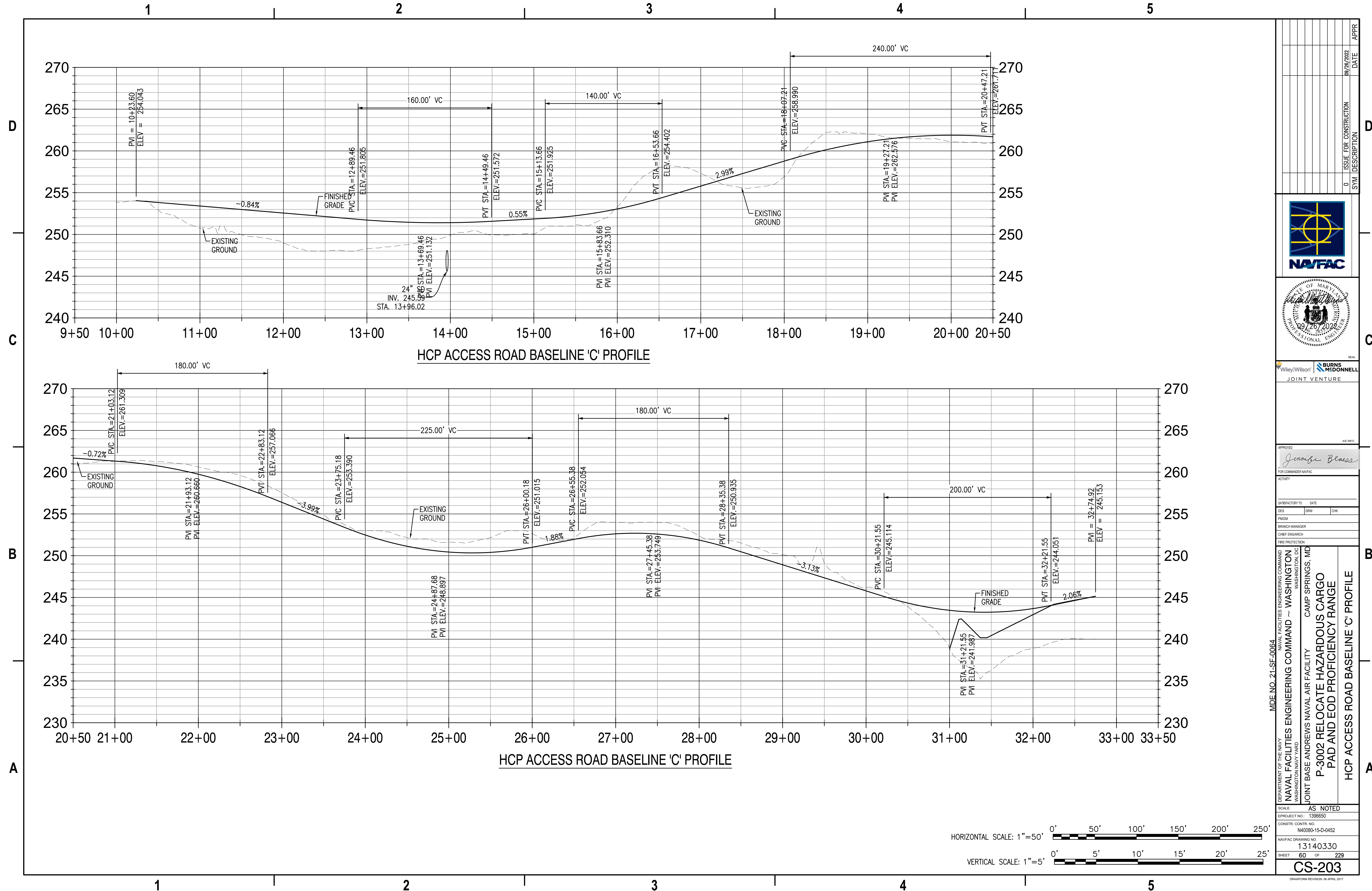
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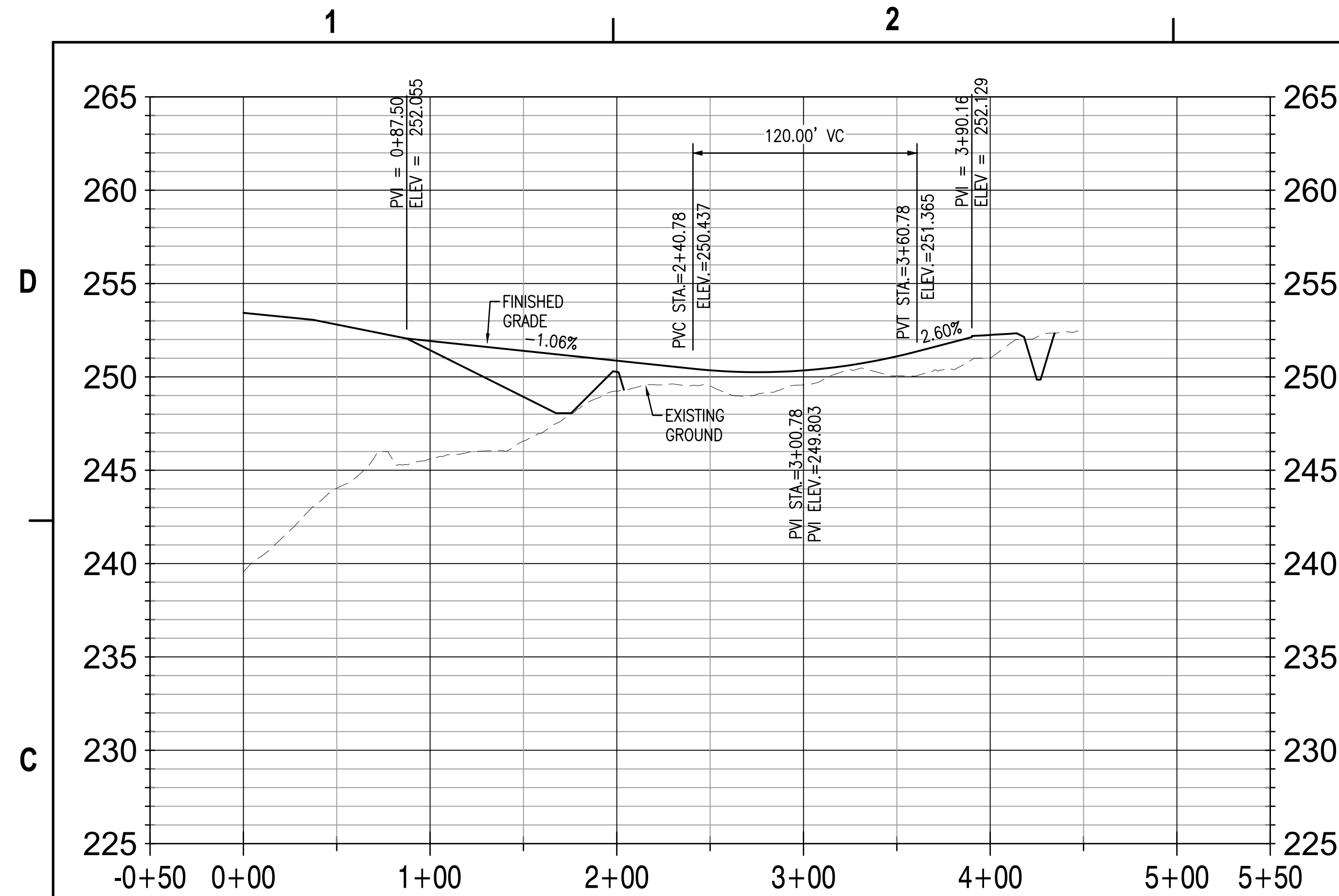
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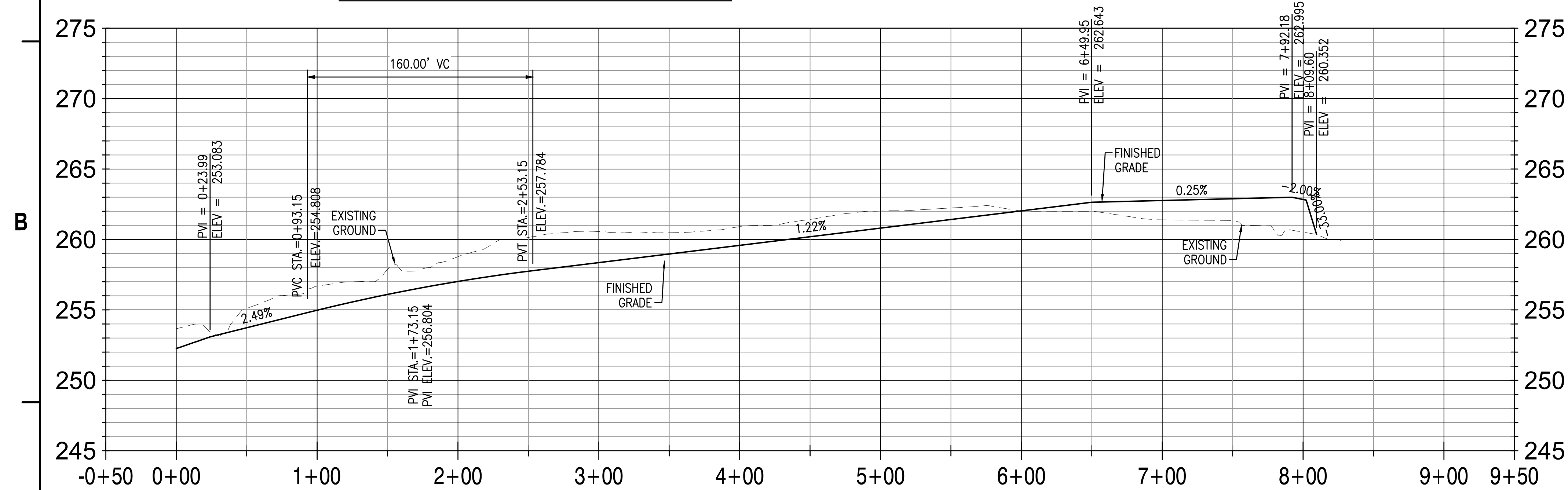
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DRAWING REVISION: 06 APRIL 2017

