P-475 AIRCRAFT MAINTENANCE HANGAR

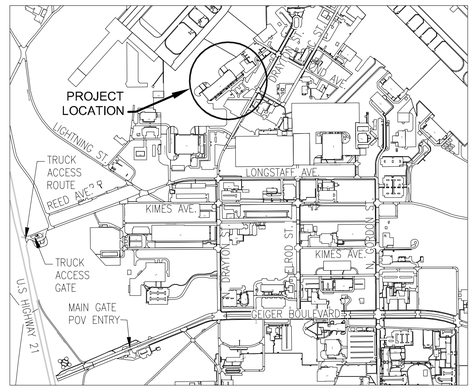
MARINE CORPS AIR STATION BEAUFORT, SC

- VOLUME 1: BASE BID WITH OPTIONS -

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC

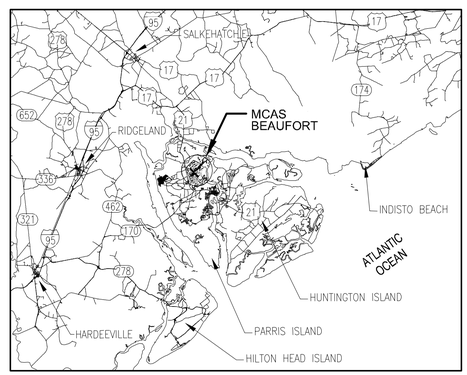
DESIGN AND CONSTRUCTION (DC) CORE - NORFOLK, VA

NOTE:
ELEVATIONS ARE IN FEET AND REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD) 1988 AND ARE BASED ON BEAUFORT MARINE BASE CONTROL, VERT 7-176



SCALE: 1" = 1000'

LOCATION MAP



SCALE: 1" = 10 Miles

VICINITY MAP

BJWSA PROJECT#: 2021-112

CIVIL
BAMFORTH ENGINEERS + SURVEYORS
2207 HAMPTON BOULEVARD
NORFOLK, VA 23517
TELEPHONE: (757) 627-7079

ARCHITECTURAL, INTERIORS, MECHANICAL AND ELECTRICAL
RLF
4750 NEW BROAD STREET
ORLANDO, FL 32814
TELEPHONE: (407) 730-8600

STRUCTURAL
SPEIGHT, MARSHALL & FRANCIS, P.C.
1228 PERIMETER PARKWAY, SUITE 201
VIRGINIA BEACH, VA 23454
TELEPHONE: (757) 427-1020

FIRE PROTECTION
JENSEN–HUGHES
4445 CORPORATION LANE, SUITE 211
VIRGINIA BEACH, VA 23462
TELEPHONE: (757) 427-1020

LANDSCAPE
LAND3 STUDIO LLC
317 SE MAIN STREET
LEE'S SUMMIT, MO 64063
TELEPHONE: (816) 207-6019

GEOTECHNICAL ENVIRONMENTAL
GER
2712 SOUTHERN BOULEVARD, SUITE 101
VIRGINIA BEACH, VA 23452
TELEPHONE: (757) 463-3200

SYM	DESCRIPTION	DATE	APPR
	MOD P00006 AND MOD P00007	10/2025	
	MOD P00005	05/2023	

NAVFAC

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 23067 01/13/23 ANNA LEE BAMFORTH

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 4/21/2025

ACTIVITY

Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email.

SATISFACTORY TO DATE 12/15/2022

DES	CAB	DRW	CAD	CHK	ALB
PM/DM					KTB/RLH
BRANCH MANAGER					JED
CHIEF ENG/ARCH					EJA
FIRE PROTECTION					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA

DC CORE

MCAS BEAUFORT BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 1 (BASE BID WITH OPTIONS)

TITLE SHEET

SCALE: AS NOTED

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12859173

SHEET 1 OF 1412

GI001

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BJWSA 10-02-25\BLDG-P475-1363603-GI001.dwg LAYOUT NAME: VOLUME 1 PLOTTED: Thursday, November 06, 2025 - 2:03pm USER: mtw

