CEP-175 & Z-308 BULKHEAD REPAIR

NAVAL STATION NORFOLK - NORFOLK, VIRGINIA

NAVAL FACILITIES ENGINEERING COMMAND MID-ATLANTIC

PUBLIC WORKS DEPARTMENT NORFOLK
FACILITIES ENGINEERING AND ACQUISITION DIVISION
NORFOLK, VIRGINIA

CYM	DESCRIPTION	DATE	APPR

NAVFAC

SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 7-12-16

ACTIVITY
DAVE SEARS
SATISFACTORY TO DATE 6/17/2016

DES CMR | DRW CMR | CHK CLT
DESIGN MANAGER EDDY THEISZ
BRANCH MANAGER CRT
CHIEF ENGINEER J. HASTE, P.E.
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND—MID-ATLANTIC
HAMPTON ROADS IPT – PWD NORFOLK
NORFOLK NAVAL STATION
NORFOLK NAVAL STATION
NORFOLK, VIRGINIA
CEP-175 AND Z-308 BULKHEAD REPAIR
COVER SHEET

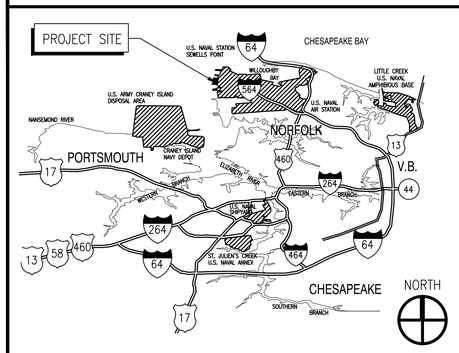
SCALE: AS NOTED
EPROJECT NO.: 1370817
CONSTR. CONTR. NO. N/A
NAVFAC DRAWING NO. 12,729,656
SHEET 1 OF 158

G-001

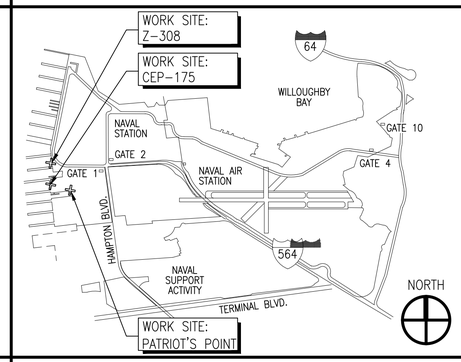
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: P:\VA\NavalStationNorfolk\Waterfront\Bulkheads\2015_1370817_CEP-175Z-308Repair\B_Design\Drawings\Sheet\01_General\1370817_G-001.dwg LAYOUT NAME: G-001 COVER SHEET PLOTTED: Tuesday, July 12, 2016 - 1:01pm USER: kimberly.a.davis2