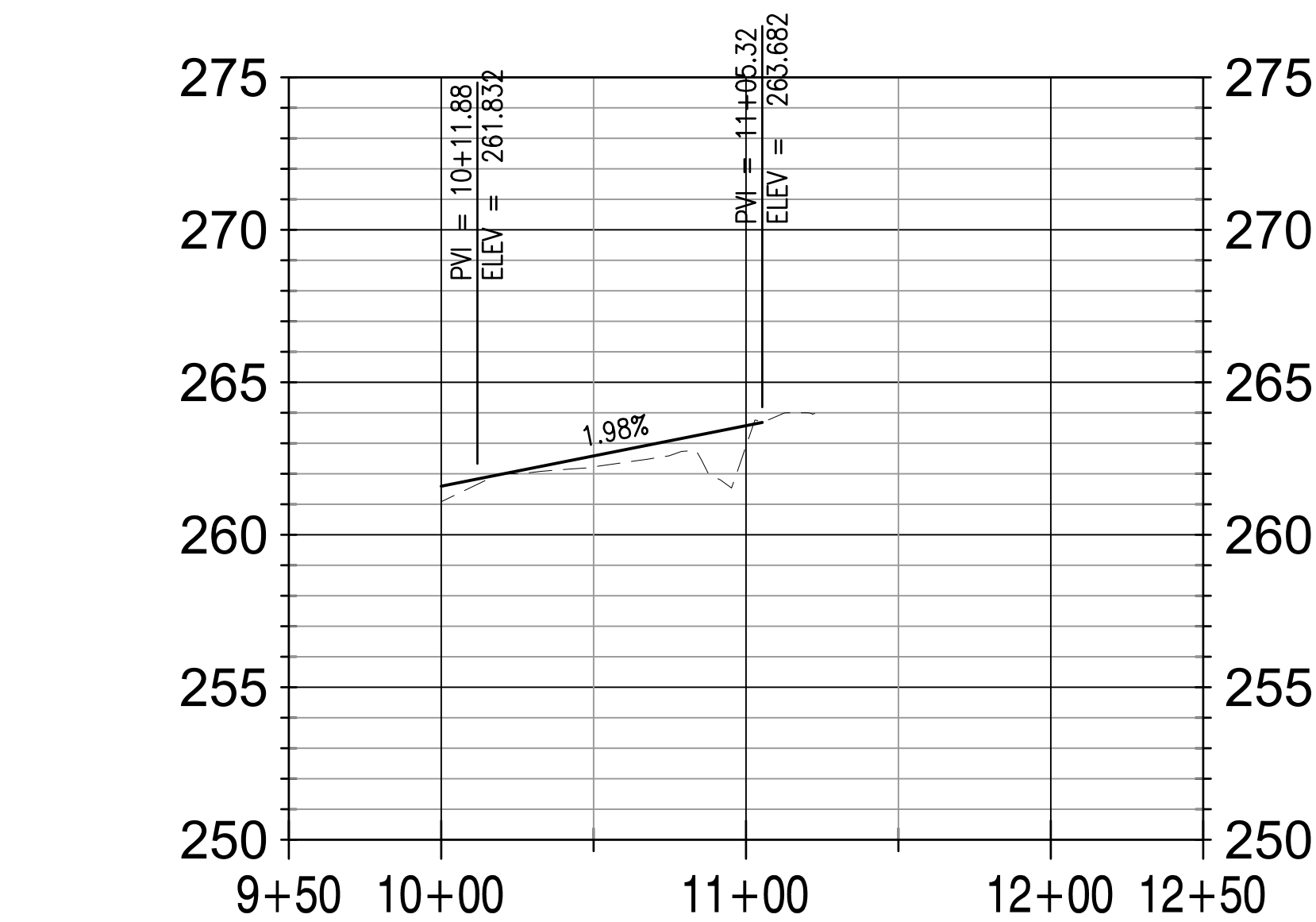




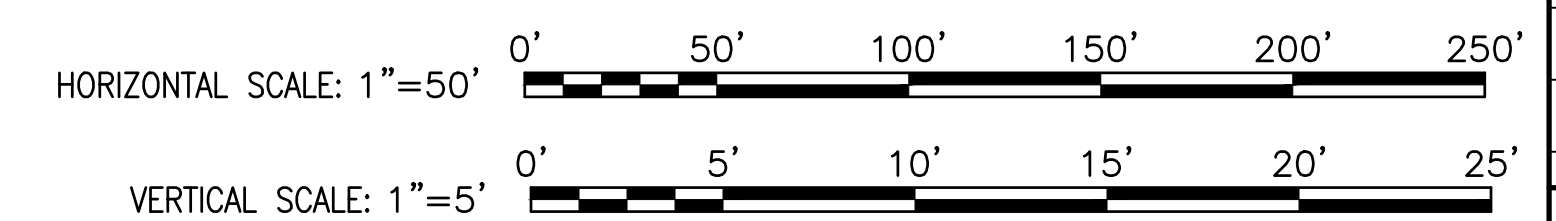
HCP ACCESS ROAD BASELINE 'D' PROFILE

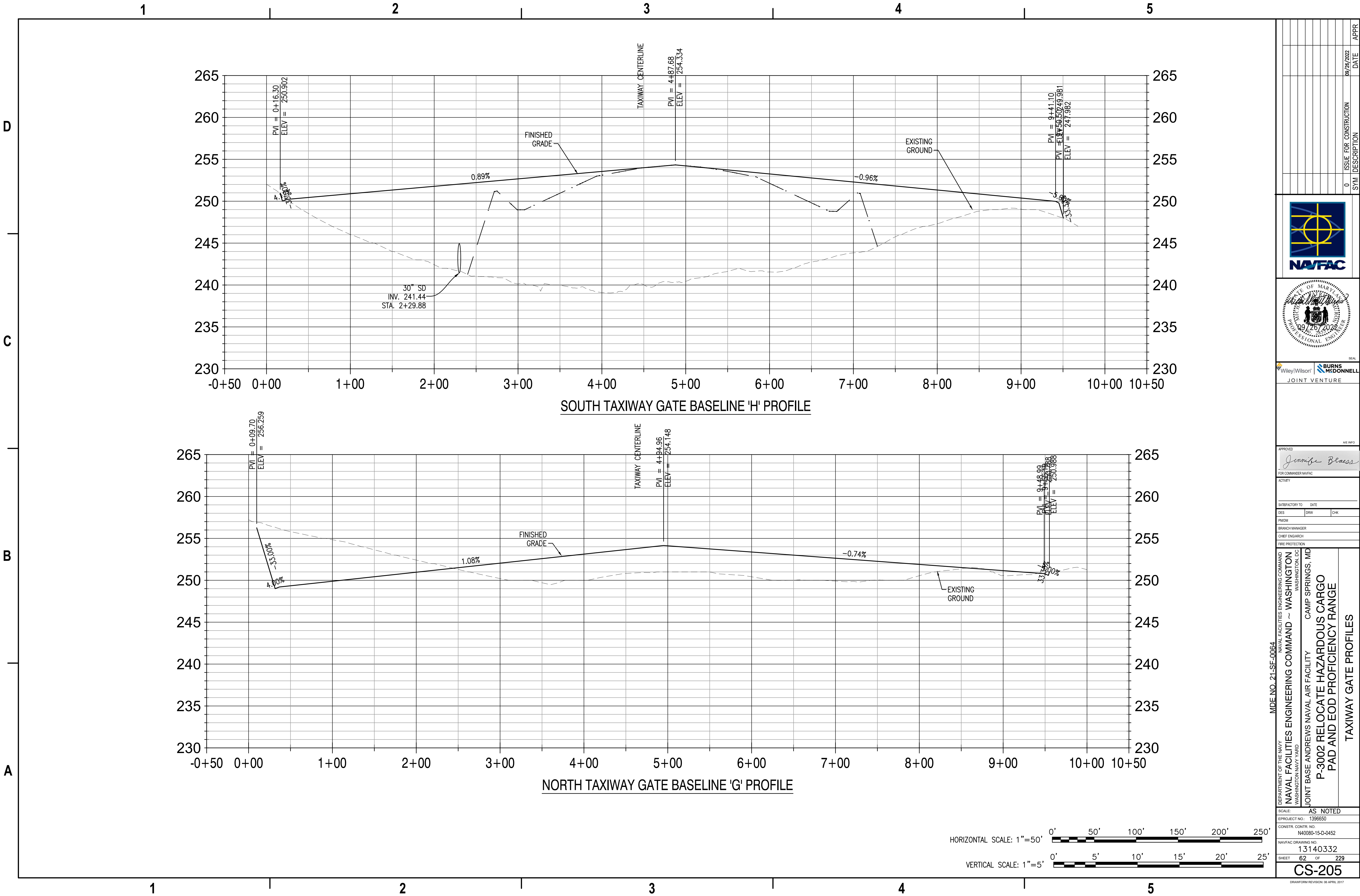


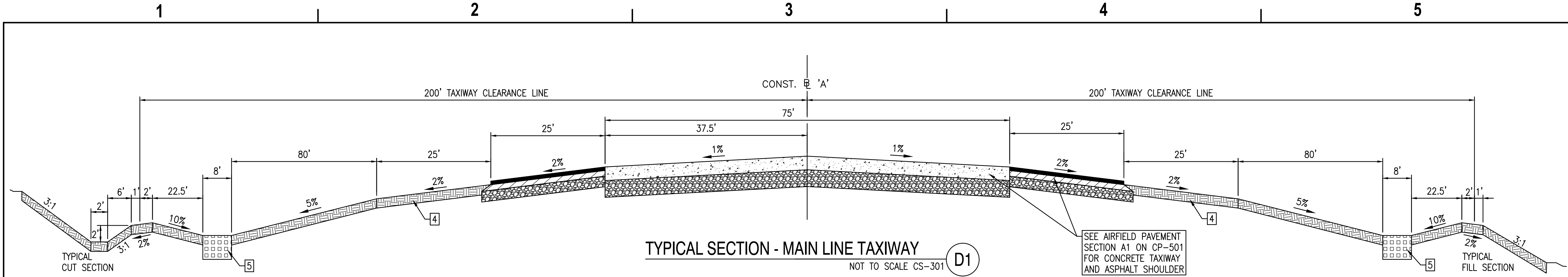
EOD RANGE ACCESS ROAD BASELINE 'E' PROFILE



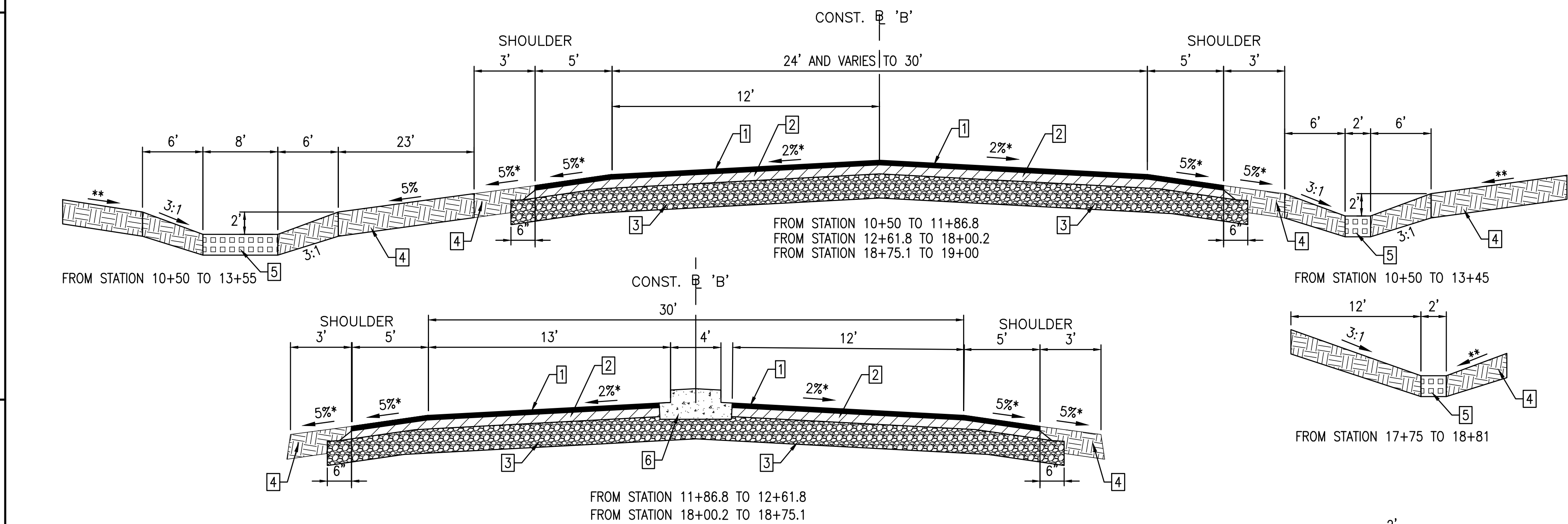
MUNITIONS STORAGE AREA CONNECTION ROAD BASELINE 'F' PROFILE

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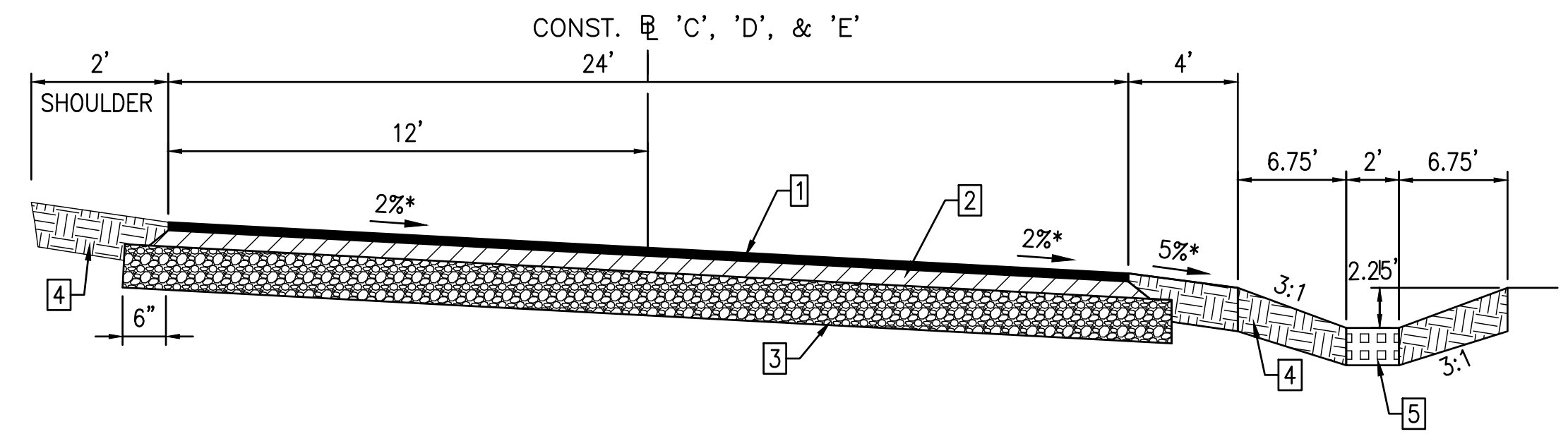
TYPICAL SECTION - MAIN LINE TAXIWAY
NOT TO SCALE CS-301 D1