DRAWING SHEET INDEX - VOLUME 1

SEQUENCE	SHEET	TITLE	NAVFAC DWG. NO.
		VOLUME 1 - BASE BID WITH OPTIONS	
		GENERAL INFORMATION	
1	GI001	TITLE SHEET	12859173
2	GI002	DRAWING SHEET INDEX - VOLUME 1	12859174
3	GI003	NOTES	12859175
		HAZARDOUS MATERIALS	
4	MHD101	HAZARDOUS MATERIALS FLOOR PLAN EXISTING BUILDING - AREA A	12859176
5	MHD102	HAZARDOUS MATERIALS FLOOR PLAN EXISTING BUILDING - AREA B AND PHOTOGRAPHS	12859177
6	MHD103	HAZARDOUS MATERIALS REMOVAL CONCRETE TRENCH AND RICKWELL SYSTEM	12859178
		GEOTECHNICAL	
7	B-001	TESTING LOCATION PLAN & PROFILE	12859179
8	B-101	PIEZOCONE SOUNDINGS	12859180
9	B-102	BORING LOGS	12859181
10	B-103	BORING LOGS	12859182
11	B-104	GOVERNMENT SUPPLIED TESTING DATA	12859183
12	B-105	GOVERNMENT SUPPLIED TESTING DATA	12859184
13	B-106	GOVERNMENT SUPPLIED TESTING DATA	12859185
		CIVIL	
14	C-001	LEGEND AND GENERAL NOTES	12859186
15	C-002	EXISTING UTILITY SCHEDULES	12859187
16	C-003	EXISTING UTILITY SCHEDULES & NOTES	12859188
17	C-004	CONTRACTOR ACCESS PLAN	12859189
18	C-005	OVERALL SITE PLAN	12859190
19	C-006	KEY PLANS: DEMOLITION & SITE IMPROVEMENTS	12859191
20	C-007	CONSTRUCTION PHASING PLAN - PHASE 1A	12859192
21	C-008	CONSTRUCTION PHASING PLAN - PHASE 1B	12859193
22	C-009	CONSTRUCTION PHASING PLAN - PHASE 2	12859194
23	C-010	CONSTRUCTION PHASING PLAN - PHASE 3	12859195
24	C-011	PHASE 1 - INITIAL EROSION AND SEDIMENT CONTROL	12859196
25	C-012	PHASE 2 - INTERMEDIATE EROSION AND SEDIMENT CONTROL	12859197
26	C-013	PHASE 3 - FINAL EROSION AND SEDIMENT CONTROL	12859198
27	CV100	KEY PLAN: EXISTING CONDITIONS	12859199
28	CV101	EXISTING CONDITIONS PLAN	12859200
29	CV102	EXISTING CONDITIONS PLAN	12859201
30	CV103	EXISTING CONDITIONS PLAN	12859202
31	CV104	EXISTING CONDITIONS PLAN	12859203
32	CV105	EXISTING CONDITIONS PLAN	12859204
33	CV106	EXISTING CONDITIONS PLAN	12859205
34	CV107	EXISTING CONDITIONS PLAN	12859206
35	CV108	EXISTING CONDITIONS PLAN	12859207
36	CV109	EXISTING CONDITIONS PLAN	12859208
37	CV110	EXISTING CONDITIONS PLAN	12859209
38	CV111	EXISTING CONDITIONS PLAN	12859210
39	CV112	EXISTING CONDITIONS PLAN	12859211
40	CV801	EXISTING CONDITIONS - PHOTOS	12859212
41	CV802	EXISTING CONDITIONS - PHOTOS	12859213
42	CD100	DEMOLITION LEGEND AND NOTES	12859214
