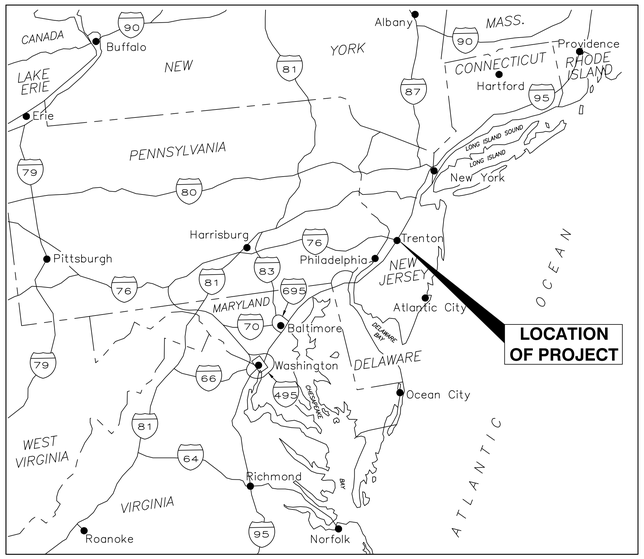
US Army Corps ®
of Engineers
PHILADELPHIA
DISTRICT

MAINTENANCE DREDGING

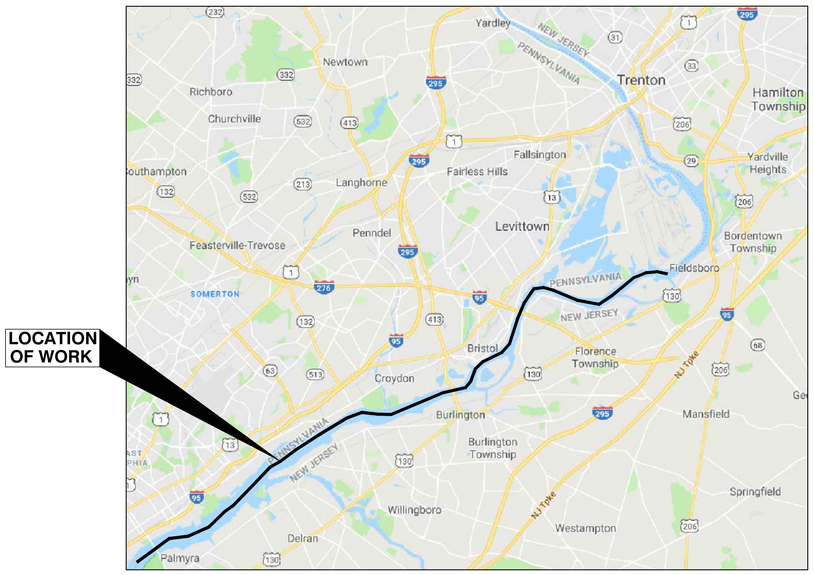
-

DELAWARE RIVER

PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY



VICINITY MAP



LOCATION MAP

SOLICITATION NO:W912BU23B0003

CONTRACT NO:-

ISSUE/SUBMITTAL DATE:11 APR 2023

THIS PROJECT WAS DESIGNED BY THE PHILADELPHIA DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152.

SUBMITTED: MOFFATT.BARBARA.F.1228997893 Digitally signed by MOFFATT.BARBARA.F.1228997893 Date: 2023.04.11 12:40:12 -04'00'

BARBARA F. MOFFATT P.E
CHIEF, ENGINEERING BRANCH

APPROVED: CLAPP.CHRISTINE.D.1228846372 Digitally signed by CLAPP.CHRISTINE.D.1228846372 Date: 2023.04.11 12:59:04 -04'00'

ANDREW J. SCHWAIGER, P.E.
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

MARK	ACTION	DESCRIPTION	DATE	BY
.	.	.	.	.

ISSUE/SUBMITTAL DATE:
RTA - 11 APR 2023
SOLICITATION NUMBER:
W912BU23B0003
CONTRACT NUMBER:
-
DWG. SIZE: 22"x17"
FILE NAME:
01

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
COVER SHEET
-

SHEET NUMBER
G-001

DRAWING INDEX	
SHEET NUMBER	DESCIPTION
GENERAL	
G-001	COVER SHEET
G-002	DRAWING INDEX SHEET
CIVIL	
C-001	GENERAL INFORMATION SHEET
C-101	PLAN - GENERAL
C-102	PLAN - STA. 16+858 TO STA. 24+148
C-103	PLAN - STA. 24+148 TO STA.31+305
C-104	PLAN - STA. 31+305 TO STA. 37+873
C-105	PLAN - STA. 37+873 TO STA. 45+080
C-106	PLAN - STA. 45+080 TO STA. 51+056
C-107	PLAN - STA. 51+056 TO STA. 58+658
C-108	PLAN - STA. 58+658 TO STA. 65+823
C-109	PLAN - STA. 65+823 TO STA. 73+093
C-110	PLAN - STA. 73+093 TO STA. 80+426
C-111	PLAN - STA. 80+426 TO STA. 86+000
C-112	PLAN - STA.86+000 TO STA. 92+700
C-113	PLAN - STA. 92+700 TO STA. 97+700
C-114	PLAN - STA. 97+700 TO STA. 103+800
C-115	PLAN - STA. 103+800 TO STA. 111+000
C-116	PLAN - STA. 111+000 TO STA. 118+000
C-117	PLAN - STA. 118+000 TO STA. 125+000
C-118	PLAN - FAIRLESS TURNING BASIN
C-119	PLAN - FAIRLESS TURNING BASIN GEOMETRY
C-301	CHANNEL SECTIONS
C-302	CHANNEL SECTIONS
C-303	FAIRLESS TURNING BASIN SECTIONS
C-401	PLAN - PALMYRA COVE DISPOSAL AREA
C-402	PLAN - MONEY ISLAND CELL A DISPOSAL AREA
C-403	PLAN - BILES ISLAND DISPOSAL AREA

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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-	-	-	-	-

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

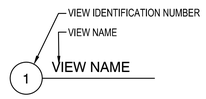
DWN BY: JWD
CHD BY: DAA
DES BY: JWD
REVIEWED BY: DAA
ISSUE/SUBMITTAL DATE: 11 APR 2023
SECTION/DIVISION NUMBER: HDC/CSD
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 22"x34"
FILE NAME: CSD DRAWING INDEX SHEET.dwg

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
DRAWING INDEX SHEET
-

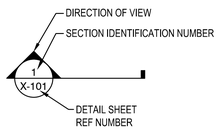
SHEET NUMBER
G-002

SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

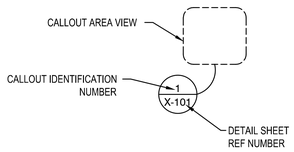
DRAWING SHEET SYMBOLS



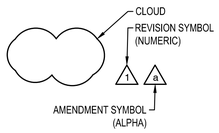
VIEW TITLE SYMBOL



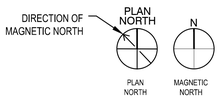
SECTION CUT SYMBOL



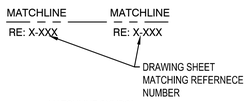
CALLOUT SYMBOL



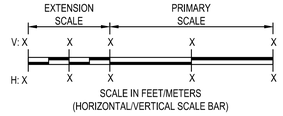
REVISION & AMENDMENT CLOUD AND SYMBOL

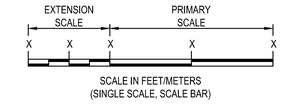


NORTH SYMBOLS



MATCHLINE SYMBOL





GRAPHIC BAR SCALE SYMBOLS

ABBREVIATIONS

ABBRV	DESCRIPTION	ABBRV	DESCRIPTION	ABBRV	DESCRIPTION
AD	AREA DRAIN	FDN	FOUNDATION	PSI	POUNDS PER SQUARE INCH
ADDL	ADDITIONAL	FF	FINISHED FLOOR	PVI	POINT OF VERTICAL INFLECTION
AFF	ABOVE FINISHED FLOOR	FIN	FINISH	RAD	RADIUS
BD	BOARD	FL	FLOOR	REINF	REINFORCEMENT
BIT	BITUMINOUS	FM	FORCE MAIN	REM	REMOVABLE
BL or ℄	BASE LINE	FT	FOOT, FEET	ROW	RIGHT OF WAY
BLDG	BUILDING	FTG	FOOTING	S	SOUTH
BM	BEAM	G	GROUND	SCH	SCHEDULE
BMP	BEST MANAGEMENT PRACTICE	GOVT	GOVERNMENT	SECT	SECTION
BOT	BOTTOM	GR	GRADE	SPEC	SPECIFICATION
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	HORIZ	HORIZONTAL	SPRT	SUPPORT
BVCS	BEGINNING OF VERTICAL CURVE STATION	HS	HIGH STRENGTH	SQ	SQUARE
CL or ℄	CENTERLINE	HT	HEIGHT	SST	STAINLESS STEEL
CMU	CONCRETE MASONRY UNIT	HVY	HEAVY	STA	STATION
CO	CLEAN OUT	IN	INCH	STD	STANDARD
COL	COLUMN	INSUL	INSULATION, INSULATED	STRUCT	STRUCTURAL
CONC	CONCRETE	IINT	INTERIOR	SUSP	SUSPENDED
CONSTR	CONSTRUCTION	INV	INVERT	SYS	SYSTEM
CONT	CONTINUOUS	LL	LIVE LOAD	TEMP	TEMPORARY
CTRL	CONTROL	LP	LOW POINT	TD	TRENCH DRAIN
CWL	CONTRACTOR WORK LIMITS	LT	LIGHT	TDO	TRENCH DRAIN OUTLET PIPE
DET	DETAIL	LVC	LENGTH OF VERTICAL CURVE	TELE	TELEPHONE
DGA	DENSE GRADED AGGREGATE	JCT	JUNCTION	TOPO	TOPOGRAPHY
DIA	DIAMETER	MATL	MATERIAL	TYP	TYPICAL
DIM	DIMENSION	MAX	MAXIMUM	UD	UNDERDRAIN
DL	DEAD LOAD	MIN	MINIMUM	UDO	UNDERDRAIN OUTLET PIPE
DWG	DRAWING	MISC	MISCELLANEOUS	UE	UNDERGROUND ELECTRIC
E	EAST	N	NORTH	UGND	UNDERGROUND
EA	EACH	NLT	NOT LESS THAN	UNO	UNLESS NOTED OTHERWISE
ECM	EROSION CONTROL MAT	NTS	NOT TO SCALE	UOP	UNDERDRAIN OUTLET PIPE
EJ	EXPANSION JOINT	OC	ORIGINAL CONSTRUCTION	UXO	UNEXPLODED ORDINANCE
EL	ELEVATION	OD	OUTSIDE DIAMETER	VB	VINYL BASE
ELEC	ELECTRIC	OH	OVERHEAD	VC	VERTICAL CURVE
EOP	EDGE OF PAVEMENT	OPG	OPENING	VCT	VINYL COMPOSITION TILE
EOS	EDGE OF SHOULDER	OPP	OPPOSITE	VOL	VOLUME
EQ	EQUAL	PC	POINT OF CURVE	VERT	VERTICAL
EQUIP	EQUIPMENT	PD	PAVEMENT DRAIN	VTR	VENT THROUGH ROOF
EXH	EXHAUST	PI	POINT OF INFLECTION	W/	WITH
EXIST or (E)	EXISTING	PIV	POST INDICATOR VALVE	W	WEST
EXP	EXPANSION, EXPOSED	POT	POINT OF TANGENT	WL	WATER LEVEL
EXP JT	EXPANSION JOINT	PMP	PROBABLE MAXIMUM PRECIPITATION	WS	WATER SURFACE
EXT	EXTERIOR	PNL	PANEL	W/O	WITHOUT
FIG	FIGURE SINGLE	PSF	POUNDS PER SQUARE FOOT		

DREDGING LEGEND

- CHANNEL EDGELINE (TYP.)
- CHANNEL CENTERLINE
- COORDINATE - NORTHING AND EASTING
- A.S. #8 — ACCEPTANCE SECTION
- APPROXIMATE LOCATION OF WORK
- LIGHT BUOY
- BUOY
- APPROXIMATE BORDERS OF GOVERNMENT OWNED DISPOSAL AREAS TO BE USED IN CONTRACT
- REQUIRED DREDGING
- 42.40
- DD/MMM/YYYY — DD/MMM/YYYY — DATE OF SURVEYS
- 41 FOOT CONTOUR

CROSS SECTION LEGEND

- REQUIRED DREDGING
- ALLOWABLE OVERDEPTH
- EXISTING BOTTOM

DISPOSAL AREA LEGEND

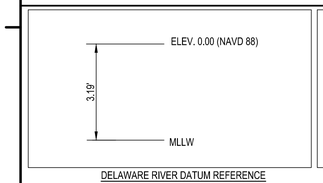
- BRUSHLINE
- CABLE MARKER
- CATCH BASIN
- CONTROL POINT
- DROP INLET
- FENCE
- FIRE HYDRANT
- GUARD RAIL
- LIGHT POLE
- MISCELLANEOUS POLE
- MONITORING WELL
- BUILDING
- PAVED ROAD
- DIRT ROAD
- SPOT ELEVATION (15.2)
- SIDEWALK
- BOUNDARY LINE
- PILE OUTLINE
- POST
- RAILROAD TRACKS
- SIGN
- SWAMP
- TRAFFIC LIGHT
- TRANSMISSION POLE
- TREE
- TREELINE
- UNIDENTIFIED OBJECT
- UTILITY POLE
- VALVE
- METAL COVER
- WATER LINE
- TRAIL
- MINOR CONTOUR
- MAJOR CONTOUR
- DEPRESSION CONTOUR
- RIP-RAP OUTLINE

GENERAL NOTES:

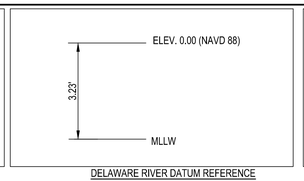
1. THE EXISTING SITE CONDITION SURVEYS ARE A RESULT OF SURVEYS CONDUCTED FROM 11 OCTOBER 2022 TO 16 NOVEMBER 2022, AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE CONDITIONS OCCURRING AT THAT TIME. EXACT SURVEY DATE IS NOTED ON EACH PLAN SHEET.
2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, US SURVEY FEET.
3. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW). SEE DETAILS ON THIS SHEET FOR THE TIDAL REFERENCE FROM NOAA'S TIDAL EPOCH - 1983-2001.
4. SOUNDINGS WERE SELECTED FOR PLOTTING PURPOSES ONLY USING THE MINIMUM DEPTH WITHIN A 30'x30' CELL AND SHIFTED TO THE CELL'S CENTER. HYPACK MATRIX PROGRAM WAS USED TO PERFORM THE SOUNDING SELECTION.
5. DUE TO VARIATIONS IN RESOLUTION BETWEEN COLOR BANDS AND CONTOURS, SOME MINOR DISCREPANCIES MAY BE NOTED. COLOR BANDS ARE FOR PLOTTING PURPOSES ONLY. SOUNDINGS USING THE AVERAGE DEPTH WITHIN A 3'X3' CELL, AND SHIFTING TO THE CELL'S CENTER. HYPACK MATRIX PROGRAM WAS USED TO PERFORM THE SOUNDING SELECTION.
6. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.
7. QUESTIONS CONCERNING BOTH HORIZONTAL AND VERTICAL CONTROL SHOULD BE DIRECTED TO PHILADELPHIA DISTRICT CORPS OF ENGINEERS SURVEY BRANCH POC, STEPHEN FARRELL, AT (215) 656-6790.
8. THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.
9. FOR CHANNEL CENTERLINE GEOMETRY, SEE THE CONTRACT SPECIFICATIONS.

