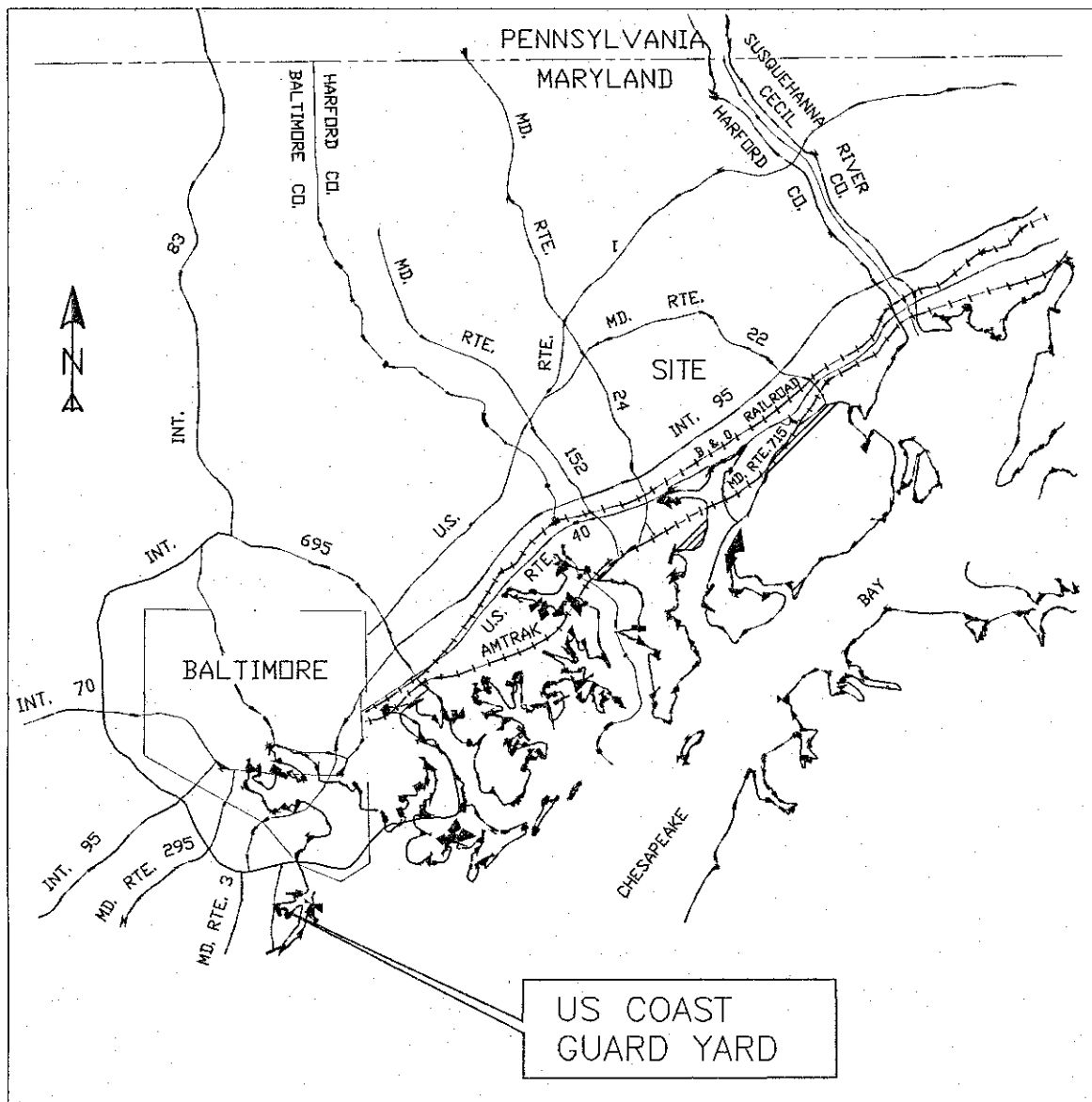


EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY MDE AT (410) 537-3510 SEVEN (7) DAYS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY AND, UNLESS WAIVED BY MDE, SHALL BE REQUIRED TO HOLD A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF MDE.
2. THE CONTRACTOR SHALL NOTIFY MDE IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:
 - A. THE REQUIRED PRE-CONSTRUCTION MEETING.
 - B. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
 - C. DURING THE INSTALLATION OF SEDIMENT BASINS (TO BE CONVERTED INTO PERMANENT STORMWATER MANAGEMENT STRUCTURES) AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN), NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION OF EACH STEP IS MANDATORY.
 - D. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
 - E. PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
 - F. PRIOR TO FINAL ACCEPTANCE.
3. THE PLAN APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, DAILY LOG BOOKS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF MDE AND THE AGENCY RESPONSIBLE FOR THE PROJECT.
4. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE AND SHALL HAVE THEM INSPECTED AND APPROVED BY THE MDE INSPECTOR PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE MDE INSPECTOR. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM MDE INSPECTOR. THE CONTRACTOR SHALL OBTAIN PRIOR AGENCY AND MDE APPROVAL FOR MODIFICATIONS TO THE EROSION AND SEDIMENT CONTROL PLAN AND/OR SEQUENCE OF CONSTRUCTION.
5. THE MDE INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.
6. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.
7. THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIME AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE MDE INSPECTOR.
8. EROSION AND SEDIMENT CONTROL FOR UTILITY CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH APPROVED PLANS. UTILITY CONSTRUCTION SHALL ONLY BE FOR AREAS WITHIN THE DELINEATED LIMIT OF DISTURBANCE. CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. WHEN SAME DAY STABILIZATION IS APPROVED:
 - A. EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
 - B. TRENCHES FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED, AND STABILIZED AT THE END OF EACH WORKING DAY. NO MORE TRENCH SHALL BE OPENED THAN CAN BE COMPLETED THE SAME DAY.
9. ALL WATER REMOVED FROM EXCAVATED AREAS SHALL BE PASSED THROUGH AN MDE APPROVED DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DISCHARGE TO A FUNCTIONAL STORM DRAIN SYSTEM OR TO STABLE GROUND SURFACE.
10. CONCRETE WASHOUT STRUCTURES SHALL BE USED WHEN CONCRETE TRUCKS, DRUMS, PUMPS, CHUTES, OR OTHER EQUIPMENT IS RINSED OR CLEANED ON-SITE.
11. CONSTRUCTION ACTIVITIES PRODUCING DUST SHALL IMPLEMENT CONTROL MEASURES TO AVOID THE SUSPENSION OF DUST PARTICLES AND/OR PREVENT DUST FROM BLOWING OFF-SITE OR TO AREAS WITHOUT TREATMENT.
12. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - A. 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
 - B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
13. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING, AND GROUND COVERS.
14. WHEN SEEDING, ALL DISTURBED AREAS WITH SLOPES FLATTER THAN 2:1 SHALL BE STABILIZED WITH 4 INCHES OF TOPSOIL, SEED, AND MULCH. ALL DISTURBED AREAS WITH SLOPES 2:1 OR STEEPER SHALL BE STABILIZED WITH MATTING OVER 2 INCHES OF TOPSOIL AND SEED.
15. ALL SEDIMENT BASINS, TRAP EMBANKMENTS AND SLOPES, PERIMETER DIKES, SWALES AND ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH SEED AND ANCHORED STRAW MULCH, SOD, OR OTHER APPROVED STABILIZATION MEASURES, AS SOON AS POSSIBLE BUT NO LATER THAN THREE (3) CALENDAR DAYS AFTER ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE MINIMIZED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.
16. PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SEED AND AN APPROVED EROSION CONTROL MATTING, SOD, RIP-RAP, OR OTHER APPROVED STABILIZATION MEASURES.
17. FOR STOCKPILE SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), THE CONTRACTOR SHALL APPLY SEED AND ANCHORED STRAW MULCH, SOD, OR OTHER APPROVED STABILIZATION MEASURES TO THE FACE OF THE STOCKPILE WITHIN THREE (3) CALENDAR DAYS OF ACTIVITY HAVING CEASED ON THE RESPECTIVE FACE. FOR SLOPES 3:1 OR FLATTER, THE CONTRACTOR SHALL APPLY STABILIZATION MEASURES TO THE FACE OF THE STOCKPILE WITHIN SEVEN (7) CALENDAR DAYS OF ACTIVITY HAVING CEASED ON THE RESPECTIVE FACE. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.
18. FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS TO PREVENT WATER FROM PONDING FOR MORE THAN TWENTY-FOUR (24) HOURS AFTER THE END OF A RAINFALL EVENT. DRAINAGE COURSES AND SWALE FLOW AREAS MAY TAKE AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL EVENT TO DRAIN. AREAS DESIGNED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.
19. WHERE DEEMED APPROPRIATE BY THE ENGINEER OR INSPECTOR, SEDIMENT BASINS AND TRAPS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. THE DEVELOPER OR OWNER SHALL CHECK WITH LOCAL BUILDING OFFICIALS ON APPLICABLE SAFETY REQUIREMENTS. WHERE SAFETY FENCE IS DEEMED APPROPRIATE AND LOCAL ORDINANCES DO NOT SPECIFY FENCING SIZES AND TYPES, THE FOLLOWING SHALL BE USED AS A MINIMUM STANDARD: THE SAFETY FENCE SHALL BE MADE OF WELDED WIRE AND AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN 2 INCHES IN WIDTH AND 4 INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE SHALL BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.
20. ALL SEDIMENT TRAP DEPTH DIMENSIONS ARE RELATIVE TO THE OUTLET ELEVATION. ALL TRAPS SHALL HAVE A STABLE OUTFALL. ALL TRAPS AND BASINS SHALL HAVE STABLE INFLOW POINTS.
21. SEDIMENT SHALL BE REMOVED AND THE TRAP OR BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE QUARTER OF THE TOTAL DEPTH OF THE TRAP OR BASIN. TOTAL DEPTH SHALL BE MEASURED FROM THE TRAP OR BASIN BOTTOM TO THE CREST OF THE OUTLET.
22. SEDIMENT REMOVED FROM TRAPS (AND BASINS) SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND OR TREE-SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE SHALL BE DIRECTED TO AN MDE APPROVED SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FROM THE SITE. A SUMP PIT MAY BE USED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT.
23. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHERE THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN DONE TO PROMOTE SHEET FLOW DRAINAGE. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED AS SOON AS POSSIBLE, BUT NOT LATER THAN THREE (3) CALENDAR DAYS AFTER ESTABLISHMENT FOR SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND SEVEN (7) CALENDAR DAYS FOR FLATTER SLOPES. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, TEMPORARY SEED AND ANCHORED STRAW MULCH SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE APPLIED BY MARCH 15 OR EARLIER IF GROUND AND WEATHER CONDITIONS ALLOW.
24. TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED WITH PERMISSION OF THE MDE INSPECTOR WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. UPON REMOVAL OF SEDIMENT CONTROL DEVICES, THE AREA DISTURBED BY REMOVAL SHALL BE STABILIZED WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED, WITHIN 24 HOURS OF SAID REMOVAL. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.
25. OFF-SITE SPOIL OR BORROW AREAS ON STATE OR FEDERAL PROPERTY SHALL HAVE PRIOR APPROVAL BY MDE AND OTHER APPLICABLE STATE, FEDERAL, AND LOCAL AGENCIES; OTHERWISE APPROVAL SHALL BE GRANTED BY THE LOCAL AUTHORITIES. ALL WASTE AND BORROW AREAS OFF-SITE SHALL BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED.
26. SITE INFORMATION:
 - A. AREA DISTURBED 0.18 ACRES
 - B. TOTAL CUT 1250 CUBIC YARDS
 - C. TOTAL FILL 1250 CUBIC YARDS
 - D. OFF-SITE WASTE / BORROW AREA LOCATION 0