43	CD101	SITE DEMOLITION AND EROSION CONTROL PLAN	12859215
44	CD102	SITE DEMOLITION AND EROSION CONTROL PLAN	12859216
45	CD103	SITE DEMOLITION AND EROSION CONTROL PLAN	12859217
46	CD104	SITE DEMOLITION AND EROSION CONTROL PLAN	12859218
47	CD105	SITE DEMOLITION AND EROSION CONTROL PLAN	12859219
48	CD106	SITE DEMOLITION AND EROSION CONTROL PLAN	12859220
49	CD107	CIVIL UTILITY DEMOLITION AND EROSION CONTROL PLAN	12859221
50	CD108	CIVIL UTILITY DEMOLITION AND EROSION CONTROL PLAN	12859222
51	CD109	CIVIL UTILITY DEMOLITION AND EROSION CONTROL PLAN	12859223
52	CD110	CIVIL UTILITY DEMOLITION AND EROSION CONTROL PLAN	12859224
53	CD111	CIVIL UTILITY DEMOLITION AND EROSION CONTROL PLAN	12859225
54	CD112	CIVIL UTILITY DEMOLITION AND EROSION CONTROL PLAN	12859226
55	CE100	OVERALL EXISTING ENVIRONMENTAL PLAN	12859227
56	CE101	SITE ENVIRONMENTAL PLAN	12859228
57	CE102	SITE ENVIRONMENTAL PLAN	12859229
58	CE103	SITE ENVIRONMENTAL PLAN	12859230
59	CE104	SITE ENVIRONMENTAL PLAN	12859231
60	CE105	SITE ENVIRONMENTAL PLAN	12859232
61	CE106	SITE ENVIRONMENTAL PLAN	12859233
62	CE501	DEWATERING TREATMENT CONCEPT DIAGRAM	12859234
63	CS001	SITE LAYOUT CONTROL POINTS	12859235
64	CS002	OVERALL AIRFIELD CONCRETE PAVEMENT CONSTRUCTION SEQUENCE PLAN	12859236
65	CS100	ATFP CRITERIA PLAN	12859237
66	CS101	LAYOUT PLAN	12859238
67	CS102	LAYOUT PLAN	12859239
68	CS103	LAYOUT PLAN	12859240
69	CS104	LAYOUT PLAN	12859241
70	CS105	LAYOUT PLAN	12859242
71	CS106	LAYOUT PLAN	12859243
72	CS401	ENLARGED JOINTING PLAN	12859244
73	CS402	ENLARGED JOINTING PLAN	12859245
74	CS403	ENLARGED JOINTING PLAN	12859246
75	CS501	DETAILS	12859247
76	CS502	PCC PAVEMENT DETAILS	12859248
77	CS503	DETAILS	12859249
78	CS504	DETAILS	12859250
79	CS505	DETAILS	12859251
80	CS506	DETAILS - RESTRICTED AREA FENCING	12859252
81	CS507	DETAILS - RESTRICTED AREA FENCING	12859253
82	CS508	DETAILS - RESTRICTED AREA FENCING	12859254
83	CS509	DETAILS - RESTRICTED AREA FENCING	12859255
84	CS510	DETAILS - FENCING AND GATES	12859256
85	CS511	DETAILS - TEMPORARY FENCING	12859257
86	CP101	APRON MARKING DEMOLITION PLAN - PHASE 1	12859258
87	CP102	APRON MARKING DEMOLITION PLAN - PHASE 2	12859259
88	CP103	APRON MARKING IMPROVEMENT PLAN - PHASE 2	12859260
89	CP104	APRON MARKING DEMOLITION PLAN - PHASE 3	12859261