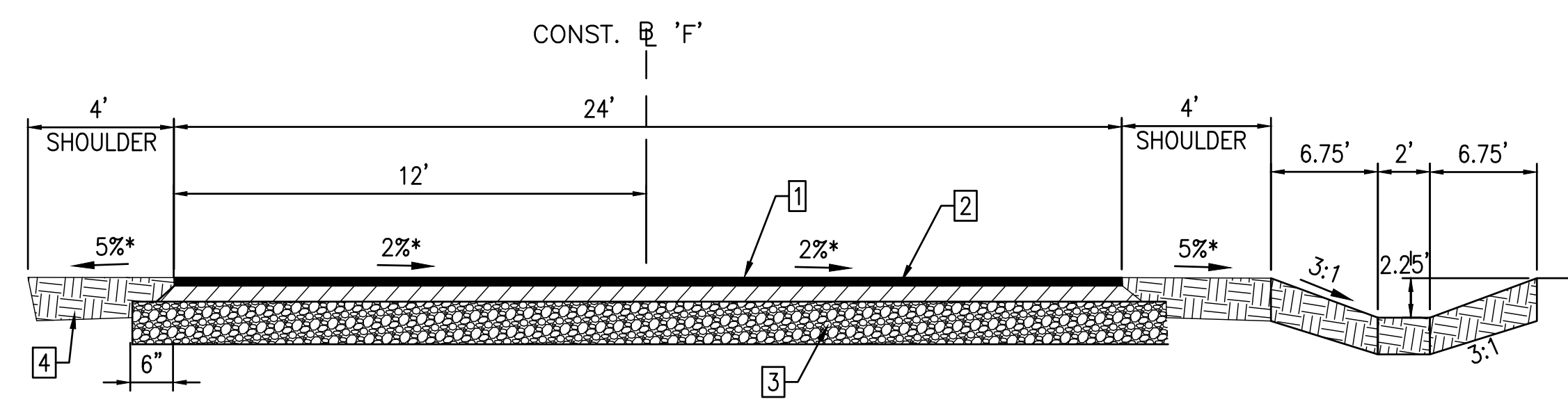
TYPICAL SECTION - SOUTH PERIMETER ROAD
NOT TO SCALE CS-301 C3

- LEGEND**
- 1 2" ASPHALT CONCRETE SURFACE COURSE (SEE SPECIFICATION SECTION 32 12 15.13)
 - 2 4" ASPHALT CONCRETE BASE COURSE (SEE SPECIFICATION SECTION 32 12 15.13)
 - 3 8" AGGREGATE BASE COURSE (SEE SPECIFICATIONS SECTION 32 11 23)
 - 4 6" TOPSOIL, SEED, AND MULCH
 - 5 BIOSWALE
 - 6 MD SHA ST'D. 645.01 CONCRETE MEDIAN TYPE A-1

NOTE:
*ROAD CROSS SLOPES VARY. REFER TO SUPERELEVATION TABLES FOR ROAD LANE AND SHOULDER SLOPES. SEE CROSS SECTIONS (CX-501-CX-516) FOR ELEVATIONS.
**SLOPE VARIES TO GATE, 3:1 MAXIMUM



TYPICAL SECTION - EOD ACCESS ROAD
NOT TO SCALE CS-301 B3



TYPICAL SECTION - EOD ACCESS ROAD TO MSA ENTRANCE
NOT TO SCALE CS-301 A3

SOUTH PERIMETER ROAD PAVEMENT CROSS SLOPES

STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
10+00.0'	BEGIN ALIGNMENT	-5.00%	-2.00%	-2.00%	-5.00%
10+50.0'	BEGIN PROJECT	-5.00%	-2.00%	-2.00%	-5.00%
12+99.1'	END NORMAL CROWN	-5.00%	-2.00%	-2.00%	-5.00%
13+50.0'		-5.00%	-1.80%	0.00%	-5.00%
14+00.0'		-1.25%	-1.25%	1.25%	1.25%
14+35.3'		-0.70%	-0.70%	0.70%	0.70%
14+85.1'	TAXIWAY SHOULDER EDGE	-0.70%	-0.70%	0.70%	0.70%
15+80.1'	TAXIWAY SHOULDER EDGE	0.70%	0.70%	-0.70%	-0.70%
16+30.0'		0.70%	0.70%	-0.70%	-0.70%
17+40.1'	CROWN RUNOUT	-2.00%	0.00%	0.00%	-2.00%
18+10.0'		-3.20%	-3.20%	1.20%	1.20%
18+80.0'		-6.40%	-6.40%	2.40%	2.40%
19+00.0'	END PROJECT	-3.00%	-6.50%	2.50%	3.00%

EOD ROAD PAVEMENT CROSS SLOPES

STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
0+00.0'	BEGIN ALIGNMENT	0.00%	0.00%	0.00%	0.00%
0+28.6'		-5.00%	1.00%	-1.00%	-5.00%
0+99.7'		-5.00%	2.00%	-2.00%	-5.00%
7+92.1'		-5.00%	2.00%	-2.00%	-5.00%
8+27.1'	END ALIGNMENT	0.00%	0.00%	0.00%	0.00%

EOD ACCESS ROAD BASELINE 'C' PAVEMENT CROSS SLOPES

STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
10+00.0'	BEGIN ALIGNMENT	-5.00%	-2.00%	-2.00%	-5.00%
10+03.6'	END NORMAL CROWN	-5.00%	-2.00%	-2.00%	-5.00%
10+28.8'	LEVEL CROWN	-5.00%	0.00%	0.00%	-5.00%
10+56.9'	REVERSE CROWN	-5.00%	-2.00%	2.00%	-5.00%
12+68.7'	REVERSE CROWN	-5.00%	-2.00%	2.00%	-5.00%
12+92.5'	BEGIN FULL SUPER	-5.00%	-3.40%	3.40%	-5.00%
14+24.7'	END FULL SUPER	-5.00%	-3.40%	3.40%	-5.00%
14+50.5'	REVERSE CROWN	-5.00%	-2.00%	2.00%	-5.00%
15+40.0'	LEVEL CROWN	-5.00%	0.00%	0.00%	-5.00%
15+78.9'		-5.00%	2.00%	-2.00%	-5.00%
15+90.0'	BEGIN NORMAL CROWN	-5.00%	2.00%	-2.00%	-5.00%
23+70.0'	REVERSE CROWN	-5.00%	2.00%	-2.00%	-5.00%
24+00.7'	BEGIN FULL SUPER	-5.00%	3.80%	-3.80%	-5.00%
27+04.6'	END FULL SUPER	-5.00%	3.80%	-3.80%	-5.00%
27+35.4'	REVERSE CROWN	-5.00%	2.00%	-2.00%	-5.00%
29+33.8'	REVERSE CROWN	-5.00%	2.00%	-2.00%	-5.00%
29+68.3'	BEGIN FULL SUPER	-5.00%	4.00%	-4.00%	-5.00%
31+09.6'	END FULL SUPER	-5.00%	4.00%	-4.00%	-5.00%
31+44.1'	REVERSE CROWN	-5.00%	2.00%	-2.00%	-5.00%
31+78.6'	LEVEL CROWN	-5.00%	0.00%	-2.00%	-5.00%
32+13.1'	BEGIN NORMAL CROWN	-5.00%	-2.00%	-2.00%	-5.00%
32+74.7'	END ALIGNMENT	-5.00%	-2.00%	-2.00%	-5.00%

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DESIGNER
Wiley/Wilson

BRANCH MANAGER
BURNS & MCDONNELL

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON NAVY YARD

NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON
CAMP SPRINGS, MD

JOINT BASE ANDREWS NAVAL AIR FACILITY
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE

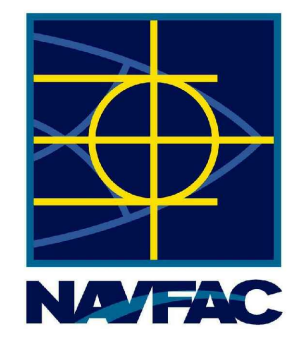
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NAVFAC DRAWING NO.: 13140333
SHEET 63 OF 229

CS-301

DATE
09/26/2022

SYNOPSIS
0 - ISSUE FOR CONSTRUCTION

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Wiley/Wilson
BURNS & MCDONNELL
JOINT VENTURE

AE INFO

Jennifer Bless

FOR COMMANDER NAVFAC

ACTIVITY

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BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON NAVY YARD

WASHINGTON

CAMP SPRINGS, MD

JOINT BASE ANDREWS NAVAL AIR FACILITY

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

SITE TYPICAL SECTIONS

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PAD AND EOD PROFICIENCY RANGE

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WASHINGTON

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JOINT BASE ANDREWS NAVAL AIR FACILITY

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PAD AND EOD PROFICIENCY RANGE