CPOP REPAIR WEST WHARF CG YARD (FY19)
AT U.S. COAST GUARD YARD / BALTIMORE, MARYLAND / PROJECT NUMBER - 8617883
MDE PROJECT NO. 18-SF-0000?



VICINITY MAP

SCALE: N.T.S.

INDEX OF SHEETS

DRAWING NUMBER		SHEET NUMBER
1 OF 7	TITLE SHEET	G-01
2 OF 7	CIVIL WORK & PROJECT SITE PLAN	C/01
3 OF 7	SITE PLAN DETAILS	C/02
4 OF 7	PILE REPAIR DETAILS	C/03
5 OF 7	EROSION & SEDIMENT CONTROL PLAN	C/04
6 OF 7	EROSION & SEDIMENT CONTROL DETAILS	C/05
7 OF 7	EROSION & SEDIMENT CONTROL NOTES	C/06

SITE ANALYSIS

TOTAL PROJECT AREA: 41,218 SQ. FT (0.94 ACRES)
TOTAL DISTURBED AREA: 0.18 ACRES
NEW SOIL DISTURBANCE: 7,800 SQ. FT (0.30 ACRES)
VOLUME OF CUT: 1,250 CUBIC YARDS
VOLUME OF FILL: 1,250 CUBIC YARDS
VOLUME OF BORROW: 0 CUBIC YARDS

LEGEND

	APPROXIMATE TREE LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND ELECTRIC LINE
	PROPERTY LINE
	EXISTING PIPELINE
	EXISTING 100-YEAR
	PROPOSED GRADE
	LIMIT OF DISTURBANCE
	SILT FENCE
	SILT FENCE ON PAVEMENT
	AGIP (AT GRADE INLET PROTECTION)
	EXISTING TREE
	EXISTING TREE TO BE REMOVED

SEQUENCE OF CONSTRUCTION

1. THESE PLANS WERE PREPARED IN CONFORMANCE WITH THE REQUIREMENTS OF THE MARYLAND DEPARTMENT OF ENVIRONMENTAL PROTECTION.
2. CONTACT THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AT (410) 537-3510 AT LEAST 7 DAYS PRIOR TO COMMENCING LAND DISTURBING ACTIVITY.
3. THE CONTRACTOR SHALL NOTIFY THE U.S. COAST GUARD CONTRACTING OFFICE 48 HOURS BEFORE COMMENCING WORK TO CONDUCT A PRE-CONSTRUCTION MEETING ON SITE WITH THE CONTRACTOR, PROJECT ENGINEER, THE U.S. COAST GUARD CONTRACTING OFFICER, AND APPROPRIATE AGENCY PERSONNEL TO REVIEW EROSION AND SEDIMENT CONTROL REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. 1 DAY
4. INSPECT THE SITE PRIOR TO CONSTRUCTION TO VERIFY EXISTING SITE CONDITIONS, UNDERGROUND UTILITY LOCATIONS AND PROVIDE A SURVEY AND LAYOUT OF THE LIMITS OF DISTURBANCE. LOD MUST BE FIELD MARKED PRIOR TO CLEARING TREES, INSTALLING SEDIMENT CONTROLS OR OTHER LAND DISTURBING ACTIVITIES. 1 DAY
5. INSTALL SEDIMENT CONTROLS AND THE STAGING/LAYDOWN AREAS. MECHANICAL STABILIZATION MAY BE REQUIRED ON THE STAGING/LAYDOWN AREAS AND HEAVY USE AREAS, INCLUDING TRAVEL LANES. WOOD CHIPS MAY BE USED WITH APPROVAL FROM THE USCG. 2 DAYS.
6. ONCE SEDIMENT CONTROLS HAVE BEEN INSTALLED, CONTACT THE INSPECTOR FOR APPROVAL OF SEDIMENT CONTROL INSTALLATION PRIOR TO COMMENCING WORK. INSPECTIONS AND PERMITS MAY REQUIRE THAT AN INSPECTION AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING. 2 DAYS.
7. EXCAVATE EXISTING WHARF AREAS DOWN TO WOOD PLANK DECKING AND REPAIR STRUCTURE AS SHOWN ON THESE PLANS. ALL AREAS OF EXCAVATION MUST BE SEPARATED FROM VEHICULAR AND PEDESTRIAN TRAFFIC USING CONCRETE JERSEY BARRIERS MIN. 5'Lx2'Wx32"H, 2,000LBS.; MAX. 40 DAYS PER EACH AREA. BACKFILL AND COMPACT AS INDICATED. 120 DAYS.
8. AFTER AREAS ARE BACKFILLED, REPAIR ROADWAY AS IDENTIFIED IN PAVEMENT DETAIL ON SHEET C-03. IN NON-PAVED AREAS STABILIZE AREA WITH 4" OF CLEAN #57 STONE IN ACCORDANCE WITH EXISTING CONDITIONS. 15 DAYS.
9. AFTER THE SITE IS 95% STABILIZED, EITHER VEGETATED OR MECHANICALLY, REMOVE THE SEDIMENT CONTROLS WITH THE APPROVAL OF THE CONTRACTING OFFICER / COR, REMOVE ALL TEMPORARY FACILITIES (I.E., SILT FENCE OR ANY PROTECTIVE MEASURES), RESTORE AND REVEGETATE AS NEEDED. WHEN ALL UPSTREAM AREAS HAVE BEEN STABILIZED AND HAVE BEEN ACCEPTED BY THE CONTRACTING OFFICER OR COR, REMOVE REMAINING PERIMETER CONTROLS AND IMMEDIATELY STABILIZE AREAS DISTURBED BY THE REMOVAL OF THESE CONTROLS. THOROUGHLY CLEAN AND RESTORE SITE TO SATISFACTION OF COR. 7 DAYS.
10. CONSTRUCTION ANTICIPATED TO COMMENCE BY 3/1/19 AND CONCLUDE BY 8/15/2019.