SEQUENCE	SHEET	TITLE	NAVFAC DWG. NO.
		CIVIL	
90	CP105	APRON MARKING IMPROVEMENT PLAN - PHASE 3	12859262
91	CP401	ENLARGED APRON MARKING PLAN	12859263
92	CP402	ENLARGED APRON MARKING PLAN	12859264
93	CP403	ENLARGED APRON MARKING PLAN	12859265
94	CP404	ENLARGED APRON MARKING PLAN	12859266
95	CP501	APRON PAVEMENT MARKING DETAILS AND NOTES	12859267
96	CG001	STORM SCHEDULE	12859268
97	CG002	STORM SCHEDULE	12859269
98	CG101	GRADING AND EROSION CONTROL PLAN	12859270
99	CG102	GRADING AND EROSION CONTROL PLAN	12859271
100	CG103	GRADING AND EROSION CONTROL PLAN	12859272
101	CG104	GRADING AND EROSION CONTROL PLAN	12859273
102	CG105	STORM DRAINAGE PLAN	12859274
103	CG106	STORM DRAINAGE PLAN	12859275
104	CG107	STORM DRAINAGE PLAN	12859276
105	CG108	STORM DRAINAGE PLAN	12859277
106	CG301	STORM SEWER PROFILES	12859278
107	CG302	STORM SEWER PROFILES	12859279
108	CG303	STORM SEWER PROFILES	12859280
109	CG304	STORM SEWER PROFILES	12859281
110	CG305	STORM SEWER PROFILES	12859282
111	CG306	STORM SEWER PROFILES	12859283
112	CG501	DETAILS	12859284
113	CG502	DETAILS	12859285
114	CG503	DETAILS	12859286
115	CG504	DETAILS	12859287
116	CG505	DETAILS	12859288
117	CG506	DETAILS	12859289
118	CG507	DETAILS	12859290
119	CG508	DETAILS	12859291
120	CG509	DETAILS	12859292
121	CG510	DETAILS	12859293
122	CG511	DETAILS	12859294
123	CG512	DRY DETENTION AREA SECTION	12859295
124	CG513	DETAILS	12859296
125	CG701	PRE-DEVELOPMENT DRAINAGE AREA PLAN	12859297
126	CG702	POST DEVELOPMENT DRAINAGE AREA PLAN	12859298
127	CU001	SANITARY SEWER SCHEDULE	12859299
128	CU100	OVERALL UTILITY PLAN	12859300
129	CU101	UTILITY PLAN	12859301
130	CU102	UTILITY PLAN	12859302
131	CU103	UTILITY PLAN	12859303
132	CU104	UTILITY PLAN	12859304
133	CU105	COMPOSITE UTILITY PLAN	12859305
134	CU301	SANITARY FORCEMAIN & SANITARY SEWER PROFILES	12859306
135	CU302	SANITARY SEWER PROFILES	12859307
136	CU303	WATER PROFILE	12859308
137	CU304	WATER PROFILE	12859309
138	CU305	WATER PROFILE	12859310
139	CU306	WATER PROFILE	12859311
140	CU501	BJWSA DETAILS	12859312
141	CU502	BJWSA DETAILS	12859313
142	CU503	BJWSA DETAILS	12859314
143	CU504	BJWSA DETAILS	12859315
144	CU505	BJWSA DETAILS	12859316
145	CU506	BJWSA DETAILS	12859317
146	CU507	DETAILS	12859318
147	CU508	DETAILS	12859319
148	CU509	DETAILS	12859320
149	C-501	EROSION AND SEDIMENT CONTROL NOTES AND SEQUENCE OF CONSTRUCTION	12859321
150	C-502	EROSION AND SEDIMENT CONTROL DETAILS	12859322
151	C-503	EROSION AND SEDIMENT CONTROL DETAILS	12859323
152	C-504	EROSION AND SEDIMENT CONTROL DETAILS	12859324
153	C-505	EROSION AND SEDIMENT CONTROL DETAILS	12859325
154	C-506	EROSION AND SEDIMENT CONTROL DETAILS	12859326
155	C-507	DRY SEDIMENT BASIN DETAILS	12859327
156	C-508	DRY SEDIMENT BASIN DETAILS	12859328
		LANDSCAPE ARCHITECTURE	
157	LP100	LANDSCAPE KEY PLAN	12859329
158	LP101	LANDSCAPE PLAN	12859330
159	LP102	LANDSCAPE PLAN	12859331
160	LP103	LANDSCAPE PLAN	12859332
161	LP104	LANDSCAPE PLAN	12859333
162	LP400	LANDSCAPE PLAN ENLARGEMENT	12859334
163	LP401	LANDSCAPE SUBDRAINAGE ENLARGEMENT	12859335
164	LP500	LANDSCAPE DETAILS	12859336
165	LP501	LANDSCAPE DETAILS	12859337
166	LP600	LANDSCAPE SCHEDULE	12859338
167	LF101	LANDSCAPE FURNISHING PLAN	12859339
168	LF500	LANDSCAPE FURNISHING DETAILS	12859340
		DEMOLITION	
169	AD100	ARCHITECTURAL SITE PLAN, DEMOLITION	12859341
170	MAD101	BLDG. 414 - DEMOLITION PLAN, GROUND FLOOR, OVERALL	12859342
171	MAD151	BLDG. 414 - EXISTING PHOTOGRAPHS	12859343
171A	MAD152	BLDG. 414 - EXISTING PHOTOGRAPHS	12871508
171B	MAD153	BLDG. 414 - EXISTING PHOTOGRAPHS	12871509
172	NAD101	BLDG. 727 - DEMOLITION PLAN, FIRST FLOOR, OVERALL	12859344
173	NAD102	BLDG. 727 - DEMOLITION PLAN, SECOND FLOOR, OVERALL	12859345