VICINITY MAP



LOCATION MAP



GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL DISCIPLINES' WORK.
2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, AND OTHER REQUIREMENTS NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK TO THE EXISTING STRUCTURES TO REMAIN. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION REPAIRS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER PRIOR TO ORDERING OR FABRICATION OF MATERIAL OR BEGINNING WORK.
3. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ITEMS NOT NOTED AS "EXISTING" UNDER THE REQUIREMENTS OF THIS CONTRACT.
4. REFERENCE DRAWINGS WILL BE INCLUDED WITH THE DESIGN PACKAGE. REFER TO SPECIFICATION SECTION 00 01 15, "LIST OF DRAWINGS". NOTE ORIGINAL Z-308 BULKHEAD CONSTRUCTION DOCUMENTS USED METRIC UNITS; THIS DRAWING SET USES ENGLISH UNITS. DIMENSIONS OF EXISTING ARE APPROXIMATE CONVERSIONS FROM ORIGINAL CONSTRUCTION DOCUMENTS AND SHOULD BE FIELD VERIFIED BY CONTRACTOR.
5. DISCIPLINE SPECIFIC DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE WORK OF OTHER DISCIPLINES. IF A CONFLICT OCCURS, NOTIFY THE CONTRACTING OFFICER PRIOR TO PROCEEDING.
6. ANY OBSERVED DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER PRIOR TO PROCEEDING WITH THE RELATED REPAIR WORK. ANY ADJUSTMENTS REQUIRED IN THE CONTRACT PRICE DUE TO VARIATION OF QUANTITIES SHALL BE MADE BY THE CONTRACTING OFFICER.
7. IN ADDITION TO SCANNING THE CONSTRUCTION SITE FOR UNDERGROUND UTILITIES, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING BULKHEAD TIE RODS THAT MAY BE AFFECTED BY THE CONSTRUCTION WORK. TIE RODS DAMAGED BY THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED AT NO COST TO THE GOVERNMENT BY A METHOD APPROVED BY THE CONTRACTING OFFICER.
8. WHERE EXISTING STRUCTURES/SLABS/UTILITIES/PAVEMENT MARKINGS TO REMAIN ARE DAMAGED DUE TO NEW CONSTRUCTION OR DEMOLITION REQUIRED BY THESE DOCUMENTS, THE CONTRACTOR SHALL REPAIR THE DAMAGED ITEM(S) WITH NEW MATERIALS TO MATCH THE ADJACENT MATERIAL, TEXTURE, AND COLOR AT NO COST TO THE GOVERNMENT.
9. CONTRACTOR SHALL INSPECT AND CLEAN ALL WEEP HOLES PRIOR TO AND POST CONSTRUCTION. ALL WEEP HOLES SHALL BE CLEAR PRIOR TO BACKFILLING.
10. EXISTING BACKFILL CONSISTS OF CLAY, SILT, GRAVEL, SELECT FILL, PREVIOUS GROUT REPAIRS AND CONCRETE DEBRIS RANGING IN SIZE UP TO 1 CUBIC YARD. DEMOLISH TO LIMITS INDICATED. TEST AND DISPOSE OF CONTAMINATED EXCAVATED MATERIALS AS REQUIRED BY SPECIFICATIONS.
11. EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS AND FIELD SURVEY AND ARE APPROXIMATE ONLY. PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NAVFAC MIDLANT UTILITIES AND MISS UTILITY TO HAVE THE EXISTING UNDERGROUND LINES MARKED ON THE PAVEMENT AND CONCRETE IN THE AREAS OF CONSTRUCTION. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES THAT CROSS THROUGH THE AREAS OF CONSTRUCTION AND HAND EXCAVATE WITHIN 24" OF UTILITIES.
12. ALL STORM SEWER PIPES AND DROP INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT THE LAST STAGES OF CONSTRUCTION.
13. ALL UTILITIES THAT PENETRATE THE EXISTING SEAWALL/ BULKHEAD SHALL BE EXTENDED THROUGH THE NEW BULKHEAD.
14. CONTRACTOR SHALL ANTICIPATE THAT PORTIONS OF THE WORK, INCLUDING THE REPLACEMENT OF THE CEP-175 SEAWALL WILL ALWAYS BE UNDERWATER. PORTIONS OF THE WORK ARE ALSO IN TIDAL ZONES AND WILL FLUCTUATE BETWEEN SUBMERGED AND DRY CONDITIONS.

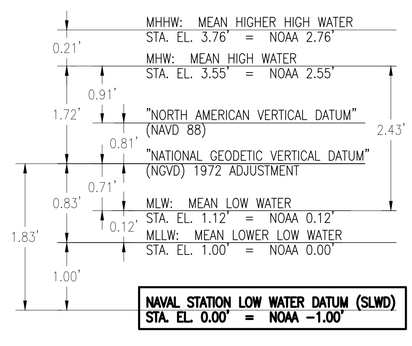
ABBREVIATIONS

ALUM	ALUMINUM
B/W	BETWEEN
CL	CENTER LINE
CMU	CONC MASONRY UNIT
CONC	CONCRETE
DEPT	DEPARTMENT
ø or DIA	DIAMETER
DIM	DIMENSION
DWGS	DRAWINGS
ELEV	ELEVATION
EXIST	EXISTING
FED	FEDERAL
GALV	GALVANIZED
KIP	1000 POUNDS
KO	CONTRACTING OFFICER
KSI	KIPS PER SQ INCH
KTR	CONTRACTOR
LB	POUNDS
LONG	LONGITUDINAL
MAX	MAXIMUM
MIN	MINIMUM
MFR	MANUFACTURER
MPH	MILES PER HOUR
OC	ON CENTER
PSF	POUNDS PER SQ FT
PSI	POUNDS PER SQ IN
REINF	REINFORCING,-MENT
REQ'D	REQUIRED
SCHED	SCHEDULE
SHT	SHEET
SPEC	SPECIFICATION
SQ	SQUARE
T&B	TOP & BOTTOM
TYP	TYPICAL
VERT	VERTICAL
UON	UNLESS OTHERWISE NOTED
VDOT	VIRGINIA DEPT OF TRANSPORTATION
W/	WITH
W/O	WITHOUT