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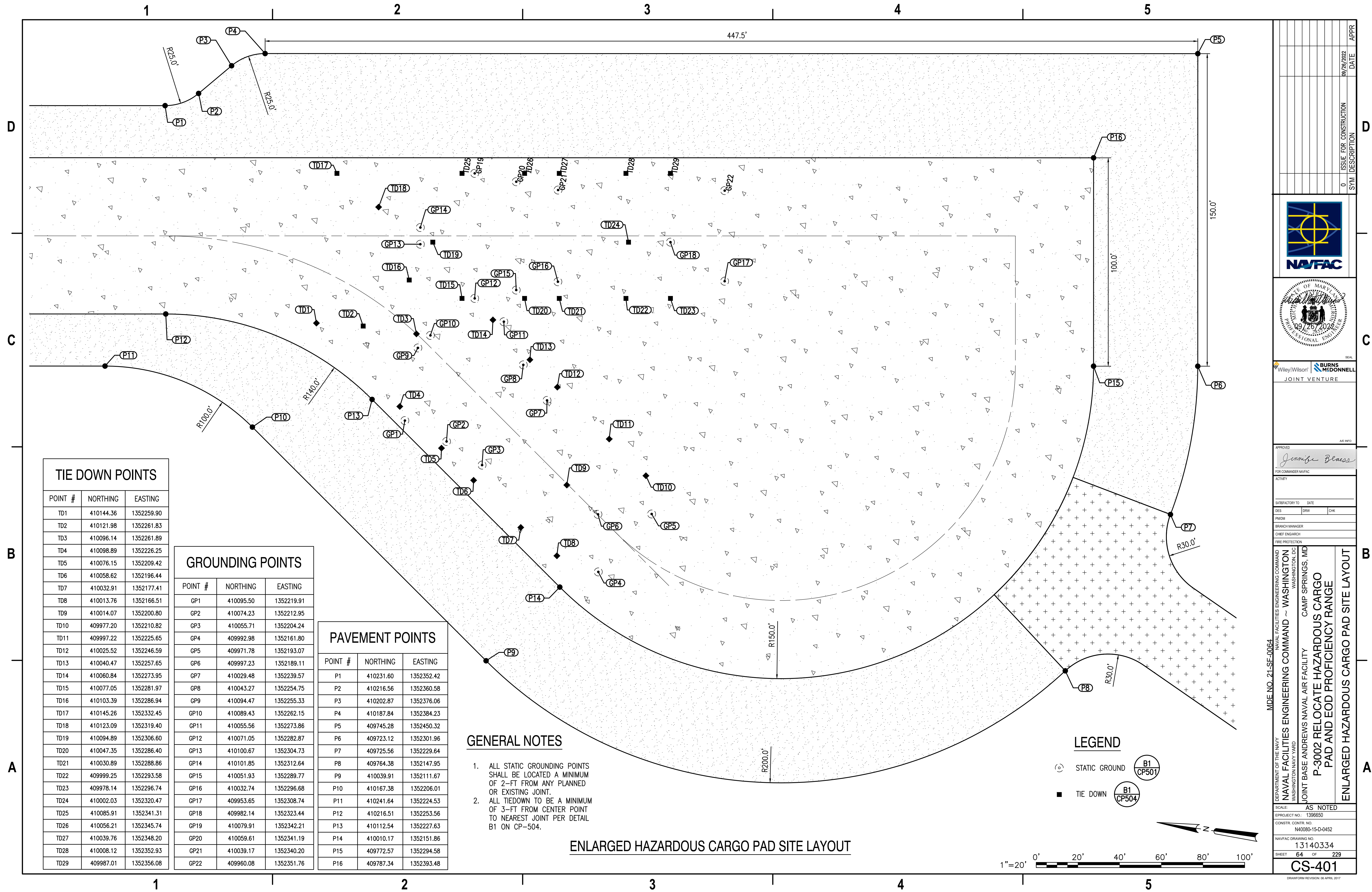
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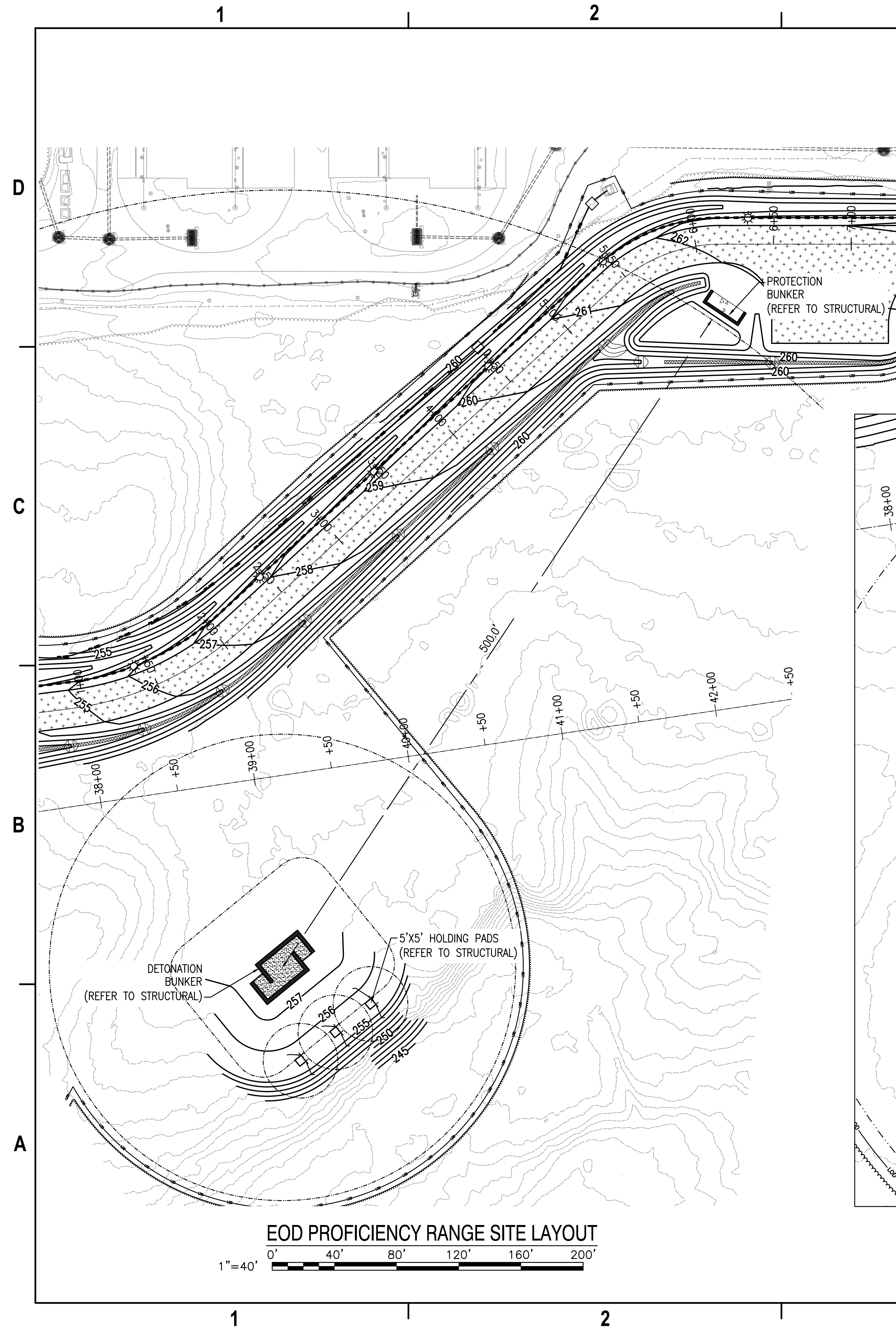