SEQUENCE	SHEET	TITLE	NAVFAC DWG. NO.
		ARCHITECTURAL	
174	AS001	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS	12859346
175	AS100	ARCHITECTURAL SITE PLAN - HANGAR AND OSF/SHOP ANNEX	12859347
176	AS100A	ARCHITECTURAL SITE PLAN - HANGAR AND OSF/SHOP ANNEX	12859348
177	AS100B	ARCHITECTURAL SITE PLAN - PARKING GARAGE	12859349
178	AS401	PLANS, ELEVATIONS, SECTION, AND DETAILS - OXYGEN TANK STORAGE	12859350
179	AS402	PLANS, ELEVATIONS, SECTION, AND DETAILS - EQUIPMENT SCREEN	12859351
		MECHANICAL	
180	MS001	MECHANICAL ABBREVIATIONS AND NOTES	12859352
181	MS101	MECHANICAL SITE PLAN	12859353
182	MS102	CHILLER YARD ENLARGED PLAN	12859354
183	MS501	MECHANICAL DETAILS	12859355
		ELECTRICAL	
184	EG001	ELECTRICAL LEGEND AND ABBREVIATIONS - VOLUME 1	12859356
185	ED100	DEMOLITION ELECTRICAL SITE PLAN - OVERALL	12859357
186	ED101	DEMOLITION ELECTRICAL SITE PLAN	12859358
187	ED102	DEMOLITION ELECTRICAL SITE PLAN	12859359
188	ED103	DEMOLITION ELECTRICAL SITE PLAN	12859360
189	ED104	DEMOLITION ELECTRICAL SITE PLAN	12859361
190	ED105	DEMOLITION ELECTRICAL SITE PLAN	12859362
191	ED106	DEMOLITION ELECTRICAL SITE PLAN	12859363
192	ES100	ELECTRICAL SITE PLAN - OVERALL	12859364
193	ES100A	ELECTRICAL SITE PLAN - HANGAR, OSF, PARKING GARAGE	12859365
194	ES100B	ELECTRICAL SITE PLAN - APRON	12859366
195	ES100C	ELECTRICAL SITE PLAN - RESTRICTED AREA SECURITY FENCE UTILITIES	12859367
196	ES101	LIGHTING SITE PLAN - OVERALL	12859368
197	ES401	ENLARGED SITE PLANS	12859369
198	ES402	ENLARGED SITE PLANS	12859370
199	ES403	ENLARGED SITE PLANS	12859371
200	ES404	ENLARGED SITE PLANS	12859372
201	ES405	ENLARGED SITE PLANS	12859373
202	ES406	ENLARGED SITE PLANS	12859374
203	ES501	SITE DETAILS	12859375
204	ES502	SITE DETAILS	12859376
205	ES503	SITE DETAILS	12859377
206	ES504	SITE DETAILS	12859378
207	ES505	SITE DETAILS	12859379
208	ES506	LIGHTING FIXTURE DETAILS	12859380
209	ES507	SITE DETAILS	12859381
210	ES508	SITE DETAILS	12859382
211	ES600	SINGLE LINE DIAGRAM - MEDIUM VOLTAGE	12859383
212	ES601	SINGLE LINE DIAGRAM - NORMAL POWER - APRON	12859384
213	ES602	OVERALL GROUNDING DIAGRAM - 1AHSBN1	12859385
214	ES603	SINGLE LINE DIAGRAM	12859386
215	ES701	LIGHTING FIXTURE SCHEDULE	12859387
216	ES801	PANEL SCHEDULES	12859388
217	ES802	PANEL SCHEDULES	12859389
		TELECOMMUNICATIONS	
218	TS001	HANGAR - TELECOMMUNICATIONS SITE LEGEND AND ABBREVIATIONS	12859390
219	TD100	HANGAR - TELECOMMUNICATIONS OVERALL SITE DEMOLITION REFERENCE PLAN	12859391
220	TD103	HANGAR - TELECOMMUNICATIONS SITE DEMOLITION PLAN SECTOR 3	12859392
221	TD104	HANGAR - TELECOMMUNICATIONS SITE DEMOLITION PLAN SECTOR 4	12859393
222	TD105	HANGAR - TELECOMMUNICATIONS SITE DEMOLITION PLAN SECTOR 5	12859394
223	TD107	HANGAR - TELECOMMUNICATIONS SITE DEMOLITION PLAN SECTOR 7	12859395
224	TD601	HANGAR - TELECOMMUNICATIONS OSP RISER DIAGRAM - DEMOLITION	12859396
225	TS100	HANGAR - TELECOMMUNICATIONS OVERALL SITE REFERENCE PLAN	12859397
226	TS101	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 1	12859398
227	TS102	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 2	12859399
228	TS103	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 3	12859400
229	TS104	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 4	12859401
230	TS105	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 5	12859402
231	TS106	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 6	12859403
232	TS107	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 7	12859404
232A	TS108	HANGAR - TELECOMMUNICATIONS SITE PLAN SECTOR 8	12871510
233	TS501	HANGAR - TELECOMMUNICATION SITE DETAILS	12859405
234	TS502	HANGAR - TELECOMMUNICATION SITE DETAILS	12859406
235	TS503	HANGAR - TELECOMMUNICATION SITE DETAILS	12859407
236	TS504	HANGAR - TELECOMMUNICATION SITE DETAILS	12859408
237	TS505	HANGAR - TELECOMMUNICATION SITE DETAILS	12859409
238	TS506	HANGAR - TELECOMMUNICATION SITE DETAILS	12859410
239	TS507	HANGAR - TELECOMMUNICATION SITE DETAILS	12859411
240	TS601	HANGAR - TELECOMMUNICATIONS OSP RISER DIAGRAM	12859412

