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APPR	DATE	09/26/2022
SYM	DESCRIPTION	0 - ISSUE FOR CONSTRUCTION

JOINT VENTURE

APPROVED
Jennifer Blaes
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO	DATE
DES	DRW
CHK	

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

NAVFAC DRAWING NO. 13140351

SHEET 81 OF 229

CP-503

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC
NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
WASHINGTON, DC
CAMP SPRINGS, MD
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
TAXIWAY PAVEMENT JOINT DETAILS

MDE NO. 21-SF-0064
NAVAL FACILITIES ENGINEERING COMMAND

1

2

3

4

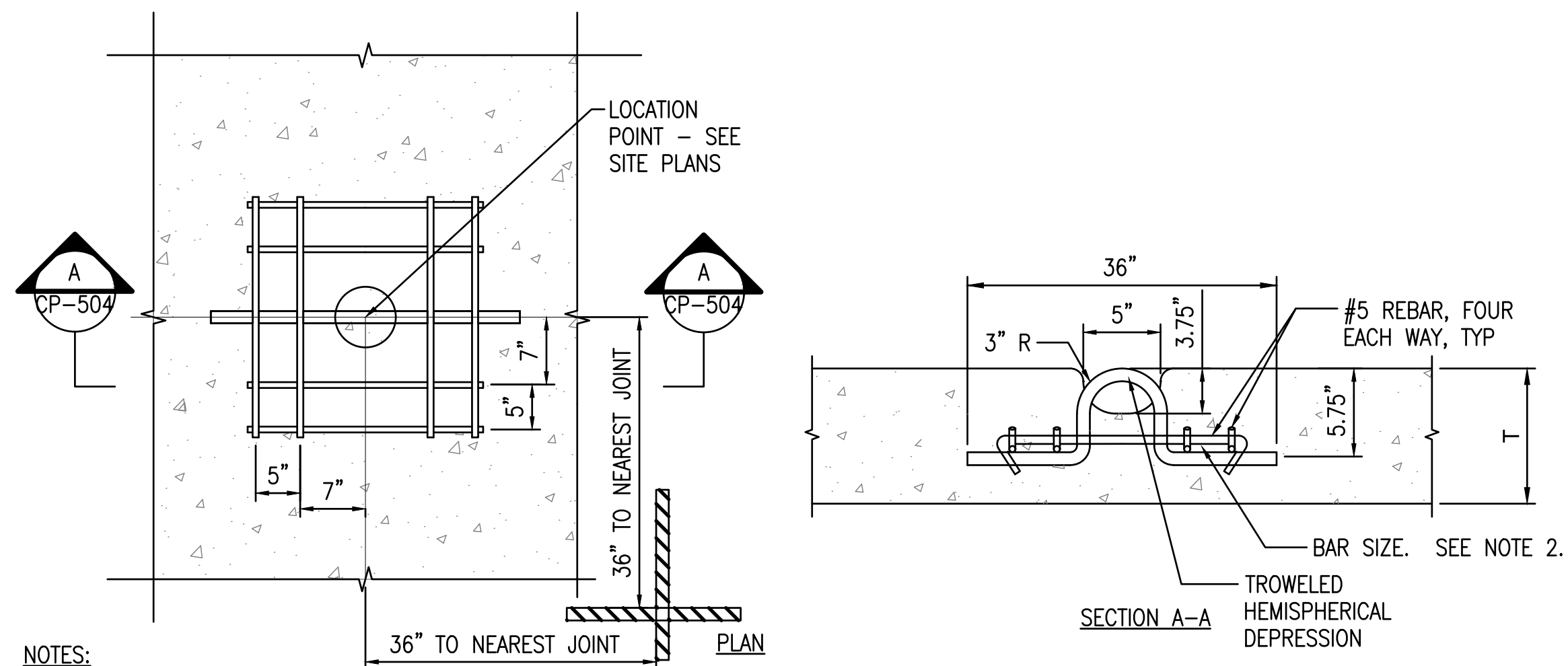
5

D

C

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A



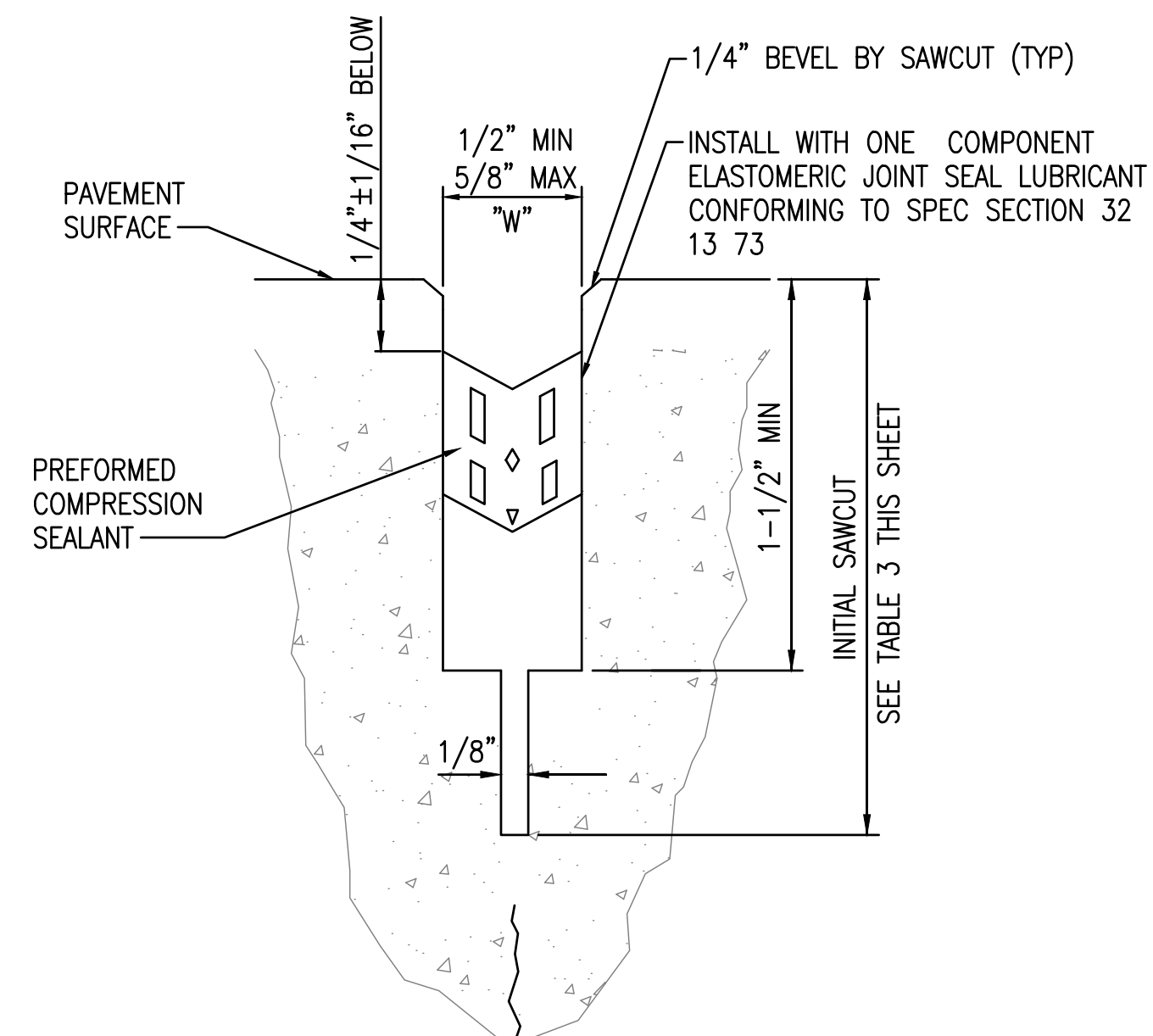
- NOTES:**

 1. MINIMUM DISTANCE FROM TIEDOWN CENTER POINT TO AN UNDOWELED JOINT IS 3.00'. WHEN TIE DOWNS OCCUR 3.00' FROM A SINGLE JOINT, ORIENT BAR PARALLEL WITH THE JOINT. IF CENTER POINT OCCURS 3.00' FROM ADJACENT JOINTS, ORIENT BAR PARALLEL WITH EITHER JOINT.
 2. BAR WILL BE NUMBER 7 (0.875") NON-DEFORMED AISI 8620H STEEL.
 3. THE DEPRESSION FOR THE TIE DOWN UNIT SHALL BE PROVIDED BY A REMOVABLE FORM OF APPROVED DESIGN. WOOD, METAL, OR COMPRESSED PAPER CUP MAY BE USED.

TIE DOWN ANCHOR DETAILS

NOT TO SCALE

B1

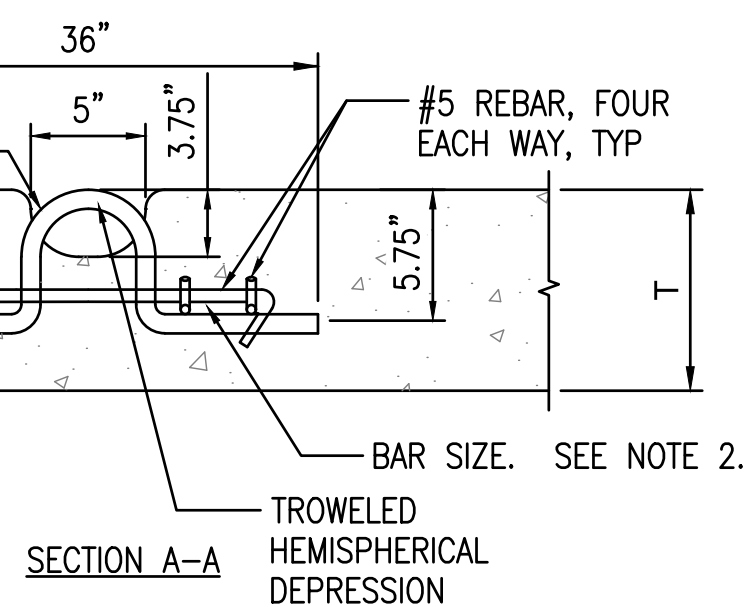


- NOTES:
1. W IS $1/2" \pm 1/16"$ WHEN CONCRETE TEMPERATURE IS 50°F OR ABOVE AT SAWING.
 2. COORDINATE SAWCUT DEPTH AND WIDTH OF JOINT RESERVOIR WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.
 3. ALL AIRFIELD JOINT SEALANT SHALL BE COMPRESSION SEALANT. SEE SPECIFICATION SECTION 32 13 73.

COMPRESSION CONTRACTION JOINT

NOT TO SCALE

A1

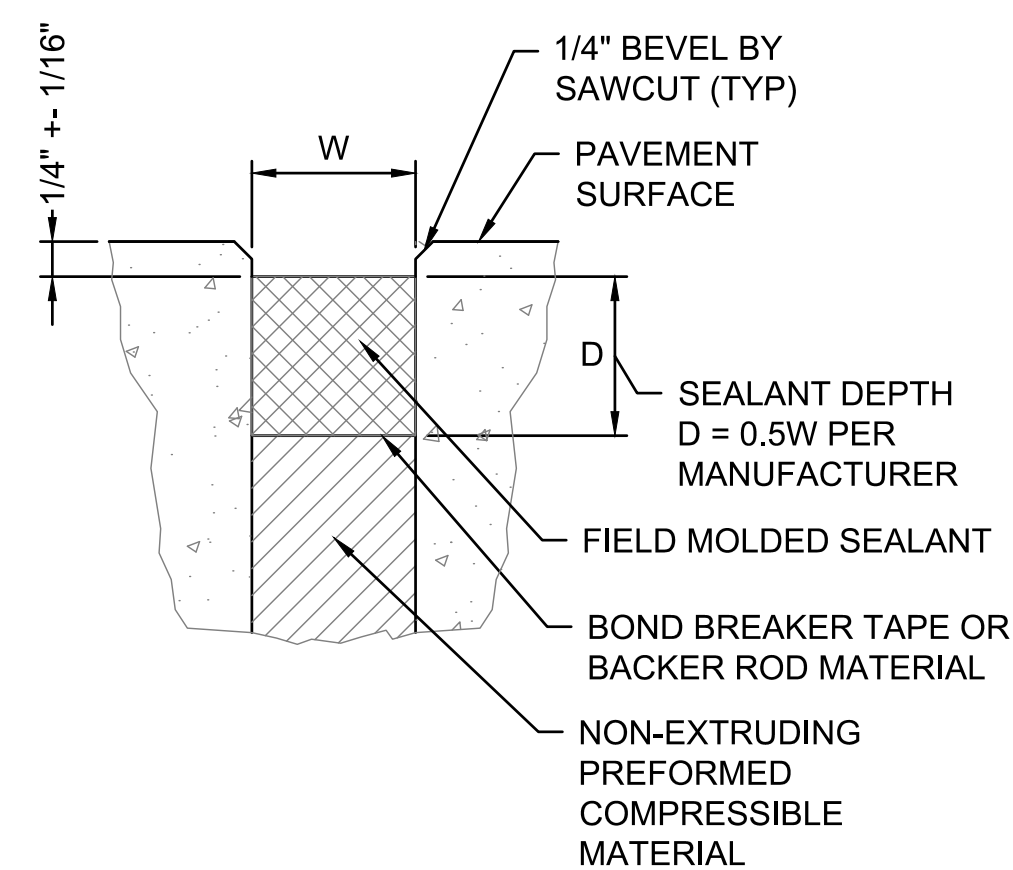


- NOTES:
1. COORDINATE SAWCUT DEPTH AND WIDTH OF JOINT RESERVOIR WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.
 2. ALL AIRFIELD JOINT SEALANT SHALL BE COMPRESSION SEALANT. SEE SPECIFICATION SECTION 32 13 73.

COMPRESSION CONSTRUCTION JOINT

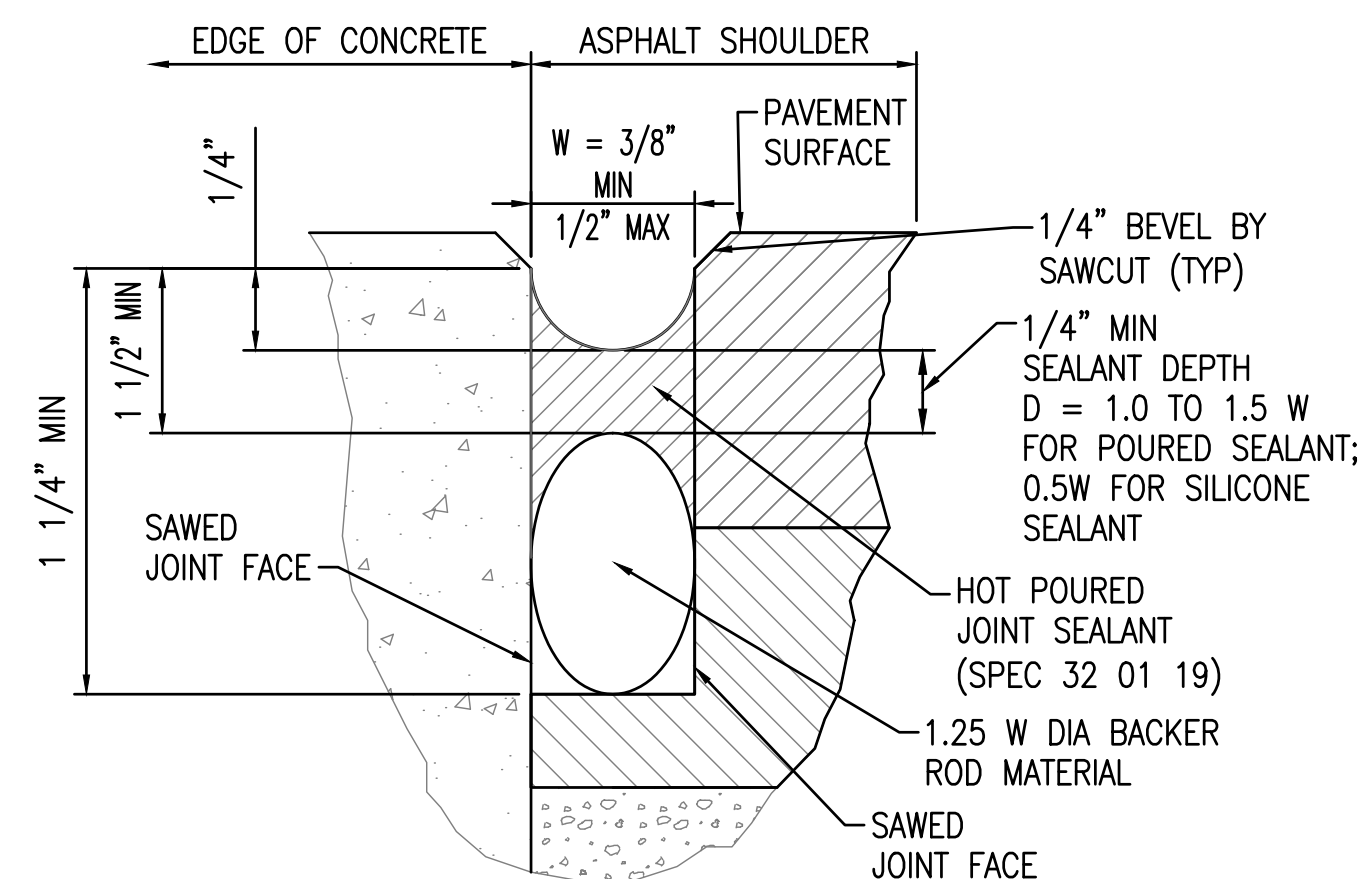
NOT TO SCALE

A2



- NOT TO SCALE

A3



- NOTE:
1. COORDINATE SAWCUT DEPTH AND WIDTH OF JOINT RESERVOIR WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.