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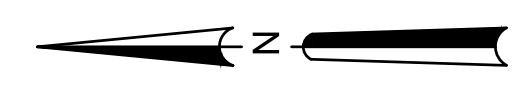
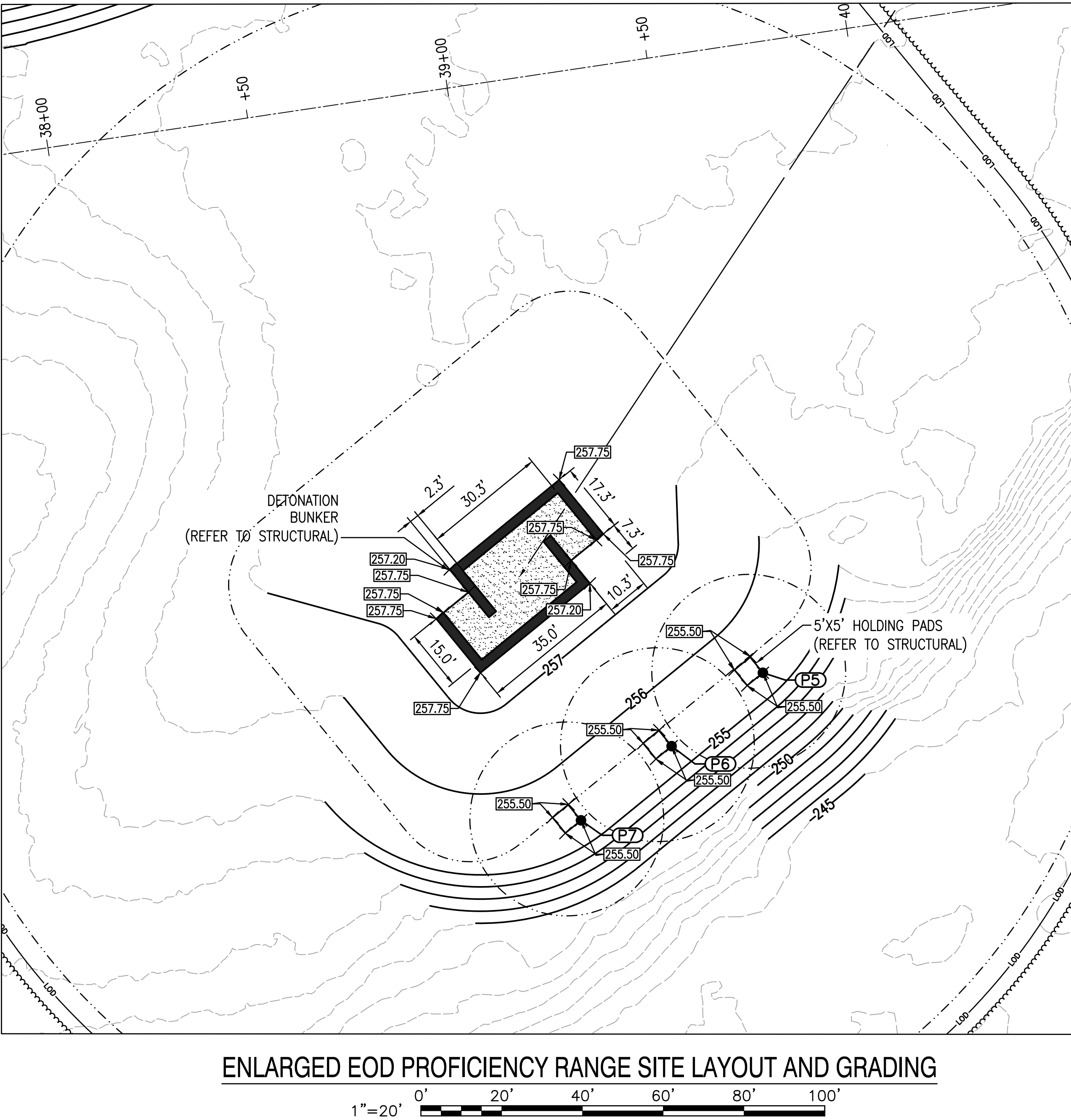
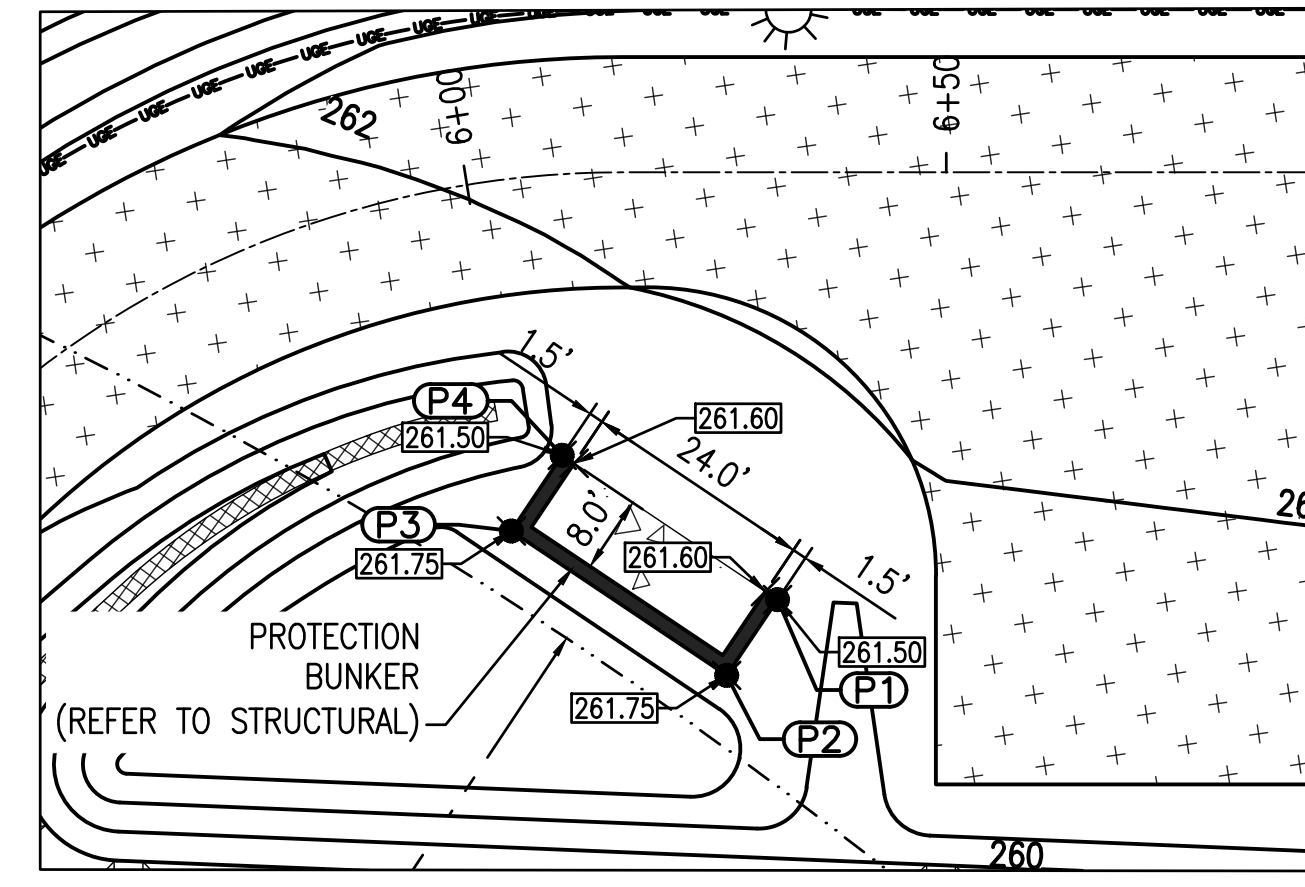
Jennifer Bless