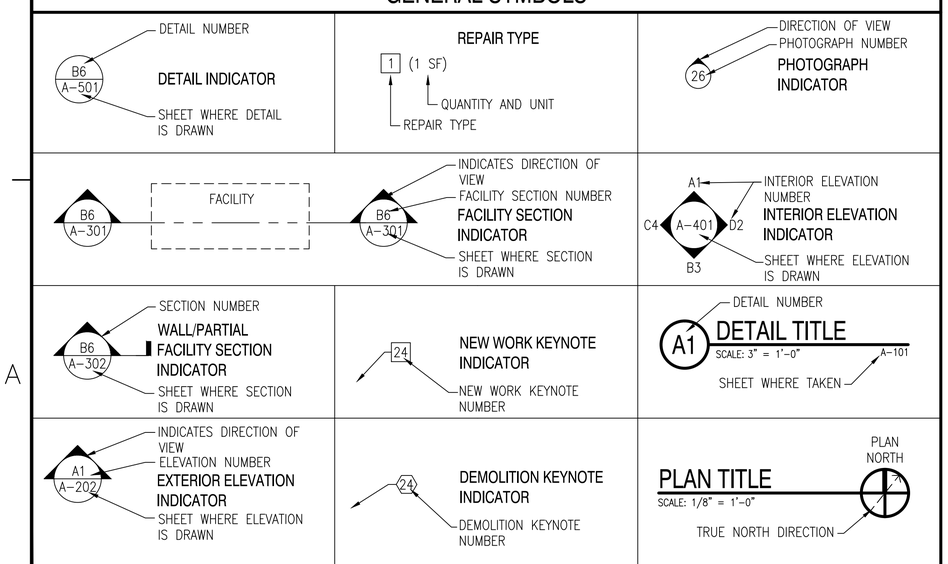
DIAGRAM OF DATUM PLANE *

NAVAL BASE NORFOLK, VA

VERTICAL CONTROL [* 2001 EPOCH]



GENERAL SYMBOLS



SYM	DESCRIPTION	DATE	APPR

NAVFAC

SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 7-12-16

ACTIVITY
DAVE SEARS
SATISFACTORY TO DATE 6/17/2016

DES CMR DRW CMR CHK CLT
DESIGN MANAGER EDDY THEISZ
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FIRE PROTECTION

DEPARTMENT OF THE NAVY
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NAVAL FACILITIES ENGINEERING COMMAND-MID-ATLANTIC
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NORFOLK NAVAL STATION
NORFOLK, VIRGINIA
CEP-175 AND Z-308 BULKHEAD REPAIR
GENERAL NOTES

SCALE: AS NOTED
EPROJECT NO.: 1370817
CONSTR. CONTR. NO. N/A
NAVFAC DRAWING NO. 12,729,657
SHEET 2 OF 158
G-002

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: P:\VA\NavalStationNorfolk\Waterfront\Bulkheads\2015_1370817_CEP-1752_308Report\B_Design\Drawings\Sheet\01_General\1370817_G-002.dwg LAYOUT NAME: G-002 GENERAL NOTES PLOTTED: Tuesday, July 12, 2016 - 1:01pm USER: kimberly.a.davis2