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II INCLUDING SUPPLEMENTS, THE ENVIRONMENT ARTICLE SECTIONS 4-101 THROUGH 116 AND SECTIONS 4-201 AND 215, AND THE CODE OF MARYLAND REGULATIONS (COMAR) 26.17.01 AND COMAR 26.17.02 FOR EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT, RESPECTIVELY.

DATE

DESIGNER'S SIGNATURE

MD PE REGISTRATION NO. 24513

PRINTED NAME

OWNER'S / DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I/WE HEREBY AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY APPROPRIATE INSPECTION AND ENFORCEMENT AUTHORITY OR THE STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT. I/WE HEREBY CERTIFY THAT STORMWATER MANAGEMENT FACILITIES WILL BE MAINTAINED IN ACCORDANCE WITH APPROVED PLANS.

DATE

OWNER/DEVELOPER SIGNATURE

RESPONSIBLE PERSONNEL CERTIFICATION NO.

PRINTED NAME AND TITLE

US COAST GUARD GENERAL NOTES:

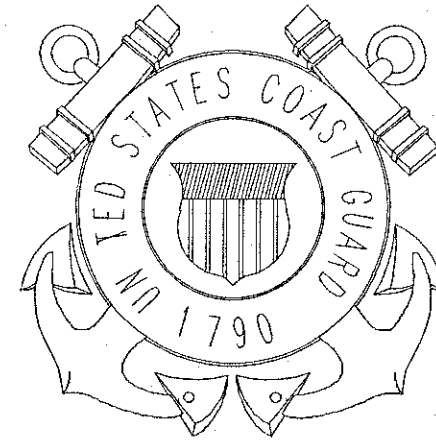
1. THE EXISTING UTILITIES AND OBSTRUCTION SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS. ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE
3. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
4. THE CONTRACTOR SHALL CALL "MISS UTILITY" (1-800-257-7777) A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION, BORING, PILE DRIVING AND/OR DIGGING FOR THE LOCATION OF UTILITY LINES.
5. BASE TOPOGRAPHY AND 2 FOOT CONTOURS OBTAINED FROM ANNE ARNDEL COUNTY (BASED ON LIDAR).
6. THE CONTRACTOR MUST CONSULT THE GOVERNMENT CONTRACTING OFFICER (VIA RF) CONCERNING ANY CONTENT WITHIN THESE DRAWINGS / DOCUMENTS THAT REQUIRE FURTHER CLARIFICATION TO PROCEED WITH THE FIELD WORK. PROCEEDING WITHOUT CLARIFICATION FROM THE CONTRACTING OFFICER WILL RENDER THE CONTRACTOR LIABLE FOR ALL WORK PERFORMED INCORRECTLY.
7. REFER TO WRITTEN SPECIFICATIONS FOR ANY INFORMATION NOT INCLUDED IN THESE DRAWINGS; IF INFORMATION IS NOT INCLUDED BY SPECIFICATIONS REFER TO CONTRACTING OFFICER FOR CLARIFICATION.
8. ALL WORK PERFORMED MUST BE COMPLETED TO ICC CODE STANDARDS INCLUDING IBC, IMC, AND IPC; IF THERE IS ANY CONFLICT BETWEEN THE DOCUMENTS AND THE CODE STANDARDS, THE CODE STANDARDS SHOULD PREVAIL. HOWEVER THE COR AND CONTRACTING OFFICER SHOULD BE NOTIFIED PRIOR TO PROCEEDING.
9. CONTRACTOR IS RESPONSIBLE TO PATCH / REPAIR ALL ROADWAY, SIDEWALK, CURB / GUTTER OR ANY SURROUNDINGS AREAS DISTURBED OR DAMAGED BY CONSTRUCTION WITHIN THE PROJECT PARAMETERS.
10. ALL WORK PERFORMED IS SUBJECT TO APPROVAL INSPECTION BY THE CONTRACTING OFFICER REPRESENTATIVE AND/OR APPOINTED GOVERNMENT PERSONNEL FOR WORK TO BE DEEMED CORRECT DURING THE PROCESS OF CONSTRUCTION AND UPON COMPLETION.
11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ROADWAY ACCESS FOR ALL SURROUNDING BUSINESSES / USCG YARD OPERATIONS THROUGH THE DURATION OF THE PROJECT.

CONSULTANTS

TETRA TECH, INC
240 CONTINENTAL DRIVE, SUITE 240
NEWARK, DE 19713

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. 24513, EXPIRATION DATE: 12-21-2018

U. S. COAST GUARD YARD
FACILITIES ENGINEERING
BALTIMORE, MARYLAND



US COAST GUARD YARD
2401 HAWKINS POINT ROAD, MS 10
BALTIMORE, MARYLAND 21226

ISSUE		
	10/26/18	ISSUED FOR PERMIT
MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME:
DESIGNED BY: FACILITIES ENGINEERING
DRAWN BY: D.T.B.
EDITED BY: D.T.B.
CHECKED BY: D. ANDRESE

SCALE: AS NOTED PLOT SCALE: 1:1

SHEET TITLE

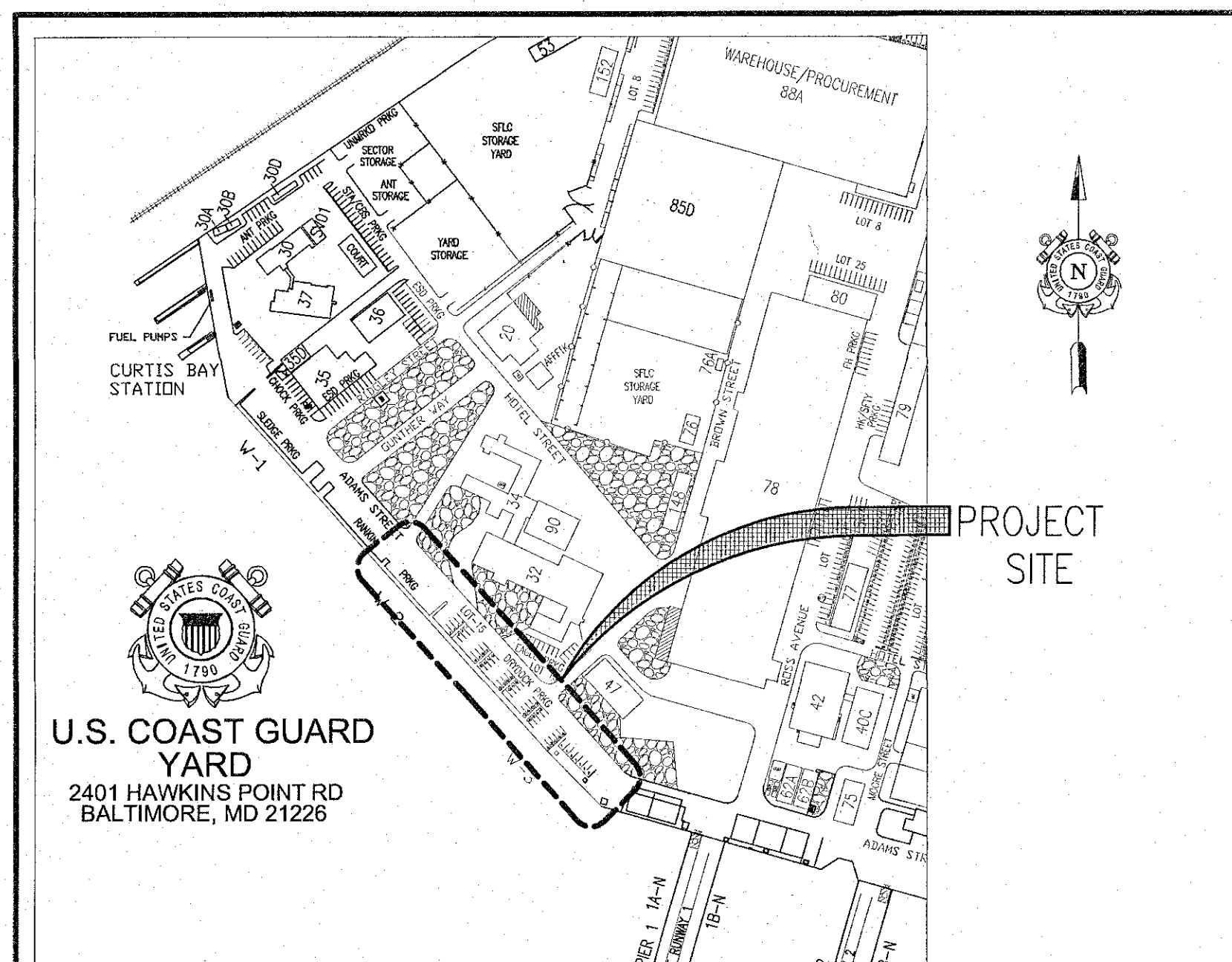
CPOP REPAIR WEST WHARF CG YARD (FY19)
WEST BULKHEAD AREA
BALTIMORE **MARYLAND**
04
GENERAL
TITLE SHEET