SYM	DESCRIPTION	DATE	APPR
	MOD P00006 AND MOD P00007	10/2025	
	MOD P00005	05/2023	

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 23067 ANNA LEE BAMFORTH 01/13/23

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 11/21/2025

ACTIVITY

Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email.

SATISFACTORY TO DATE 12/15/2022

DES CAB DRW CAD CHK ALB

PM/DM KTB/RLH

BRANCH MANAGER JED

CHIEF ENG/ARCH EJA

FIRE PROTECTION DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
DC CORE
MCAS BEAUFORT BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 1 (BASE BID WITH OPTIONS)
DRAWING SHEET INDEX – VOLUME 1

SCALE: NONE

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12859174

SHEET 2 OF 1412

GI002

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BJWSA 10-02-25\BLDG-P475-1363603-GI002 VOL 1.dwg LAYOUT NAME: INDEX VOL1 PLOTTED: Thursday, November 06, 2025 - 2:03pm USER: mtw

GENERAL NOTES:

AS USED HEREIN, "CONTROLLED AIRFIELD PAVEMENT" REFERS TO AIRFIELD PAVEMENT NOT ENCLOSED BY PROJECT JERSEY BARRIERS.

1. ALL CONSTRUCTION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION SECURITY PLAN IN EFFECT AT THE TIME OF CONSTRUCTION.

2. THE CONTRACTOR MUST REPAIR OR REPLACE IN KIND EXISTING FEATURES NOT SCHEDULED FOR DEMOLITION THAT ARE DAMAGED OR DESTROYED DURING CONSTRUCTION.

3. THE CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS THAT COULD AFFECT THE WORK PRIOR TO BEGINNING CONSTRUCTION. NOTIFY CONTRACTING OFFICER OF ANY DIFFERING CONDITIONS.

4. THE CONTRACTOR MUST CONFINE OPERATIONS TO THE LIMITS OF DISTURBANCE INDICATED. SUBSURFACE UTILITIES NOT DESIGNATED FOR DEMOLITION OR MODIFICATION MUST NOT BE DISTURBED.

5. THE AIRFIELD MUST REMAIN IN OPERATION DURING THE ENTIRE CONSTRUCTION PERIOD. THE WORK MUST PERFORMED IN SEQUENCED PHASES. REFER TO PLANS AND SPECIFICATIONS SECTION "WORK RESTRICTIONS" FOR REQUIREMENTS. ALL CONTRACTOR OPERATION IN THE WORK AREAS ON CONTROLLED AIRFIELD PAVEMENT MUST BE COORDINATED WITH AIR OPERATIONS AND THE CONTRACTING OFFICER. AS USED HEREIN, "CONTROLLED AIRFIELD PAVEMENT" REFERS TO AIRFIELD PAVEMENT NOT ENCLOSED BY PROJECT JERSEY BARRIERS/ FENCE. THE WORK MUST BE PERFORMED AT SUCH TIMES AND IN SUCH MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH AIRFIELD OPERATIONS. A MINIMUM OF 15 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING THE CONTRACTOR MUST SUBMIT, IN WRITING, THE PROPOSED CONSTRUCTION SCHEDULE FOR REVIEW AND APPROVAL BY THE CONTRACTING OFFICER.