PCC TO ASPHALT SHOULDER JOINT SEALANT

NOT TO SCALE

B5

PAVEMENT THICKNESS	DEPTH OF INITIAL SAWCUT
LESS THAN 12"	1/4 SLAB THICKNESS
12" - 18"	3"
MORE THAN 18"	1/6 SLAB THICKNESS

COORDINATE PROCEDURE FOR OVERSAW DEPTH
PER SPECIFICATION SECTION 32 13 14.13.

[illegible]

JOINT VENTURE

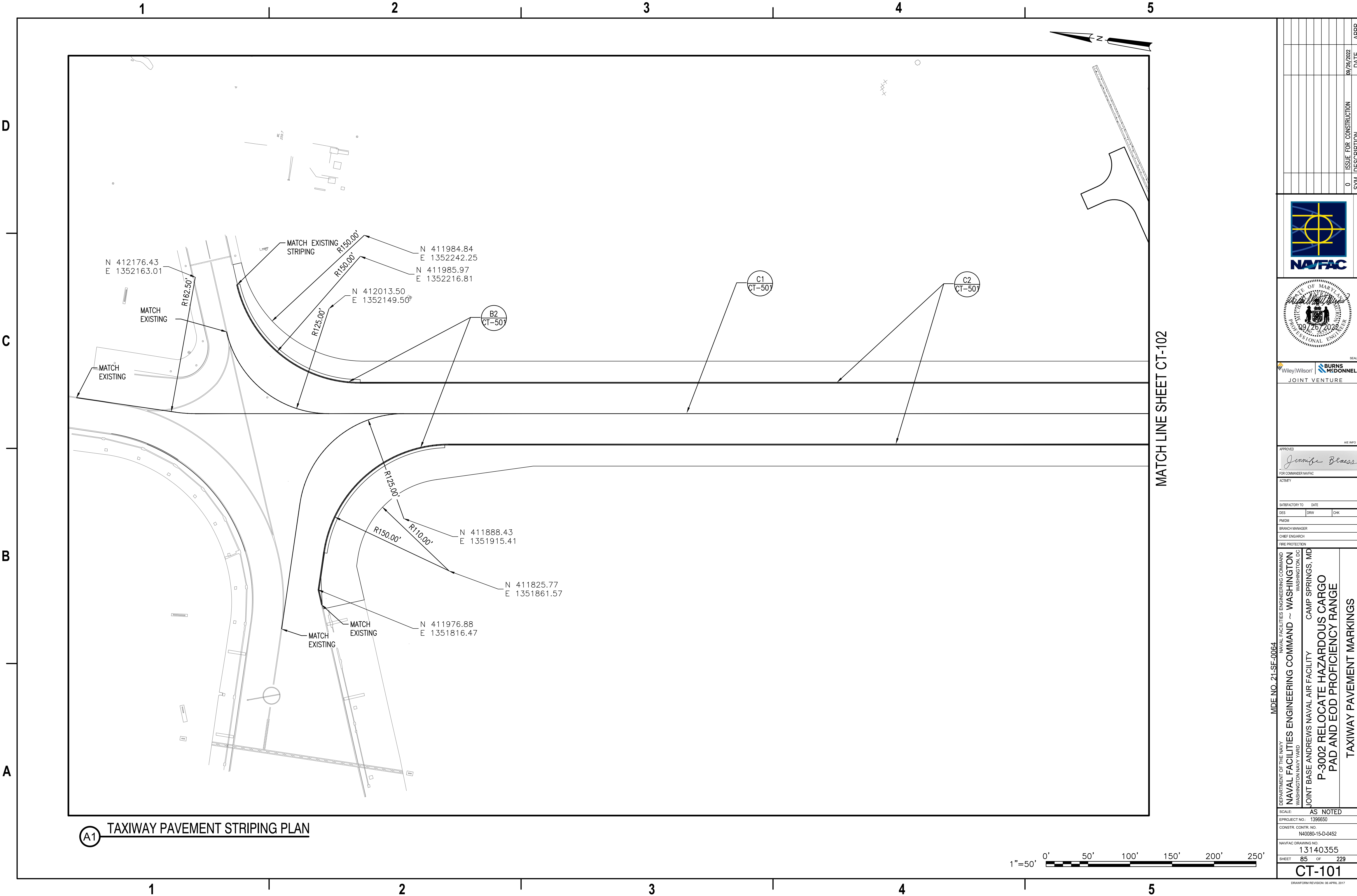
APPROVED
Jennife Blaess
FOR COMMANDER NAVFAC

ACTIVITY		
SATISFACTORY TO DATE		
DES	DRW	CHK
PMDM		
BRANCH MANAGER		
CHIEF ENG/ARCH		
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
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
TAXIWAY PAVEMENT JOINTS AND DETAILS

SCALE:	AS NOTED	
EPROJECT NO.:	1396650	
CONSTR. CONTR. NO.	N40080-15-D-0452	
NAVFAC DRAWING NO.	13140352	
SHEET	82	OF 229
CP-504		

DRAWFORM REVISION: 06 APRIL 2017



(A1) TAXIWAY PAVEMENT STRIPING PLAN

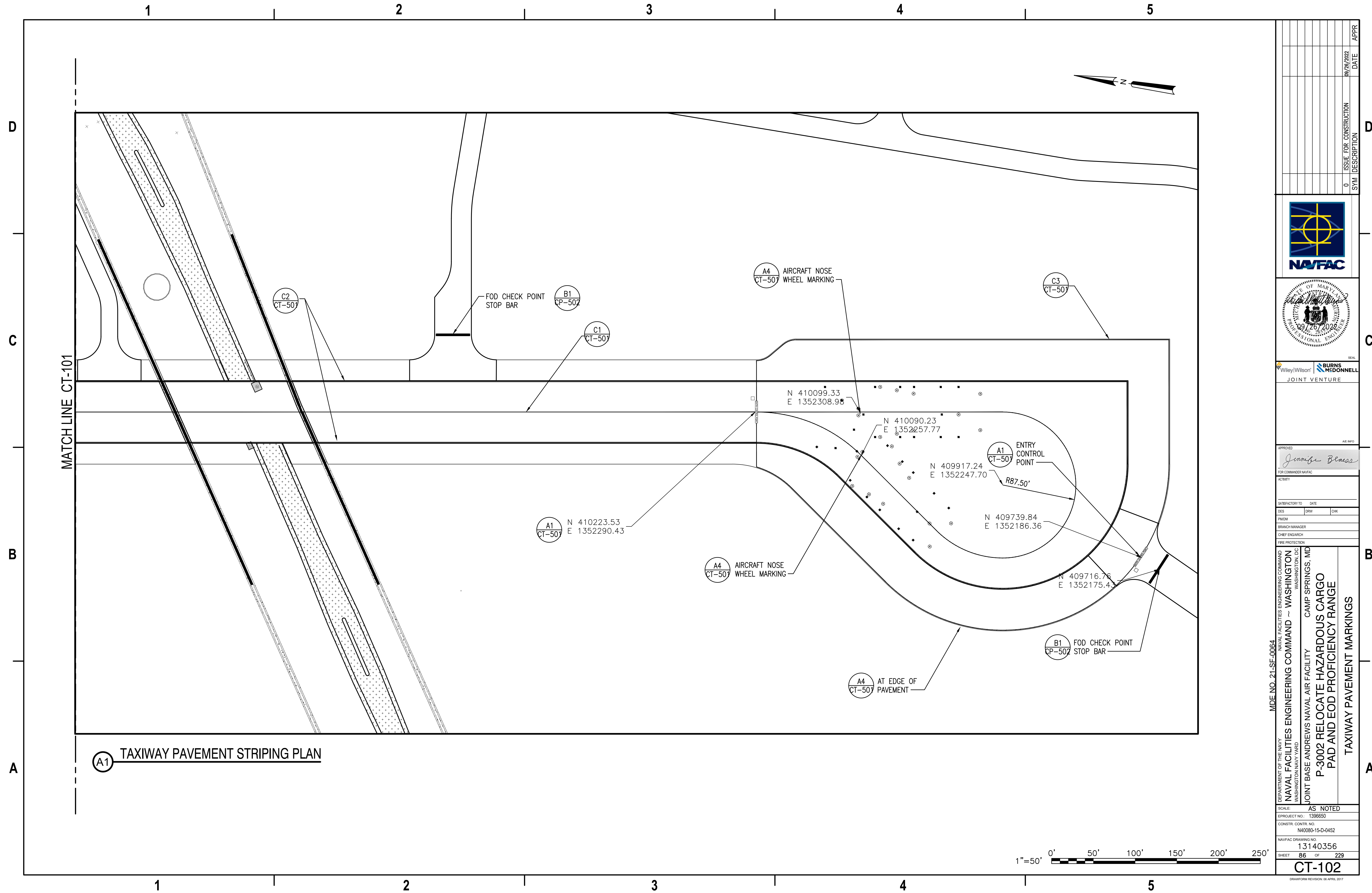
MATCH LINE SHEET CT-102

DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND		NAVAL FACILITIES ENGINEERING COMMAND	
WASHINGTON NAVY YARD		WASHINGTON, DC		WASHINGTON, DC	
JOINT BASE ANDREWS NAVAL AIR FACILITY		CAMP SPRINGS, MD		CAMP SPRINGS, MD	
P-3002 RELOCATE HAZARDOUS CARGO		PAD AND EOD PROFICIENCY RANGE		TAXIWAY PAVEMENT MARKINGS	
NAVFAC DRAWING NO.		13140355		SHEET 85 OF 229	
CONSTR. CONTR. NO.		N40080-15-D-0452		NAVFAC DRAWING NO.	
EPROJCT NO.:		1396650		SCALE: AS NOTED	
DATE		09/26/2022		DATE	
ISSUE FOR CONSTRUCTION		SYM DESCRIPTION		APPR	
0					

APPROVED: *Jennifer Bless*
FOR COMMANDER NAVFAC

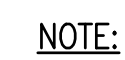
ACTIVITY: FIRE PROTECTION

CHIEF ENGINEER:
BRANCH MANAGER:
PATM:
DES:
SATSFACTORY TO:
DATE:
CHK:
AE INFO:

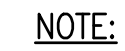




- RESTRICTED AREA PAVEMENT SIGN**
NOT TO SCALE



- ENTRY CONTROL POINT (ECP) A1
NOT TO SCALE



- ## TAXIWAY/HCP APRON EDGE MARKING



- RESTRICTED BOUNDARY MARKING (RED LINE)**
- NOT TO SCALE
- C3

DRAWFORM REVISION: 06 APRIL 2017



- XX-XXX



XX-XXX

MDEN0, 21-SF-0064
NAVAL FACILITIES ENGINEERING COMMAND

MDE NO. 21-SF-0064

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON

WASHINGTON NAVY YARD
WASHINGTON, DC

JOINT BASE ANDREWS NAVAL AIR FACILITY
CAMP SPRINGS, MD

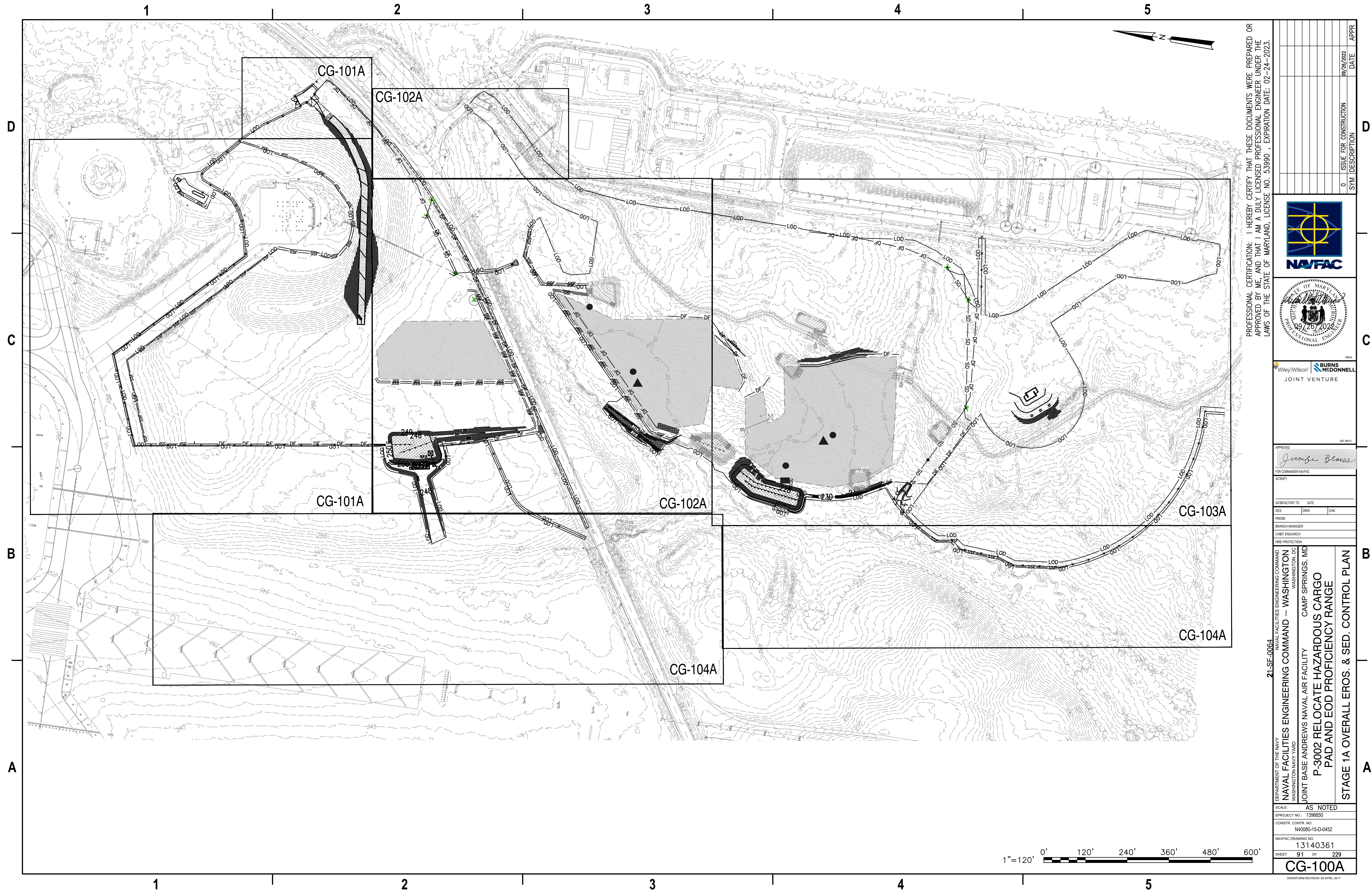
**P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE**