REVIEWED BY: D. ANDRESE	REVIEWED BY: LT. P. CONSTANTINO	REVIEWED BY:
PROJECT ENG.	DESIGN SUPV.	

LEON JOHN C. ADAMS
APPROVING OFFICER

10/26/18
DATE

PROJECT NUMBER	DRAWING NUMBER
8617883	YWBW8617883G1
DISCIPLINE/SHT NO G/01	SHEET 1 OF 7



PROJECT SITE MAP

SCALE: 1" = 250'

BUILDINGS	143
MANHOLE ACCESS	
STEAM LINES TO BE ABANDONED	
CONDENSATE LINES TO BE ABANDONED	
US WATERWAY AREA	
LIMIT OF DISTURBANCE (EXCAVATION)	
PERVIOUS GRAVEL AREAS	

LEGEND

SCALE: N.T.S.

CPOP REPAIR WEST WHARF CG YARD (FY19)

AT U.S. COAST GUARD YARD / BALTIMORE, MARYLAND
USCG PROJECT NO. 8617883 / MDE PROJECT NO. 18-SF-0000?

CONSULTANT'S CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASCD PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

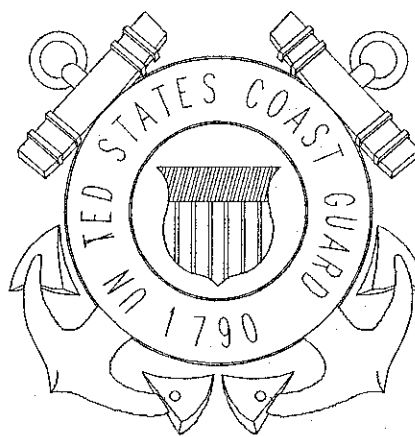
MD P.E. LICENSE # _____
NAME _____
FIRM NAME _____
STREET ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____

SIGNATURE _____
DATE _____

CONSULTANTS
TETRA TECH, INC
240 CONTINENTAL DRIVE, SUITE 240
NEWARK, DE 19713


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. 24513, EXPIRATION DATE: 12-21-2018

U. S. COAST GUARD YARD
FACILITIES ENGINEERING
BALTIMORE, MARYLAND

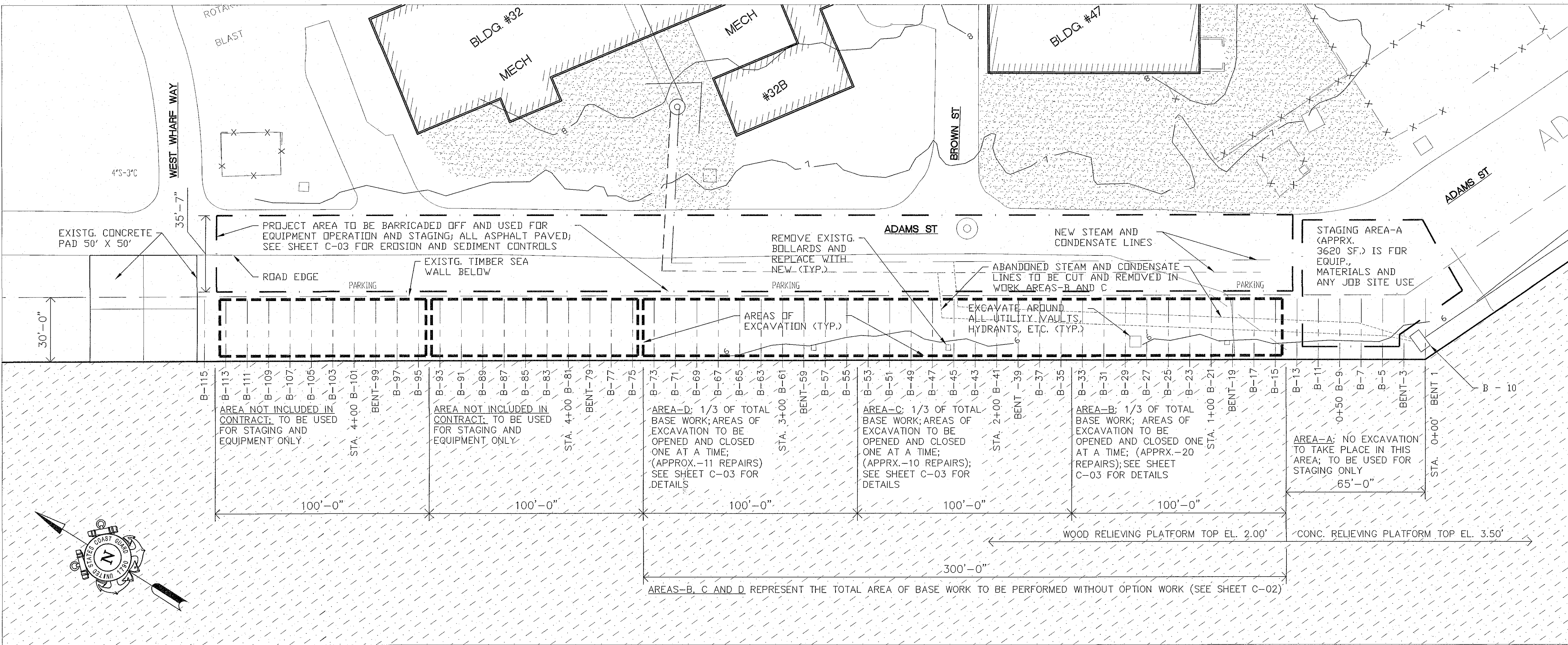


US COAST GUARD YARD
2401 HAWKINS POINT ROAD, MS 10
BALTIMORE, MARYLAND 21226

ISSUE		
MARK	10/26/18	ISSUED FOR PERMIT
DATE		DESCRIPTION
A/E PROJECT NO:		
CAD FILE NAME:		
DESIGNED BY:	FACILITIES ENGINEERING	
DRAWN BY:	D.T.B.	
EDITED BY:	D.T.B.	
CHECKED BY:	D. ANDRESE	