GENERAL NOTES - DISPOSAL AREAS:

1. THE GOVERNMENT FURNISHED DISPOSAL AREAS AVAILABLE FOR USE UNDER THIS CONTRACT ARE PALMYRA COVE, MONEY ISLAND CELL A, AND BILES ISLAND DISPOSAL AREA. SEE SHEETS C-401 THROUGH C-403 FOR DISPOSAL AREA PLANS.
2. ALL DREDGED MATERIAL BETWEEN STATIONS 18+000 AND 96+000 MUST BE PLACED IN THE PALMYRA COVE DISPOSAL AREA. DREDGED MATERIAL ABOVE STATION 96+000 MUST BE PLACED IN EITHER THE MONEY ISLAND DISPOSAL AREA OR THE BILES ISLAND DISPOSAL AREA.
3. THE END OF ALL DISCHARGE PIPES SHALL BE LOCATED INSIDE THE DISPOSAL AREA LIMITS AS SPECIFIED IN THE CONTRACT SPECIFICATIONS SECTION 35 20 23. PIPE SHALL BE LOCATED SUCH THAT THE DISCHARGE DOES NOT SCOUR THE SLOPE FACE OR THE TOE-OF-SLOPE OF THE DISPOSAL AREA DIKE IN THE VICINITY OF THE DISCHARGE AREA.
4. BORROW FOR DIKING MATERIAL MAY BE OBTAINED FROM WITHIN THE DISPOSAL AREAS, BUT NOT CLOSER THAN 50 FEET FROM THE INSIDE TOE OF THE DIKE SECTIONS.
5. SHOULD THE CONTRACTOR DESIRE TO MODIFY THE DISCHARGE LIMITS SHOWN, APPROVAL MUST BE GRANTED BY THE CONTRACTING OFFICER PRIOR TO MODIFICATION.
6. TOPOGRAPHY SHOWN WAS GENERATED USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY DATED DECEMBER 19, 2018 AND UPDATED WITH A TOP OF DIKE SURVEY APRIL 06, 2020 FOR MONEY ISLAND DISPOSAL AREA. TOPOGRAPHY AT PALMYRA DISPOSAL AREA WAS GENERATED FROM AERIAL PHOTOGRAPHY DATED NOVEMBER 12, 1998. TOPOGRAPHY AT BILES WAS GENERATED FROM AERIAL PHOTOGRAPHY DATED JANUARY 7, 2021. THE INFORMATION SHOWN CAN ONLY BE CONSIDERED INDICATIVE OF THE SITE CONDITIONS AS THEY EXISTED AT THAT TIME. EARTHWORK ACTIVITIES HAVE TAKEN PLACE SINCE THE DATE OF PHOTOGRAPHY. CONTRACTORS ARE ENCOURAGED TO VISIT THE SITES WHERE WORK IS TO BE PERFORMED TO ACQUAINT THEMSELVES WITH EXISTING CONDITIONS THAT COULD AFFECT THE PROJECT COST.
7. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, US SURVEY FEET.
8. THE VERTICAL REFERENCE FOR PALMYRA COVE IS NAVD88.
9. THE VERTICAL REFERENCE FOR MONEY ISLAND DISPOSAL AREA IS MSL WHICH IS 0.48 ABOVE NAVD88.
10. THE VERTICAL REFERENCE FOR BILES ISLAND IS MSL, EXCEPT FOR THE SOUNDINGS SHOWN IN AREAS 2 THROUGH 4 ARE BASED ON NAVD88.



DELAWARE RIVER DATUM REFERENCE
(BRIDGEBURG TO DEVLIN RANGE)
STA. 16+617.06 TO 79+508.34
N.T.S.



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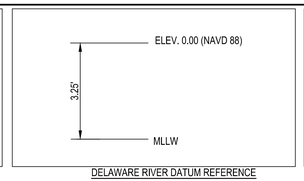

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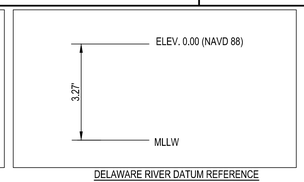

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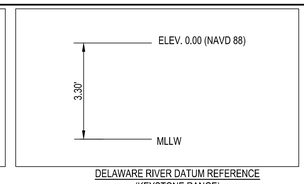

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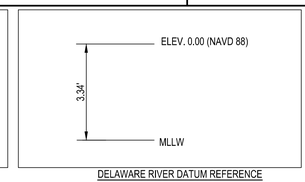

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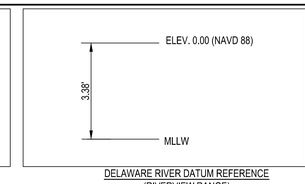

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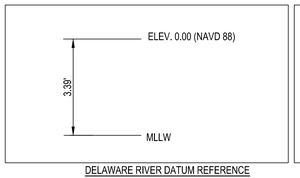

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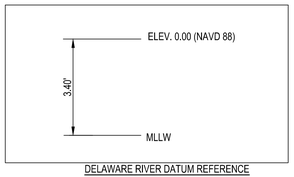

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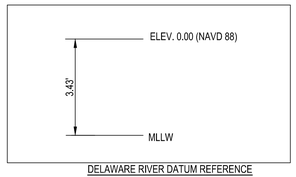
N.T.S.



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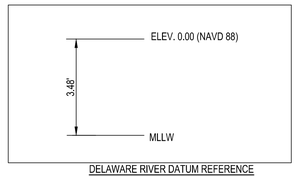

DELAWARE RIVER DATUM REFERENCE
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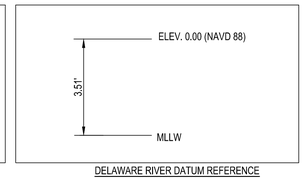

DELAWARE RIVER DATUM REFERENCE
(KINKORA RANGE)
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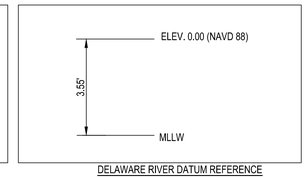
N.T.S.



DELAWARE RIVER DATUM REFERENCE
(PENN TO NEWBOLD RANGE)
STA. 119+400.85 TO 124+676.76
N.T.S.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

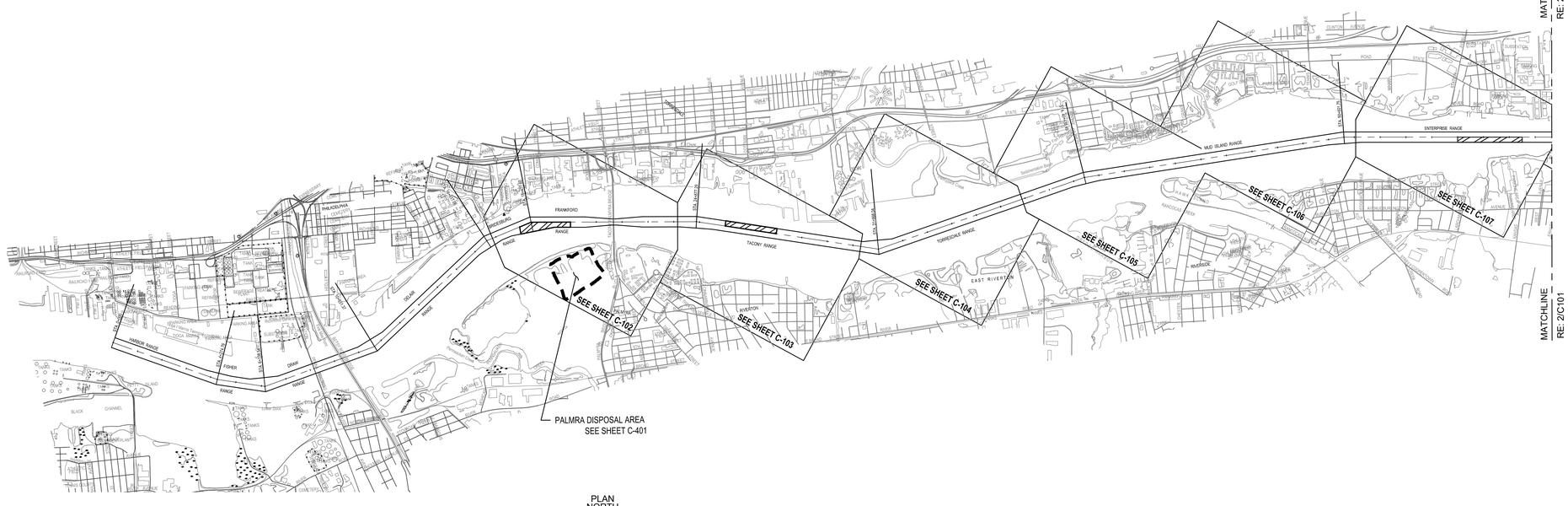
MARK	ACTION	DESCRIPTION	DATE	BY

DWN BY: JHD | DES BY: JHD | ISSUE/SUBMITTAL DATE: 11 APR 2023
CKD BY: DAN | REVIEWED BY: DAN | SOLICITATION NUMBER: W912BV23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 22"X17"
FILE NAME: 01N

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
GENERAL INFORMATION SHEET

SHEET NUMBER
C-001

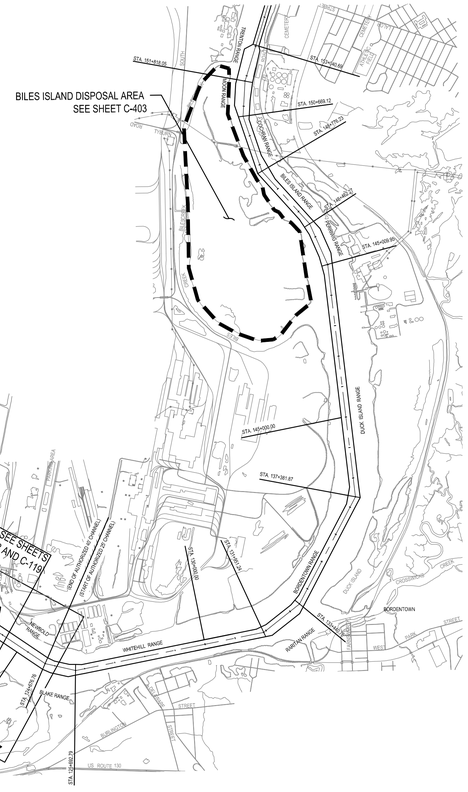


PLAN NORTH

1 GENERAL PLAN STA. 0+000 TO STA. 58+657.7

2000' 1000' 0 2000'

SCALE IN FEET



PLAN NORTH

2 GENERAL PLAN STA. 58+657.7 TO STA. 153+040.9

2000' 1000' 0 2000'

SCALE IN FEET

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. FOR CHANNEL SECTIONS SEE SHEETS C-301 AND C-302, AND FAIRLESS TURNING BASIN SECTIONS ON SHEET C-303.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

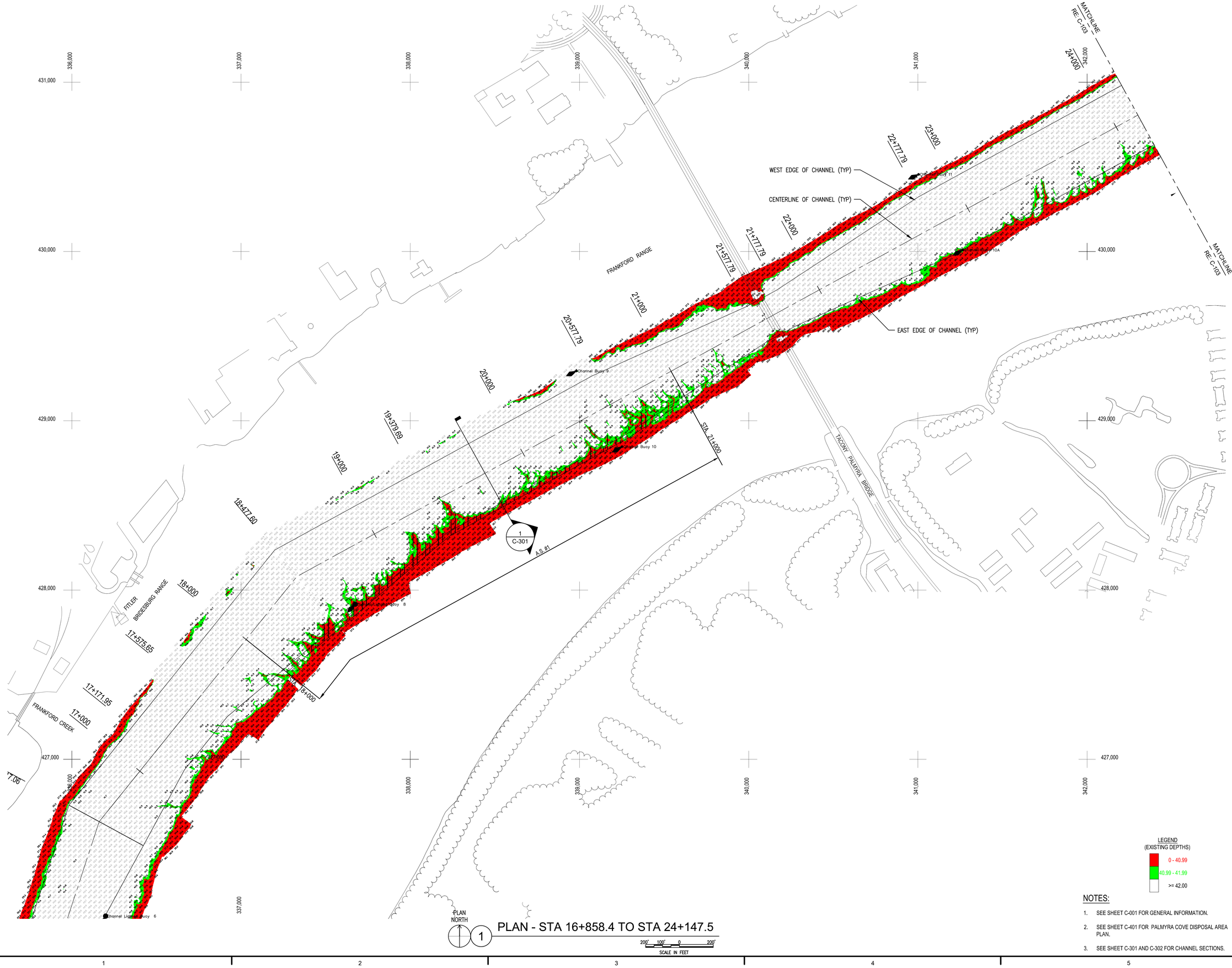
MARK	ACTION	DESCRIPTION	DATE	BY

DWN BY: JRD	DES BY: JRD	ISSUE/SUBMITTAL DATE: 11 APR 2023	
CHK BY: DAA	REVIEWED BY: DAA	SOLICITATION NUMBER: W912DS23B0004	
		CONTRACT NUMBER: -	
		PLOT SCALE: -	
		DWG. SIZE: 22"x34"	FILE NAME: C101 PLAN - GENERAL.dgn