TRAFFIC CONTROL DEVICES DETAILS

SCALE:	AS NOTED	
EPROJECT NO.:	1396650	
CONSTR. CONTR. NO.	N40080-15-D-0452	
NAVFAC DRAWING NO.	13140360	
SHEET	90	OF 2

CT-502

DRAWING RELEASED ON APRIL 2, 2014



STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

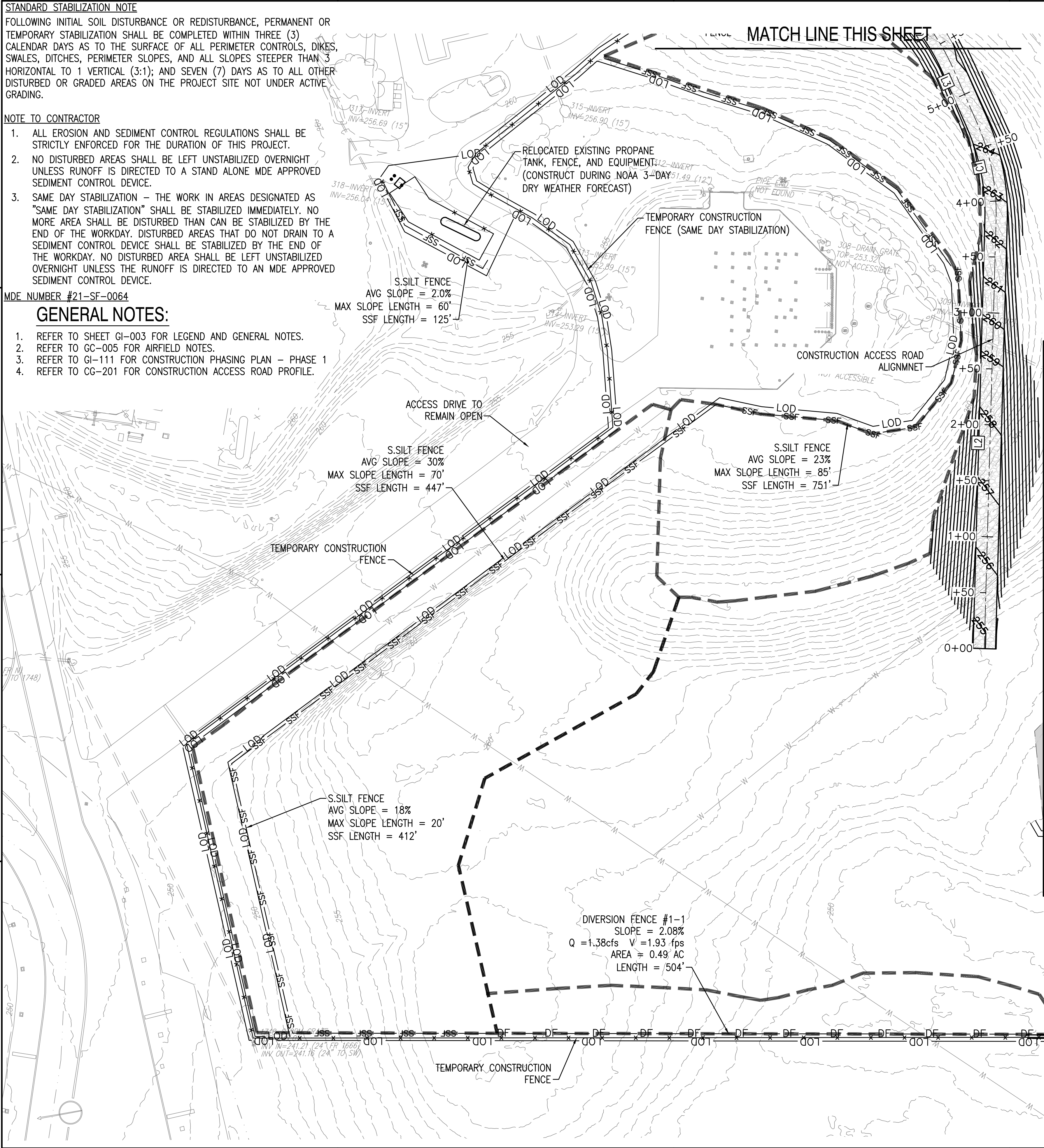
NOTE TO CONTRACTOR

- ALL EROSION AND SEDIMENT CONTROL REGULATIONS SHALL BE STRICTLY ENFORCED FOR THE DURATION OF THIS PROJECT.
- NO DISTURBED AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A STAND ALONE MDE APPROVED SEDIMENT CONTROL DEVICE.
- SAME DAY STABILIZATION – THE WORK IN AREAS DESIGNATED AS "SAME DAY STABILIZATION" SHALL BE STABILIZED IMMEDIATELY. NO MORE AREA SHALL BE DISTURBED THAN CAN BE STABILIZED BY THE END OF THE WORKDAY. DISTURBED AREAS THAT DO NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED BY THE END OF THE WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN MDE APPROVED SEDIMENT CONTROL DEVICE.

MDE NUMBER #21-SF-0064

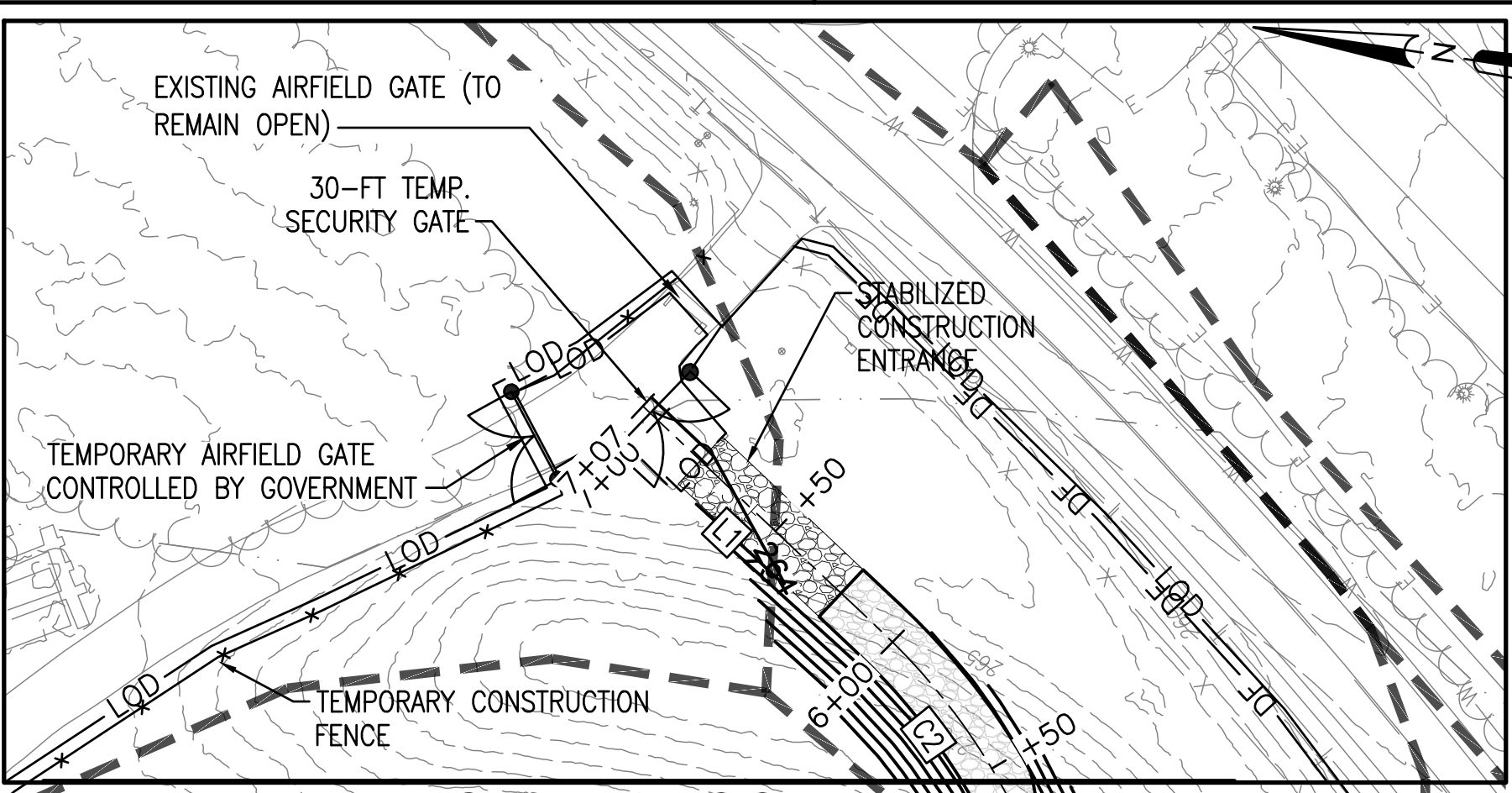
GENERAL NOTES:

- REFER TO SHEET GI-003 FOR LEGEND AND GENERAL NOTES.
- REFER TO GC-005 FOR AIRFIELD NOTES.
- REFER TO GI-111 FOR CONSTRUCTION PHASING PLAN – PHASE 1
- REFER TO CG-201 FOR CONSTRUCTION ACCESS ROAD PROFILE.



MATCH LINE THIS SHEET

MATCH LINE SHEET CG-102A



MATCH LINE THIS SHEET

MDE EROSION AND SEDIMENT CONTROL
STANDARD SYMBOLS

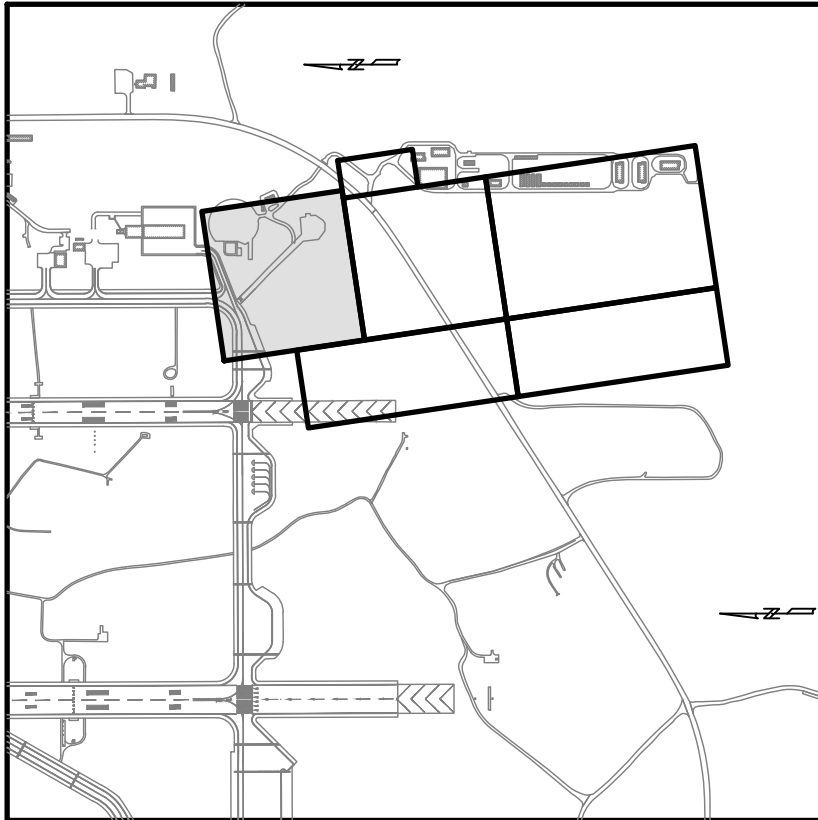
ROCK OUTLET PROTECTION III	ROPIII
DIVERSION FENCE	DF
GABION INFLOW PROTECTION	GP
GABION INLET PROTECTION	GIP
SUPER SILT FENCE	SSF
TEMPORARY SOIL STABILIZATION MATting SLOPE	TSSMS-lb/ft ² (INCLUDE SHEAR STRESS)
EARTH DIKE	A-2
LIMIT OF DISTURBANCE	LOD

LEGEND:

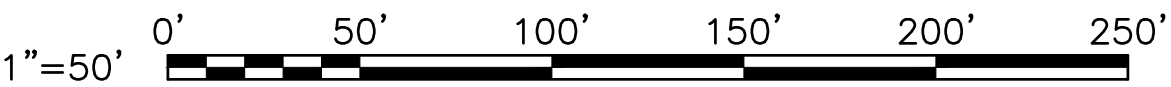
--- DRAINAGE AREA DIVIDE LINE

CONSTRUCTION ACCESS ROAD CURVE TABLE									
CURVE #	DELTA	TANGENT	LENGTH	RADIUS	PC	PI	PT	V (MPH)	E
C2	22°57'34"	40.62	80.14	200.00	STA 5+24.70 N=411371.14 E=1352722.07	STA=5+65.31 N=411392.79 E=1352756.43	STA=6+04.84 N=411426.14 E=1352779.62	25	NC
C1	25°17'55"	44.89	88.31	200.00	STA 3+83.38 N=411313.53 E=1352594.70	STA=4+28.27 N=411318.94 E=1352639.26	STA=4+71.69 N=411342.87 E=1352677.23	25	NC

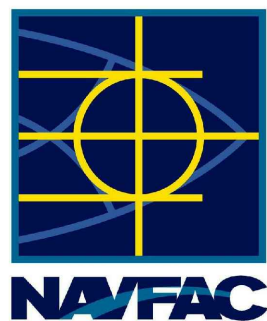
CONSTRUCTION ACCESS ROAD LINE TABLE		
LINE #	LENGTH	BEARING
L1	101.667	N34°49'04"E
L3	53.004	N57°46'37"E
L2	383.385	N83°04'32"E



KEY PLAN



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/Wilsons
BURNS
MCDONNELL
JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DESIGNER
DRAWN
CHK

PROJECT MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON NAVY YARD

WASHINGTON DC

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

STAGE 1A EROSION & SEDIMENT CONTROL PLAN

MDE NO. 21-SF-0064

SCALE: AS NOTED

PROJECT NO.: 139650

CONSTR. CONTR. NO.

N40080-15-D-0452

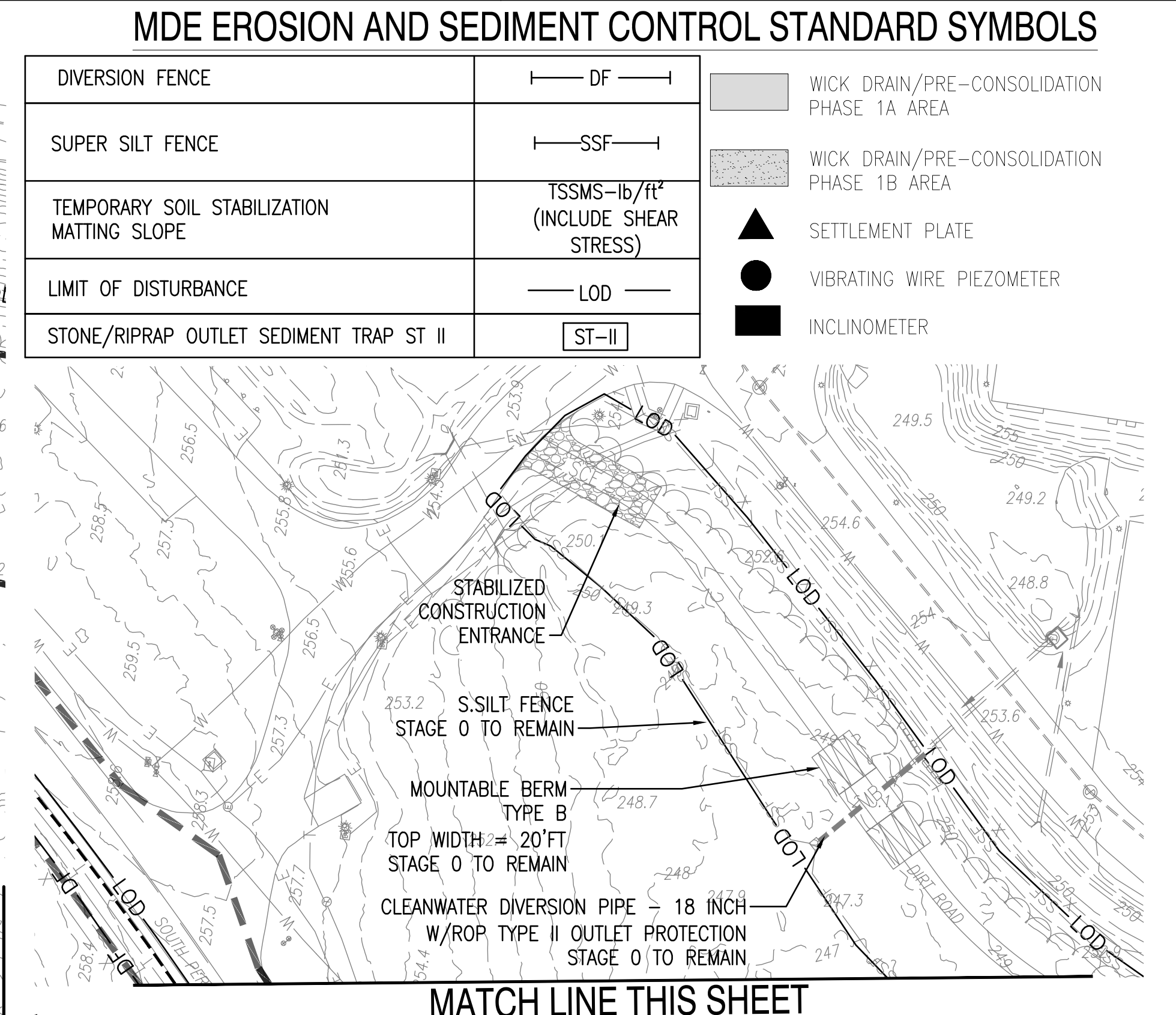
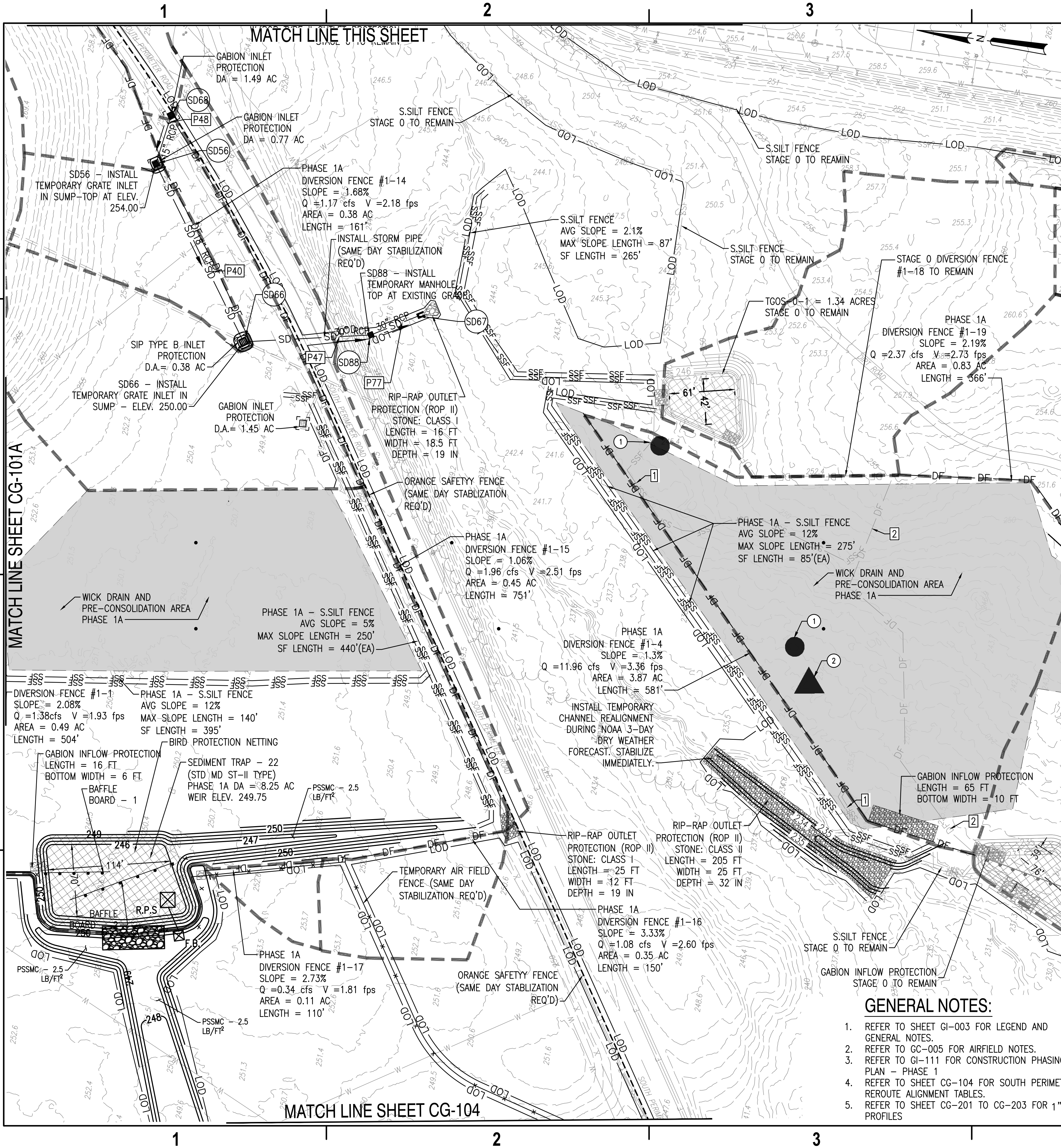
NAVFAC DRAWING NO.