LIST OF SHEETS

	SHEET NO.	NAVFAC DWG. NO.	SHEET TITLE
GENERAL			
1	G-001	12,729,656	COVER SHEET
2	G-002	12,729,657	GENERAL NOTES
3	G-003	12,729,658	LIST OF SHEETS
4	G-004	12,729,659	LIST OF SHEETS
CIVIL			
5	C-001	12,729,660	CIVIL LEGEND, NOTES AND ABBREVIATIONS
CIVIL: CIVIL SITE WORK			
6	CS101	12,729,661	CIVIL SITE PLAN (1 OF 21)
7	CS102	12,729,662	CIVIL SITE PLAN (2 OF 21)
8	CS103	12,729,663	CIVIL SITE PLAN (3 OF 21)
9	CS104	12,729,664	CIVIL SITE PLAN (4 OF 21)
10	CS105	12,729,665	CIVIL SITE PLAN (5 OF 21)
11	CS106	12,729,666	CIVIL SITE PLAN (6 OF 21)
12	CS107	12,729,667	CIVIL SITE PLAN (7 OF 21)
13	CS108	12,729,668	CIVIL SITE PLAN (8 OF 21)
14	CS109	12,729,669	CIVIL SITE PLAN (9 OF 21)
15	CS110	12,729,670	CIVIL SITE PLAN (10 OF 21)
16	CS111	12,729,671	CIVIL SITE PLAN (11 OF 21)
17	CS112	12,729,672	CIVIL SITE PLAN (12 OF 21)
18	CS113	12,729,673	CIVIL SITE PLAN (13 OF 21)
19	CS114	12,729,674	CIVIL SITE PLAN (14 OF 21)
20	CS115	12,729,675	CIVIL SITE PLAN (15 OF 21)
21	CS116	12,729,676	CIVIL SITE PLAN (16 OF 21)
22	CS117	12,729,677	CIVIL SITE PLAN (17 OF 21)
23	CS118	12,729,678	CIVIL SITE PLAN (18 OF 21)
24	CS119	12,729,679	CIVIL SITE PLAN (19 OF 21)
25	CS120	12,729,680	CIVIL SITE PLAN (20 OF 21)
26	CS121	12,729,681	CIVIL SITE PLAN (21 OF 21)
27	CS501	12,729,682	CIVIL SITE – DETAILS
28	CS502	12,729,683	CIVIL SITE – DETAILS
29	CS503	12,729,684	CIVIL SITE – DETAILS
CIVIL: EROSION AND SEDIMENT CONTROL			
30	CE101	12,729,685	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (1 OF 10)
31	CE102	12,729,686	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (2 OF 10)
32	CE103	12,729,687	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (3 OF 10)
33	CE104	12,729,688	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (4 OF 10)
34	CE105	12,729,689	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (5 OF 10)
35	CE106	12,729,690	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (6 OF 10)
36	CE107	12,729,691	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (7 OF 10)
37	CE108	12,729,692	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1&2 (8 OF 10)
38	CE109	12,729,693	EROSION AND SEDIMENT CONTROL PLAN–PHASE 1 (9 OF 10)