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
PLAN - GENERAL

SHEET NUMBER
C-101



LEGEND
(EXISTING DEPTHS)

- 0 - 40.99
- 40.99 - 41.99
- >= 42.00

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

PLAN NORTH

1 PLAN - STA 16+858.4 TO STA 24+147.5

200' 100' 0 200'
SCALE IN FEET

US Army Corps of Engineers
PHILADELPHIA DISTRICT

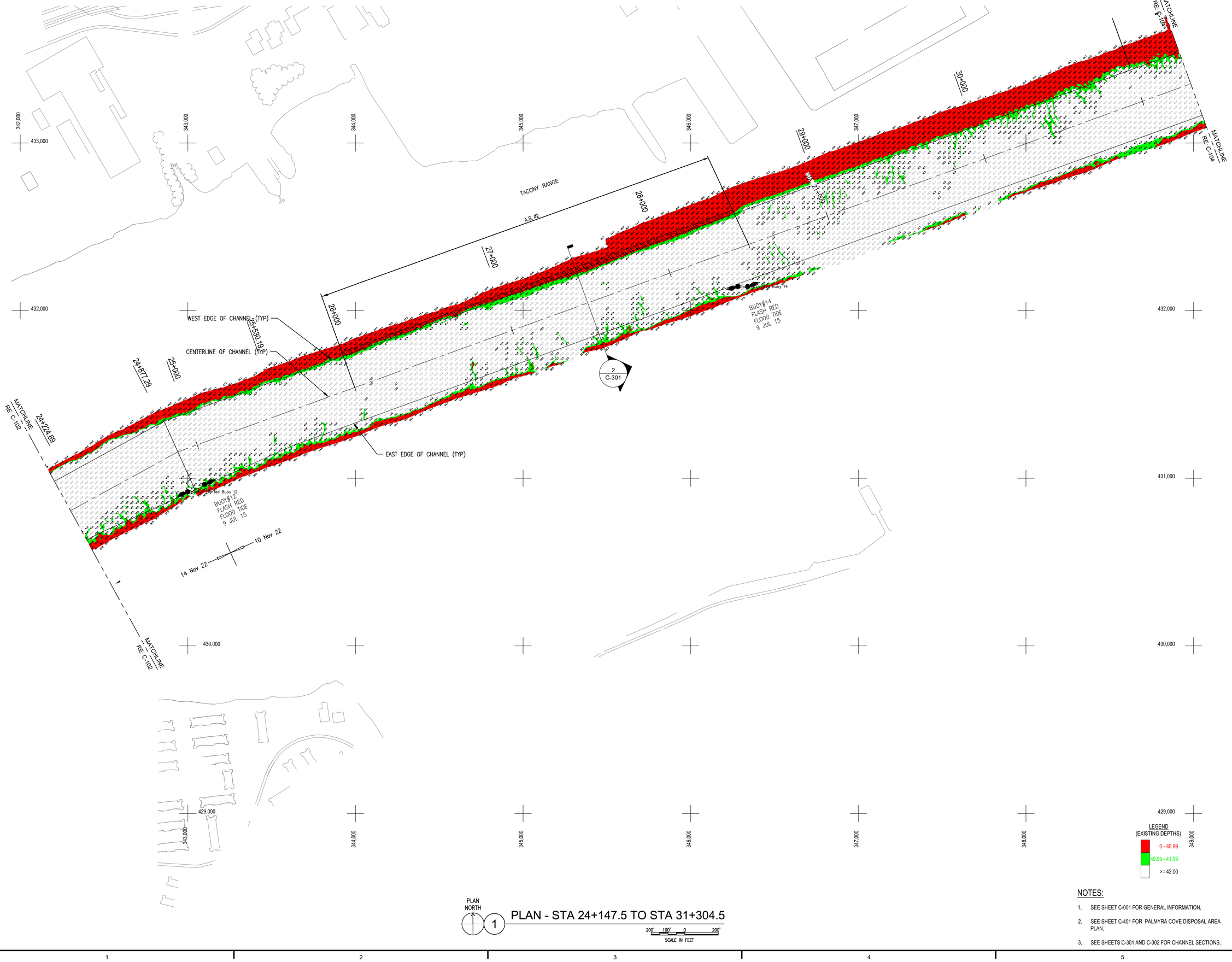
MARK	ACTION	DESCRIPTION	DATE	BY

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DWN BY: JMD
CKD BY: DAA
DES BY: JMD
REVIEWED BY: DAA
ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BV23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 30"x42"
FILE NAME: C:\PDS\CAD\...\STA 16+858 TO STA 24+148.dwg

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
PLAN - STA. 16+858 TO STA. 24+148

SHEET NUMBER
C-102



NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEETS C-301 AND C-302 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

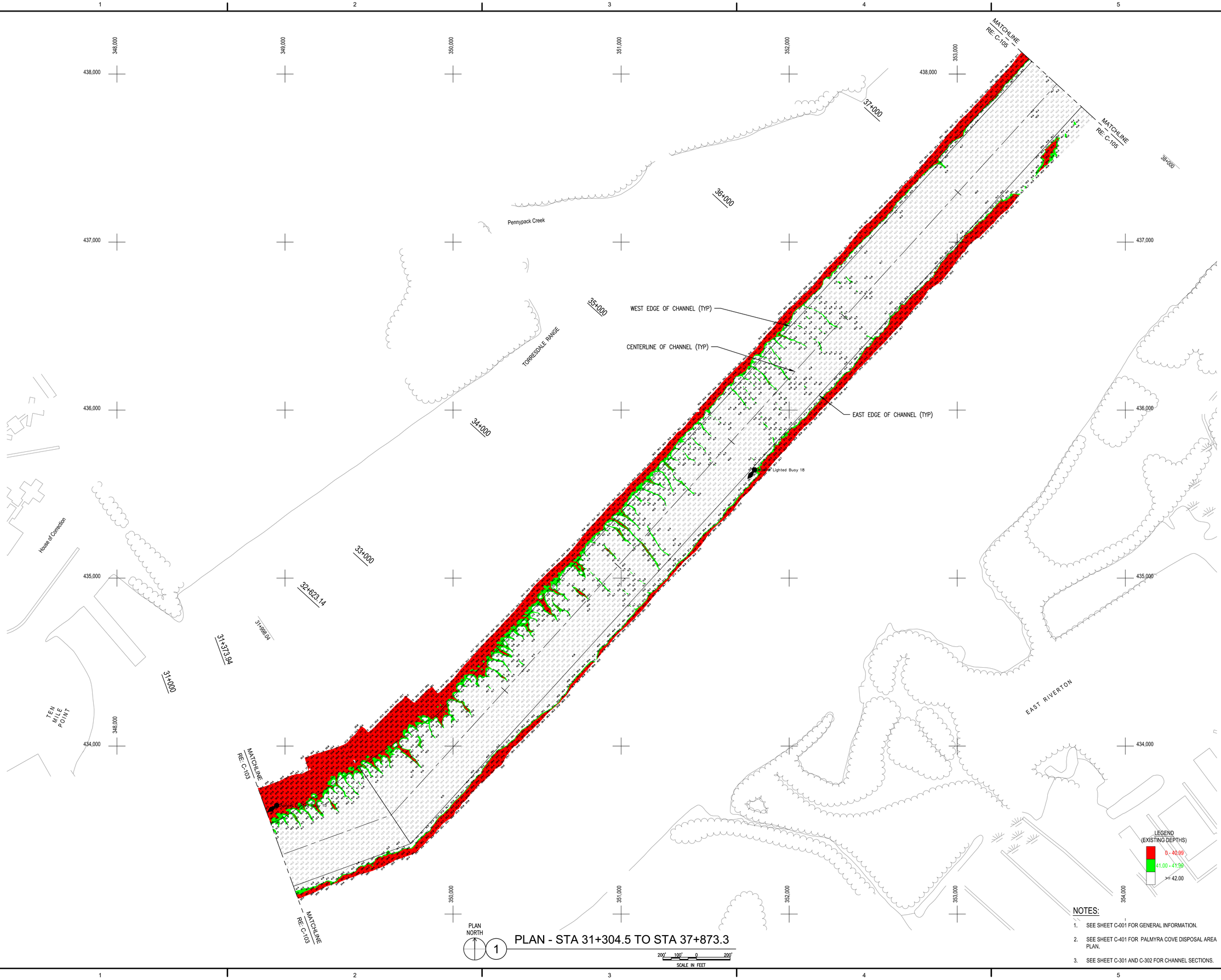
MARK	ACTION	DESCRIPTION	DATE	BY

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DWN BY: JHD
CHD BY: DAA
DES BY: JHD
REVIEWED BY: DAA
ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BU23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 30"x42"
FILE NAME: C-103 PLAN - STA. 24+148 TO STA 31+305.dwg

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - STA. 24+148 TO STA.31+305
-

SHEET NUMBER
C-103



NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

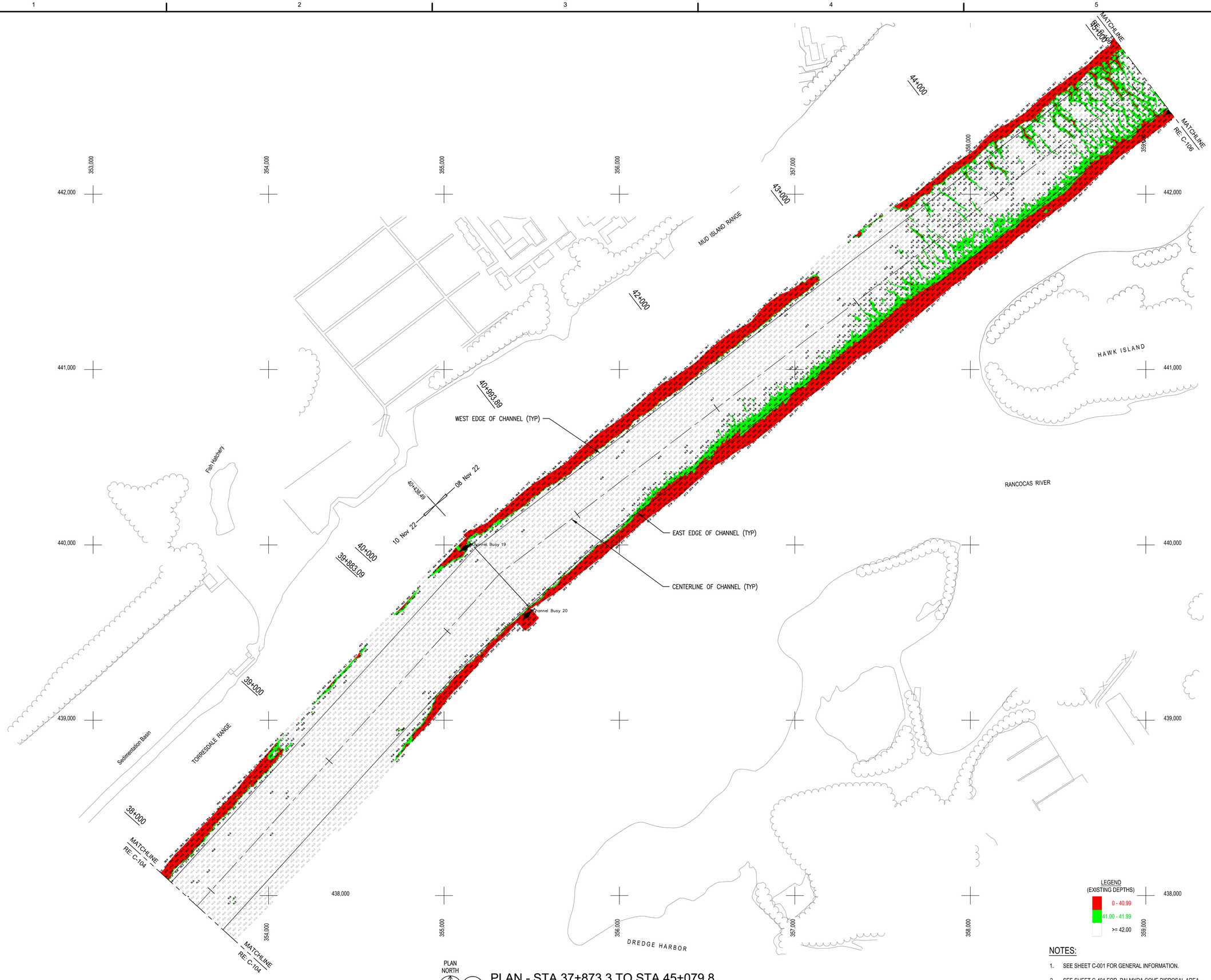
DATE	BY	DESCRIPTION

DES BY: JHD
REVIEWED BY: DMK
ISSUED/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912DS23B0001
CONTRACT NUMBER: -
DWN BY: JHD
CAD BY: DMK
PLOT SCALE: -
DWG. SIZE: 22"x17"
FILE NAME: C-104 MAIN STA 31+305 TO STA 37+873.dwg

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
PLAN - STA. 31+305 TO STA. 37+873
-