13140362

SHEET 92 OF 229

CG-101A

DRAWING REVISION: 06 APRIL 2017



- ESC KEYNOTES:**
- 1 REMOVE STAGE 0 S.SILT FENCE FOLLOWING THE INSTALLATION OF DOWNSTREAM PHASE 1A S.SILT FENCE. AUTHORIZATION FROM MDE INSPECTOR IS REQUIRED PRIOR TO THE REMOVAL OF THE S.SILT FENCE.
 - 2 REMOVE STAGE 0 DIVERSION FENCE FOLLOWING THE INSTALLATION OF DOWNSTREAM PHASE 1A DIVERSION FENCE. AUTHORIZATION FROM MDE INSPECTOR IS REQUIRED PRIOR TO THE REMOVAL OF DIVERSION FENCE.
- LEGEND:**
- 1 INSTALL PHASE 1A VIBRATING WIRE PIEZOMETER.
- 2 INSTALL PHASE 1A SETTLEMENT PLATE.

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. 28557, EXPIRATION DATE: 04-01-2023.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

NOTE TO CONTRACTOR

1. ALL EROSION AND SEDIMENT CONTROL REGULATIONS SHALL BE STRICTLY ENFORCED FOR THE DURATION OF THIS PROJECT.
2. NO DISTURBED AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A STAND ALONE MDE APPROVED SEDIMENT CONTROL DEVICE.
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GENERAL NOTES:

1. REFER TO SHEET GI-003 FOR LEGEND AND GENERAL NOTES.
2. REFER TO GC-005 FOR AIRFIELD NOTES.
3. REFER TO GI-111 FOR CONSTRUCTION PHASING PLAN - PHASE 1
4. REFER TO SHEET CG-104 FOR SOUTH PERIMETER REROUTE ALIGNMENT TABLES.
5. REFER TO SHEET CG-201 TO CG-203 FOR 1"=50' PROFILES

KEY PLAN

APPROVED	DATE	APPR
Jennifer Bless	09/26/2022	
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO DATE		
DES	DRW	CHK
PHD/M		
BRANCH MANAGER		
CHIEF ENGINEER		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	WASHINGTON DC
NAVAL FACILITIES ENGINEERING COMMAND	WASHINGTON DC	CAMP SPRINGS, MD
JOINT BASE ANDREWS NAVAL AIR FACILITY		
P-3002 RELOCATE HAZARDOUS CARGO		
PAD AND EOD PROFICIENCY RANGE		
STAGE 1A EROSION & SEDIMENT CONTROL PLAN		
SCALE: AS NOTED		
PROJECT NO.: 1396650		
CONSTR. CONTR. NO. N40080-15-D-0452		
NAVFAC DRAWING NO. 13140363		
SHEET 93 OF 229		
CG-102A		
DRAWING REVISION: 08 APRIL 2017		

GENERAL NOTES:

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

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

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MDE NUMBER #21-SF-0064

CLEARING AND GRUBBING LOCATED BETWEEN DIVERSION FENCE AND LOD SHALL BE COMPLETED DURING NOAA 3-DAY DRY-WEATHER FORECAST AND STABILIZED IMMEDIATELY.

DIVERSION FENCE #1-6
SLOPE = 2.63%
Q = 1.51 cfs V = 2.56 fps
AREA = 0.49 AC
LENGTH = 380'

STAGE 0: SD4 - INSTALL TEMPORARY GRATE INLET IN SUMP-TOP AT ELEV. 252.00

DIVERSION FENCE #1-10
SLOPE = 3.95%
Q = 0.83 cfs V = 2.59 fps
AREA = 0.27 AC
LENGTH = 76'

DIVERSION FENCE #1-11
SLOPE = 4.32%
Q = 0.31 cfs V = 2.09 fps
AREA = 0.10 AC
LENGTH = 81'

DIVERSION FENCE #1-18
SLOPE = 6.58%
Q = 0.03 cfs V = 1.41 fps
AREA = 0.01 AC
LENGTH = 38'

DIVERSION FENCE #1-20
SLOPE = 5.0%
Q = 8.63 cfs V = 5.08 fps
AREA = 2.83 AC
LENGTH = 100'

SD6 - INSTALL TEMPORARY GRATE INLET IN SUMP-TOP AT ELEV. 249.00

GABION INLET PROTECTION
DA = 1.07 AC

DIVERSION FENCE #1-8
SLOPE = 10.00%
Q = 0.59 cfs V = 3.38 fps
AREA = 0.19 AC
LENGTH = 160'

SD 7: STAGE 1 - PROVIDE TEMPORARY MANHOLE FRAME TO MATCH EXISTING GRADE (ELEVATION 239.59)

ROP TYPE II
LENGTH = 29 FT
WIDTH = 34 FT
THICKNESS = 1.6 FT
CLASS I RIPRAP

TEMPORARY SWALE - 1
DA = 9.53 AC
BOTTOM WIDTH = 2 FT
DEPTH = 3 FT
Q2 = 28.41 CFS
V2 = 3.83 FPS

SEDIMENT TRAP - 20
(STD MD ST II TYPE)
STG1 DA = 9.86 AC
WEIR ELEV. 228.50

SEDIMENT TRAP - 21
(STD MD ST II TYPE)
STG 1 DA = 3.96 AC
WEIR ELEV. 234.50

GABION INFLOW PROTECTION
STAGE 0 TO REMAIN

S.SILT FENCE
AVG SLOPE = 5%
MAX SLOPE LENGTH = 50'
SF LENGTH = 45'

GABION INFLOW PROTECTION
LENGTH = 28 FT
BOTTOM WIDTH = 6 FT

BAFFLE BOARD - 1
BAFFLE BOARD - 2
BIRD PROTECTION NETTING

TSSMS - 2.5 LB/FT²

WICK DRAIN AND PRE-CONSOLIDATION AREA PHASE 1A

KEYNOTES:

- 1 INSTALL PHASE 1A VIBRATING WIRE PIEZOMETER.
- 2 INSTALL PHASE 1A SETTLEMENT PLATE.
- 3 INSTALL PHASE 1A INCLINOMETER.

ESC KEYNOTES:

- 1 REMOVE STAGE 0 DIVERSION FENCE/SILT FENCE/FGOS/MOUNTABLE BERMS FOLLOWING THE INSTALLATION OF SEDIMENT TRAP ST-20 AND TEMPORARY SWALE - 1. AUTHORIZATION FROM MDE INSPECTOR IS REQUIRED PRIOR TO THE REMOVAL OF ESC DEVICE.

LEGEND

- CUT DOWN TREES TO EXISTING GRADE. STUMPS TO REMAIN.
- WICK DRAIN/PRE-CONSOLIDATION PHASE 1A AREA
- SETTLEMENT PLATE
- VIBRATING WIRE PIEZOMETER
- INCLINOMETER

0' 50' 100' 150' 200' 250'

KEY PLAN

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



WileyWilson Burns & McDonnell
JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE
DES
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PHDMM
BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON NAVY YARD

JOINT BASE ANDREWS NAVAL AIR FACILITY
WASHINGTON DC

P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE

STAGE 1A EROSION & SEDIMENT CONTROL PLAN

SCALE: AS NOTED

PROJECT NO.: 1396650

CONSTR. CONTR. NO. N40080-15-D-0452

NAVFAC DRAWING NO. 13140364

SHEET 94 OF 229

CG-103A

DRAWING REVISION: 06 APRIL 2017

STANDARD STABILIZATION NOTE

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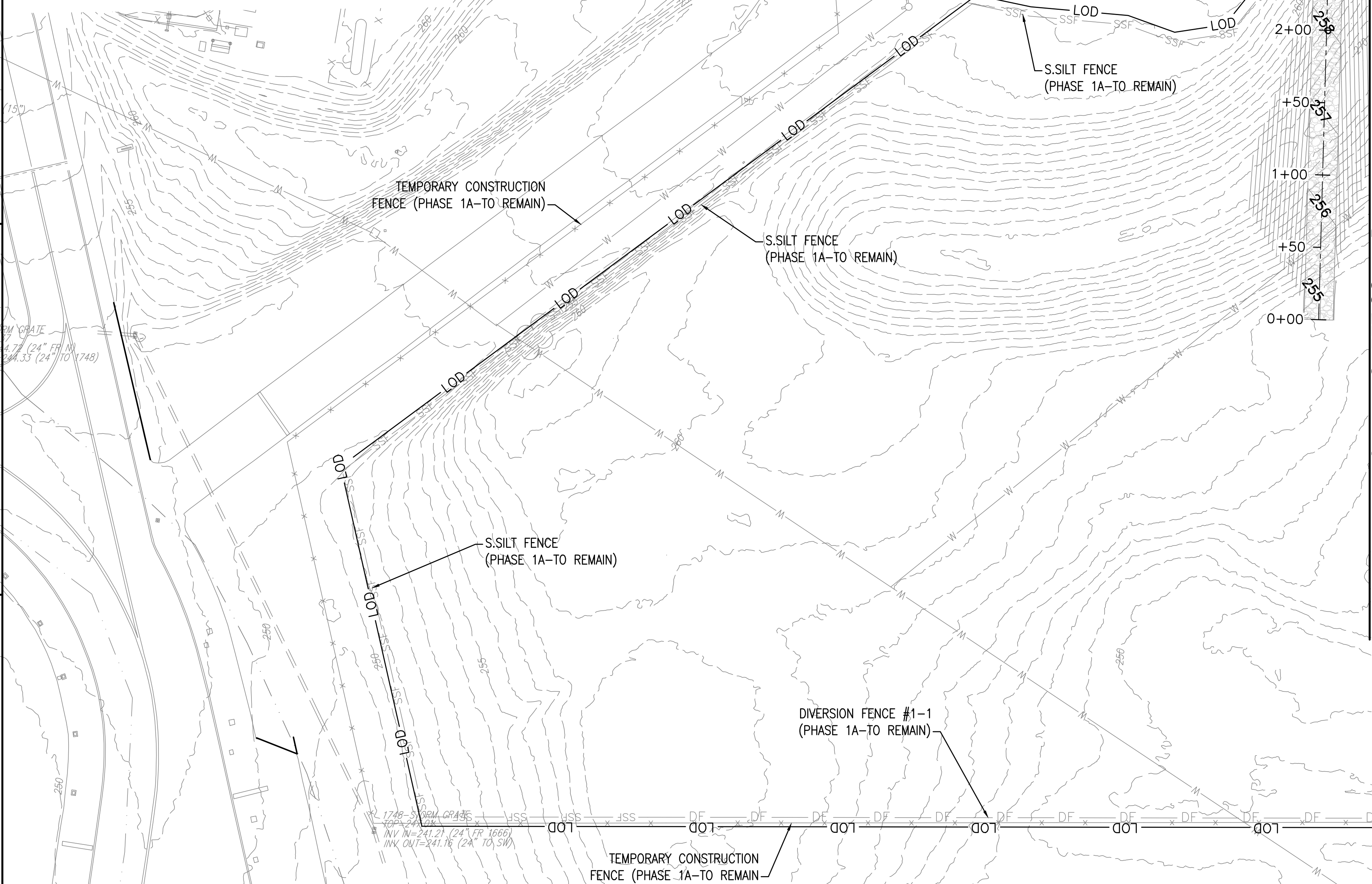
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MDE NUMBER #21-SF-0064

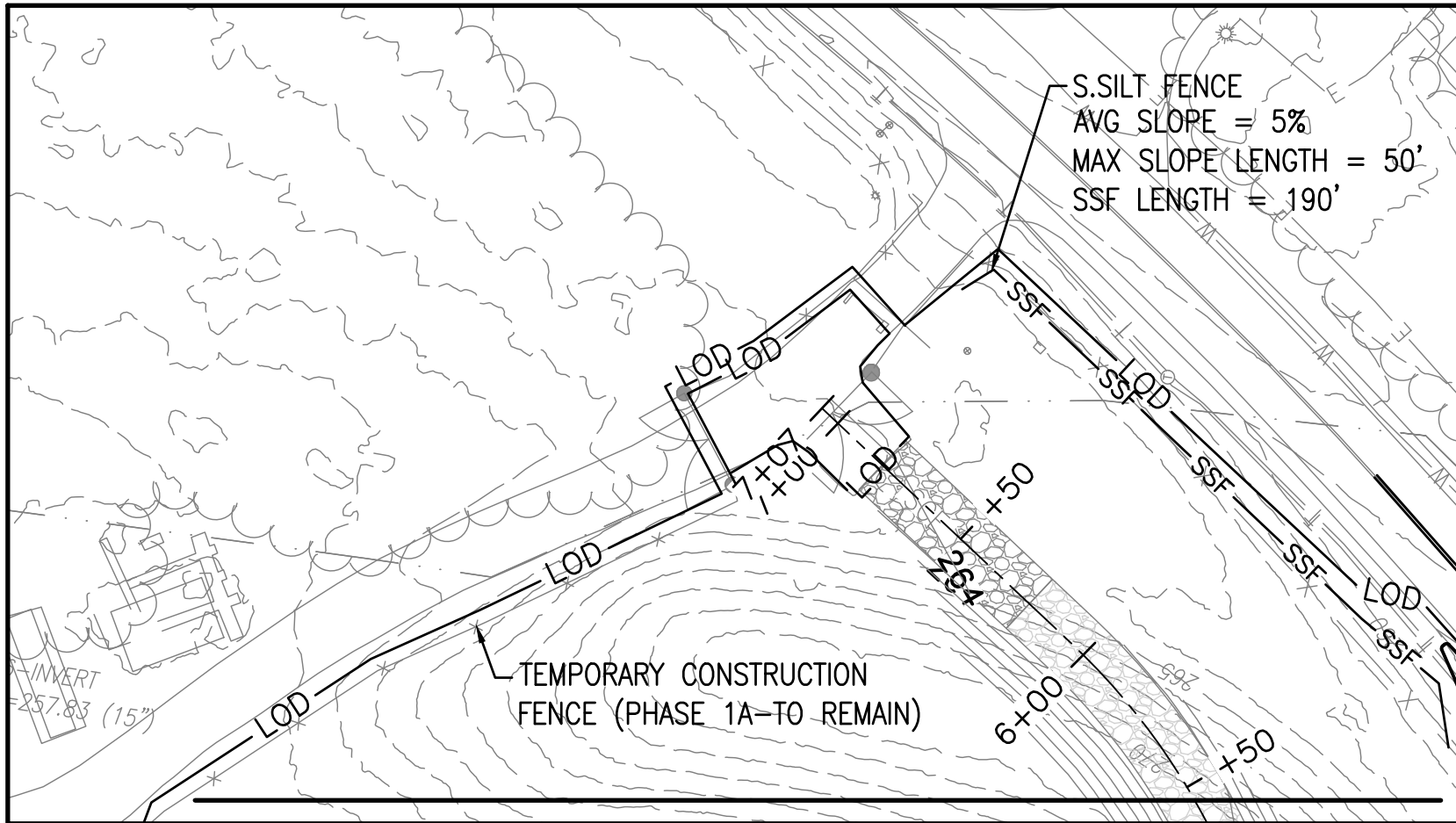
GENERAL NOTES:

- REFER TO SHEET GC-001 FOR LEGEND AND GENERAL NOTES.
- REFER TO GC-005 FOR AIRFIELD NOTES.
- REFER TO GI-111 FOR CONSTRUCTION PHASING PLAN – PHASE 1
- REFER TO CG-201 FOR CONSTRUCTION ACCESS ROAD PROFILE.