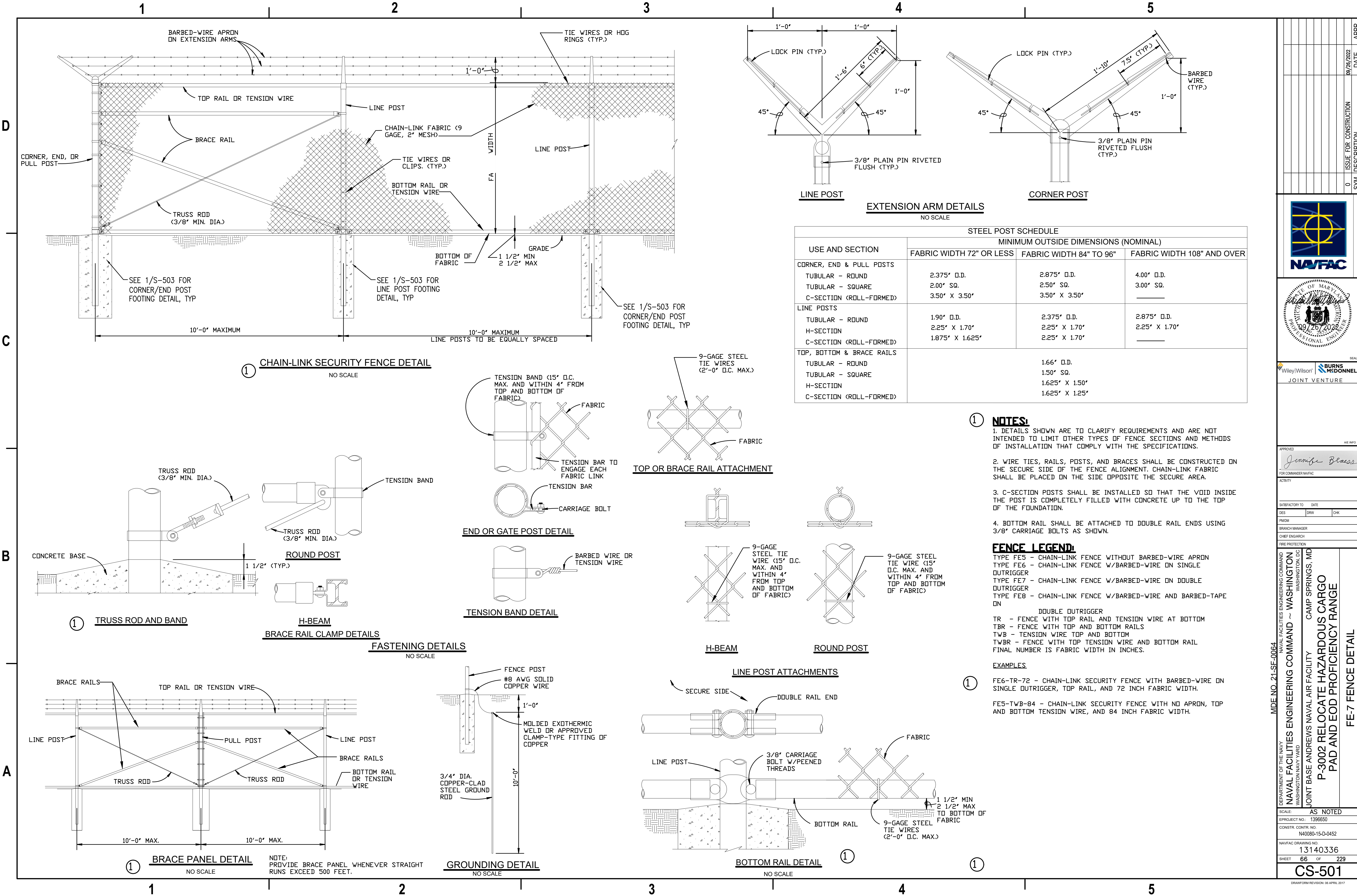
FOR COMMANDER NAVFAC





BUILDING POINTS			
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2	P2	409037.10	1352713.07
3	P3	409059.52	1352728.11
4	P4	409054.23	1352736.00
5	P5	409269.95	1352276.42
6	P6	409292.55	1352258.25
7	P7	409314.99	1352239.88