SHEET NUMBER
C-104



NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ADDN	DESCRIPTION	DATE	BY

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DWN BY:	DES BY:	ISSUED/SUBMITTAL DATE:
JHD	JHD	11 APR 2023
CKD BY:	REVIEWED BY:	SOLICITATION NUMBER:
MKK	DMA	W912BV23B0001
PLOT SCALE:	CONTRACT NUMBER:	
-	-	
DWG. SIZE:	FILE NAME:	
22"x17"	C:\SP\ANN STA 37+873 TO STA 45+080.dwg	

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
PLAN - STA 37+873 TO STA 45+080
-

SHEET NUMBER

C-105

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
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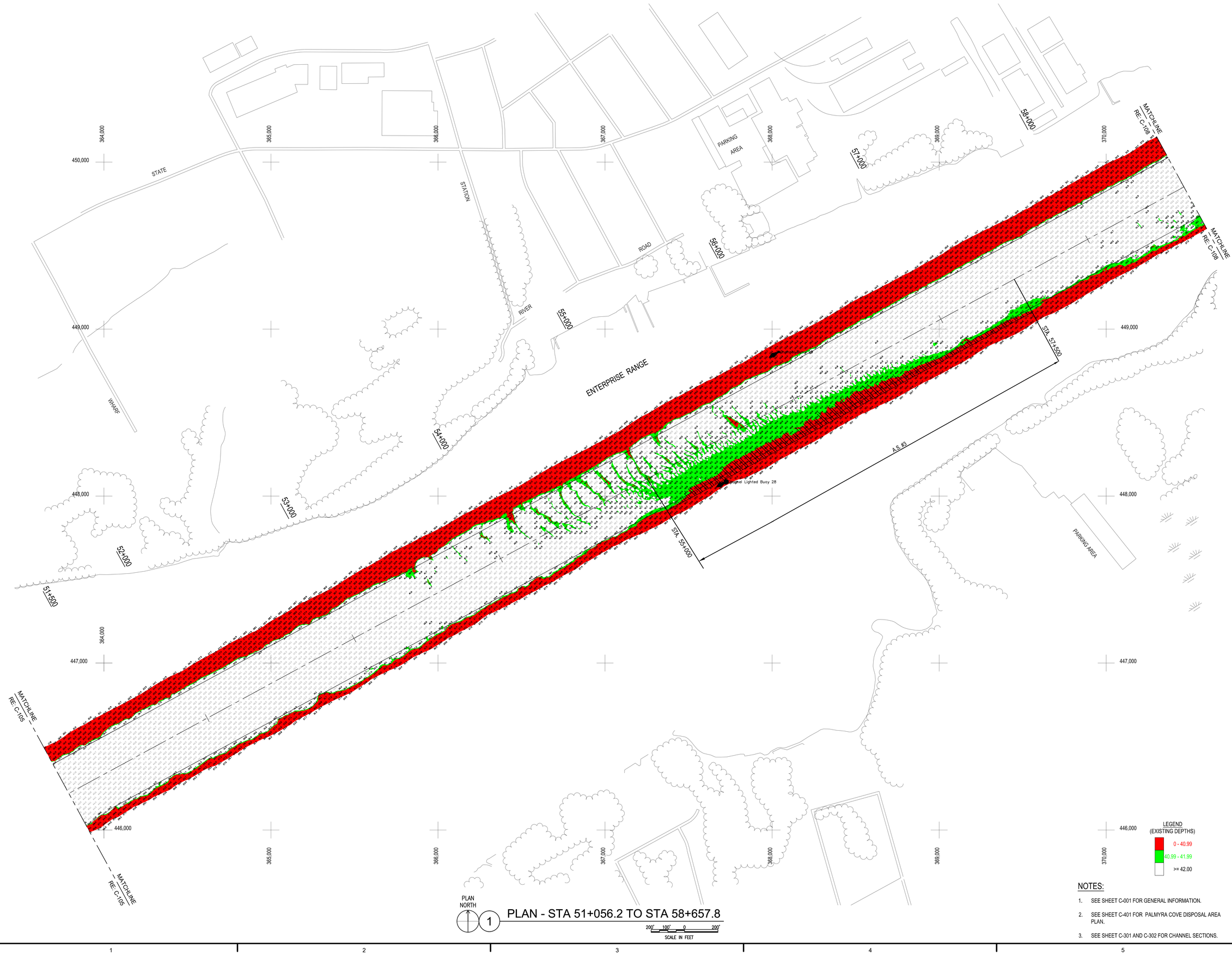
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DWN BY: JMD
CKD BY: LKA
DES BY: JMD
REVIEWED BY: DWS
ISSUED/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BV23B0001
CONTRACT NUMBER: -
PLOT SCALE: 1 = 1
DWG. SIZE: 22"x17"
FILE NAME: C-106 PLAN - STA. 45+080 TO STA. 51+056.dwg

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
PLAN - STA. 45+080 TO STA. 51+056
-

SHEET NUMBER
C-106



PLAN NORTH

1 PLAN - STA 51+056.2 TO STA 58+657.8

200' 100' 0 200'

SCALE IN FEET

LEGEND (EXISTING DEPTHS)

- 0 - 40.99
- 40.99 - 41.99
- >= 42.00

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

BY	DATE	DESCRIPTION
		MARK/ ACTION

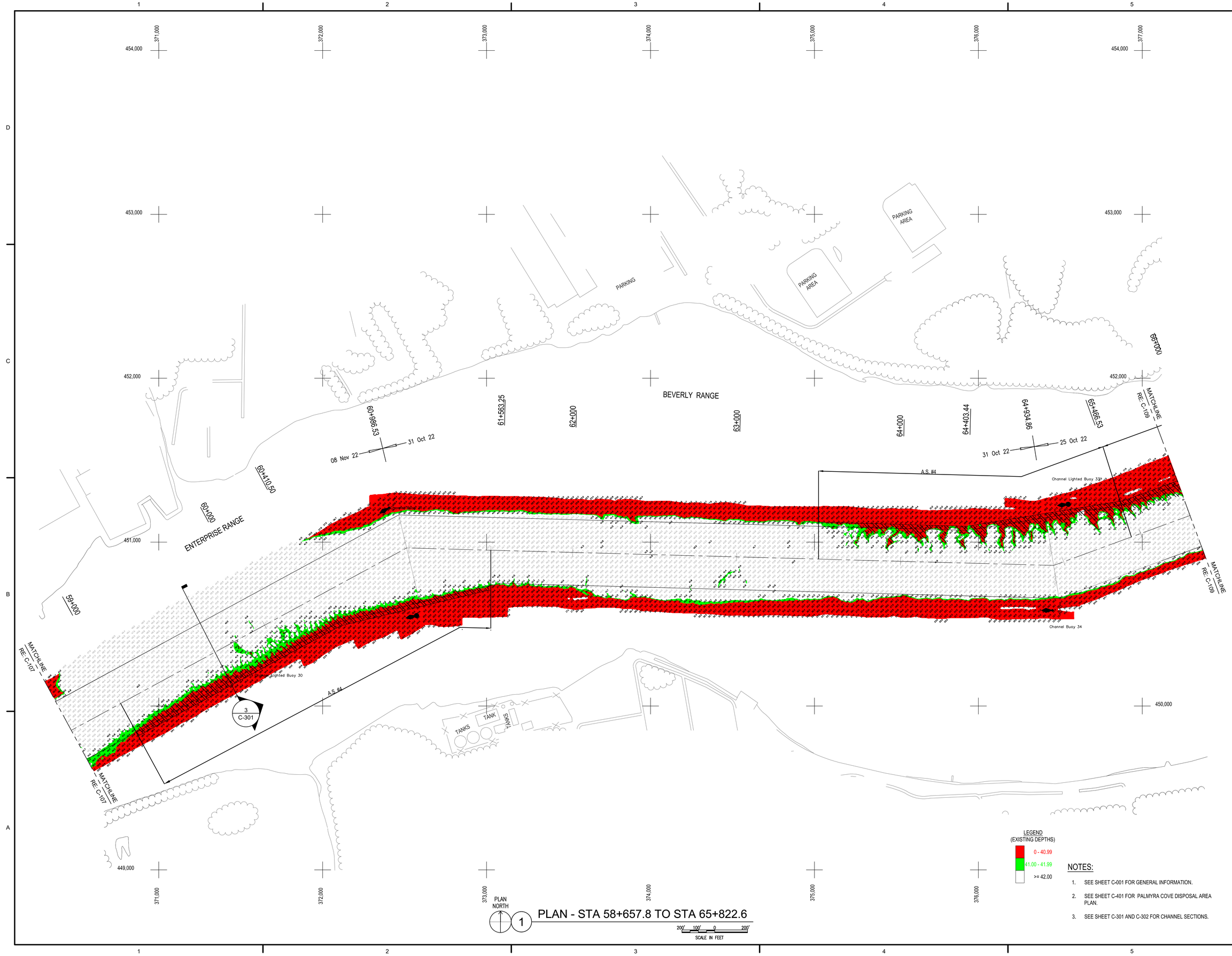
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DWN BY: JMD	DES BY: JMD	ISSUED/SUBMITTAL DATE: 11 APR 2023	
CHD BY: DAA	REVIEWED BY: DMK	LOCATION NUMBER: 1PC0108	
		CONTRACT NUMBER: -	
PLOT SCALE: -			
DWG. SIZE: 22"x34"		FILE NAME: C:\2019\ALL STA 51+056 TO STA 58+658.dwg	

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
PLAN - STA. 51+056 TO STA. 58+658
-

SHEET NUMBER

C-107



US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
-	-	-	-	-

DWN BY: JRD
CHD BY: DAL
DES BY: JRD
REVIEWED BY: RER
ISSUE/RESUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BV23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 30"x42"
FILE NAME: C-108 PLAN- STA. 58+658 TO STA. 65+823.dwg

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
PLAN - STA. 58+658 TO STA. 65+823

SHEET NUMBER
C-108

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY

DWN BY: JMD	DES BY: JMD	ISSUE/SUBMITTAL DATE: 11 APR 2023	
CHK BY: DAK	REVIEWED BY: DAK	SOLICITATION NUMBER: W912BV23B0001	
		CONTRACT NUMBER: -	
PLOT SCALE: -		FILE NAME: C-109 (24x36) STA 65+822.7 TO STA. 73+093.dgn	
DWG. SIZE: 24"x36"			

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
PLAN - STA. 65+822 TO STA. 73+093

SHEET NUMBER
C-109

PLAN - STA 73+093.0 TO STA 80+426.1

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

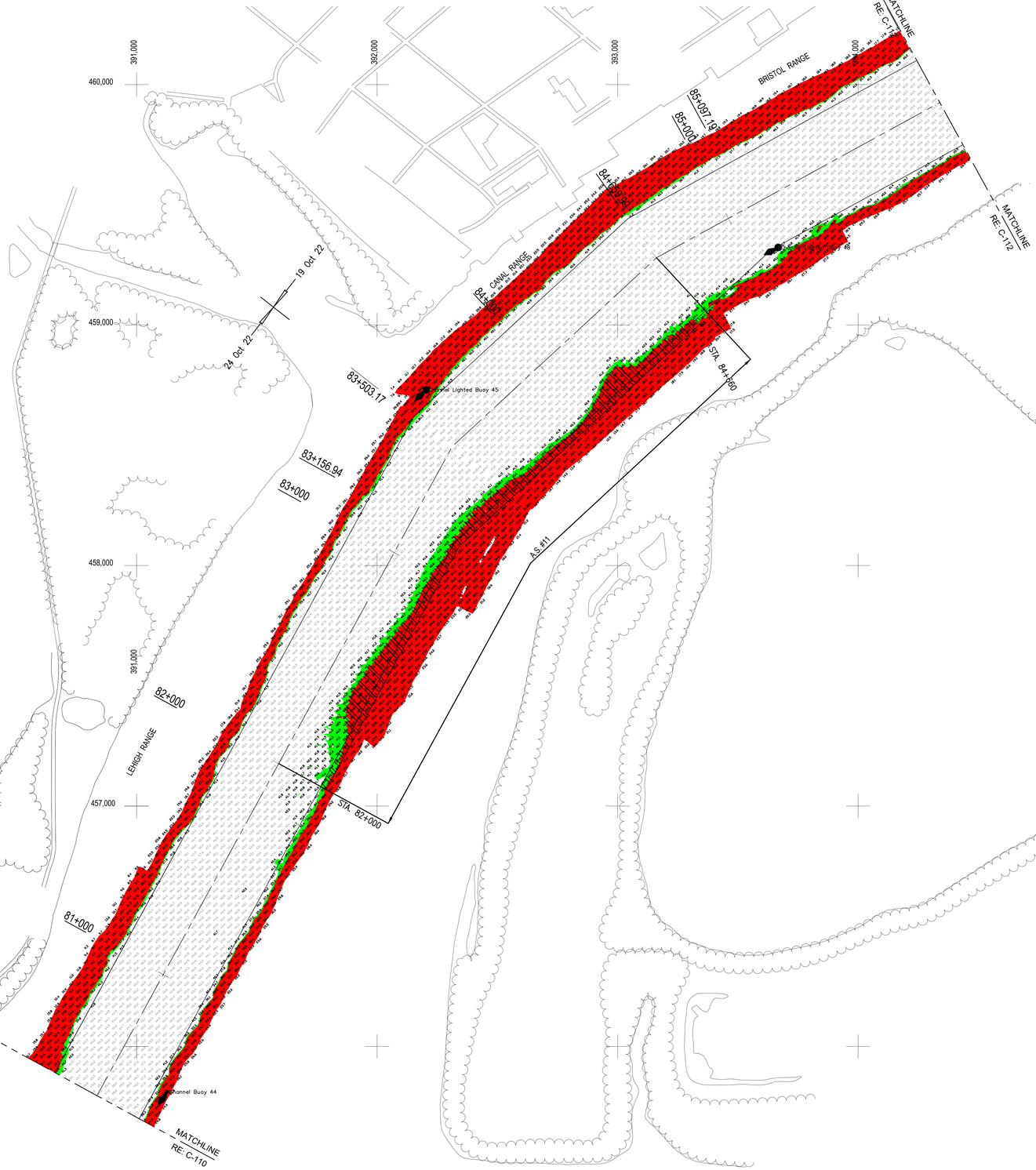
MARK	ACTION	DESCRIPTION	DATE	BY

DWN BY: JMD
CHD BY: DAK
DES BY: JMD
REVIEWED BY: DAK
ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BV23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 22"x34"
FILE NAME: C-110(24)_STA_73+093 TO STA_80+426.dwg

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - STA. 73+093 TO STA. 80+426
-