LIST OF SHEETS

	SHEET NO.	NAVFAC DWG. NO.	SHEET TITLE
39	CE110	12,729,694	EROSION AND SEDIMENT CONTROL PLAN–PHASE 2 (10 OF 10)
40	CE501	12,729,695	EROSION AND SEDIMENT CONTROL – NOTES
41	CE502	12,729,696	EROSION AND SEDIMENT CONTROL – CONSTRUCTION DETAILS
42	CE503	12,729,697	EROSION AND SEDIMENT CONTROL – CONSTRUCTION DETAILS
STRUCTURAL			
43	S-001	12,729,698	GENERAL STRUCTURAL NOTES
44	S-002	12,729,699	GENERAL STRUCTURAL NOTES AND ABBREVIATIONS
45	S-003	12,729,700	QUANTITY TABLES
46	S-004	12,729,701	PLAN OF BULKHEADS – Z-308, CEP-175 & PATRIOT'S POINT
STRUCTURAL: SD100'S PLAN & ELEV			
47	SD101	12,729,702	STRUCTURAL PLAN & ELEV (1 OF 21) – DEMO
48	SD102	12,729,703	STRUCTURAL PLAN & ELEV (2 OF 21) – DEMO
49	SD103	12,729,704	STRUCTURAL PLAN & ELEV (3 OF 21) – DEMO
50	SD104	12,729,705	STRUCTURAL PLAN & ELEV (4 OF 21) – DEMO
51	SD105	12,729,706	STRUCTURAL PLAN & ELEV (5 OF 21) – DEMO
52	SD106	12,729,707	STRUCTURAL PLAN & ELEV (6 OF 21) – DEMO
53	SD107	12,729,708	STRUCTURAL PLAN & ELEV (7 OF 21) – DEMO
54	SD108	12,729,709	STRUCTURAL PLAN & ELEV (8 OF 21) – DEMO
55	SD109	12,729,710	STRUCTURAL PLAN & ELEV (9 OF 21) – DEMO
56	SD110	12,729,711	STRUCTURAL PLAN & ELEV (10 OF 21) – DEMO
57	SD111	12,729,712	STRUCTURAL PLAN & ELEV (11 OF 21) – DEMO
58	SD111A	12,729,713	STRUCTURAL PLAN & ELEV (11A OF 21) – DEMO
59	SD112	12,729,714	STRUCTURAL PLAN & ELEV (12 OF 21) – DEMO
60	SD113	12,729,715	STRUCTURAL PLAN & ELEV (13 OF 21) – DEMO
61	SD114	12,729,716	STRUCTURAL PLAN & ELEV (14 OF 21) – DEMO
62	SD115	12,729,717	STRUCTURAL PLAN & ELEV (15 OF 21) – DEMO
63	SD115A	12,729,718	STRUCTURAL PLAN & ELEV (15A OF 21) – DEMO
64	SD116	12,729,719	STRUCTURAL PLAN & ELEV (16 OF 21) – DEMO
65	SD117	12,729,720	STRUCTURAL PLAN & ELEV (17 OF 21) – DEMO
66	SD118	12,729,721	STRUCTURAL PLAN & ELEV (18 OF 21) – DEMO
67	SD119	12,729,722	STRUCTURAL PLAN & ELEV (19 OF 21) – DEMO
68	SD120	12,729,723	STRUCTURAL PLAN & ELEV (20 OF 21) – DEMO
69	SD121	12,729,724	STRUCTURAL PLAN & ELEV (21 OF 21) – DEMO
STRUCTURAL: SD300 DEMO SECTIONS			
70	SD301	12,729,725	DEMOLITION SECTIONS
71	SD302	12,729,726	DEMOLITION SECTIONS
72	SD303	12,729,727	DEMOLITION SECTIONS
73	SD304	12,729,728	DEMOLITION SECTIONS
74	SD305	12,729,729	DEMOLITION SECTIONS
75	SD306	12,729,730	DEMOLITION SECTIONS
76	SD307	12,729,731	DEMOLITION SECTIONS
77	SD308	12,729,732	DEMOLITION SECTIONS
78	SD309	12,729,733	DEMOLITION SECTIONS