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APPR	DATE	30/06/2022
SYM	DESCRIPTION	0 - ISSUE FOR CONSTRUCTION

Wiley|Wilson
BURNS
MCDONNELL
JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

SATISFACTORY TO DATE

DES: []
DRA: []
CHK: []

PHOTO: []

BRANCH MANAGER: []

CHIEF ENGINEER: []

FIRE PROTECTION: []

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON DC
NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DC
WASHINGTON DC
JOINT BASE ANDREWS NAVAL AIR FACILITY
CAMP SPRINGS, MD
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
FE-7 FENCE DETAIL

SCALE: AS NOTED

EPROJCT NO.: 1396550

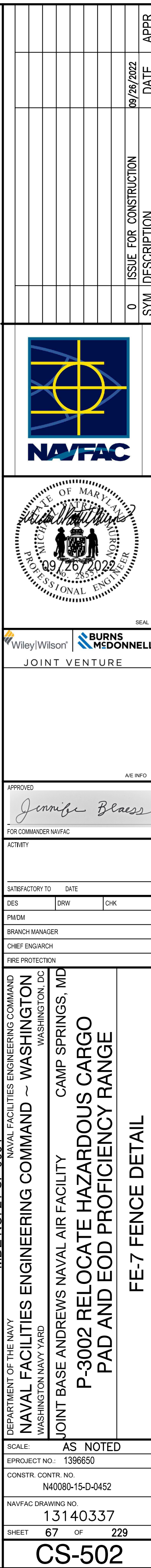
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NAVFAC DRAWING NO. 13140336

SHEET 66 OF 229

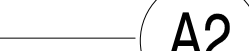
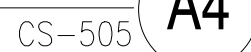
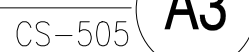
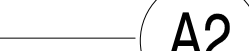
CS-501

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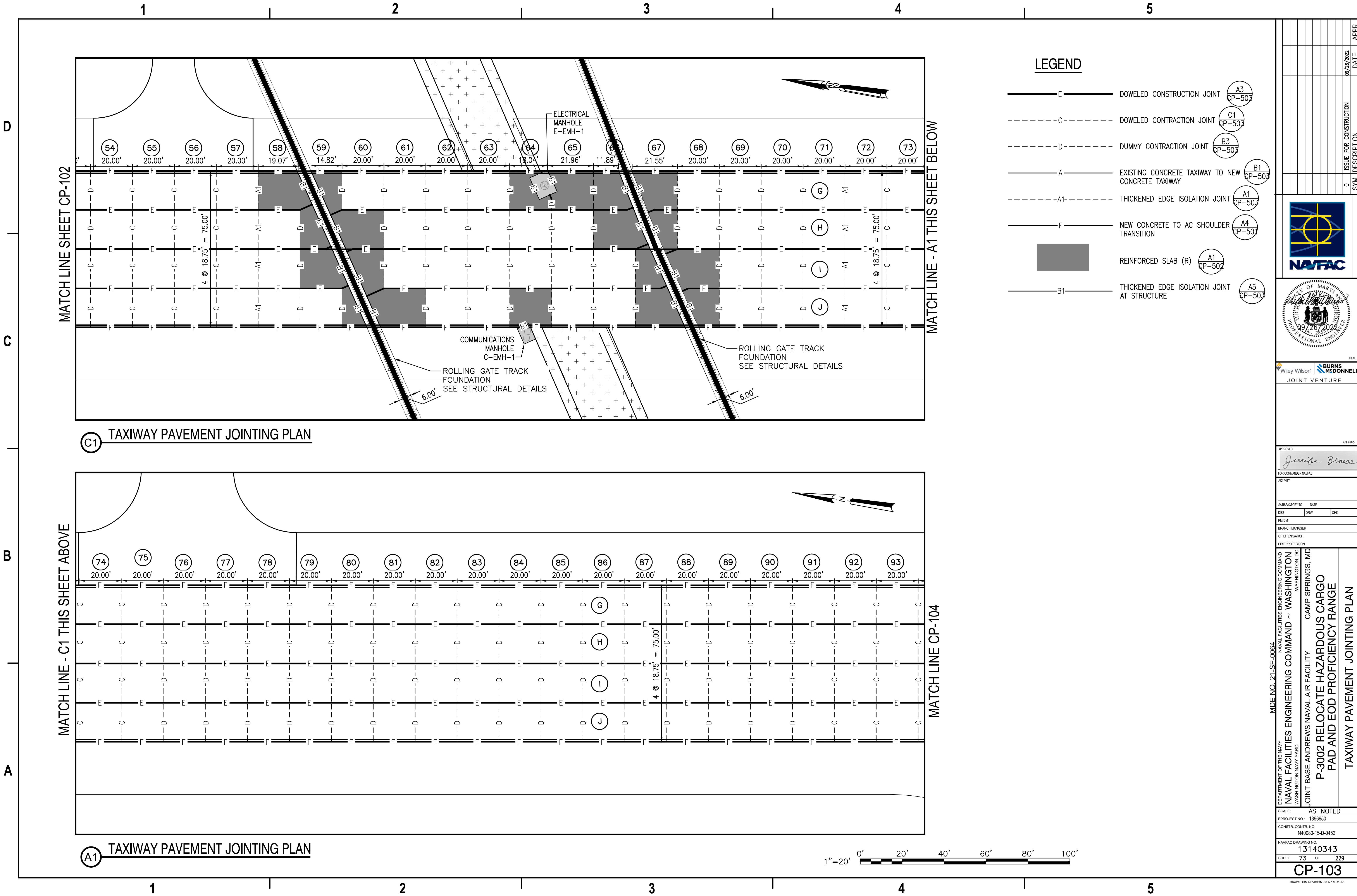