SHEET NUMBER
C-110



LEGEND
(EXISTING DEPTHS)

- 0 - 39.99
- 40.00 - 40.99
- >= 42.00

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

PLAN NORTH

1 PLAN - STA 80+426.1 TO STA 86+000

200' 100' 0 200'
SCALE IN FEET

US Army Corps of Engineers
PHILADELPHIA DISTRICT

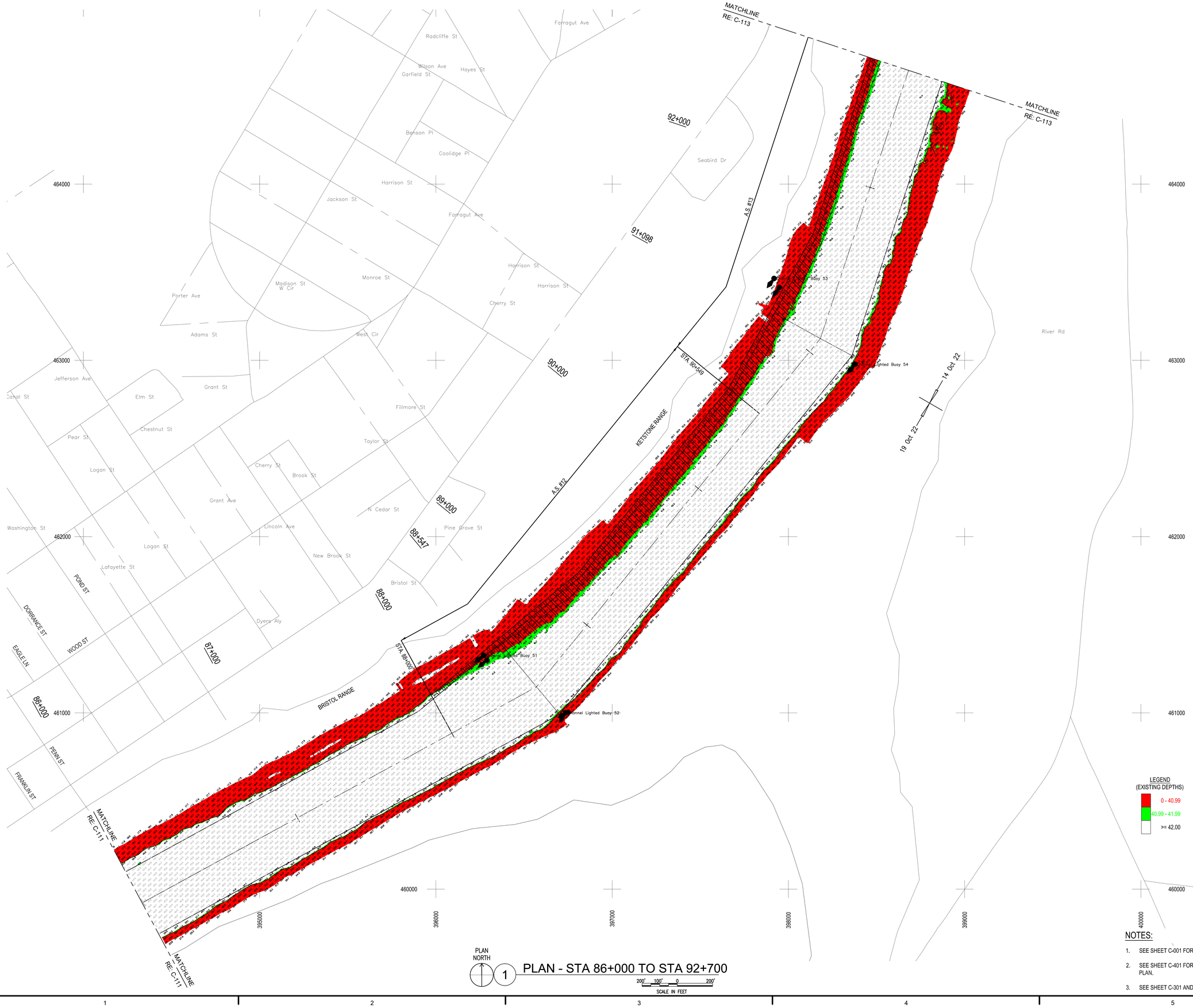
MARK	ACTION	DESCRIPTION	DATE	BY
-	-	-	-	-

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DES BY: JHD	ISSUED/SUBMITTAL DATE: 11 APR 2023	DWN BY: JHD	PLOT SCALE: -
REVIEWED BY: DBA	SPECIFICATION NUMBER: 95-1-0070	CHK BY: DBA	DWG. SIZE: 22"x34"
	CONTRACT NUMBER: -		FILE NAME: C-111.DGN, STA. 80+426 TO STA. 86+000.dgn

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - STA. 80+426 TO STA. 86+000
-

SHEET NUMBER
C-111



LEGEND
(EXISTING DEPTHS)

- 0 - 40.99
- 40.99 - 41.99
- >= 42.00

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN.
3. SEE SHEET C-301 AND C-302 FOR CHANNEL SECTIONS.

PLAN NORTH

1 PLAN - STA 86+000 TO STA 92+700

200' 100' 0 200'
SCALE IN FEET

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DATE	BY

ISSUE/SUBMITTAL DATE:
11 APR 2023
SPECIFICATION NUMBER:
W912BV23B0001

DWN BY:	DES BY:
JHD	JHD
CHK BY:	REVIEWED BY:
DAK	DAK

CONTRACT NUMBER:
-

PLOT SCALE
-

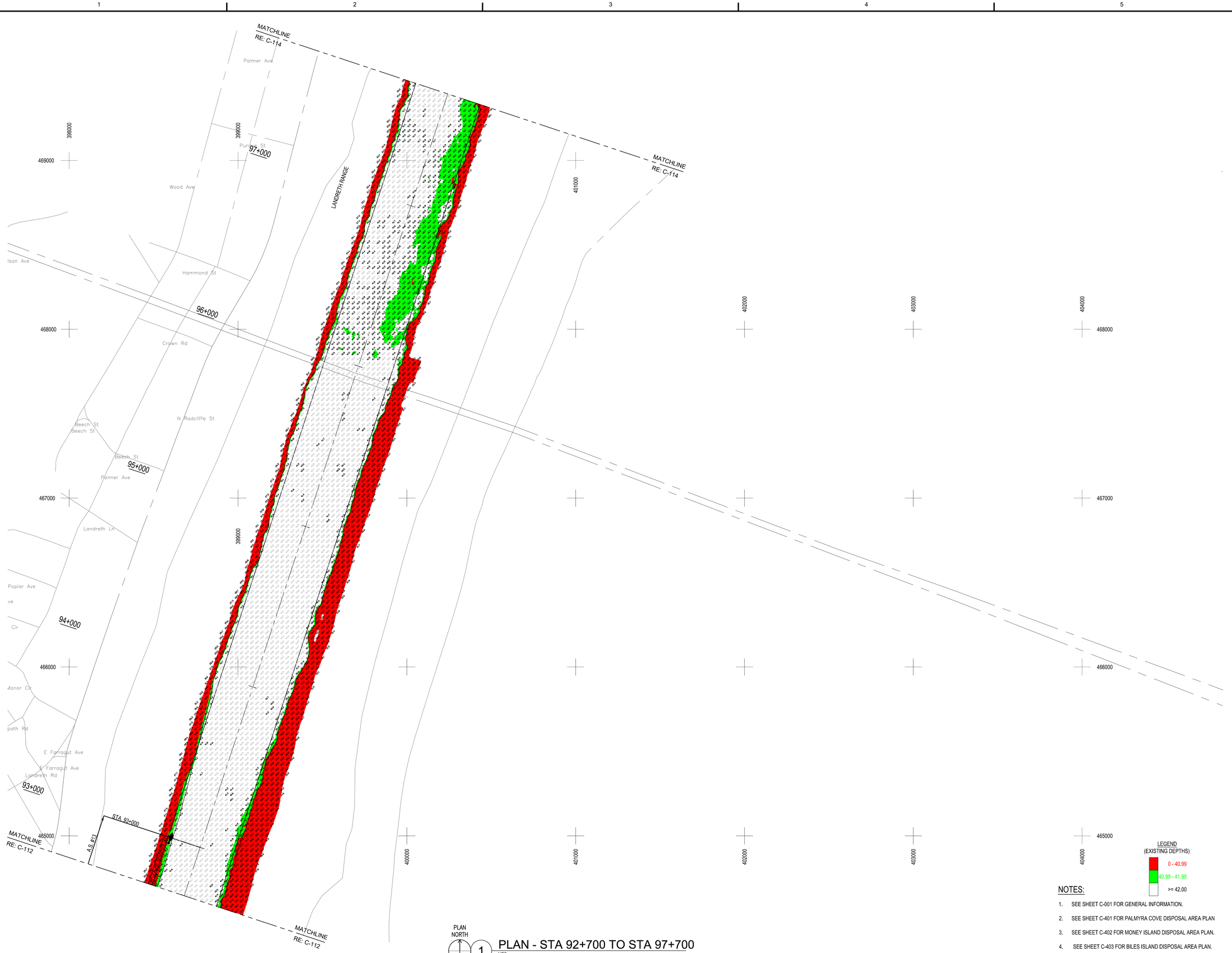
DWG. SIZE:
22"x34"

FILE NAME:
C-112 PLAN - STA 86+000 TO STA 92+700.dwg

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - STA 86+000 TO STA 92+700
-

SHEET NUMBER
C-112



PLAN NORTH

1 PLAN - STA 92+700 TO STA 97+700
NTS

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR PALMYRA COVE DISPOSAL AREA PLAN
3. SEE SHEET C-402 FOR MONEY ISLAND DISPOSAL AREA PLAN.
4. SEE SHEET C-403 FOR BILES ISLAND DISPOSAL AREA PLAN.
5. SEE SHEET C-301 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY

DES BY: JHD		ISSUED/SUBMITTAL DATE: 11 APR 2023	
DWN BY: JHD	RE-REVIEWED BY: BKA	REVISION NUMBER: INITIAL ISSUE	
CHD BY: DAA		CONTRACT NUMBER: -	
DWG. SIZE: 22"x34"	PLOT SCALE: -	FILE NAME: C-113 PLAN - STA 92+700 TO STA 97+700.dwg	

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - STA. 92+700 TO STA. 97+700
-

SHEET NUMBER
C-113

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-402 FOR MONEY ISLAND DISPOSAL AREA PLAN.
3. SEE SHEET C-301 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

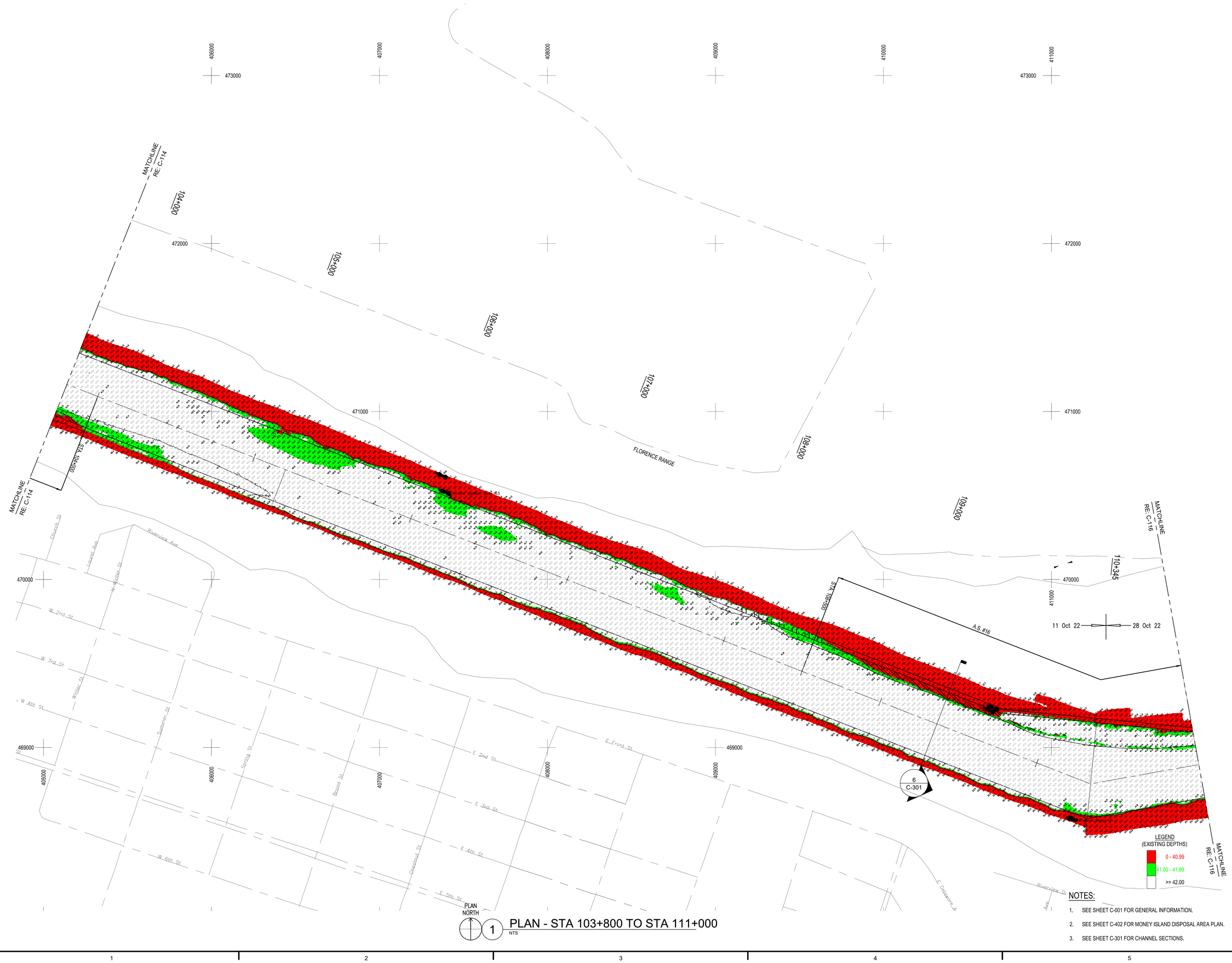
MARK	ACTION	DESCRIPTION	DATE	BY

DES BY: JRD	ISSUE/SUBMITTAL DATE: 11 APR 2023	CONTRACT NUMBER: -	
REVIEWED BY: GMB	SOLICITATION NUMBER: W912BV23B0001		
DWN BY: JRD	CHD BY: DAN	PLOT SCALE: -	DWG. SIZE: 30"x42"
FILE NAME: C-114 PLAN - STA. 97+700 TO STA. 103+800.dgn			