MATCH LINE THIS SHEET

MATCH LINE SHEET CG-102B



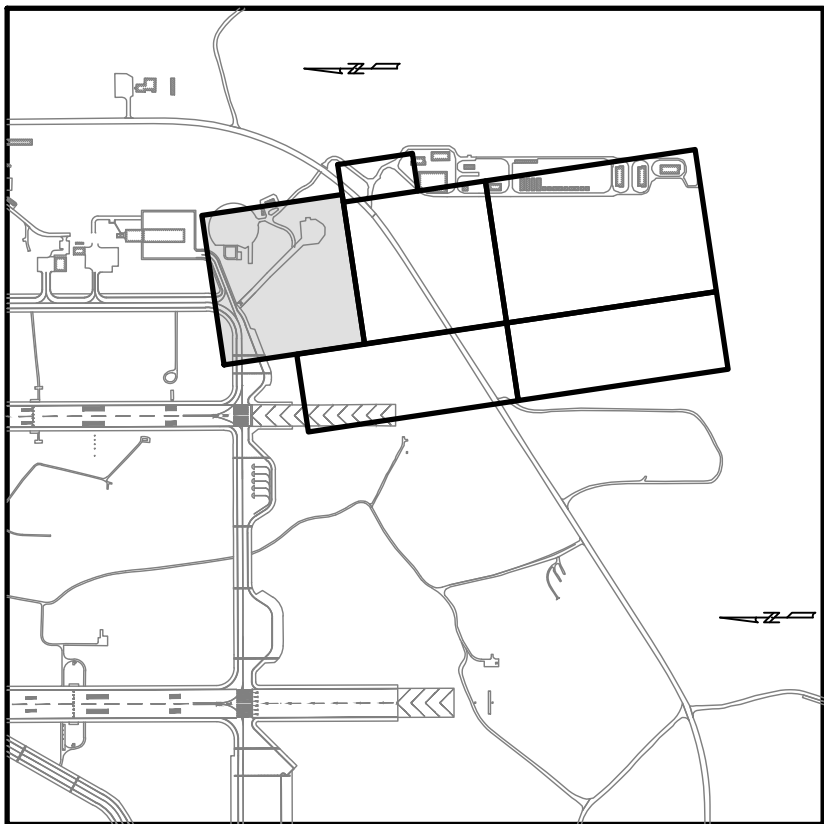
MATCH LINE THIS SHEET

MDE EROSION AND SEDIMENT CONTROL
STANDARD SYMBOLS

ROCK OUTLET PROTECTION III	ROPIII
DIVERSION FENCE	DF
GABION INFLOW PROTECTION	GP
GABION INLET PROTECTION	GIP
SUPER SILT FENCE	SSF
TEMPORARY SOIL STABILIZATION MATTING SLOPE	TSSMS-lb/ft ² (INCLUDE SHEAR STRESS)
EARTH DIKE	A-2
LIMIT OF DISTURBANCE	LOD

LEGEND:

--- DRAINAGE AREA DIVIDE LINE



KEY PLAN

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.



JOINT VENTURE

APPROVED

Jennifer Blass

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES DESIGNED BY

PHOTO

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

WASHINGTON NAVY YARD

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

STAGE 1B EROSION AND SEDIMENT CONTROL PLAN

MDE NO. 21-SF-0064

SCALE: AS NOTED

PROJECT NO.: 1396550

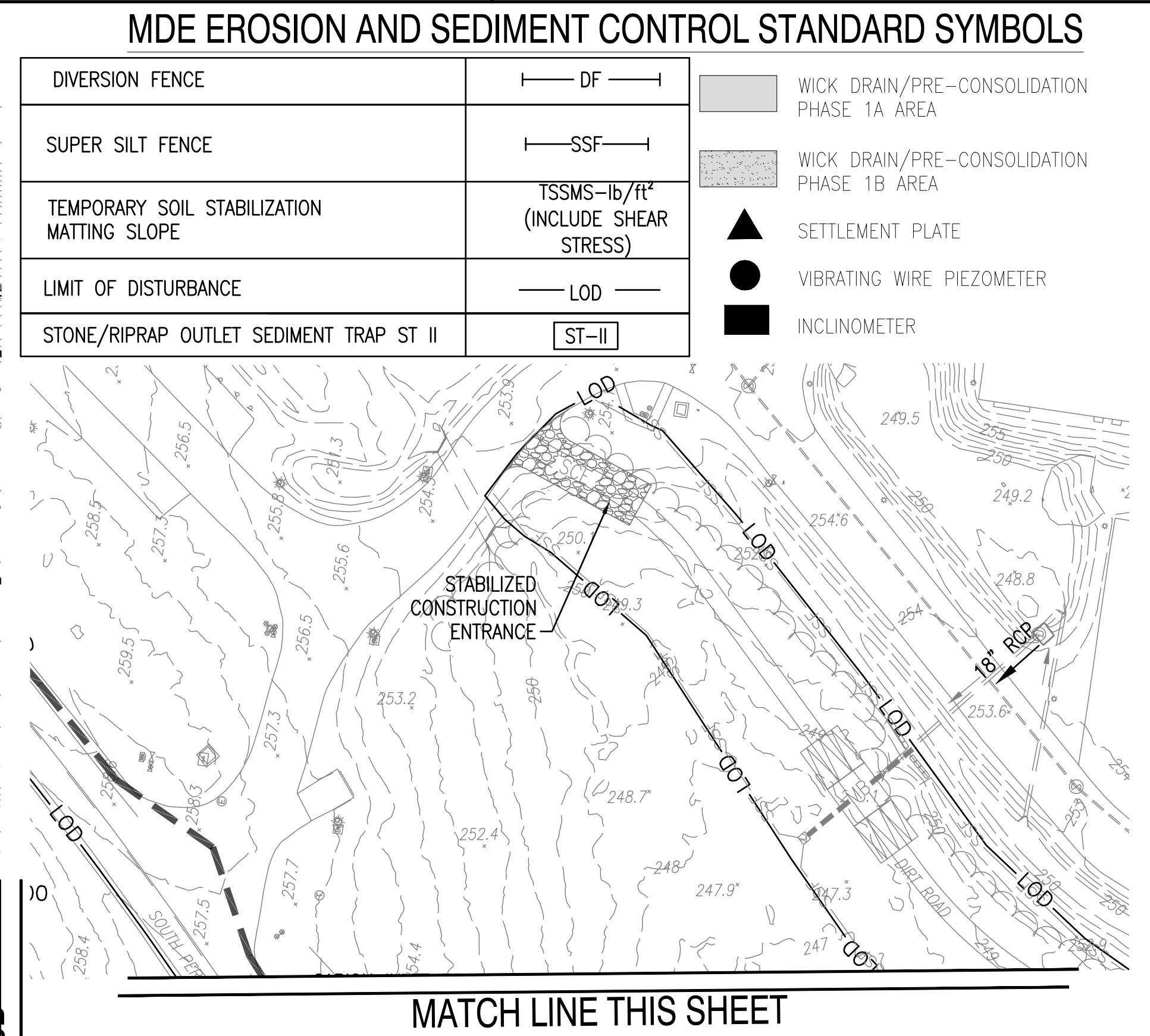
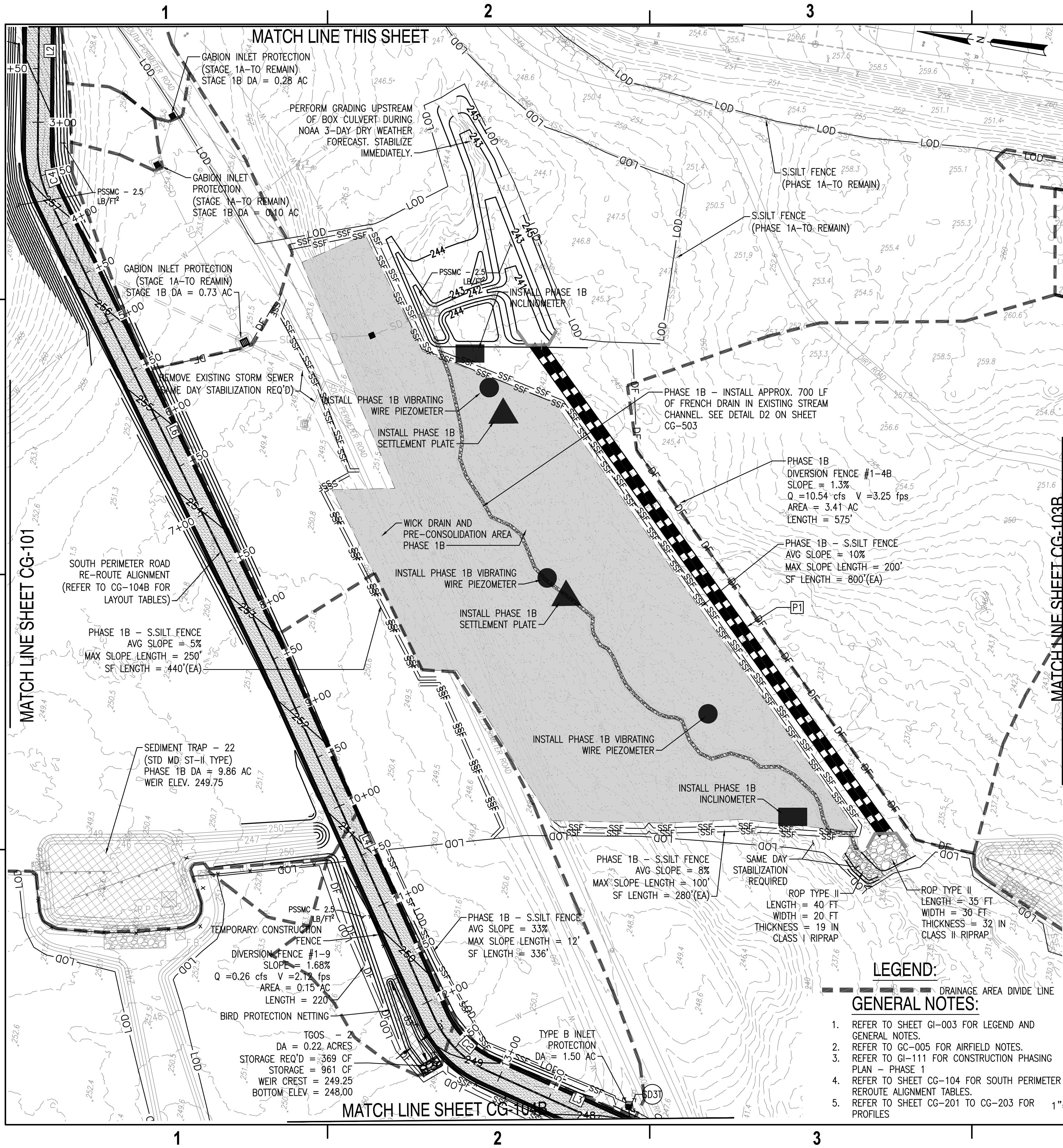
CONSTR. CONTR. NO. N40080-15-D-0452

NAVFAC DRAWING NO. 13140367

SHEET 97 OF 229

CG-101B

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. 28557, EXPIRATION DATE: 04-01-2023.

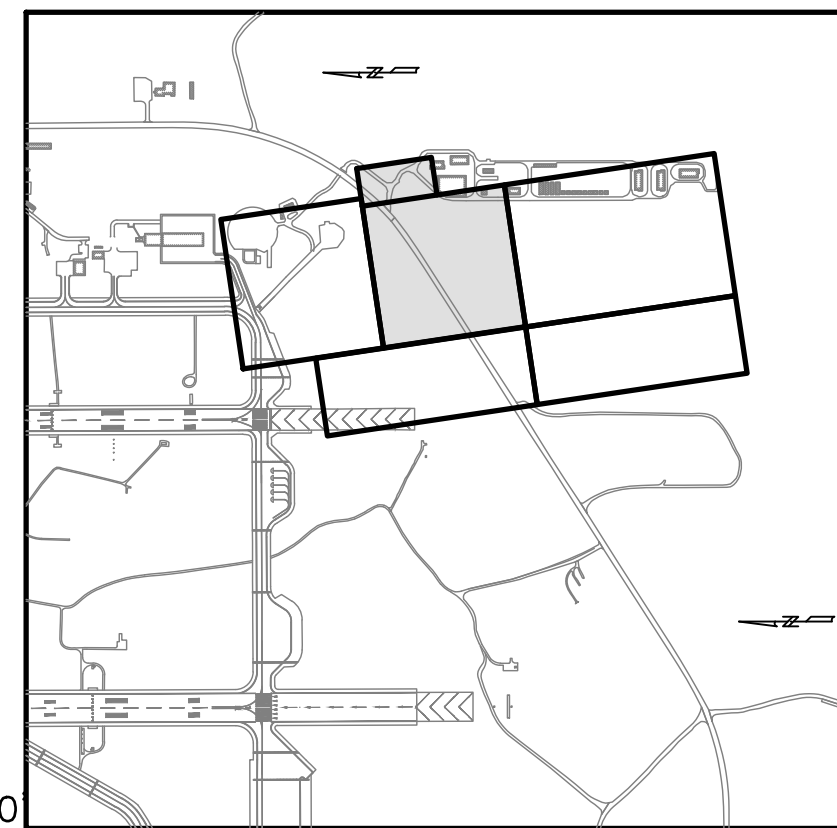
STANDARD STABILIZATION NOTE

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NOTE TO CONTRACTOR

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MDE NUMBER #21-SF-0064



DATE	30/06/2022	APPR
DATE	01/07/2022	ISSUE FOR CONSTRUCTION
DATE	01/07/2022	SYM DESCRIPTION

NAVAC

STATE OF MARYLAND
OFFICE OF THE COMPTROLLER
PROFESSIONAL ENGINEER
09/26/2022

Wiley/Wilsons
BURNS
MCDONNELL
JOINT VENTURE

APPROVED
Jennifer Bless
FOR COMMANDER NAVAC

ACTIVITY

SATISFACTORY TO DATE

DESIGNER
CHK

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC
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
STAGE 1B EROSION & SEDIMENT CONTROL PLAN