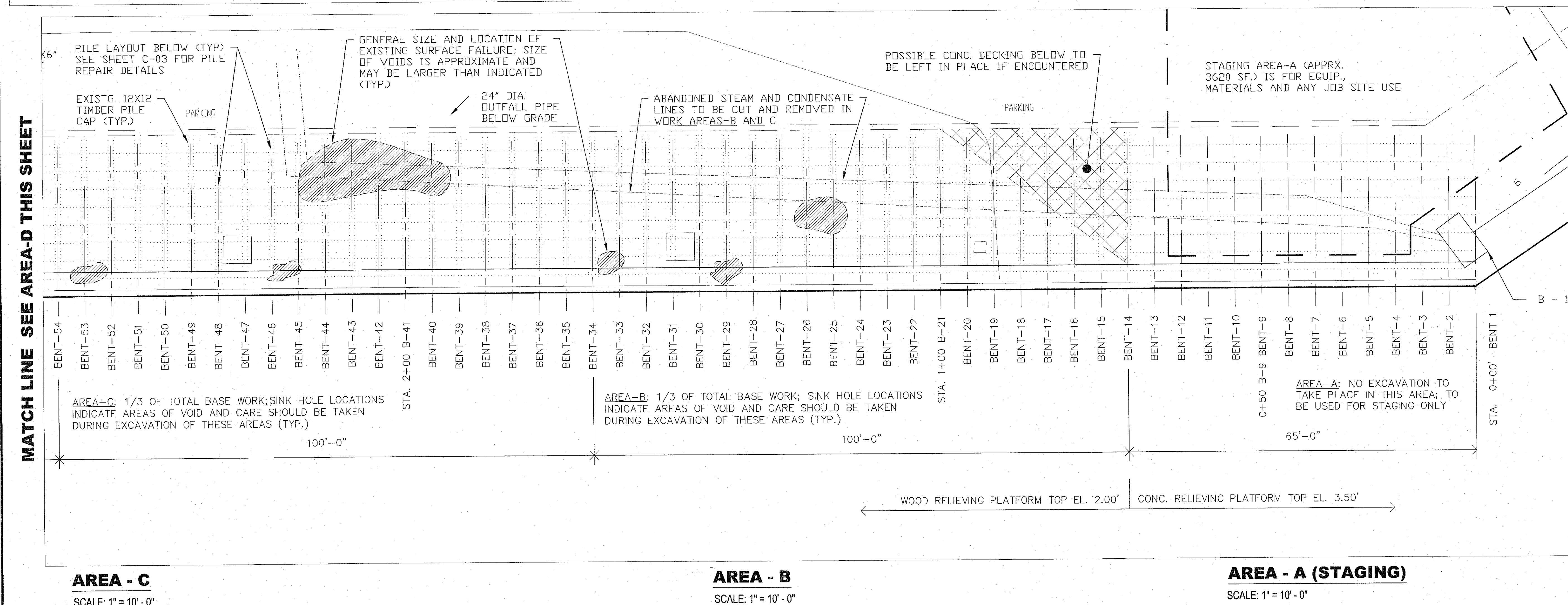
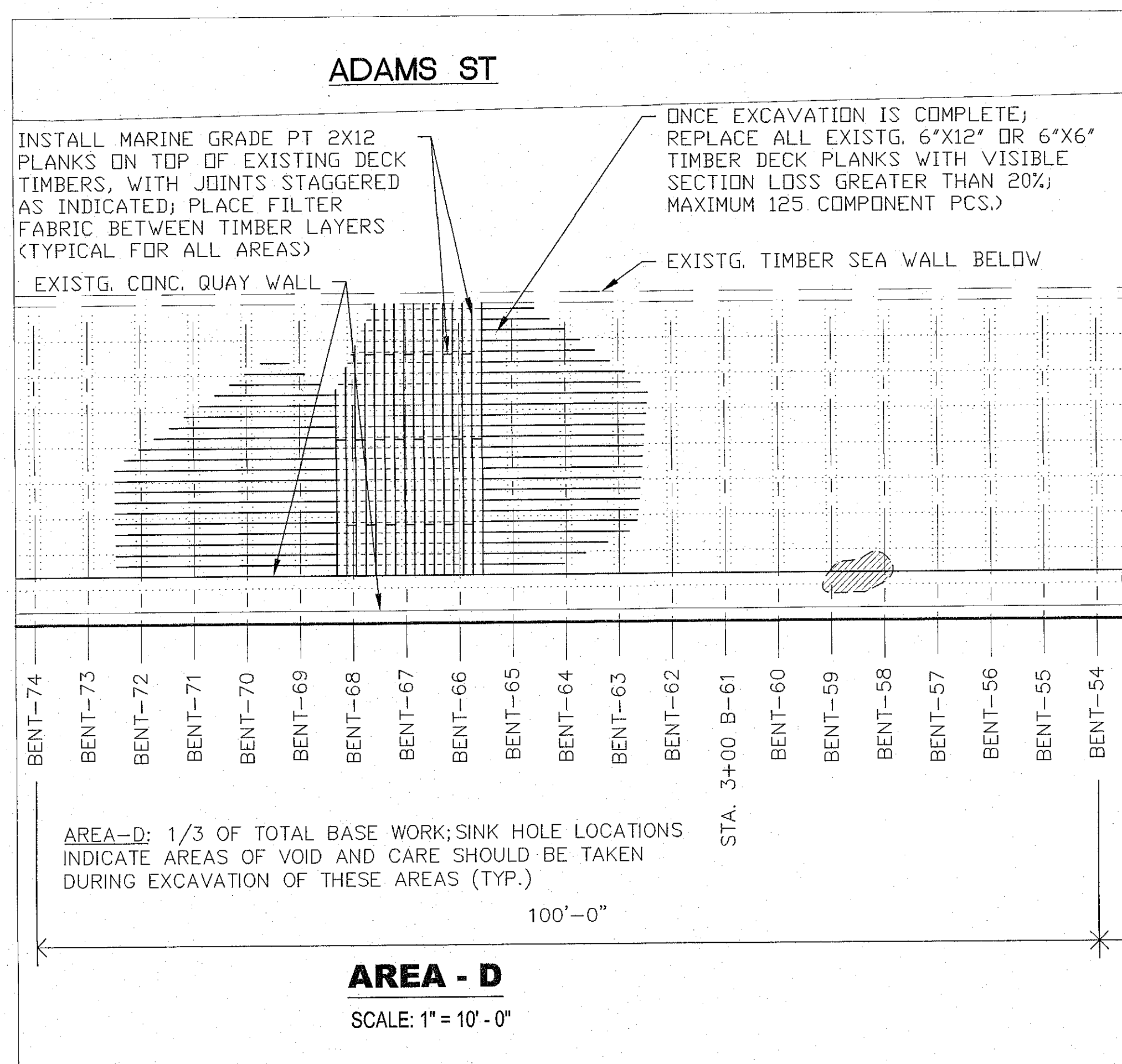
SCALE: AS NOTED		PLOT SCALE: 1:1	
SHEET TITLE			
CPOP REPAIR WEST WHARF CG YARD (FY19)			
WEST BULKHEAD AREA			
BALTIMORE		MARYLAND	
04			
CIVIL			
PROJECT SITE PLAN			
REVIEWED BY:		REVIEWED BY:	
D. ANDRESE		LT. P. CONSTANTINO	
PROJECT ENG.		DESIGN SUPV.	
		10/26/18	
LCDR JOHN C. ADAMS		DATE	
APPROVING OFFICER			

PROJECT NUMBER	DRAWING NUMBER
8617883	YWBW8617883C01
DISCIPLINE/SHT NO	
C/01	
SHEET	2 OF 7



SITE PLAN: ALL AREAS

SCALE: 1" = 25'-0"



CPOP REPAIR WEST WHARF CG YARD (FY19)

AT U.S. COAST GUARD YARD / BALTIMORE, MARYLAND
USCG PROJECT NO. 8617883 / MDE PROJECT NO. 18-SF-0000?