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
PLAN - STA. 97+700 TO STA. 103+800

SHEET NUMBER
C-114



US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY

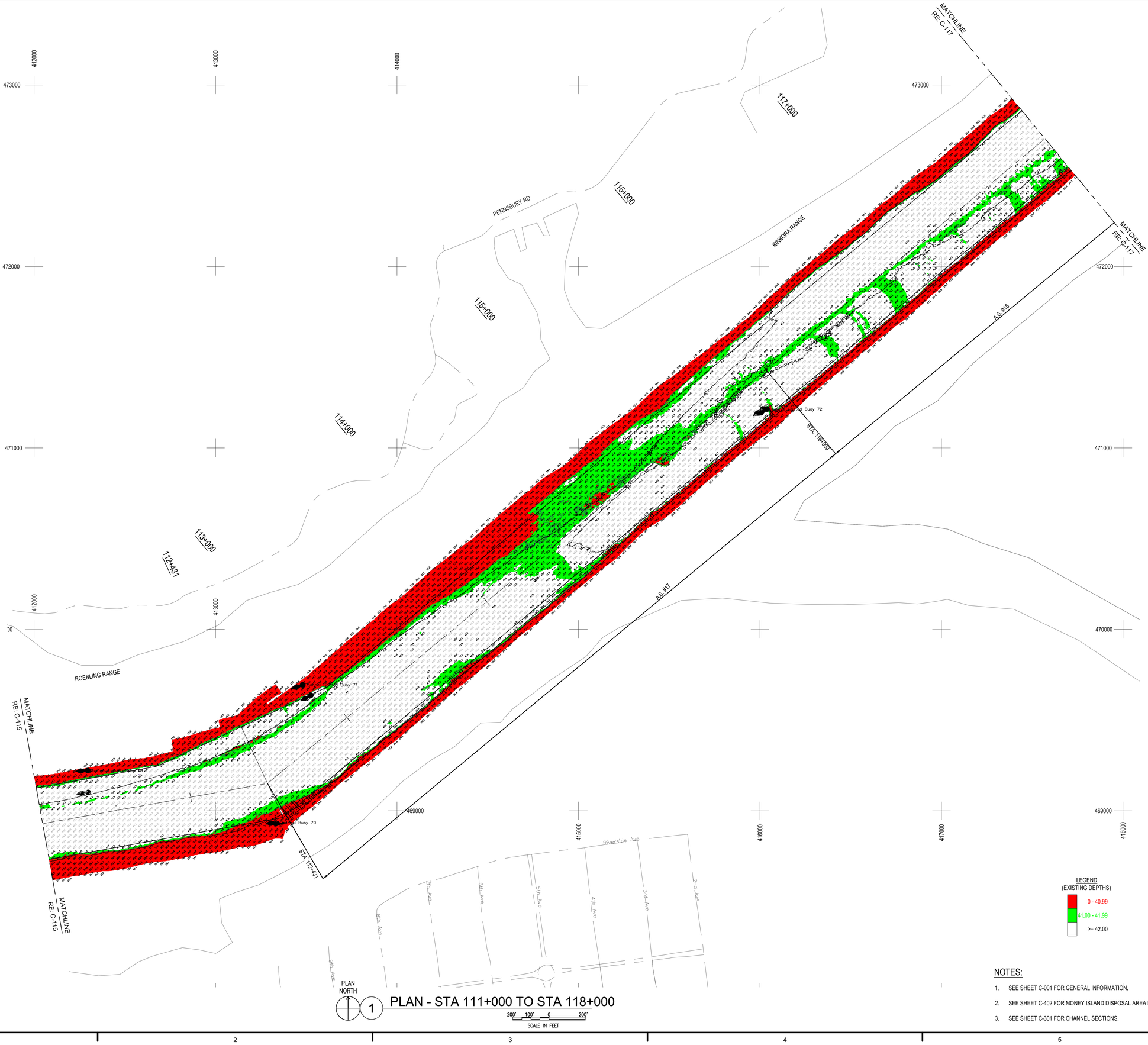
ISSUE/SUBMITTAL DATE:
11 APR 2023
SOLICITATION NUMBER:
W912BV23B0001
CONTRACT NUMBER:
-

DES BY: JHD
REVIEWED BY: MAK
DWN BY: JHD
CKD BY: DAK
PLOT SCALE: -
DWG. SIZE: 22"x34"
FILE NAME: C-115 PLAN - STA. 103+800 TO STA. 111+000.dgn

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
PLAN - STA. 103+800 TO STA. 111+000
-

SHEET NUMBER
C-115



US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
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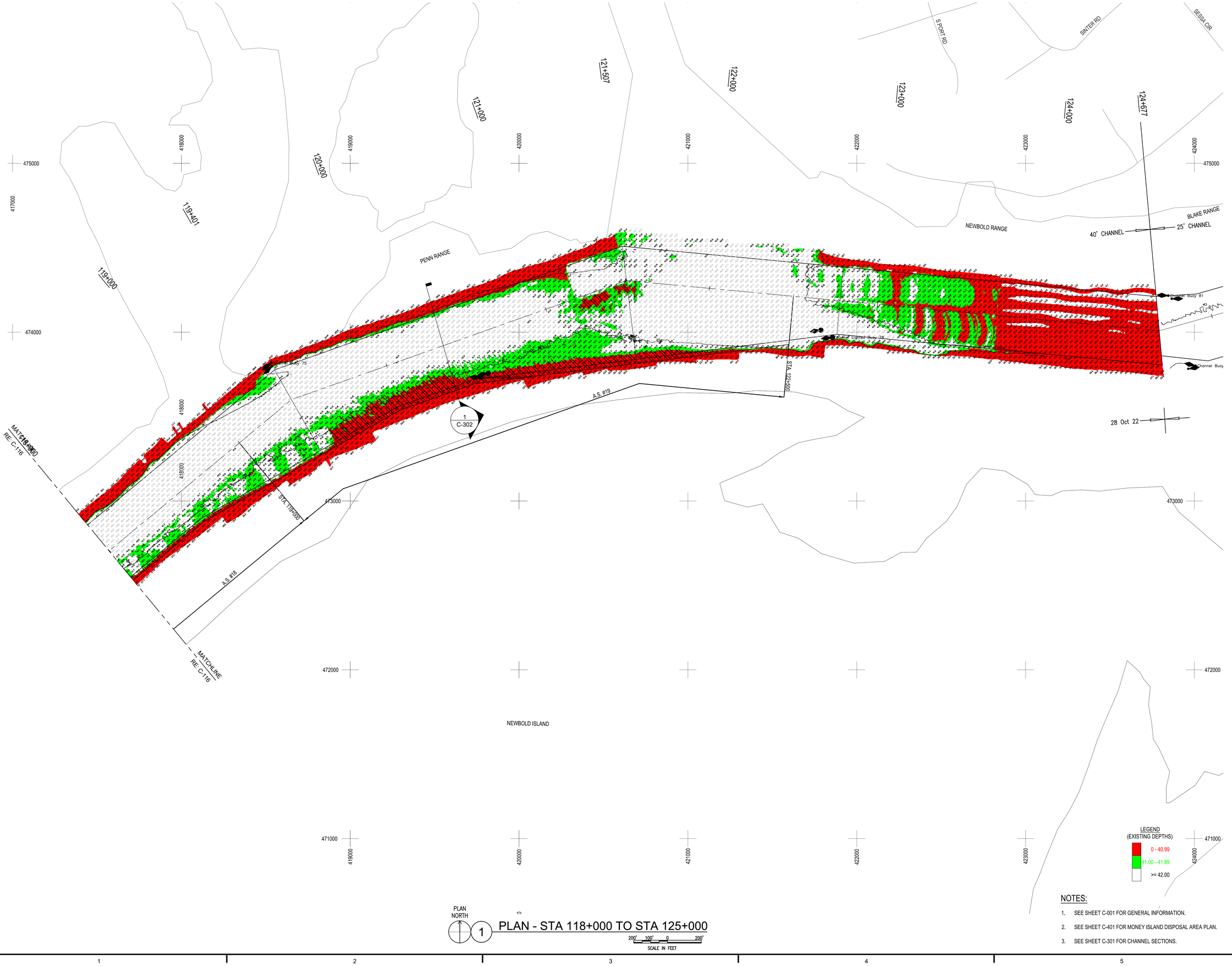
DES'D BY: JHD
DRAWN BY: JHD
CHK'D BY: DAK
REVIEWED BY: DAK
ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912DS23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 22"x34"
FILE NAME: C-116.PLAN - STA. 111+000 TO STA. 118+000.dgn

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - STA. 111+000 TO STA. 118+000
-

SHEET NUMBER
C-116



NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-401 FOR MONEY ISLAND DISPOSAL AREA PLAN.
3. SEE SHEET C-301 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY

DES BY:	JMD
DRAWN BY:	JMD
CHK BY:	DAL
REVIEWED BY:	DAL
ISSUE/SUBMITTAL DATE:	11 APR 2023
SOLICITATION NUMBER:	W912BV23B0001
CONTRACT NUMBER:	-
PLOT SCALE	-
DWG. SIZE:	22"x34"
FILE NAME:	C-117 PLAN - STA. 118+000 TO STA. 125+000.dgn

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
PLAN - STA. 118+000 TO STA. 125+000

SHEET NUMBER
C-117

COLOR BAND ELEVATION LEGEND

< 40.99

41.00 – 41.99

>= 42.00

CHANNEL LIMITS

A.S. #1

LIMIT OF TURNING BASIN

FAIRLESS TURNING BASIN CENTERLINE

LIMIT OF TURNING BASIN

FEDERAL CHANNEL LIMIT OF TURNING BASIN

EXISTING BULKHEAD

DELAWARE RIVER CHANNEL CENTERLINE

3 C-303

1 C-303

2 C-303

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-402 FOR MONEY ISLAND DISPOSAL AREA PLAN.
3. SOUNDINGS HAVE BEEN PLOTTED USING A MINIMUM DEPTH WITHIN 30'X30' CELL, SHIFTING TO THE CELLS CENTER
4. THE EXISTING SOUNDINGS SHOWN ARE A RESULT OF SURVEYS CONDUCTED ON DEC 13, 2021, DATA IS AVAILABLE AND CAN BE PROVIDED BY SURVEYS. DATA CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE CONDITIONS OCCURRING AT THE TIME.
5. SEE SHEET C-303 FOR CHANNEL SECTIONS AT FAIRLESS TURNING BASIN.

PLAN NORTH

1 PLAN - FAIRLESS TURNING BASIN

100' 50' 0 100'

SCALE IN FEET

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

DWN BY: JRD	DES BY: JRD	ISSUED/SUBMITTAL DATE: 11 APR 2023	
CHD BY: LMA	REVIEWED BY: EWS	SOLICITATION NUMBER: W912BV23B0001	
		CONTRACT NUMBER: -	
PLOT SCALE: 1 = 1			
DWG. SIZE: 22"x34"		FILE NAME: C-118 PLAN - FAIRLESS TURNING BASIN.dwg	

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

MAINTENANCE DREDGING
-
DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
PLAN - FAIRLESS TURNING BASIN
-

SHEET NUMBER

C-118

PLAN NORTH

1 PLAN - FAIRLESS TURNING BASIN GEOMETRY

100' 50' 0 100'

SCALE IN FEET

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEET C-402 FOR MONEY ISLAND DISPOSAL AREA PLAN.
3. SEE SHEET C-301 FOR CHANNEL SECTIONS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
-	-	-	-	-
-	-	-	-	-

ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BV23B0001
CONTRACT NUMBER: -

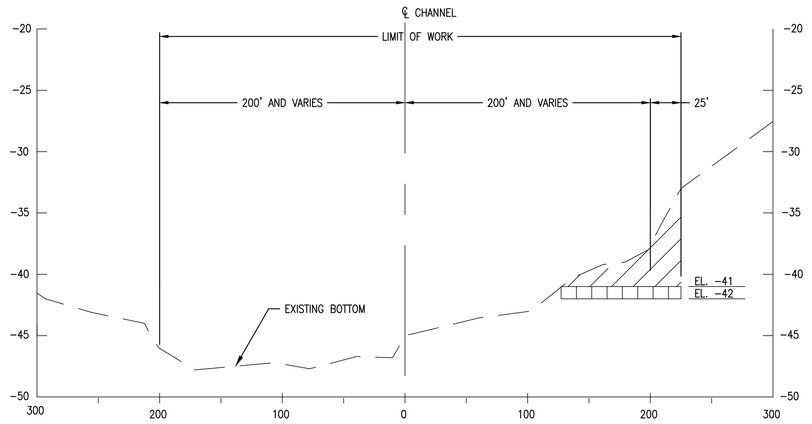
DES BY:	REVIEWED BY:	PLOT SCALE:
JHD	RMK	-
DWN BY:	CHD BY:	DWG. SIZE:
JHD	DMK	22"x17"

FILE NAME: C-119 PLAN - FAIRLESS TURNING BASIN.dwg

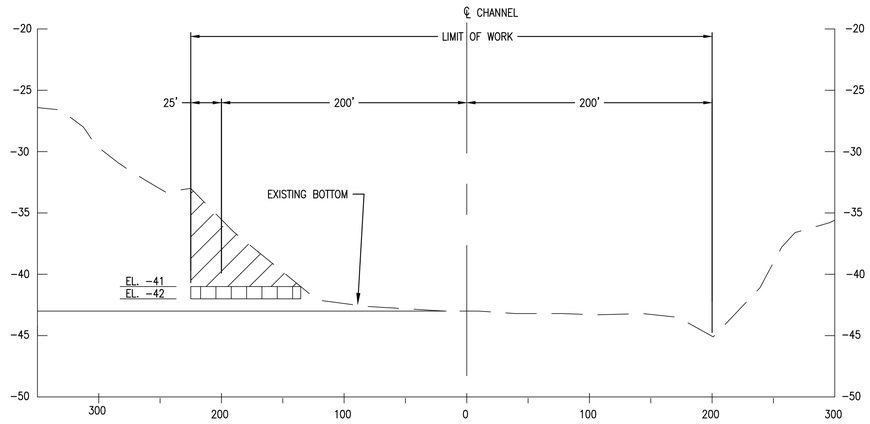
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - FAIRLESS TURNING BASIN GEOMETRY
-