SCALE: AS NOTED

PROJECT NO.: 1396650

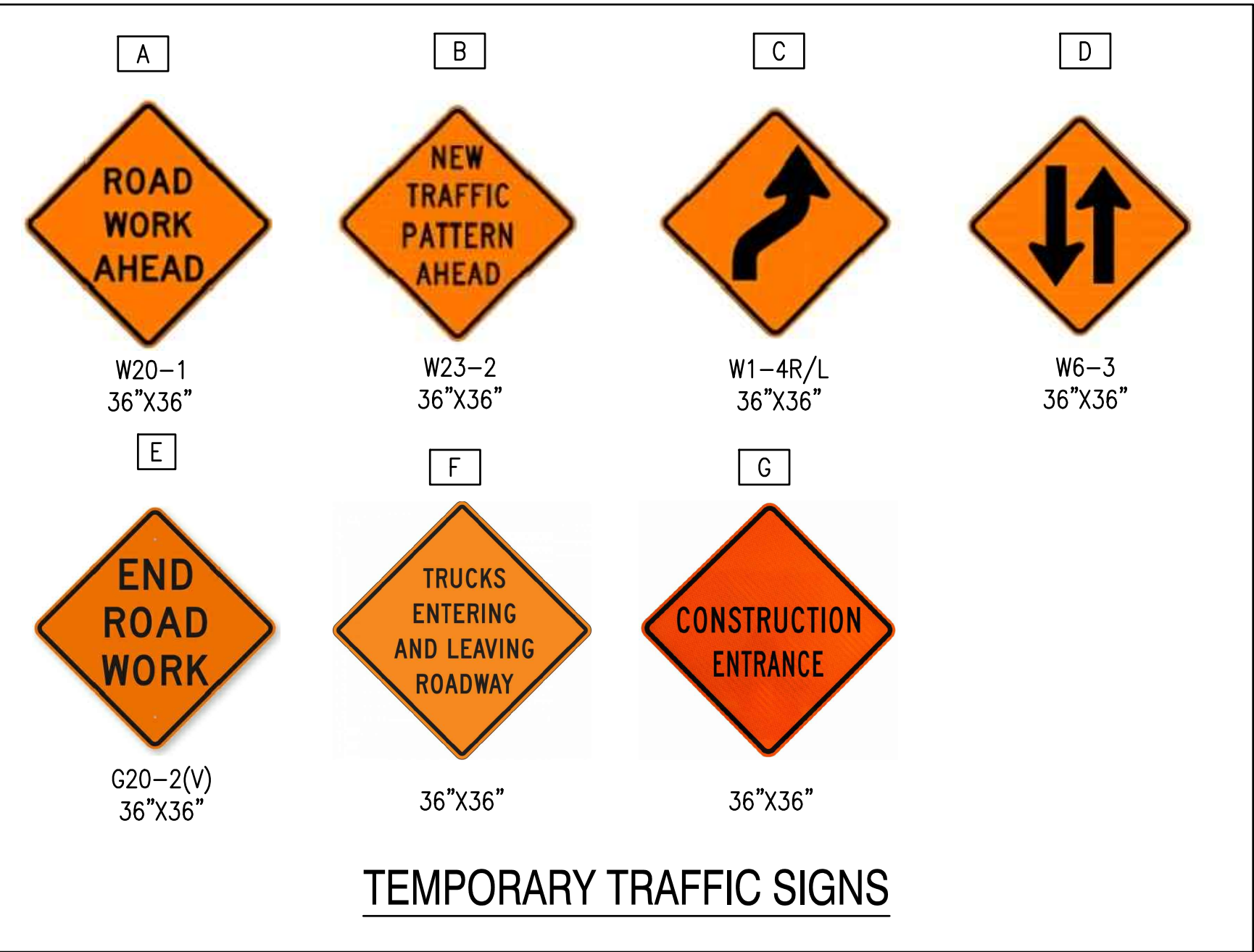
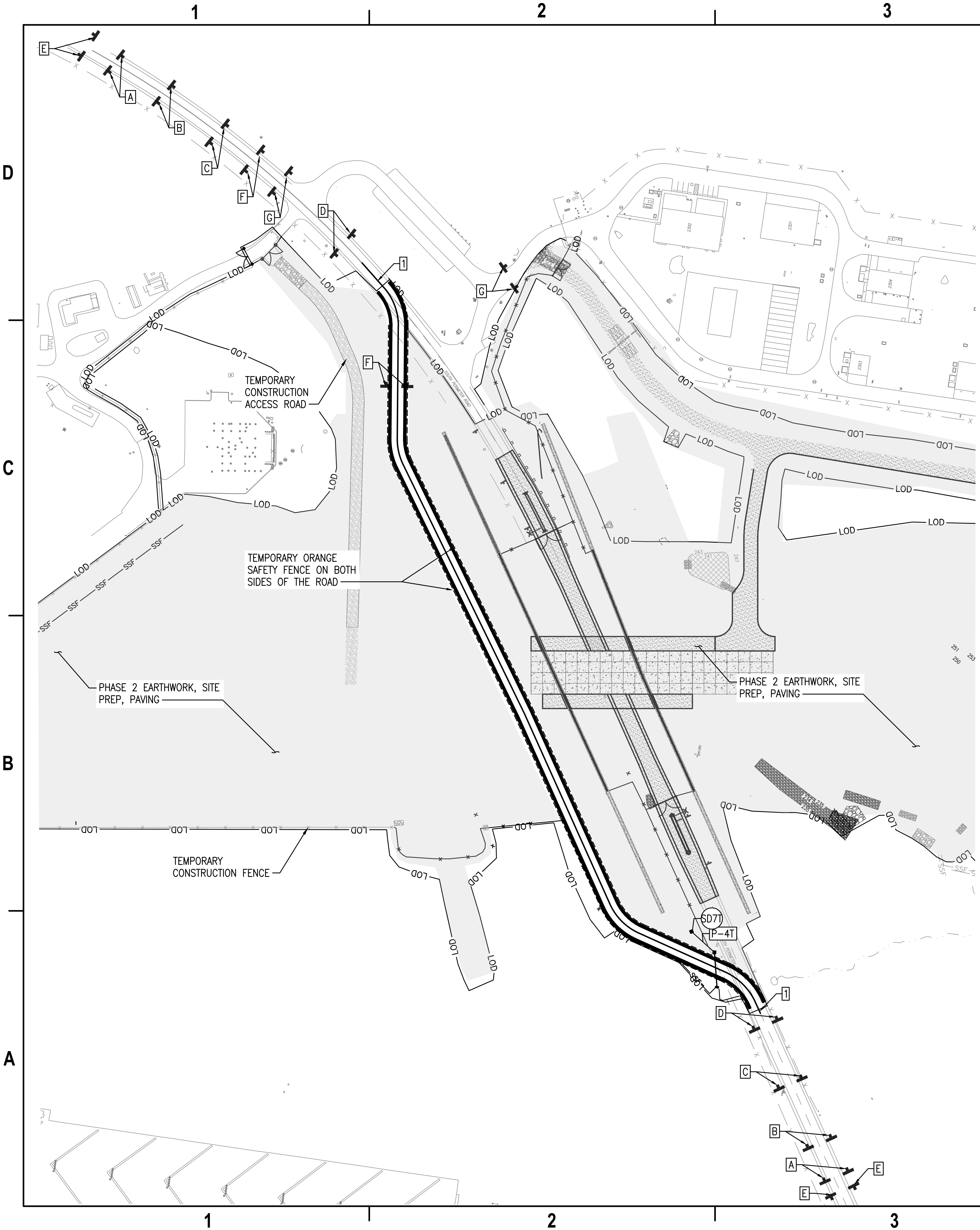
CONSTR. CONTR. NO. N40080-15-D-0452

NAVAC DRAWING NO. 13140368

SHEET 98 OF 229

CG-102B

DRAWING REVISION: 06 APRIL 2017



KEY NOTES:

- 1 4-INCH DOUBLE YELLOW PAVEMENT STRIPING

LEGEND:

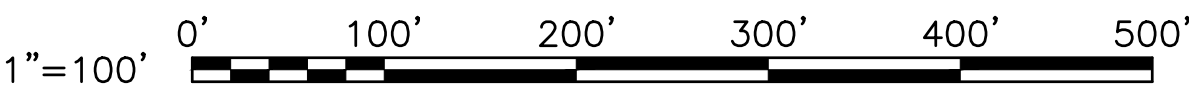
- * — * — TEMPORARY CONSTRUCTION FENCE
- - - - - ORANGE SAFETY FENCE
[] PHASE 2 AREA OF CONSTRUCTION ACTIVITIES

GENERAL NOTES:

1. REFER TO GI-112 FOR CONSTRUCTION PHASING PLAN - PHASE 2.
2. REFER TO SHEET CG-504 FOR TEMPORARY SIGNAGE DETAILS.
3. REFER TO SHEETS GI-501 AND GI-502 FOR TEMPORARY CONSTRUCTION DETAILS.
4. REFER TO SHEETS CG-106 TO CG-108 FOR STAGE 2 EROSION AND SEDIMENT CONTROL PLANS.

MAINTENANCE OF TRAFFIC NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION (MDSHA) BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION (TTCTA) APPENDIX.
2. TRAFFIC CONTROL SIGNS SHOWN ON THIS PLAN ARE SHOWN SCHEMATICALLY. THE EXACT LOCATION AND SPACING OF THE SIGNS SHALL BE ADJUSTED IN THE FIELD.
3. ADDITIONAL TRAFFIC CONTROL MEASURES MAY BE REQUIRED BECAUSE OF CHANGING FIELD CONDITIONS AND CONSTRUCTION SEQUENCING.
4. ALL WORK SHALL BE COMPLETED DURING NORMAL HOURS TO THE EXTENT PRACTICAL, WITH THE EXCEPTION OF UTILITY OUTAGES, DESIGN REQUIREMENTS, PROJECT INTRICACIES. NORMAL HOURS ARE BETWEEN 0600 AND 1800. OFF HOURS ARE FROM 1800 TO 0600, MONDAY-FRIDAY; AND ALL DAY SATURDAY, SUNDAY, AND FEDERAL HOLIDAYS.
5. ANY WORK THAT REQUIRES CLOSURES, REROUTES, ETC. WILL TAKE PLACE DURING OFF HOURS. CONTRACTOR IS REQUIRED TO SUBMIT A REQUEST FOR OFF HOURS WORK TO THE GOVERNMENT IN WRITING, 7 CALENDAR DAYS PRIOR TO COMMENCING WORK.



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DATE	SYMBOL	DESCRIPTION
02/26/2022	0	ISSUE FOR CONSTRUCTION
02/26/2022	0	ISSUE FOR CONSTRUCTION



Wiley Wilson
BURNS
MCDONNELL
JOINT VENTURE

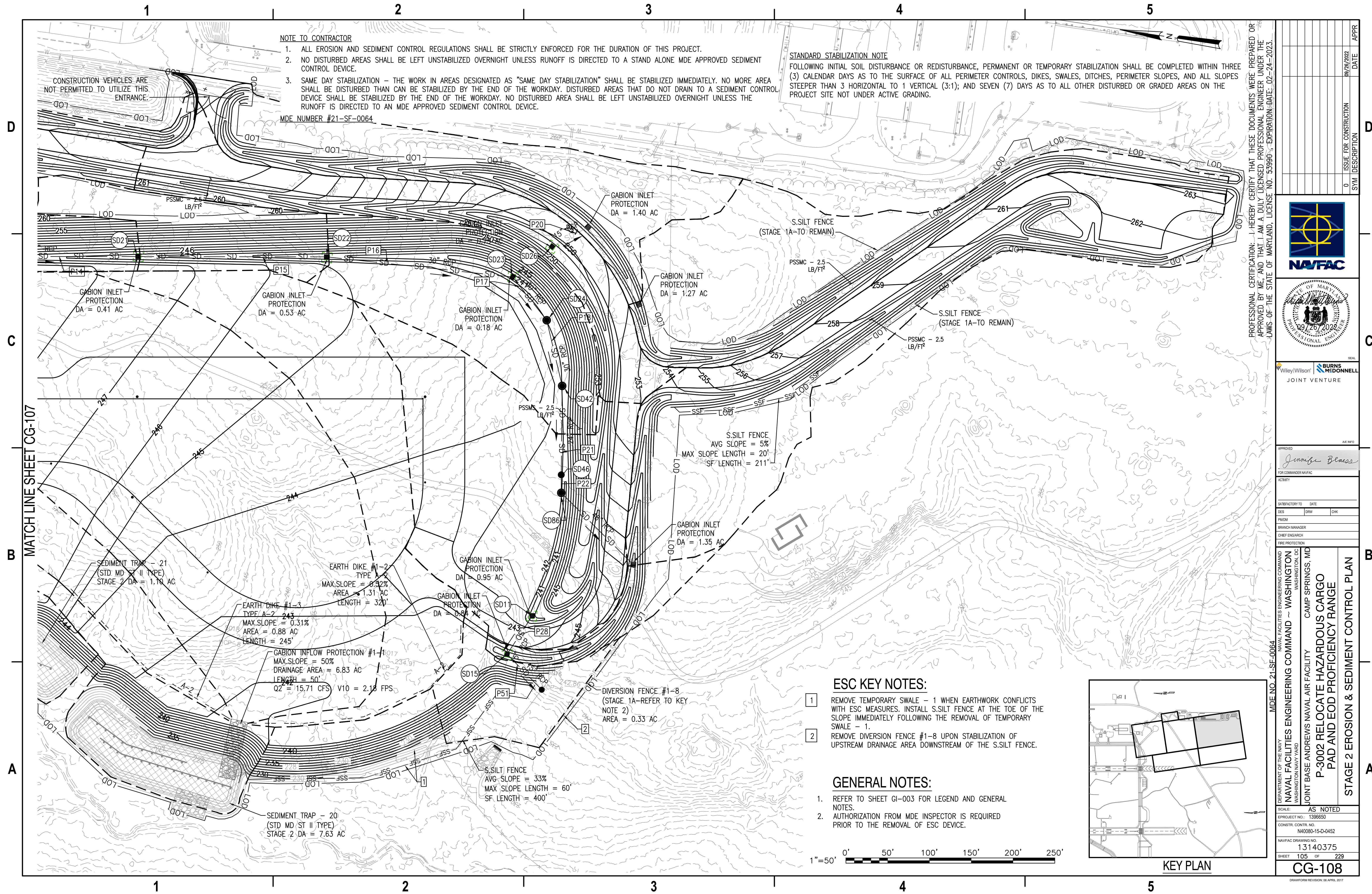
APPROVED
Jennifer Blaes
FOR COMMANDER NAVFAC

ACTIVITY
SATISFACTORY TO DATE
DESIGNER
BRANCH MANAGER
CHIEF ENGINEER
FIRE PROTECTION

21-SF-0064
NAVAL FACILITIES ENGINEERING COMMAND
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
STAGE 2 MAINTENANCE OF TRAFFIC PLAN

SCALE: AS NOTED
PROJECT NO.: 1398650
CONSTR. CONTR. NO.: N40080-15-D-0452
NAVFAC DRAWING NO.: 13140372
SHEET 92 OF 229
CG-105A

DRAWING REVISION: 06 APRIL 2017



1
2
3
4
5

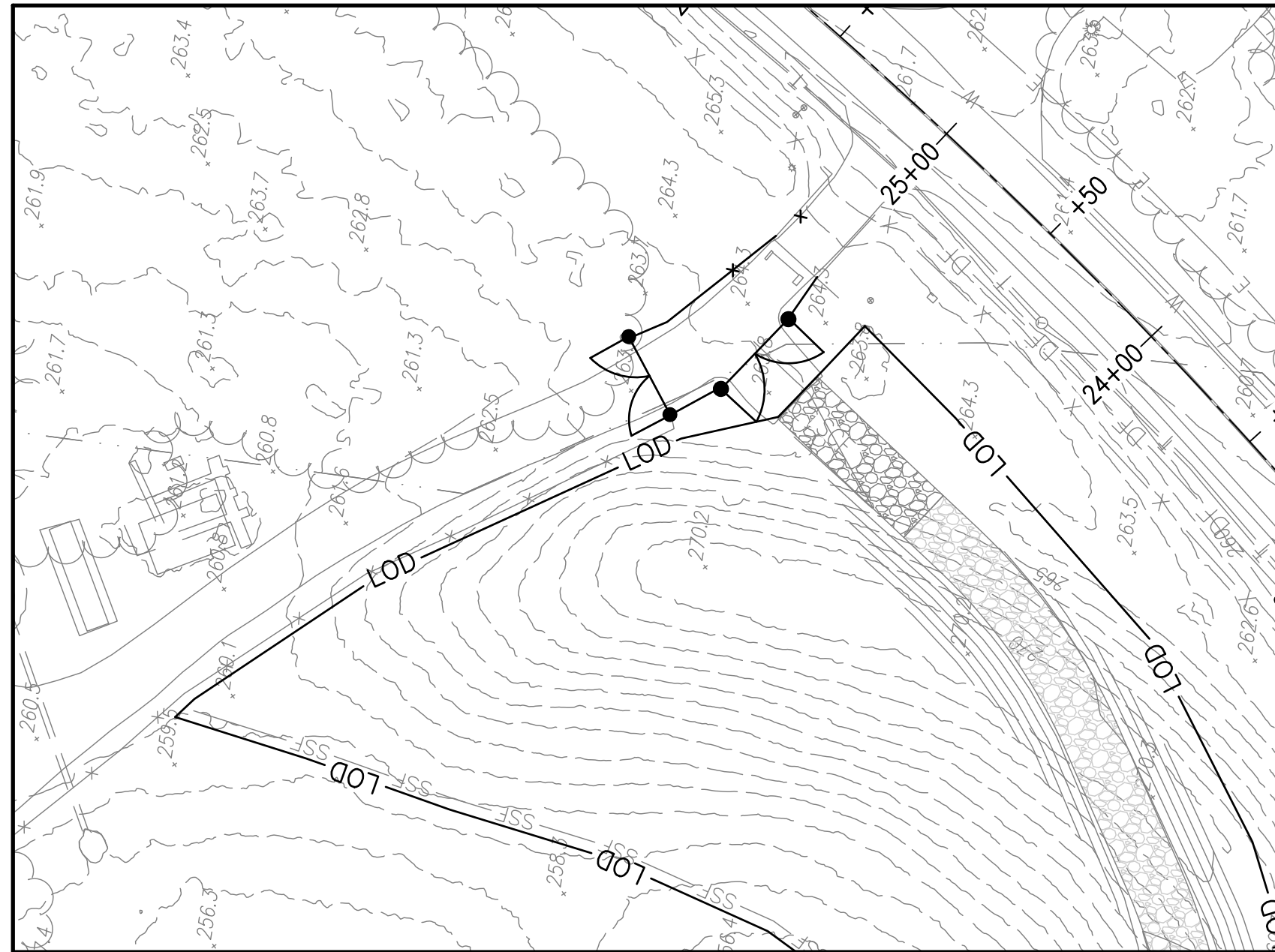
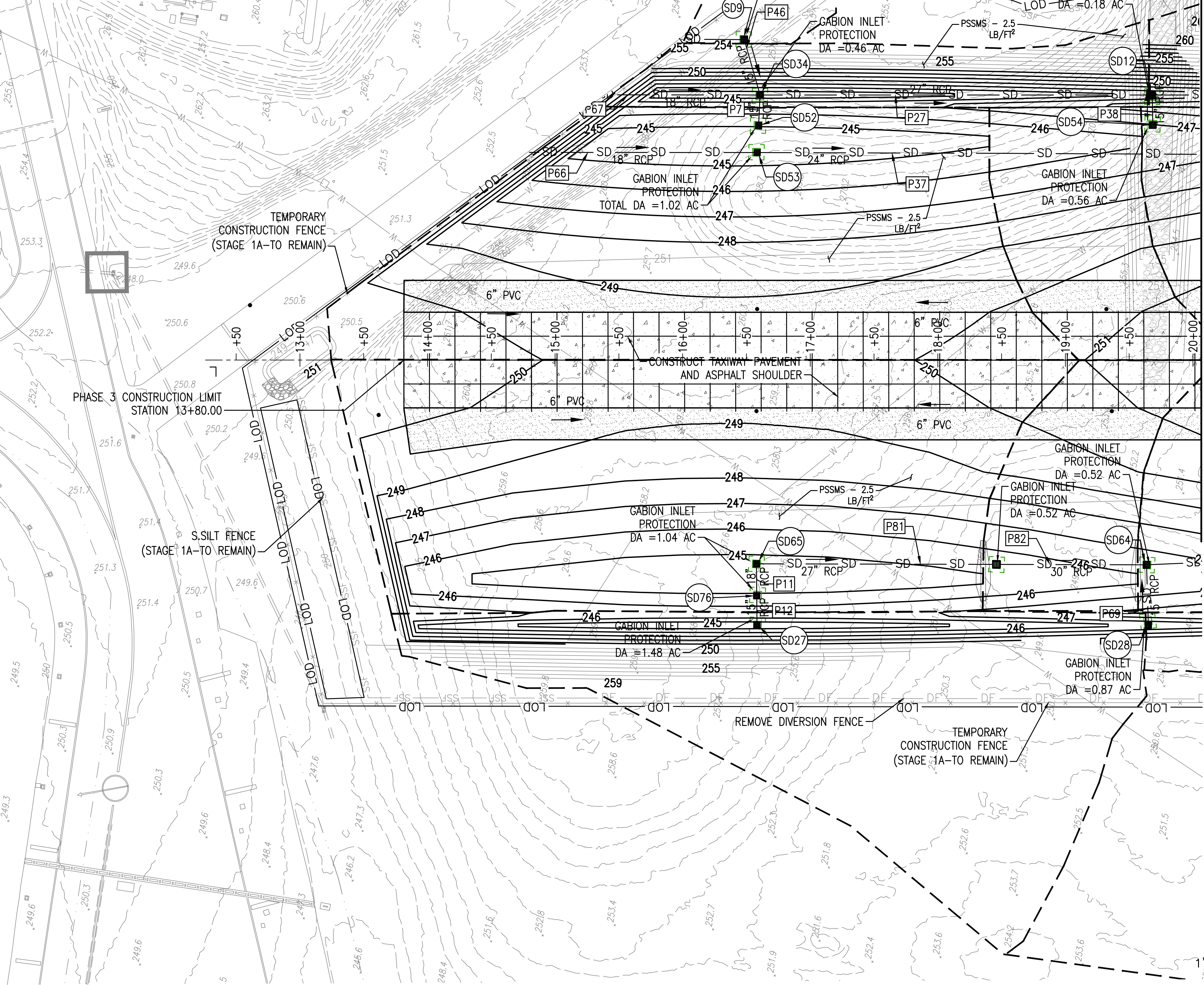
STANDARD STABILIZATION NOTE