CONSULTANT'S CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASCD PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

MD P.E. LICENSE # _____
NAME _____
FIRM NAME _____
STREET ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____

SIGNATURE

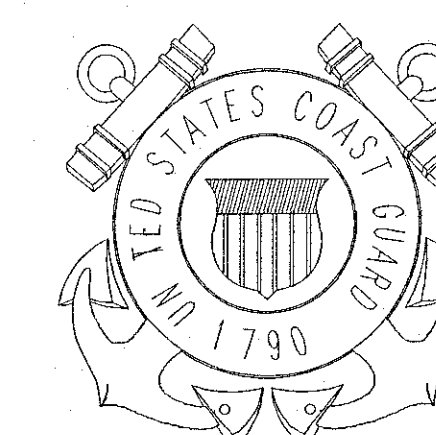
DATE

CONSULTANTS

TETRA TECH, INC
240 CONTINENTAL DRIVE, SUITE 240
NEWARK, DE 19713

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. 24513, EXPIRATION DATE 12-21-2018

U. S. COAST GUARD YARD
FACILITIES ENGINEERING
BALTIMORE, MARYLAND



US COAST GUARD YARD
2401 HAWKINS POINT ROAD, MS 10
BALTIMORE, MARYLAND 21226

ISSUE		
MARK	DATE	DESCRIPTION
	10/26/18	ISSUED FOR PERMIT
A/E PROJECT NO:		
CAD FILE NAME:		
DESIGNED BY: FACILITIES ENGINEERING		
DRAWN BY: D.T.B.		
EDITED BY: D.T.B.		
CHECKED BY: D. ANDRESE		

SCALE: AS NOTED PLOT SCALE: 1:1

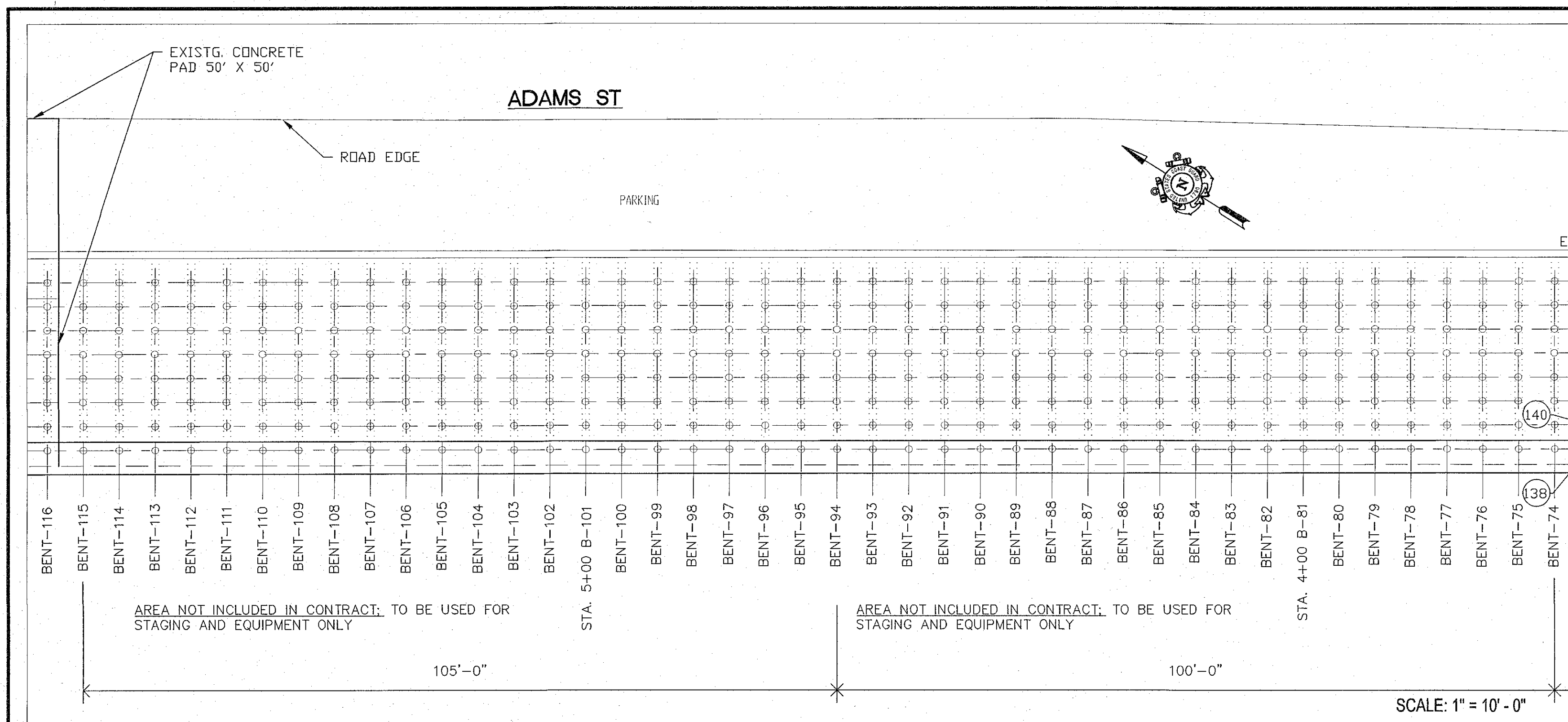
SHEET TITLE

CPOP REPAIR WEST WHARF CG YARD (FY19)
WEST BULKHEAD AREA
BALTIMORE MARYLAND
04
CIVIL
SITE PLAN DETAILS

REVIEWED BY: D. ANDRESE	REVIEWED BY: LT. P. CONSTANTINO	REVIEWED BY:
PROJECT ENG.	DESIGN SUPV.	

10/26/18
DATE

PROJECT NUMBER	DRAWING NUMBER
8617883	YWBW8617883C02
DISCIPLINE/SHT NO C/02	SHEET 3 OF 7



CPOP REPAIR WEST WHARF CG YARD (FY19)

AT U.S. COAST GUARD YARD / BALTIMORE, MARYLAND
USCG PROJECT NO. 8617883
MDE PROJECT NO. 18-SF-0000?

CONSULTANT'S CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASCO PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

MD P.E. LICENSE # _____
NAME _____
FIRM NAME _____
STREET ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____

SIGNATURE

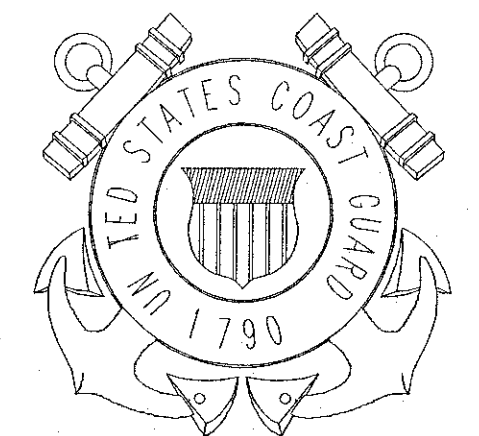
DATE

CONSULTANTS

TETRA TECH, INC
240 CONTINENTAL DRIVE, SUITE 240
NEWARK, DE 19713

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. 24513, EXPIRATION DATE: 12-21-2018

U. S. COAST GUARD YARD
FACILITIES ENGINEERING
BALTIMORE, MARYLAND



US COAST GUARD YARD
2401 HAWKINS POINT ROAD, MS 10
BALTIMORE, MARYLAND 21226

ISSUE		
MARK	DATE	DESCRIPTION
	10/26/18	ISSUED FOR PERMIT

A/E PROJECT NO:
CAD FILE NAME:
DESIGNED BY: FACILITIES ENGINEERING
DRAWN BY: D.T.B.
EDITED BY: D.T.B.
CHECKED BY: D. ANDRESE

SCALE: AS NOTED PLOT SCALE: 1:1
SHEET TITLE

CPOP REPAIR WEST WHARF CG YARD (FY19)
WEST BULKHEAD AREA
BALTIMORE MARYLAND

04
CIVIL
PILE & PILE CAP REPAIR DETAILS

REVIEWED BY: D. ANDRESE
REVIEWED BY: LT. P. CONSTANTINO
PROJECT ENG. DESIGN SUPV.