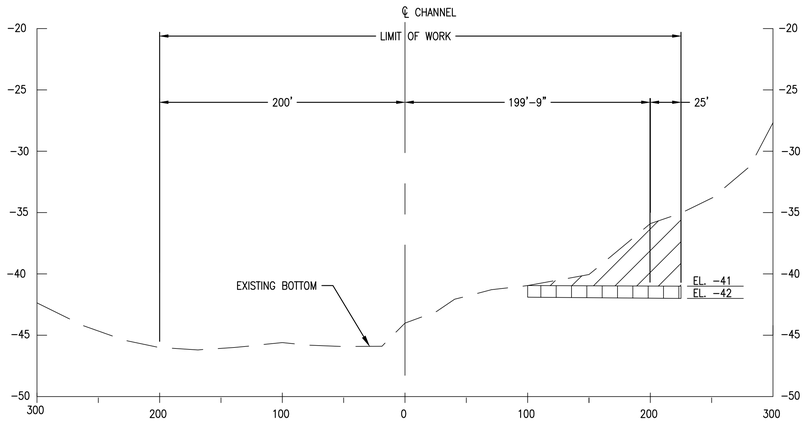
SHEET NUMBER
C-119



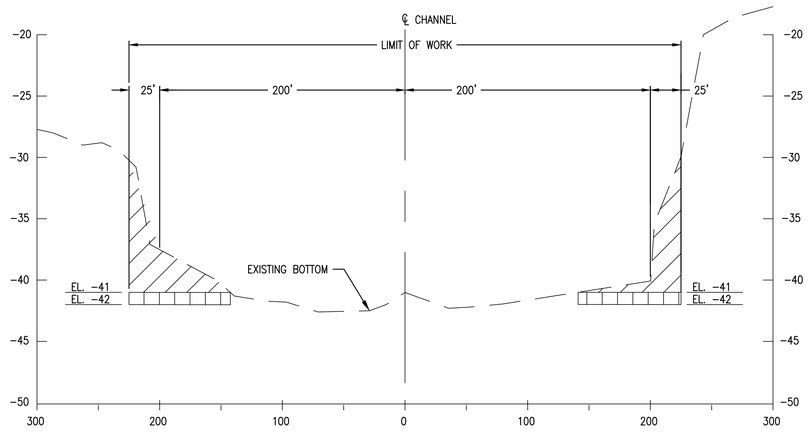
1 STA. 19+650
NTS



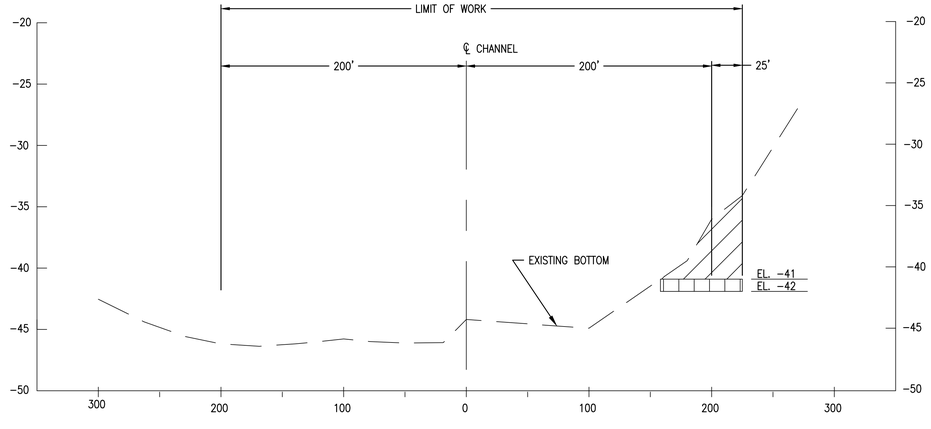
2 STA. 27+500
NTS



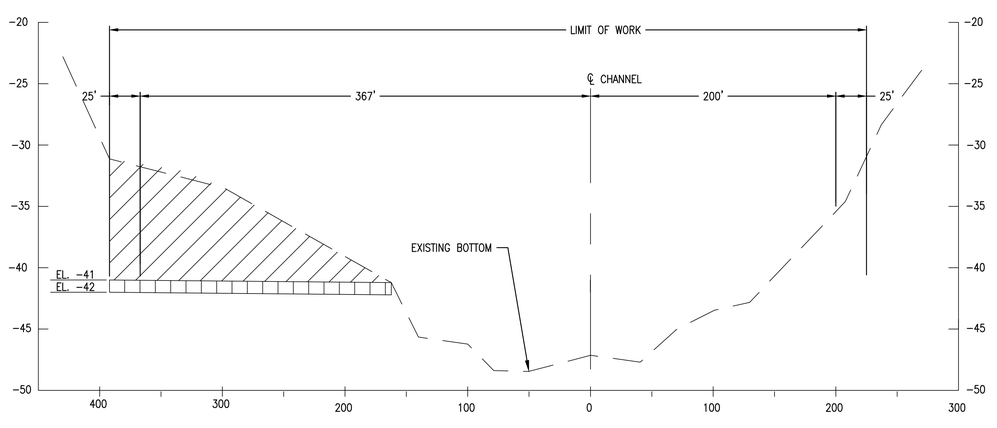
3 STA. 59+600
NTS



4 STA. 72+900
NTS



5 STA. 99+870
NTS



6 STA. 109+345
NTS

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEETS C-102 THROUGH C117 FOR PLAN SHEETS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

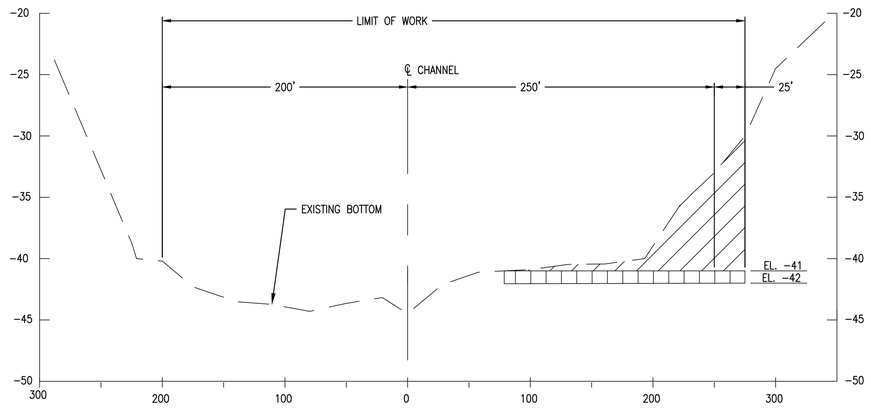
MARK	ACTION	DATE	BY

DES BY: JHD
DWN BY: JHD
CK BY: DAA
REVIEWED BY: DAA
ISSUE/SUBMITTAL DATE: 11 APR 2023
REVISION NUMBER:
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 22"x2"
FILE NAME: C301 CHANNEL SECTIONS.dwg

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
CHANNEL SECTIONS
-

SHEET NUMBER
C-301



1 STA. 120+200
NTS

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE SHEETS C-102 THROUGH C117 FOR PLAN SHEETS.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DATE	BY
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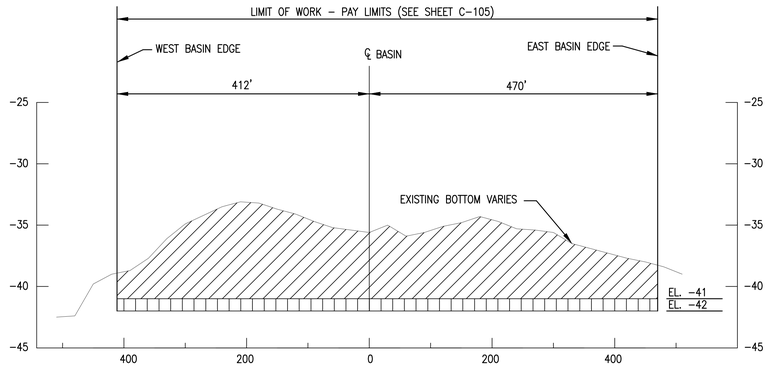
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DWN BY: JHD
CHD BY: DAA
DES BY: JHD
REVIEWED BY: DAA
ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912R323R0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 30"x42"
FILE NAME: C302-CHANNEL SECTIONS.dgn

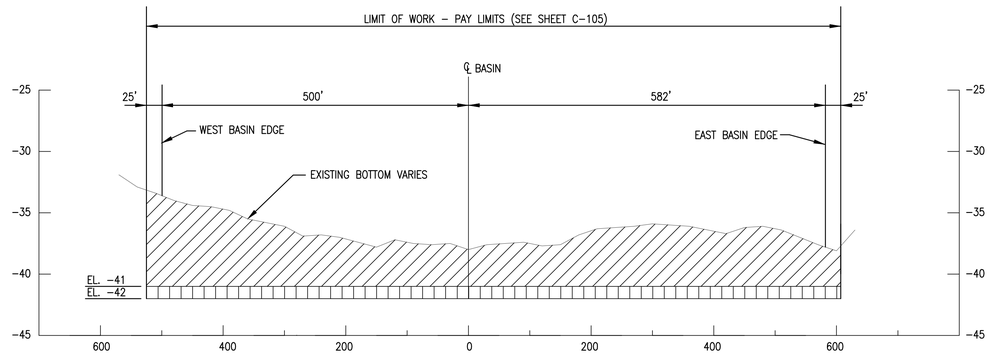
MAINTENANCE DREDGING
-
DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
CHANNEL SECTIONS
-

SHEET NUMBER
C-302



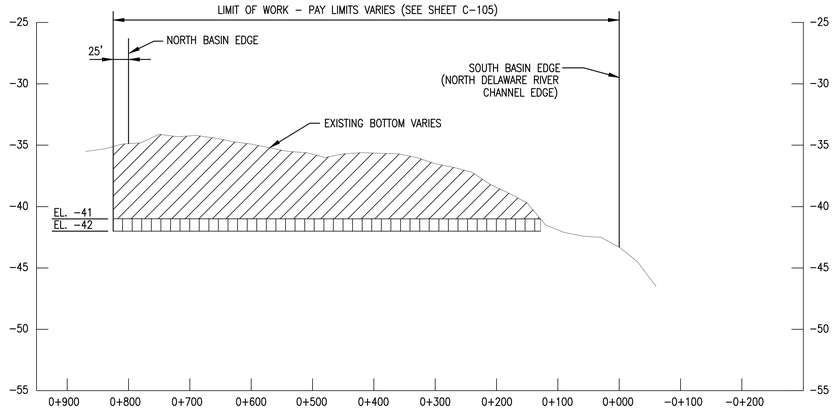
1 A.S. #1 - STA. 0+497

100' 50' 0 100'
SCALE IN FEET



2 A.S. #1 - STA. 0+216

100' 50' 0 100'
SCALE IN FEET



3 A.S. #1 - TURNING BASIN CENTERLINE

100' 50' 0 100'
SCALE IN FEET

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
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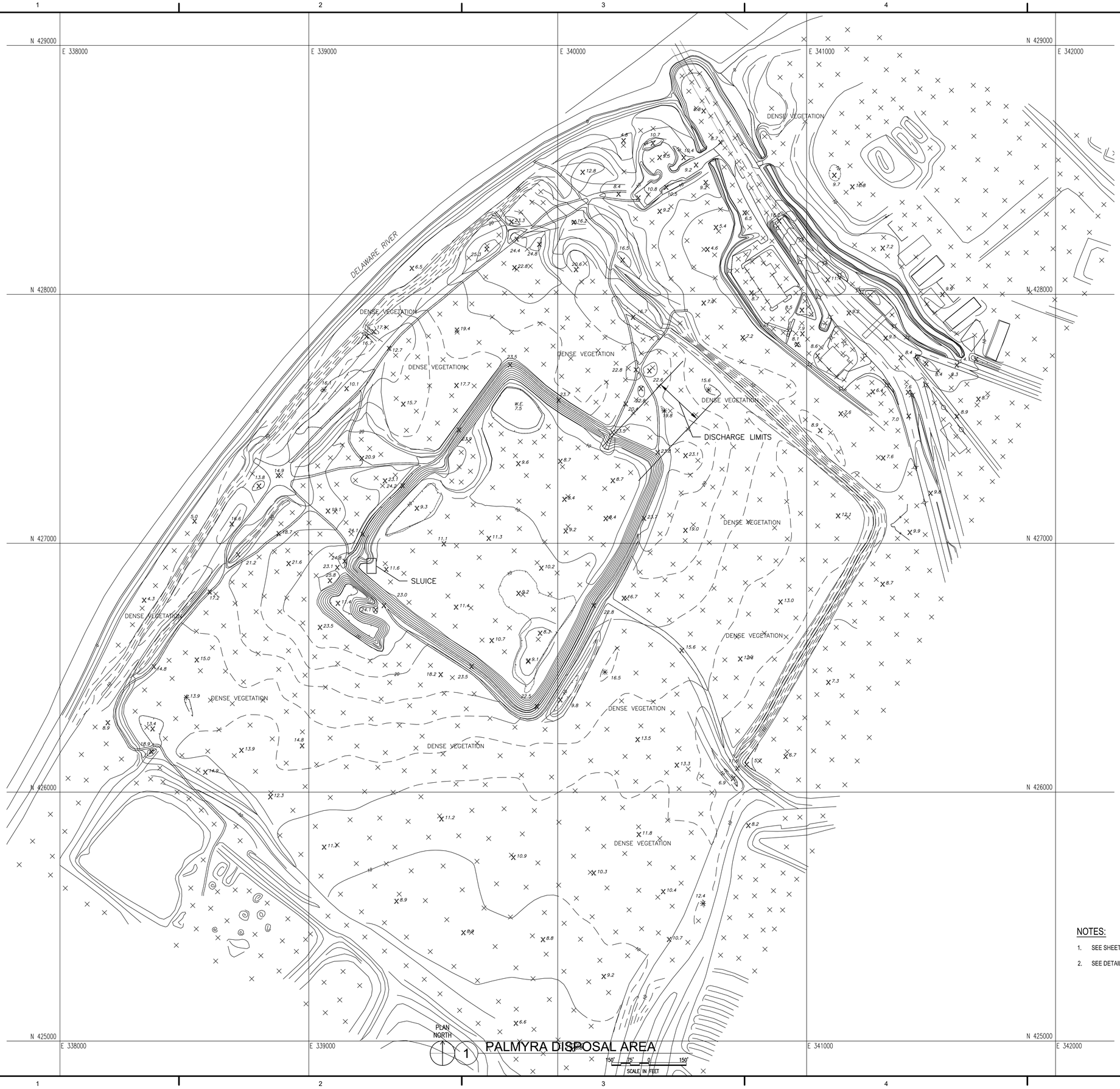
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DWN BY: JMD	DES BY: JMD	ISSUE/SUBMITTAL DATE: 11 APR 2023	
CKD BY: DAA	REVIEWED BY: DAA	SOLICITATION NUMBER: W912BV23B0001	
		CONTRACT NUMBER: -	
PLOT SCALE: -		DWG. SIZE: 22"x34"	FILE NAME: C303 FAIRLESS TURNING BASIN SECTIONS.dgn