LIST OF SHEETS

	SHEET NO.	NAVFAC DWG. NO.	SHEET TITLE
79	SD310	12,729,734	DEMOLITION SECTIONS
80	SD311	12,729,735	DEMOLITION SECTIONS
81	SD312	12,729,736	DEMOLITION SECTIONS
STRUCTURAL: SD400'S LARGE SCALE VIEWS			
82	SD401	12,729,737	CEP-175 SLOPE REPAIR EXISTING CONDITIONS
STRUCTURAL: SD500 DEMO & CONCRETE REPAIR DETAILS			
83	SD501	12,729,738	FENDER, SEAWALL & CLEAT DEMO DETAILS
84	SD502	12,729,739	CONCRETE REPAIR DETAILS
85	SD503	12,729,740	CONCRETE REPAIR DETAILS
86	SD504	12,729,741	REPAIR DETAILS
STRUCTURAL: SD900'S REFERENCE PHOTOGRAPHS			
87	SD901	12,729,742	REFERENCE PHOTOGRAPHS (Z-308 BULKHEAD) – DEMO
88	SD902	12,729,743	REFERENCE PHOTOGRAPHS (CEP-175 BULKHEAD) – DEMO
STRUCTURAL: S-100'S PLAN & ELEV			
89	S-101	12,729,744	STRUCTURAL PLAN & ELEV (1 OF 21)
90	S-102	12,729,745	STRUCTURAL PLAN & ELEV (2 OF 21)
91	S-103	12,729,746	STRUCTURAL PLAN & ELEV (3 OF 21)
92	S-104	12,729,747	STRUCTURAL PLAN & ELEV (4 OF 21)
93	S-105	12,729,748	STRUCTURAL PLAN & ELEV (5 OF 21)
94	S-106	12,729,749	STRUCTURAL PLAN & ELEV (6 OF 21)
95	S-107	12,729,750	STRUCTURAL PLAN & ELEV (7 OF 21)
96	S-108	12,729,751	STRUCTURAL PLAN & ELEV (8 OF 21)
97	S-109	12,729,752	STRUCTURAL PLAN & ELEV (9 OF 21)
98	S-110	12,729,753	STRUCTURAL PLAN & ELEV (10 OF 21)
99	S-111	12,729,754	STRUCTURAL PLAN & ELEV (11 OF 21)
100	S-111A	12,729,755	STRUCTURAL PLAN & ELEV (11A OF 21)
101	S-112	12,729,756	STRUCTURAL PLAN & ELEV (12 OF 21)
102	S-113	12,729,757	STRUCTURAL PLAN & ELEV (13 OF 21)
103	S-114	12,729,758	STRUCTURAL PLAN & ELEV (14 OF 21)
104	S-115	12,729,759	STRUCTURAL PLAN & ELEV (15 OF 21)
105	S-115A	12,729,760	STRUCTURAL PLAN & ELEV (15A OF 21)
106	S-116	12,729,761	STRUCTURAL PLAN & ELEV (16 OF 21)
107	S-117	12,729,762	STRUCTURAL PLAN & ELEV (17 OF 21)
108	S-118	12,729,763	STRUCTURAL PLAN & ELEV (18 OF 21)
109	S-119	12,729,764	STRUCTURAL PLAN & ELEV (19 OF 21)
110	S-120	12,729,765	STRUCTURAL PLAN & ELEV (20 OF 21)
111	S-121	12,729,766	STRUCTURAL PLAN & ELEV (21 OF 21)
STRUCTURAL: S-300'S SECTIONS			
112	S-301	12,729,767	SECTIONS
113	S-302	12,729,768	SECTIONS
114	S-303	12,729,769	SECTIONS
115	S-304	12,729,770	SECTIONS
116	S-305	12,729,771	SECTIONS
117	S-306	12,729,772	SECTIONS

SYM	DESCRIPTION	DATE	APPR
–	–	–	–

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 7-12-16

ACTIVITY

DAVE SEARS

SATISFACTORY TO DATE 6/17/2016

DES CMR DRW CMR CHK CLT

DESIGN MANAGER EDDY THEISZ

BRANCH MANAGER CRT

CHIEF ENGINEER J. HASTE, P.E.

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT – PWD NORFOLK

NAVAL FACILITIES ENGINEERING COMMAND–MID-ATLANTIC
NORFOLK NAVAL STATION

NORFOLK NAVAL STATION NORFOLK, VIRGINIA

CEP-175 AND Z-308 BULKHEAD REPAIR

LIST OF SHEETS

SCALE: AS NOTED

EPROJECT NO.: 1370817

CONSTR. CONTR. NO. N/A

NAVFAC DRAWING NO. 12,729,658

SHEET 3 OF 158

G-003

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: P:\VA\NorvaStationNorfolk\Waterfront\Bulkheads\2015_1370817_CEP-175\Z-308Repair\B_Design\Drawings\Sheet\01_General\1370817_G-003.dwg LAYOUT NAME: G-003 LIST OF SHEETS PLOTTED: Tuesday, July 12, 2016 – 1:01pm USER: kimberly.s.dunis2