CDR JOHN C. ADAMS
APPROVING OFFICER
10/26/18
DATE

PROJECT NUMBER 8617883
DRAWING NUMBER YWBW8617883C03
DISCIPLINE/SHT NO C/03
SHEET 4 OF 7

LIST OF DEFECTS IDENTIFICATION NUMBERS: AREA-B

101. PILE A, LOSS OF BEARING, 50% LOSS OF BEARING WITH 6-INCH OFF-SET. (REPAIR TYPE #1)
102. PILE A, SECTION LOSS, 8 IN. W X 2 FT. L X 3 IN. D. (REPAIR TYPE #2)
103. PILE B, DISCONNECTED FROM PILE CAP AND LEANING AGAINST PILE A. (REPAIR TYPE #1)
104. PILE CAP, MISSING SPLICE PLATE, BETWEEN PILE C AND "D". BENT 15 FACING BENT 16. (REPAIR TYPE #1)
105. PILE F, DISCONNECTED FROM PILE CAP AND LEANING AGAINST PILE E. (REPAIR TYPE #1)
106. PILE G, 50% LOSS OF BEARING WITH 1-INCH GAP AND 3-INCH OFF-SET. (REPAIR TYPE #2)
107. PILE G, 50% LOSS OF BEARING WITH 6-INCH OFF-SET. (REPAIR TYPE #1)
108. LONG BEAM 1, LOSS OF BEARING, 50% LOSS OF BEARING WITH 1-INCH GAP BETWEEN PILE CAP AND LONGITUDINAL BEAM 1. (REPAIR TYPE #1)

109. PILE D, LOSS OF BEARING, 75% LOSS OF BEARING WITH 1-INCH GAP AND 6-INCH OFF-SET. (REPAIR TYPE #1)
110. PILE G, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
111. PILE B, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
112. PILE C, NON-BEARING, 100% LOSS OF BEARING WITH 3-INCH GAP AND 5-INCH OFF-SET. (REPAIR TYPE #1)
113. PILE E, LOSS OF BEARING 50% LOSS OF BEARING WITH 6-INCH OFF-SET. (REPAIR TYPE #1)
114. PILE F, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
115. PILE H, LOSS OF BEARING, 30% LOSS OF BEARING WITH 8-INCH OFF-SET. (REPAIR TYPE #1)
116. PILE G, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
117. PILE G, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
118. PILE F, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)

119. PILE G, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
120. PILE G, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)

LIST OF DEFECTS IDENTIFICATION NUMBERS: AREA-C

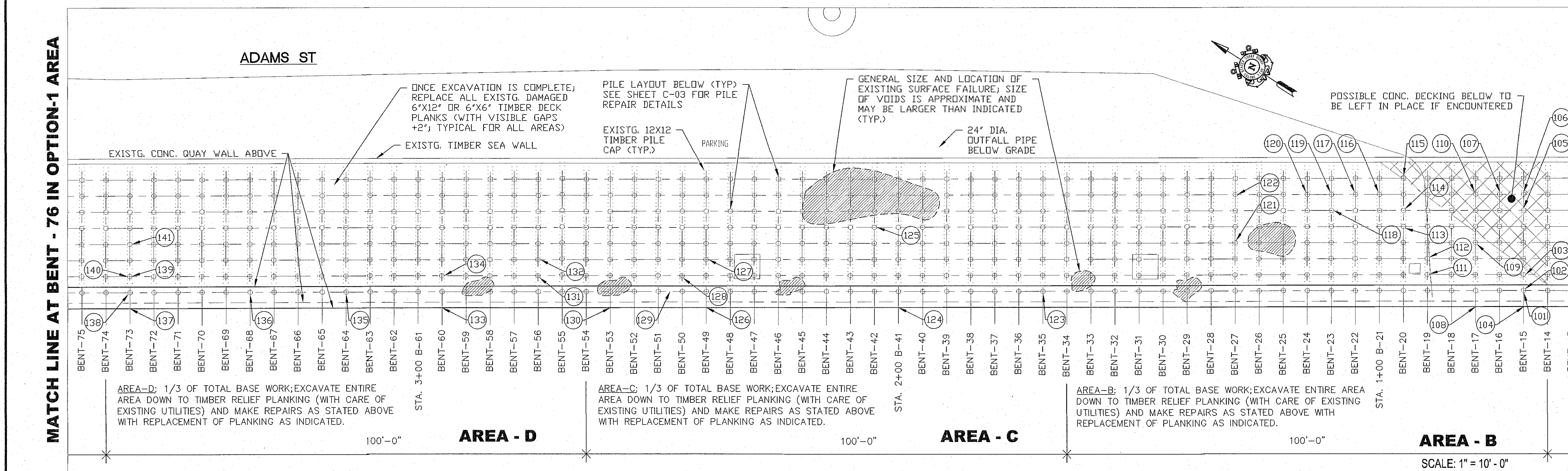
121. PILE D, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
122. PILE G, NON-BEARING, 100% LOSS OF BEARING WITH 2-INCH GAP. (REPAIR TYPE #1)
123. DECK PLANKS, DEBRIS, TIMBER LODGED BETWEEN BENT 35, PILE F AND BENT 36, PILE G. (PLANK REPAIR)
124. PILE CAP, ROT/FUNGAL DECAY, 5 IN. W X 8 IN. H X 6 IN. D. (REPAIR TYPE #3)
125. PILE E, SPLIT, 2 IN W X 4 FT. L X 12 IN. D. (REPAIR TYPE #2)
126. PILE CAP, SPLIT, 1/2 IN. W X 12 IN. L. EXTENDS TO CENTER OF PILE A. (REPAIR TYPE #183)
127. PILE C, LOSS OF BEARING, 75% LOSS OF BEARING WITH 4-INCH OFF-SET. (REPAIR TYPE #1)

128. PILE B, LOSS OF BEARING, 60% LOSS OF BEARING WITH 1-INCH GAP. (REPAIR TYPE #1)
129. DECK PLANK, DISCONNECTED, ON SEAWARD SIDE OF LONGITUDINAL BEAM 1 IS DETACHED. (PLANK REPAIR)
130. PILE CAP, SPLIT, 1/2 IN. W X 12 IN. L. EXTENDS TO CENTER OF PILE A. (REPAIR TYPE #183)

LIST OF DEFECTS IDENTIFICATION NUMBERS: AREA-D

131. PILE B, SHAKE, 12 IN. W X 9 FT. L X 5 IN. D. (REPAIR TYPE #1)
132. PILE C, SHAKE, 12 IN. W X 7 FT. L X 4 IN. D. (REPAIR TYPE #1)
133. PILE CAP, SPLIT, 1/2 IN. W X 12 IN. L. EXTENDS TO THE CENTER OF PILE A. (REPAIR TYPE #183)
134. PILE B, LOSS OF BEARING 60% LOSS OF BEARING WITH 1-INCH GAP. (REPAIR TYPE #1)
135. PILE A, LOSS OF BEARING, 50% LOSS OF BEARING WITH 1/2-INCH GAP. (REPAIR TYPE #1)
136. PILE A, LOSS OF BEARING, 60% LOSS OF BEARING WITH 1-INCH GAP. (REPAIR TYPE #1)

NOTE: FOR DESCRIPTION OF REPAIR TYPES 1,2 AND 3, SEE STATEMENT OF WORK, NEW WORK SECTION 3.2



MATCH LINE AT BENT - 76 IN OPTION-1 AREA

MATCH LINE AT BENT - 13 IN STAGING AREA-A

AT U.S. COAST GUARD YARD / BALTIMORE, MARYLAND
USCG PROJECT NO. 8617883
MDE PROJECT NO. 18-SF-0000?