MAINTENANCE DREDGING
DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
FAIRLESS TURNING BASIN SECTIONS
-

SHEET NUMBER
C-303



NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE DETAIL 2/C-403 FOR DREDGE PIPE LINE CROSSING.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
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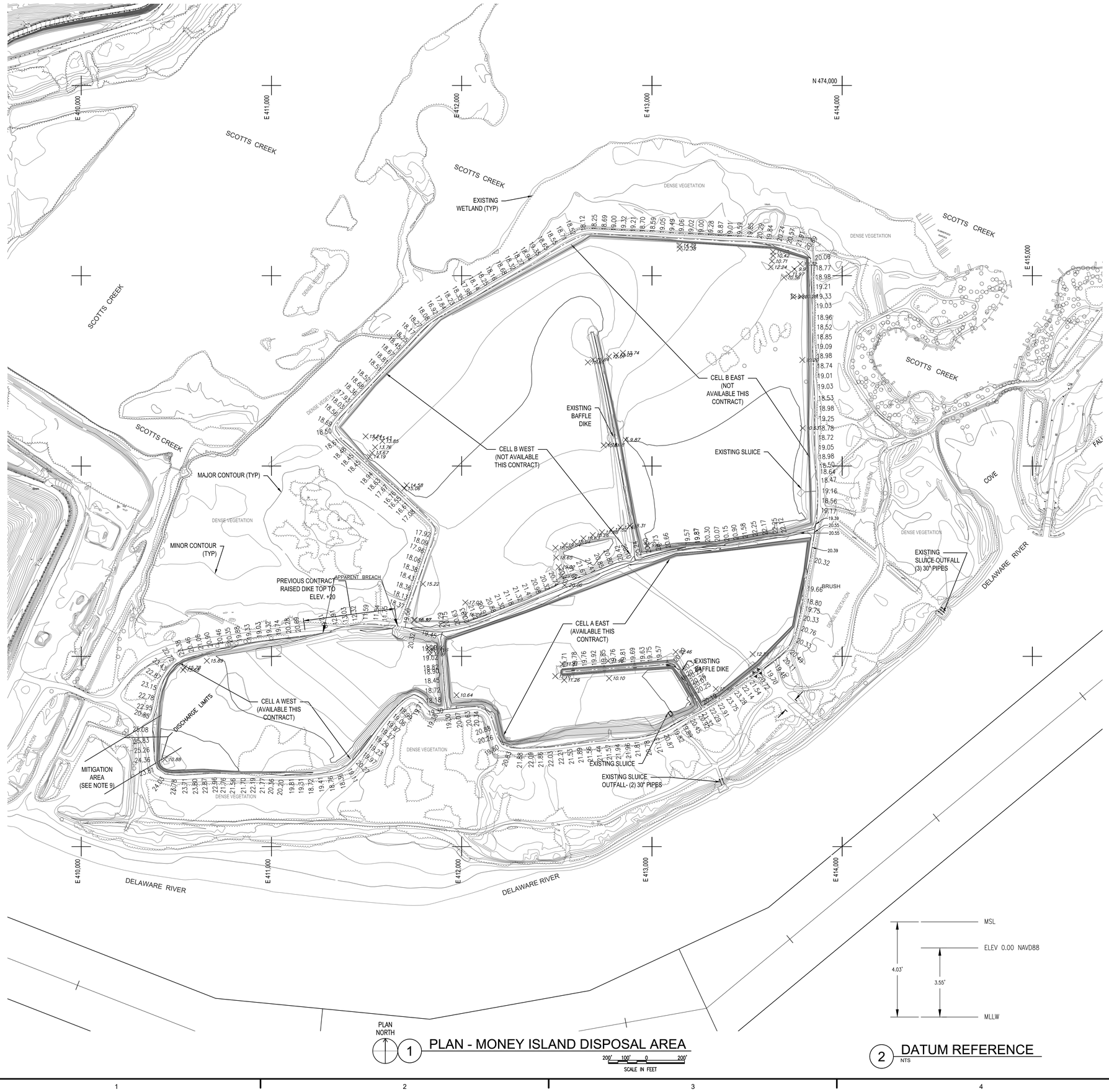
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA
DISTRICT

DWN BY: JMD	DES BY: JMD	ISSUE/SUBMITTAL DATE: 11 APR 2023
CKD BY: DAN	REVIEWED BY: DAN	SOLICITATION NUMBER: W912BV23B0001
PLOT SCALE: .		CONTRACT NUMBER: -
DWG. SIZE: 30"X42"		FILE NAME: C-401_PLAN - PALMYRA COVE DISPOSAL AREA.dgn

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - PALMYRA COVE DISPOSAL AREA
-

SHEET NUMBER
C-401



PLAN NORTH

1 PLAN - MONEY ISLAND DISPOSAL AREA

200' 100' 0 200'

SCALE IN FEET

2 DATUM REFERENCE

NTS

GENERAL NOTES - DISPOSAL AREAS:

1. VERTICAL DATUM FOR LAND SURVEYS IS BASED ON NATIONAL GEODETIC SURVEY MEAN SEA LEVEL.
2. TOPOGRAPHY SHOWN WAS GENERATED USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY DATED DECEMBER 19, 2018, AND UPDATED WITH A TOP OF DIKE SURVEY DATED 6 APRIL 2020. CONTOURS (2 FOOT INTERVAL) AND SPOT ELEVATIONS SHOWN CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE SITE CONDITIONS AS THEY EXISTED AT THE DATES INDICATED. EARTHWORK ACTIVITIES HAVE TAKEN PLACE SINCE THE TOPOGRAPHY WAS GENERATED. CONTRACTORS ARE STRONGLY ENCOURAGED TO VISIT THE SITE WHERE WORK IS TO BE PERFORMED TO ACQUAINT THEMSELVES WITH EXISTING CONDITIONS THAT COULD AFFECT THE PROJECT COST.
3. THE END OF ALL DISCHARGE PIPES SHALL BE LOCATED INSIDE THE DISPOSAL AREA LIMITS AS SPECIFIED IN THE CONTRACT SPECIFICATIONS SECTION 35 20 23. PIPE SHALL BE LOCATED SUCH THAT THE DISCHARGE DOES NOT SCOUR THE SLOPE FACE OR THE TOE-OF-SLOPE OF THE DISPOSAL AREA DIKE IN THE VICINITY OF THE DISCHARGE AREA. DREDGED MATERIAL HAS BEEN RECENTLY PLACED IN CELL A EAST AND HENCE CONTRACTOR MUST EXERCISE CAUTION USING ONLY LOW GROUND PRESSURE EQUIPMENT WHEN LAYING DISCHARGE LINE TO CELL B EAST.
4. WHERE THE DREDGE PIPE LINE CROSSES EXISTING ACCESS ROADS, A RAMP SHALL BE CONSTRUCTED OVER THE PIPE THE FULL WIDTH OF THE ACCESS ROAD, AS SHOWN IN DETAIL 2/C-401.
5. BORROW FOR DIKING MATERIAL SHALL BE OBTAINED FROM WITHIN DISPOSAL AREA CELL B WEST, BUT NOT CLOSER THAN 50 FEET FROM THE INSIDE TOE OF THE DIKE SECTIONS.
6. SHOULD THE CONTRACTOR DESIRE TO MODIFY THE DISCHARGE LIMITS SHOWN, APPROVAL MUST BE GRANTED BY CONTRACTING OFFICER PRIOR TO MODIFICATION OF LIMITS.
7. THE SITE IS GENERALLY CLEAR WITH PASSABLE ACCESS ROADS, BUT SOME MINOR CLEARING OF VEGETATION MAY BE REQUIRED IN ISOLATED LOCATIONS TO GAIN ACCESS.
8. THE CONTRACTOR SHALL COORDINATE INGRESS, EGRESS AND ALL CONSTRUCTION ACTIVITIES AT THIS SITE WITH MR. BOB JONES, WASTE MANAGEMENT INC. SITE MANAGER AT MONEY ISLAND, AT (215) 768-4051 PRIOR TO WORK COMMENCEMENT.
9. THE CONTRACTOR SHALL NOT ENTER THE MITIGATION AREA.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

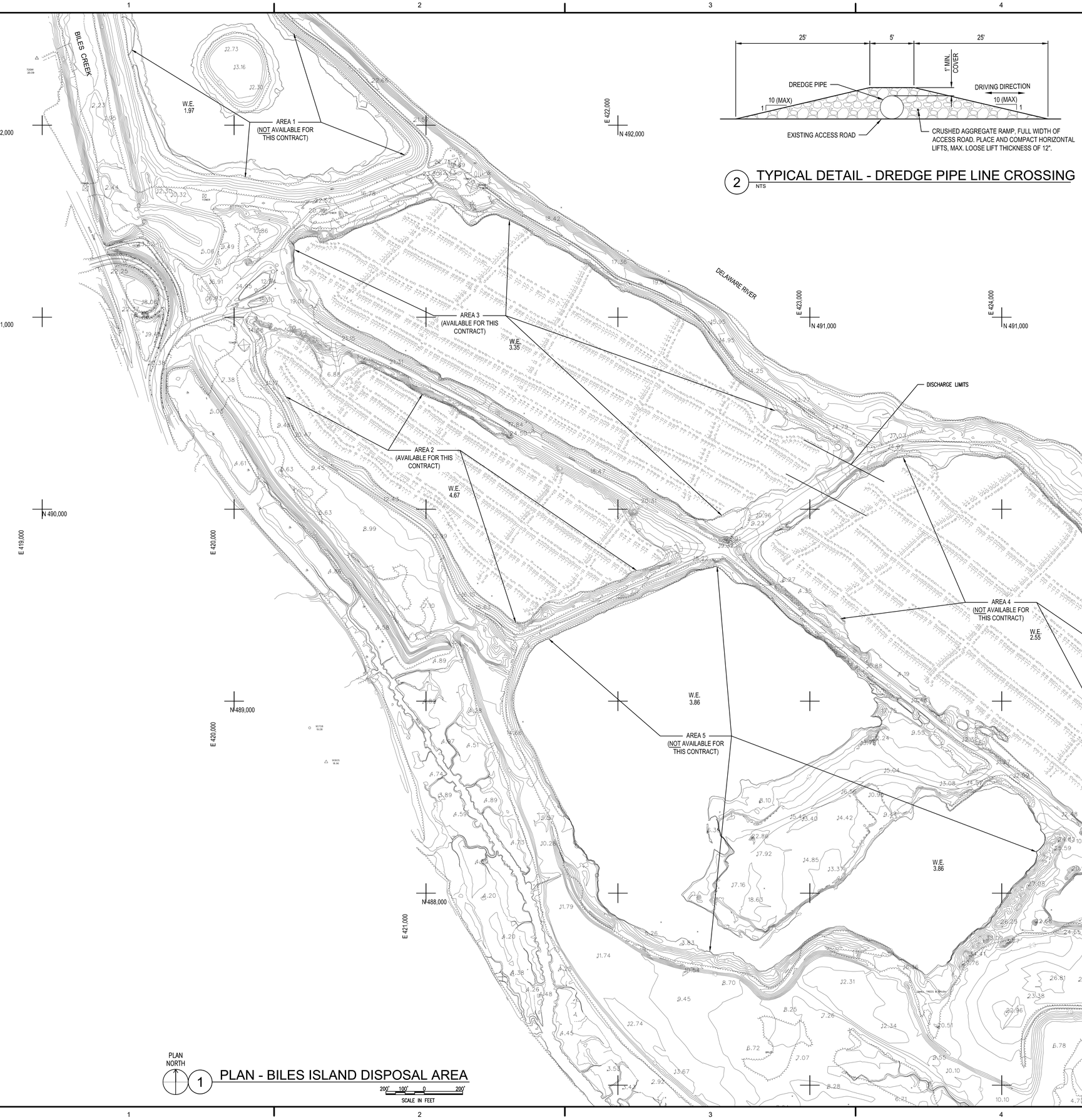
NO.	DESCRIPTION	DATE	BY

DES BY: JHD
DRAWN BY: JHD
CHKD BY: DAK
REVIEWED BY: DAK
ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912DS23B0001
CONTRACT NUMBER: -
PLOT SCALE: -
DWG. SIZE: 30"x42"
FILE NAME: C:\402 PLN - MONEY ISLAND CELL A DISPOSAL.dwg

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
MAINTENANCE DREDGING
-
PLAN - MONEY ISLAND CELL A DISPOSAL AREA
-

SHEET NUMBER
C-402



PLAN NORTH

1 PLAN - BILES ISLAND DISPOSAL AREA

200' 100' 0 200'
SCALE IN FEET

2 TYPICAL DETAIL - DREDGE PIPE LINE CROSSING
NTS

NOTES:

1. SEE SHEET C-001 FOR GENERAL INFORMATION.
2. SEE DETAIL 2 ON THIS SHEET FOR DREDGE PIPE LINE CROSSING.
3. THERE IS NO OUTLET STRUCTURE AT THE BILES ISLAND DISPOSAL AREA. THE CONTRACTOR SHALL MONITOR/ADJUST HIS DISCHARGE RATE TO CONTINUOUSLY PROVIDE AT LEAST 2 FEET OF FREEBOARD.
4. DREDGED MATERIALS SHALL BE PUMPED INTO THE AREA AVAILABLE FOR THIS CONTRACT. THE WATER ELEVATION (W.E.) IN THE AREA IS AS NOTED ON THE PLAN. DEWATERING IS NOT REQUIRED.

US Army Corps of Engineers
PHILADELPHIA DISTRICT

MARK	ACTION	DESCRIPTION	DATE	BY
-	-	-	-	-

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

DWN BY: JHD
CHD BY: DAA
PLOT SCALE: -
DWG. SIZE: 30"x42"

DES BY: JHD
REVIEWED BY: DAA
CONTRACT NUMBER: -

ISSUE/SUBMITTAL DATE: 11 APR 2023
SOLICITATION NUMBER: W912BV23B0001

FILE NAME: C:\ACAD\Cad_BILES ISLAND DISPOSAL AREA.dwg

DELAWARE RIVER
PHILADELPHIA, PENNSYLVANIA TO TRENTON, NEW JERSEY
-
MAINTENANCE DREDGING
-
PLAN - BILES ISLAND DISPOSAL AREA
-

SHEET NUMBER
C-403