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MDE NUMBER #21-SF-0064



MDE EROSION AND SEDIMENT CONTROL
STANDARD SYMBOLS

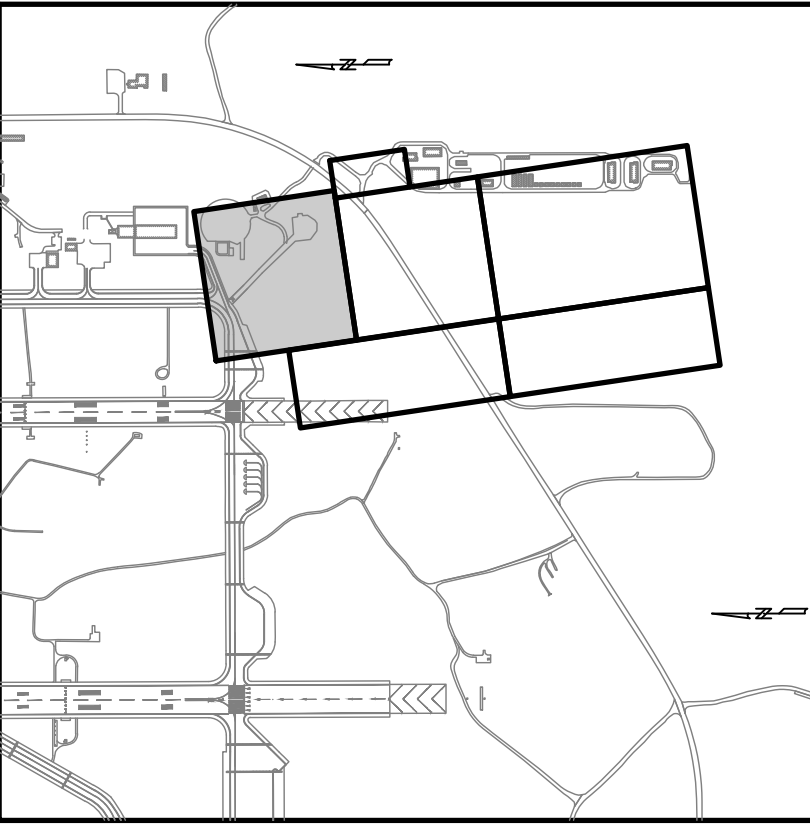
STABILIZED CONSTRUCTION ENTRANCE	SCE
DIVERSION FENCE	DF
SUPER SILT FENCE	SSF
AT-GRADE INLET PROTECTION	AGIP
TEMPORARY SOIL STABILIZATION MATTING CHANNEL	TSSMC-lb/ft² (INCLUDE SHEAR STRESS)
TEMPORARY SOIL STABILIZATION MATTING SLOPE	TSSMS-lb/ft² (INCLUDE SHEAR STRESS)
LIMIT OF DISTURBANCE	LOD

GENERAL NOTES:

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

CONSTRUCTION NOTES:

- MODIFY CONSTRUCTION ACCESS ROAD AS REQUIRED THROUGHOUT PHASE 3.
- INSTALL SD12 AND SD54 WITH TEMPORARY MANHOLE TOP TO MATCH GRADE OF CONSTRUCTION ACCESS ROAD.



KEY PLAN

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WileyWilson
JOINT VENTURE

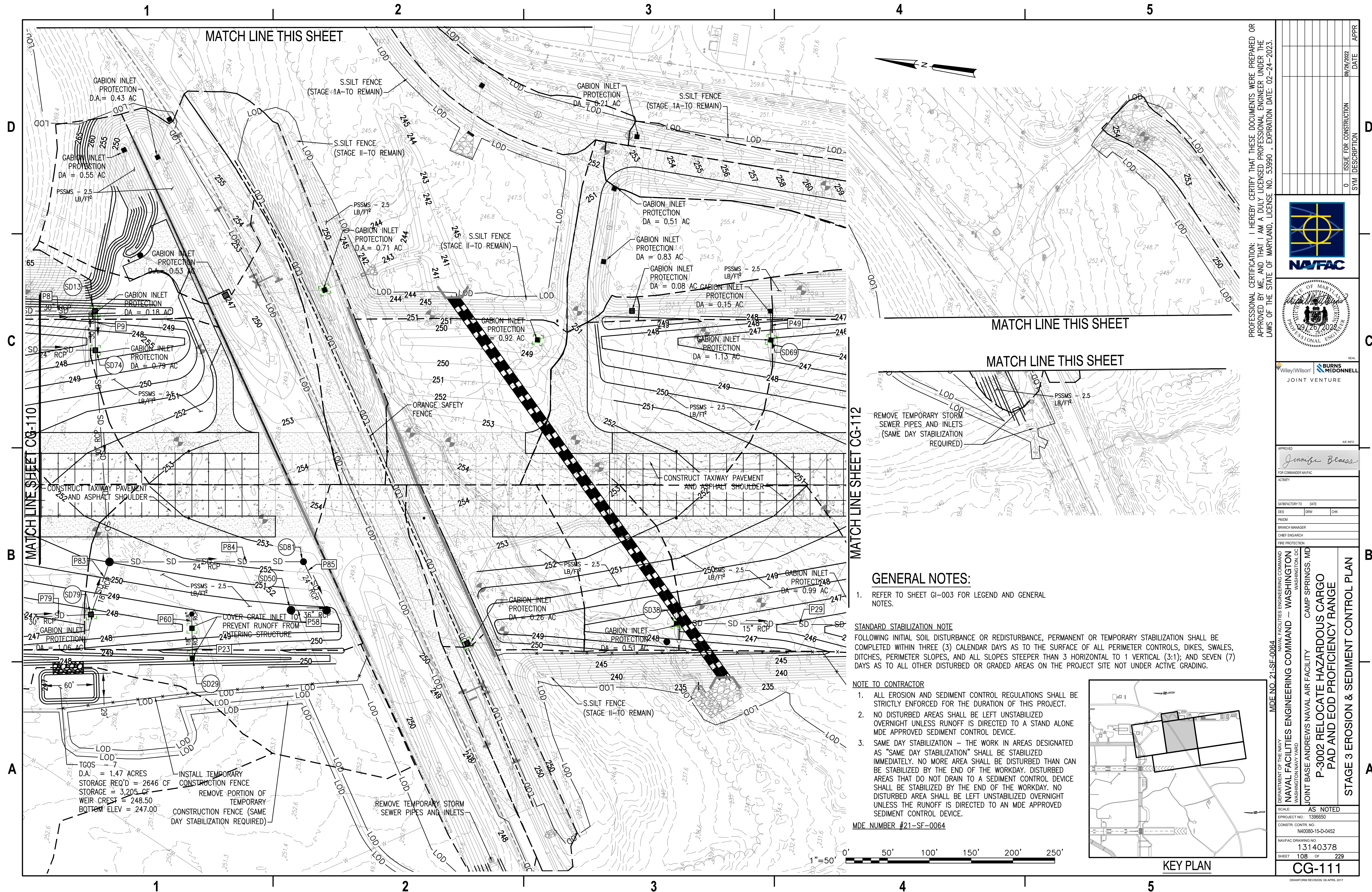
APPROVED
Jennifer Bless

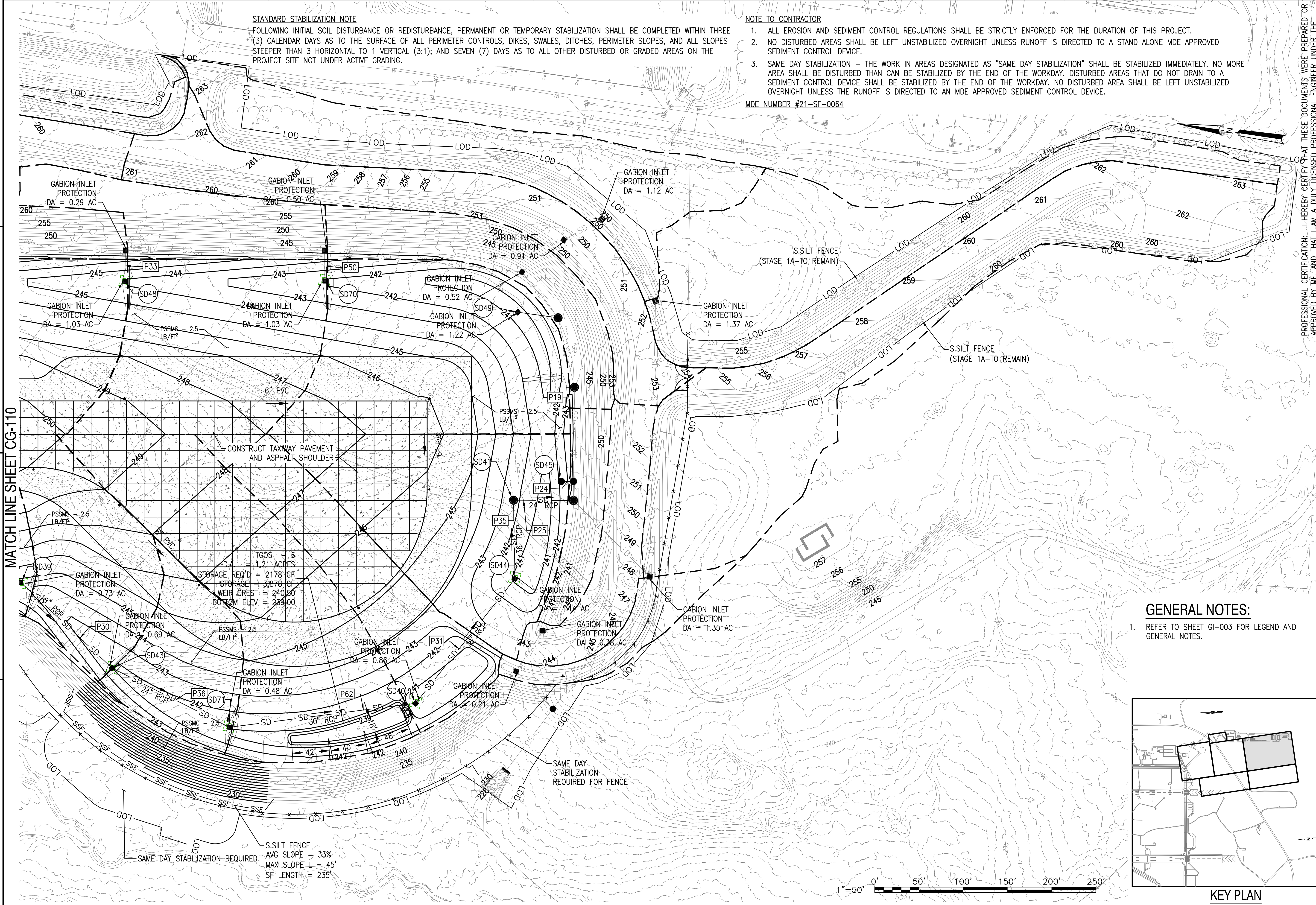
FOR COMMANDER NAVFAC

SATISFACTORY TO DATE
DESIGN
BRANCH MANAGER
CHIEF ENGINEER
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC
NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON, DC
JOINT BASE ANDREWS NAVAL AIR FACILITY
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
STAGE 3 EROSION & SEDIMENT CONTROL PLAN

SCALE: AS NOTED
PROJECT NO.: 139650
CONSTR. CONTR. NO.: N40080-15-D-0452
NAVFAC DRAWING NO.: 13140377
SHEET 107 OF 229
CG-110
DRAWING REVISION: 06 APRIL 2017



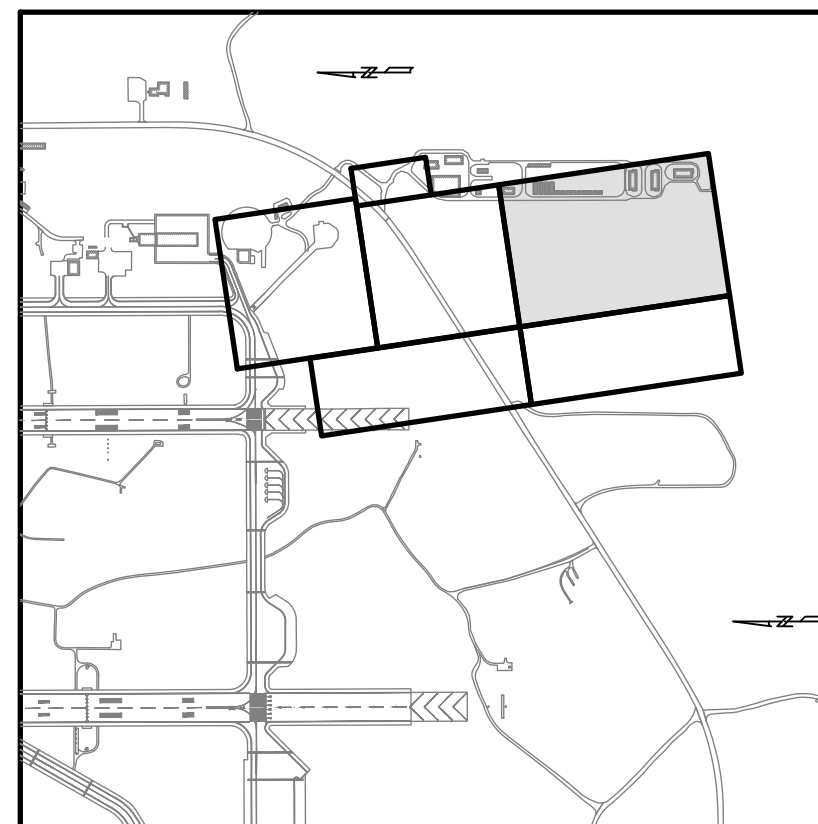


STANDARD STABILIZATION NOTE
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MDE NUMBER #21-SF-0064

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



KEY PLAN

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.