LIST OF SHEETS

	SHEET NO.	NAVFAC DWG. NO.	SHEET TITLE
118	S-307	12,729,773	SECTIONS
119	S-308	12,729,774	SECTIONS
120	S-309	12,729,775	SECTIONS
121	S-310	12,729,776	SECTIONS
122	S-311	12,729,777	SECTIONS
123	S-312	12,729,778	SECTIONS
STRUCTURAL: S-400'S LARGE SCALE VIEWS			
124	S-401	12,729,779	CEP-175 SLOPE REPAIR
STRUCTURAL: S-500'S DETAILS			
125	S-501	12,729,780	TYPICAL CLEATS AND SEAWALL DETAILS
126	S-502	12,729,781	TYPICAL SEAWALL DETAILS
127	S-503	12,729,782	TYPICAL SLOPE STABILIZATION DETAILS
128	S-504	12,729,783	TYPICAL GROUT CURTAIN DETAILS
129	S-505	12,729,784	CONCRETE FENDER SYSTEM DETAILS
130	S-506	12,729,785	COMPOSITE FENDER SYSTEM DETAILS
131	S-507	12,729,786	DETAILS
132	S-508	12,729,787	LADDER DETAILS
133	S-509	12,729,788	LADDER DETAILS
134	S-510	12,729,789	DUMPSTER ENCLOSURE DETAILS
STRUCTURAL: MARINE MAMMAL PROTECTION ACT			
135	MMPA-101	12,729,790	Z-308 – MMPA SAFETY ZONE MAPS
136	MMPA-102	12,729,791	CEP-175 – MMPA SAFETY ZONE MAPS
ELECTRICAL			
137	E-001	12,729,792	LEGEND, ABBREVIATIONS, AND NOTES
138	ES101	12,729,793	ELECTRICAL SITE PLAN (1 OF 21)
139	ES102	12,729,794	ELECTRICAL SITE PLAN (2 OF 21)
140	ES103	12,729,795	ELECTRICAL SITE PLAN (3 OF 21)
141	ES104	12,729,796	ELECTRICAL SITE PLAN (4 OF 21)
142	ES105	12,729,797	ELECTRICAL SITE PLAN (5 OF 21)
143	ES106	12,729,798	ELECTRICAL SITE PLAN (6 OF 21)
144	ES107	12,729,799	ELECTRICAL SITE PLAN (7 OF 21)
145	ES108	12,729,800	ELECTRICAL SITE PLAN (8 OF 21)
146	ES109	12,729,801	ELECTRICAL SITE PLAN (9 OF 21)
147	ES110	12,729,802	ELECTRICAL SITE PLAN (10 OF 21)
148	ES111	12,729,803	ELECTRICAL SITE PLAN (11 OF 21)
149	ES112	12,729,804	ELECTRICAL SITE PLAN (12 OF 21)
150	ES113	12,729,805	ELECTRICAL SITE PLAN (13 OF 21)
151	ES114	12,729,806	ELECTRICAL SITE PLAN (14 OF 21)
152	ES115	12,729,807	ELECTRICAL SITE PLAN (15 OF 21)
153	ES116	12,729,808	ELECTRICAL SITE PLAN (16 OF 21)
154	ES117	12,729,809	ELECTRICAL SITE PLAN (17 OF 21)
155	ES118	12,729,810	ELECTRICAL SITE PLAN (18 OF 21)
156	ES119	12,729,811	ELECTRICAL SITE PLAN (19 OF 21)

LIST OF SHEETS

	SHEET NO.	NAVFAC DWG. NO.	SHEET TITLE
157	ES120	12,729,812	ELECTRICAL SITE PLAN (20 OF 21)
158	ES121	12,729,813	ELECTRICAL SITE PLAN (21 OF 21)

SYM	DESCRIPTION	DATE	APPR
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NAVFAC

SEAL

A/E INFO.

APPROVED

FOR COMMANDER NAVFAC 7-12-16

ACTIVITY

DAVE SEARS

SATISFACTORY TO DATE 6/17/2016

DES CMR DRW CMR CHK CLT

DESIGN MANAGER EDDY THEISZ

BRANCH MANAGER CRT

CHIEF ENGINEER J. HASTE, P.E.

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT – PWD NORFOLK

NAVAL FACILITIES ENGINEERING COMMAND–MID-ATLANTIC
NORFOLK NAVAL STATION

NORFOLK NAVAL STATION
NORFOLK, VIRGINIA

CEP-175 AND Z-308 BULKHEAD REPAIR

LIST OF SHEETS

SCALE: AS NOTED

EPROJECT NO.: 1370817

CONSTR. CONTR. NO. N/A

NAVFAC DRAWING NO. 12,729,659

SHEET 4 OF 158

G-004

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: P:\VA\NavalStationNorfolk\Waterfront\Bulkhead\2015_1370817_CEP-1752-308Repair\B_Design\Drawings\Sheet\01_General\1370817_G-003.dwg LAYOUT NAME: G-004 LIST OF SHEETS PLOTTED: Tuesday, July 12, 2016 - 1:01pm USER: kimberly.s.dovis2