MD P.E. LICENSE # _____
NAME _____
FIRM NAME TETRA TECH, INC
STREET ADDRESS 240 CONTINENTAL DRIVE, SUITE 200
CITY NEWARK STATE DE ZIP CODE 19713

DATE _____

DISCIPLINE/ SFT NO	
C/04	SHEET 5 OF 7

SCALE: 1" = 25'-0"

STANDARD RESPONSIBILITY NOTES

1. I (WE) CERTIFY THAT:
- a. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS EROSION AND SEDIMENT CONTROL PLAN, AND FURTHER, AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT (AASCD) BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.
- b. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT.
- RESPONSIBLE PERSONNEL ON SITE: _____DERRICK JOSEY _RPC009205_____
- C IF APPLICABLE, THE APPROPRIATE ENCLOSURE WILL BE CONSTRUCTED AND MAINTAINED ON SEDIMENT BASIN(S) INCLUDED IN THIS PLAN. SUCH STRUCTURE(S) WILL BE IN COMPLIANCE WITH THE ANNE ARUNDEL COUNTY CODE.
2. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHT, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE EROSION AND SEDIMENT CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THE PLAN.
3. FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT AND/OR TEMPORARY STABILIZATION PER THE AASCD VEGETATIVE ESTABLISHMENT SHALL BE COMPLETED WITHIN THREE CALENDAR DAYS FOR THE SURFACE OF ALL CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. THE GRADING AND SEDIMENT CONTROL APPROVAL ON THIS PLAN EXTENDS ONLY TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE.
5. THE APPROVAL OF THIS PLAN FOR EROSION AND SEDIMENT CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH FEDERAL, STATE OR COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.
6. THE DEVELOPER MUST REQUEST THAT THE EROSION AND SEDIMENT CONTROL INSPECTOR APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
7. ALL MATERIAL SHALL BE TAKEN TO A SITE WITH AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.
8. FIRST PHASE INSPECTION AND APPROVAL OF THE EROSION AND SEDIMENT CONTROL INSPECTOR SHALL BE REQUIRED UPON COMPLETION OF THE INSTALLATION OF EROSION AND SEDIMENT CONTROLS PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THE INITIAL APPROVAL BY THE EROSION AND SEDIMENT CONTROL INSPECTOR IS GIVEN. INSPECTION AND PERMITS MAY ALSO REQUIRE THAT AN INSPECTION AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING.
9. APPROVAL FROM THE INSPECTOR MUST BE REQUESTED ON FINAL STABILIZATION OF ALL SITES PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROLS.
10. EXISTING TOPOGRAPHY MUST BE FIELD VERIFIED BY RESPONSIBLE PERSONNEL TO THE SATISFACTION OF THE SEDIMENT CONTROL INSPECTOR PRIOR TO COMMENCING WORK.

_____, 10/26/18
SIGNATURE OF DEVELOPER/OWNER DATE

NAME: _____ JOHN ADAMS
TITLE: _____ FACILITY ENGINEER
AFFILIATION: _____ USCG YARD
ADDRESS: _____ 2401 HAWKINS POINT ROAD; CURTIS BAY, MD 21226; BLDG-4
TELEPHONE NUMBER: _____ 410-636-4097
EMAIL ADDRESS: _____ JOHN.C.ADAMS2@USCG.MIL

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.

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL MD. DEPT. OF THE ENVIRONMENT AND OSHA. REGULATIONS ARE MET WITH RESPECT TO TRENCHING SIZE RATIOS, SAFETY AND ENVIRONMENTAL PROTECTION MEASURES; PROTECT ALL STORM WATER INLETS AND/OR CATCH BASINS WITHIN 60' OF ANY EARTH DISTURBANCE.
2. TOTAL VOLUME OF EARTH TO BE DISTURBED IN ALL WORK AREA-A WILL BE APPROXIMATELY 2330 CUBIC YARDS BASED ON (5) AREAS 500'X26'X4.5'D
3. TOTAL VOLUME OF EARTH TO BE DISTURBED IN EACH WORK AREA WILL BE APPROXIMATELY 466 CUBIC YARDS BASED ON EXCAVATION 100'X26'X4.5'
4. SEE SITE ANALYSIS CALCULATIONS ON SHEET T-01 FOR TOTAL SITE DISTURBANCE VOLUMES.

STANDARD NOTES FOR WORKING IN NONTIDAL, WETLAND BUFFERS, WATERWAYS AND 100 YEAR FLOODPLAINS

- 1) NO EXCESS FILL, CONSTRUCTION MATERIAL, OR DEBRIS SHALL BE STOCKPILED OR STORED IN NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
- 2) PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
- 3) DO NOT USE THE EXCAVATED MATERIAL AS BACKFILL IF IT CONTAINS WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE. IF ADDITIONAL BACKFILL IS REQUIRED, USE CLEAN MATERIAL FREE OF WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE.
- 4) PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
- 5) REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, OR WATERWAYS, OR PERMANENT MODIFICATION OF THE 100-YEAR FLOODPLAIN IN EXCESS OF THAT LOST UNDER THE ORIGINALLY AUTHORIZED STRUCTURE OR FILL.
- 6) RECTIFY ANY NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, OR 100-YEAR FLOODPLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION.
- 7) ALL STABILIZATION IN THE NONTIDAL WETLAND AND NONTIDAL WETLAND BUFFER SHALL CONSIST OF THE FOLLOWING SPECIES: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SP.), OATS (UNIOLA SP.), AND/OR RYE (SECALE CEREALE). THESE SPECIES WILL ALLOW FOR THE STABILIZATION OF THE SITE WHILE ALSO ALLOWING FOR THE VOLUNTARY REVEGETATION OF NATURAL WETLAND SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE NONTIDAL WETLANDS AND WATERWAYS DIVISION. **KENTUCKY 31 FESCUE SHALL NOT BE UTILIZED IN WETLAND OR BUFFER AREAS.** THE AREA SHOULD BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
- 8) AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST-CONSTRUCTION GRADES AND ELEVATIONS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN TEMPORARILY IMPACTED AREAS.
- 9) TO PROTECT AQUATIC SPECIES, IN-STREAM WORK IS PROHIBITED AS DETERMINED BY THE CLASSIFICATION OF THE STREAM:

USE I WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.

USE III WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD OCTOBER 1 THROUGH APRIL 30, INCLUSIVE, DURING ANY YEAR.

USE IV WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH MAY 31, INCLUSIVE, DURING ANY YEAR.

10) STORMWATER RUNOFF FROM IMPERVIOUS SURFACES SHALL BE CONTROLLED TO PREVENT THE WASHING OF DEBRIS INTO THE WATERWAY.

11) CULVERTS SHALL BE CONSTRUCTED AND ANY RIPRAP PLACED SO AS NOT TO OBSTRUCT THE MOVEMENT OF AQUATIC SPECIES, UNLESS THE PURPOSE OF THE ACTIVITY IS TO IMPOUND WATER.

CPOP REPAIR WEST WHARF
CG YARD (FY19)

AT U.S. COAST GUARD YARD / BALTIMORE, MARYLAND
USCG PROJECT NO. 8617883
MDE PROJECT NO. 18-SF-000?

CONSULTANT'S CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASCD PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

MD P.E. LICENSE # _____
NAME _____
FIRM NAME _____
STREET ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____

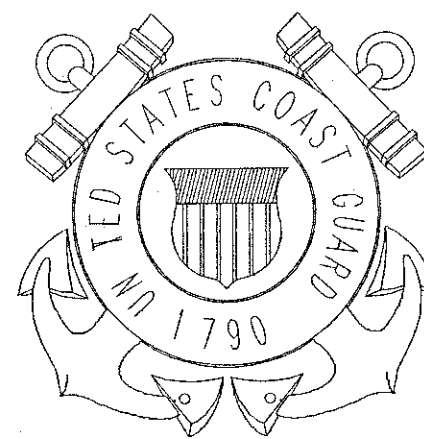
SIGNATURE _____
DATE _____

CONSULTANTS

TETRA TECH, INC
240 CONTINENTAL DRIVE, SUITE 240
NEWARK, DE 19713

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. 24513, EXPIRATION DATE: 12-21-2018

U. S. COAST GUARD YARD
FACILITIES ENGINEERING
BALTIMORE, MARYLAND



US COAST GUARD YARD
2401 HAWKINS POINT ROAD, MS 10
BALTIMORE, MARYLAND 21226

ISSUE		
	10/26/18	ISSUED FOR PERMIT
MARK	DATE	DESCRIPTION
A/E PROJECT NO:		
CAD FILE NAME:		
DESIGNED BY:	FACILITIES ENGINEERING	
DRAWN BY:	D.T.B.	
EDITED BY:	D.T.B.	
CHECKED BY:	D. ANDRESE	
SCALE: AS NOTED PLOT SCALE: 1:1		
SHEET TITLE		
CPOP REPAIR WEST WHARF CG YARD (FY19) WEST WHARF AREA BALTIMORE MARYLAND 04 CIVIL EROSION & SEDIMENT CONTROL NOTES		
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
D. ANDRESE	LT. P. CONSTANTINO	
PROJECT ENG.	DESIGN SUPV.	
_____ LCDR JOHN ADAMS APPROVING OFFICER		10/26/18 DATE
PROJECT NUMBER		DRAWING NUMBER
8617883		YWBW8617883C06
DISCIPLINE/SHT NO		
C/06		SHEET 7 OF 7