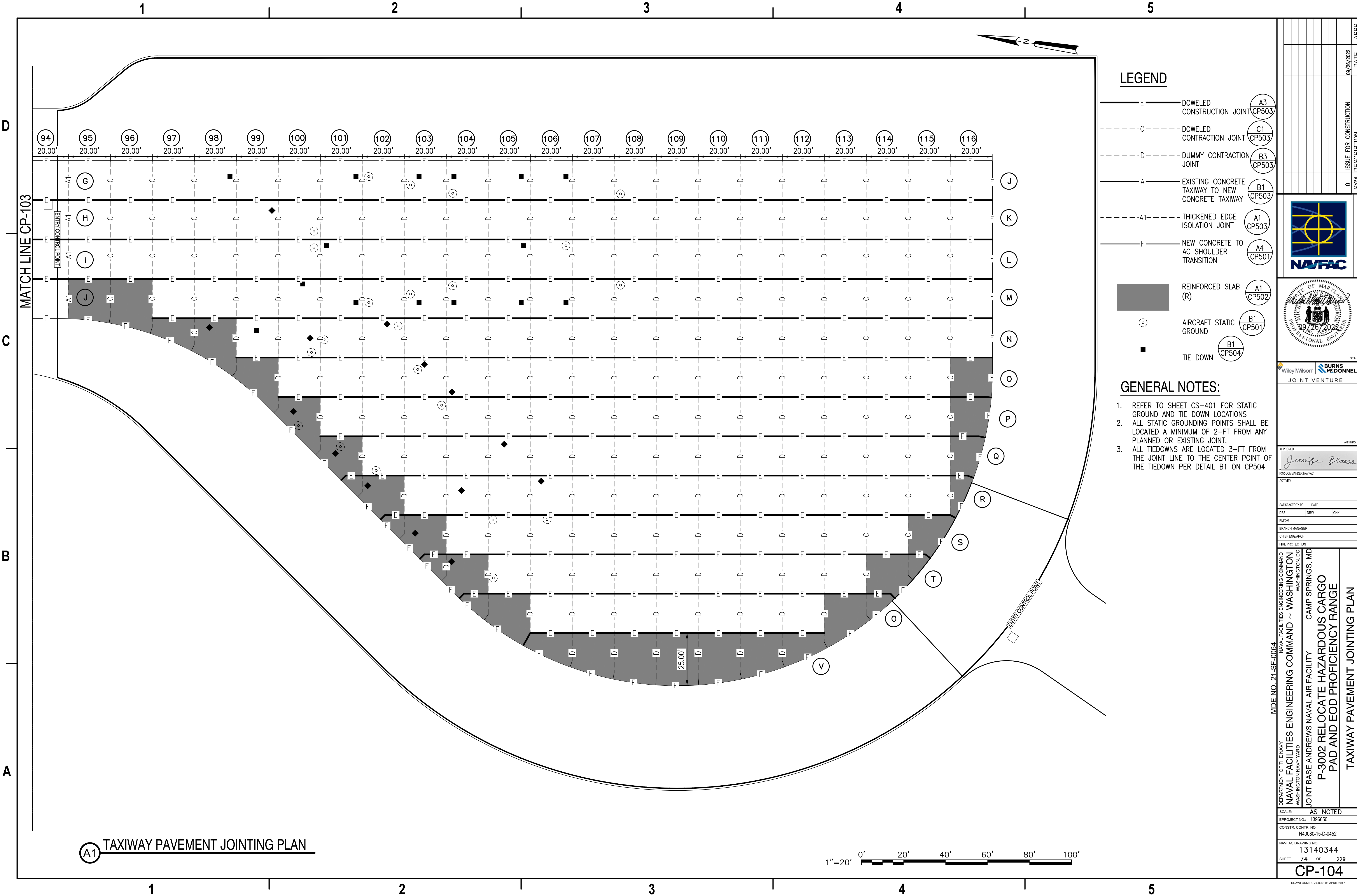


CS-505 (AI



CS-505





(A1) TAXIWAY PAVEMENT JOINTING PLAN

LEGEND

- E DOWELED CONSTRUCTION JOINT (A3 CP503)
- C DOWELED CONTRACTION JOINT (C1 CP503)
- D DUMMY CONTRACTION JOINT (B3 CP503)
- A EXISTING CONCRETE TAXIWAY TO NEW CONCRETE TAXIWAY (B1 CP503)
- A1 THICKENED EDGE ISOLATION JOINT (A1 CP503)
- F NEW CONCRETE TO AC SHOULDER TRANSITION (A4 CP501)
- REINFORCED SLAB (R) (A1 CP502)
- AIRCRAFT STATIC GROUND (B1 CP501)
- TIE DOWN (B1 CP504)

GENERAL NOTES:

- REFER TO SHEET CS-401 FOR STATIC GROUND AND TIE DOWN LOCATIONS
- ALL STATIC GROUNDING POINTS SHALL BE LOCATED A MINIMUM OF 2-FT FROM ANY PLANNED OR EXISTING JOINT.
- ALL TIEDOWNS ARE LOCATED 3-FT FROM THE JOINT LINE TO THE CENTER POINT OF THE TIEDOWN PER DETAIL B1 ON CP504

DATE		30/06/2022	APPR
DATE		30/06/2022	DATE
SYM DESCRIPTION		0	ISSUE FOR CONSTRUCTION
WileyWilson BURNS & MCDONNELL JOINT VENTURE			
APPROVED Jennifer Bless			
ACTIVITY			
SATISFACTORY TO DATE			
DES DESIGN CHK			
PROJECT MANAGER			
CHIEF ENGINEER			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON DC JOINT BASE ANDREWS NAVAL AIR FACILITY CAMP SPRINGS, MD P-3002 RELOCATE HAZARDOUS CARGO PAD AND EOD PROFICIENCY RANGE TAXIWAY PAVEMENT JOINTING PLAN			
SCALE: AS NOTED			
PROJECT NO.: 1396550			
CONSTR. CONTR. NO. N40080-15-D-0452			
NAVFAC DRAWING NO. 13140344			
SHEET 74 OF 229			
CP-104			
DRAWING REVISION: 06 APRIL 2017			

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C

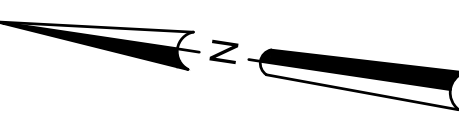
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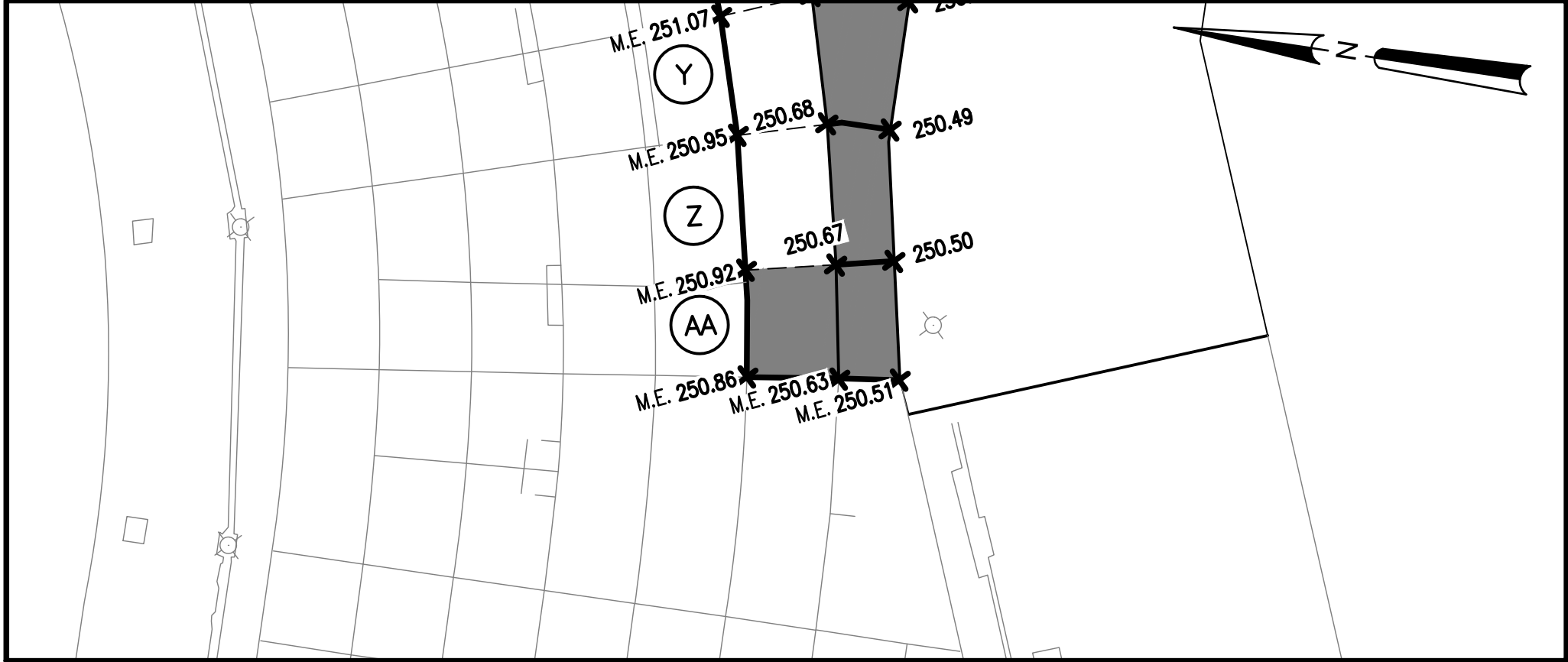
LEGEND

- M.E. MATCH EXISTING PAVEMENT ELEVATION
- REINFORCED SLAB (R) A1 CP502



MATCHLINE SHEET CP-112

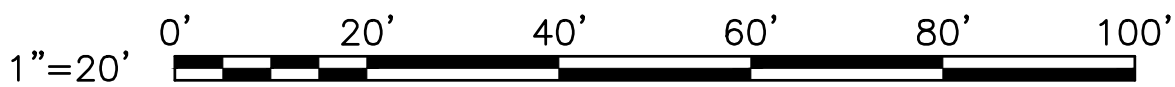
MATCH LINE A1 THIS SHEET



B4 TAXIWAY PAVEMENT JOINT ELEVATION PLAN

MATCH LINE C4 THIS SHEET

A1 TAXIWAY PAVEMENT JOINT ELEVATION PLAN



APPROVED	DATE	APPR
Jennifer Bless	09/26/2022	
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO DATE		
DES	DRW	CHK
BRANCH MANAGER		
CHIEF ENGINEER		
FIRE PROTECTION		
MDE NO. 21-SF-0064		
NAVAL FACILITIES ENGINEERING COMMAND		
WASHINGTON DC		
CAMP SPRINGS, MD		
P-3002 RELOCATE HAZARDOUS CARGO		
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TAXIWAY PAVEMENT JOINT ELEVATION PLAN		
SCALE: AS NOTED		
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CONSTR. CONTR. NO. N40080-15-D-0452		
NAVFAC DRAWING NO. 13140345		
SHEET 75 OF 229		
CP-111		
DRAWING REVISION: 06 APRIL 2017		

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B

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