NAVAC

JOINT VENTURE

Wiley Wilson
BURNS
MCDONNELL

APPROVED: *Jennifer Blass*
FOR COMMANDER NAVAC

ACTIVITY: STAGE 3 EROSION & SEDIMENT CONTROL PLAN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC

JOINT BASE ANDREWS NAVAL AIR FACILITY
CAMP SPRINGS, MD

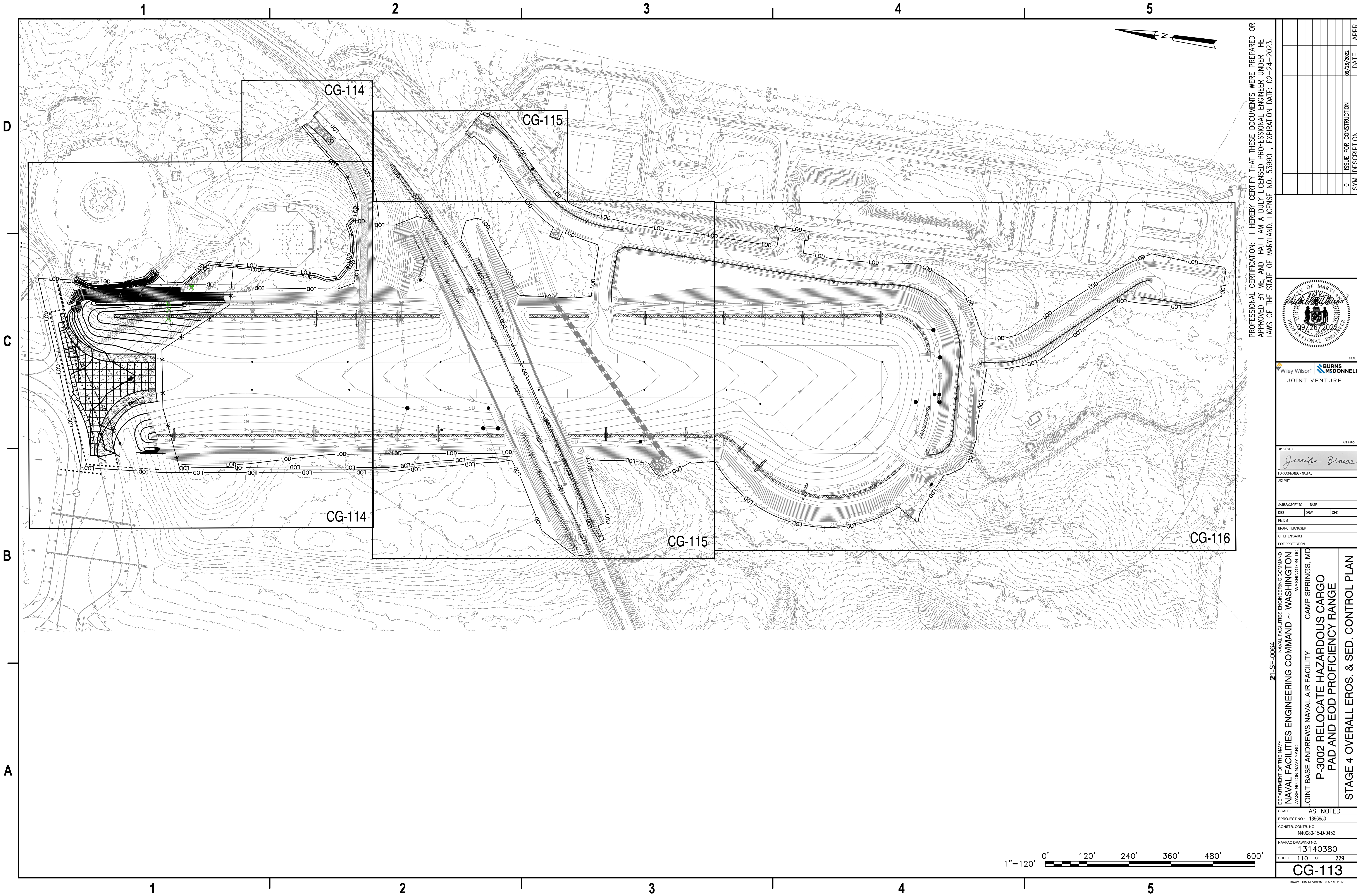
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE

SCALE: AS NOTED
PROJECT NO.: 139650
CONSTR. CONTR. NO.: N40080-15-D-0452
NAVAC DRAWING NO.: 13140379
SHEET 109 OF 229

CG-112

DRAWING REVISION: 08 APRIL 2017

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



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 Bless
FOR COMMANDER NAVFAC

ACTIVITY
SATISFACTORY TO DATE
DES DESIGNED
PMTM
BRANCH MANAGER
CHIEF ENGINEER
FIRE PROTECTION

21-SF-0064
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC
NAVAL BASE ANDREWS NAVAL AIR FACILITY
CAMP SPRINGS, MD
P-3002 RELOCATE HAZARDOUS CARGO
PAD AND EOD PROFICIENCY RANGE
STAGE 4 OVERALL EROS. & SED. CONTROL PLAN

SCALE: AS NOTED
PROJECT NO.: 139650
CONSTR. CONTR. NO. N40080-15-D-0452
NAVFAC DRAWING NO. 13140380
SHEET 110 OF 229
CG-113

DRAWING REVISION: 06 APRIL 2017

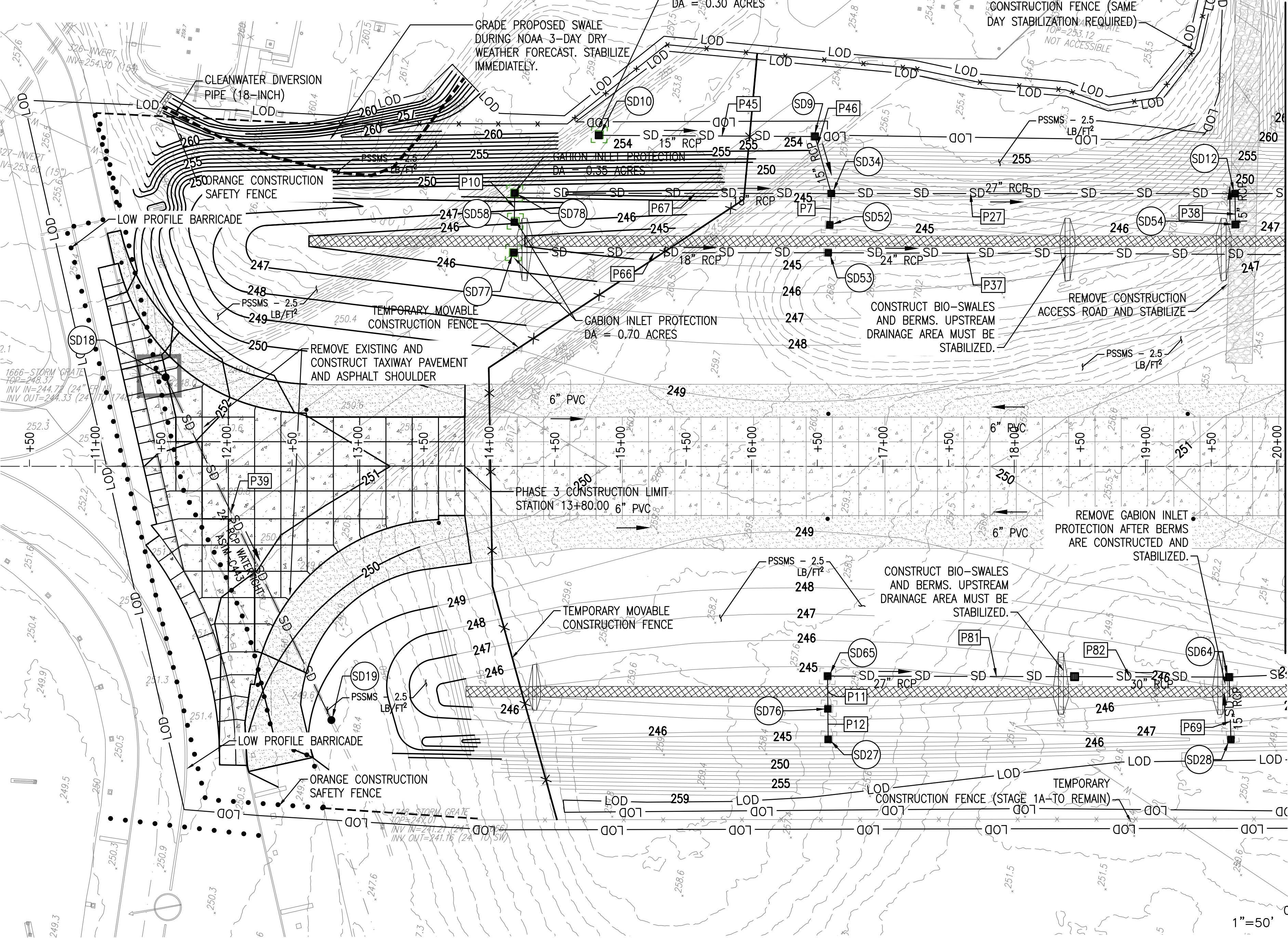
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MDE NUMBER #21-SF-0064



MATCH LINE THIS SHEET

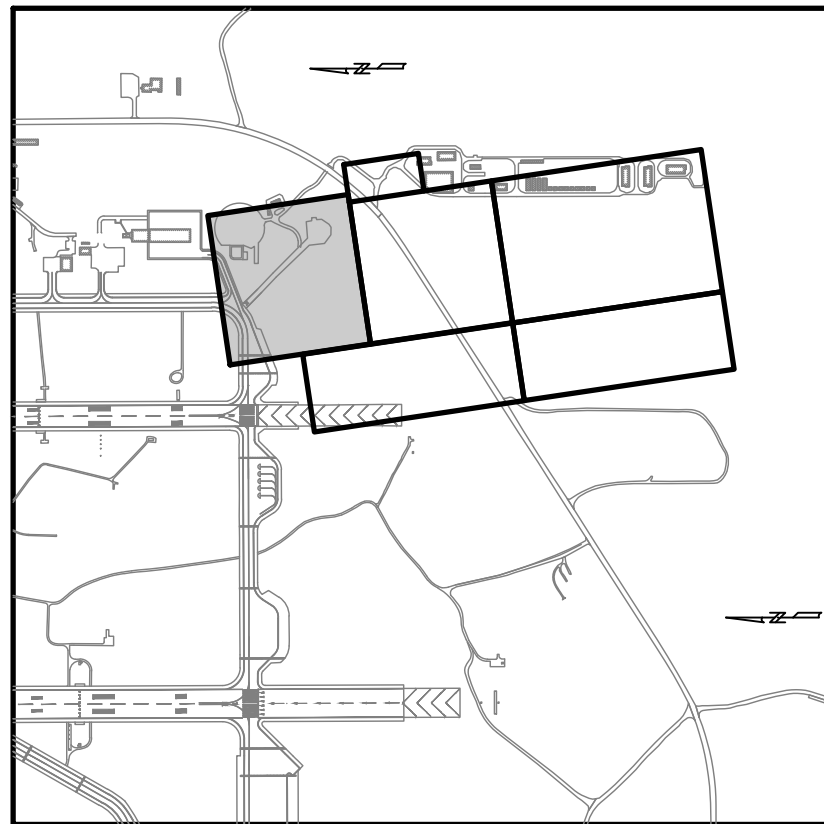
MATCH LINE THIS SHEET

MDE EROSION AND SEDIMENT CONTROL
STANDARD SYMBOLS

STABILIZED CONSTRUCTION ENTRANCE	SCE
DIVERSION FENCE	DF
SUPER SILT FENCE	SSF
AT-GRADE INLET PROTECTION	AGIP
TEMPORARY SOIL STABILIZATION MATTING CHANNEL	TSSMC-1b/ft ² (INCLUDE SHEAR STRESS)
TEMPORARY SOIL STABILIZATION MATTING SLOPE	TSSMS-1b/ft ² (INCLUDE SHEAR STRESS)
LIMIT OF DISTURBANCE	LOD

GENERAL NOTES:

1. REFER TO SHEET C-001 FOR LEGEND AND GENERAL NOTES.



KEY PLAN

SYMBOL	DESCRIPTION	DATE	APPROVED
0	ISSUE FOR CONSTRUCTION	09/26/2022	



Wiley|Wilsort
BURNS
MCDONNELL
JOINT VENTURE

APPROVED
Jennifer Bless

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DESIGN

PHOTO

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON NAVY YARD

WASHINGTON DC

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

STAGE 4 EROSION & SEDIMENT CONTROL PLAN

MDE NO. 21-SF-0064

SCALE: AS NOTED

PROJECT NO.: 1396650

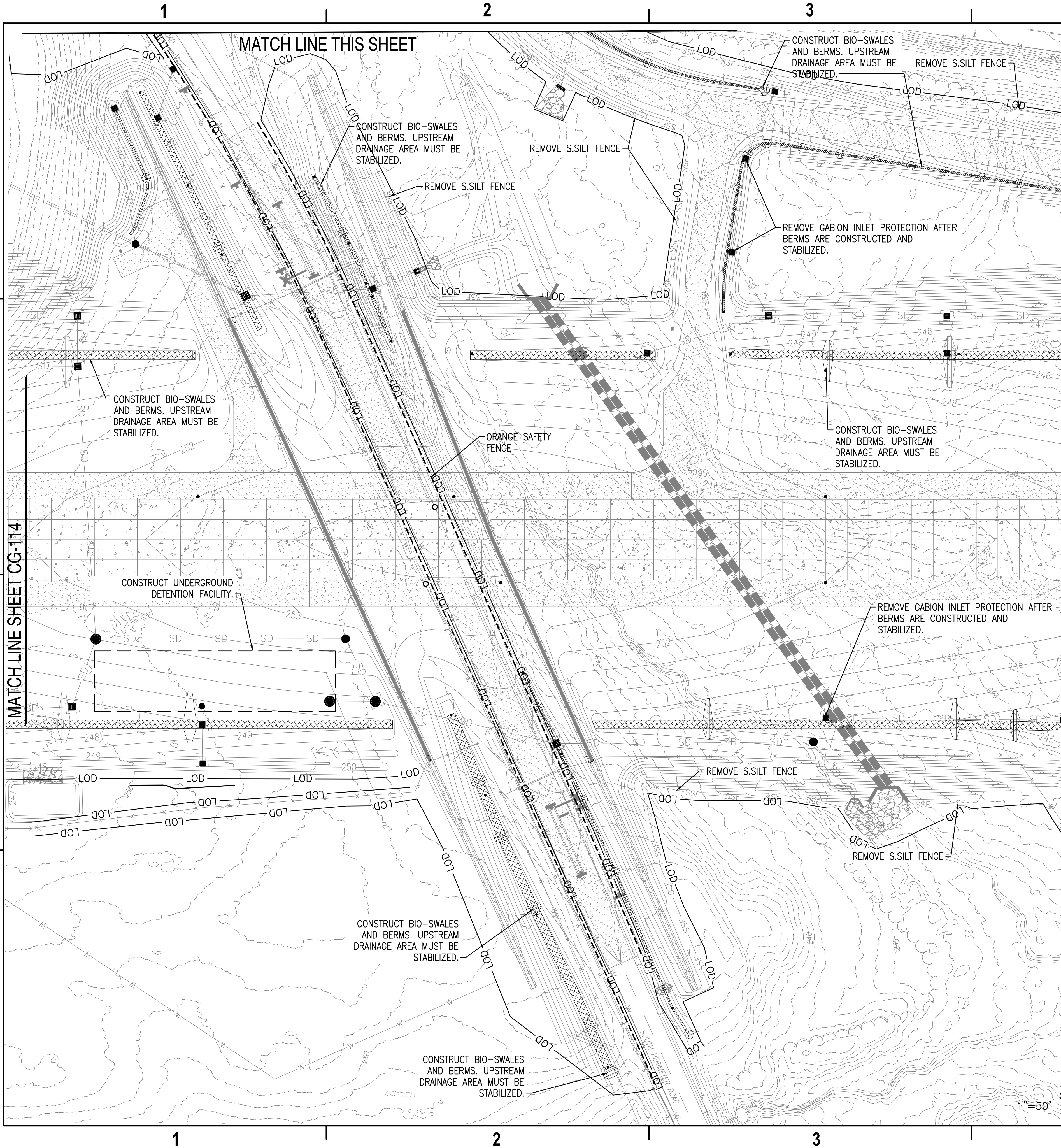
CONSTR. CONTR. NO. N40080-15-D-0452

NAVFAC DRAWING NO. 13140381

SHEET 111 OF 229

CG-114

DRAWING REVISION: 06 APRIL 2017



GENERAL NOTES:

1. REFER TO SHEET C-001 FOR LEGEND AND GENERAL NOTES.

MDE EROSION AND SEDIMENT CONTROL STANDARD SYMBOLS

TEMPORARY SOIL STABILIZATION MATTING CHANNEL	TSSMC-lb/ft ² (INCLUDE SHEAR STRESS)	STABILIZED CONSTRUCTION ENTRANCE	SCE
TEMPORARY SOIL STABILIZATION MATTING SLOPE	TSSMS-lb/ft ² (INCLUDE SHEAR STRESS)	DIVERSION FENCE	DF
LIMIT OF DISTURBANCE	LOD	SUPER SILT FENCE	SSF
		AT-GRADE INLET PROTECTION	AGIP

STANDARD STABILIZATION NOTE

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KEY PLAN

1"=50'

DATE

30/06/2022

APPR

SYM

DESCRIPTION

DATE

WileyWilson

BURNS MEDONNELL

JOINT VENTURE

APPROVED

Jennifer Blaes

FOR COMMANDER NAVFAC

SATISFACTORY TO

DATE

DES

DRAW

CHK

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

JOINT BASE ANDREWS NAVAL AIR FACILITY

CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO

PAD AND EOD PROFICIENCY RANGE

STAGE 4 EROSION & SEDIMENT CONTROL PLAN

SCALE:

AS NOTED

EPROJCT NO.:

139650

CONSTR. CONTR. NO.

N40080-15-D-0452

NAVFAC DRAWING NO.

13140382

SHEET

112

OF

229

CG-115

DRAWING REVISION: 06 APRIL 2017