   A. THE SCHEDULE MUST INCLUDE:
      - LISTS AND TYPE OF EQUIPMENT
      - DATE CONSTRUCTION WILL COMMENCE
      - ESTIMATED DATE AND NUMBER OF DAYS TO COMPLETE EACH MAJOR ITEM IN EACH WORK AREA INCLUDING THE EXPECTED DATE TO COMPLETE THE FINAL AREA.

   B. THE CONTRACTOR'S CONSTRUCTION SCHEDULE MUST BE PREPARED CONSIDERING THE VARIOUS CONDITIONS OUTLINED HEREIN AND IN THE PROJECT SPECIFICATIONS, BUT IT WILL BE SUBJECT TO MODIFICATIONS DURING CONSTRUCTION IF NECESSARY TO KEEP INTERFERENCE WITH AIRFIELD OPERATIONS TO THE MINIMUM POSSIBLE. A THIRTY (30) DAY NOTICE MUST BE GIVEN PRIOR TO ACTUAL START DATE OF CONSTRUCTION TO MARINE CORPS AIR STATION (MCAS) CONTRACTING OFFICER IN ORDER TO COORDINATE THE REMOVAL OR MOVEMENT OF GOVERNMENT EQUIPMENT FROM WORK AREAS.

6. FUELING AND MAINTENANCE WORK MUST NOT BE ALLOWED ON PAVEMENTS AND MUST BE PERFORMED ON A TEMPORARY PRE-PAVED SURFACE APPROVED BY THE MCAS. ALL SURFACES USED FOR FUELING AND MAINTENANCE MUST BE KEPT FREE OF FUELS, OILS AND GREASES AND MUST BE CLEANED TO THE APPROVAL OF THE CONTRACTING OFFICER UPON COMPLETION OF WORK.

7. ALL CONSTRUCTION VEHICLES WORKING ON CONTROLLED AIRFIELD PAVEMENT MUST BE CLEARED FOR AIRFIELD ACCESS BY THE CONTRACTING OFFICER. PERSONAL VEHICLES MUST BE PARKED IN THE CONTRACTOR'S LAYDOWN AREA. ALL VEHICLES OPERATING ON CONTROLLED AIRFIELD PAVEMENT MUST BE LIGHTED AT THEIR HIGHEST POINT WITH AN AMBER, FLASHING DOME LIGHT (DAY OR NIGHT TIME USE) AND A MINIMUM 3' X 3' ORANGE AND WHITE CHECKERED FLAG (DAY TIME USE) IN ACCORDANCE WITH FAA AC 150/5370-2G, AND DISPLAY THE COMPANY NAME.

8. THE CONTRACTOR MUST AT ALL TIMES DURING CONSTRUCTION OPERATIONS ON AIRFIELD PAVEMENT MAINTAIN RADIO COMMUNICATION WITH THE AIRFIELD CONTROL TOWER AND HAVE A MOBILE TELEPHONE AVAILABLE AT THE WORK SITE. ALL VEHICLES AND EQUIPMENT ENTERING AND EXITING THE AIRFIELD PAVEMENT AREAS MUST HAVE A VISIBLE CONTRACTOR REPRESENTATIVE.

9. HAUL ROUTES, INCLUDING PAVEMENT WHERE THE CONTRACTOR'S EQUIPMENT AND OPERATIONS ARE PERMITTED, MUST BE KEPT CLEAN AT ALL TIMES FROM DIRT GRAVEL, AGGREGATES, AND OTHER MATERIALS DEEMED BY THE CONTRACTING OFFICER TO BE DETRIMENTAL TO AIRCRAFT. PRECAUTIONS MUST BE TAKEN TO ELIMINATE SPILLAGE OF MATERIALS OR MOVEMENT OF MATERIALS BY WIND AND RAIN SPRAY FROM DEMOLITION WORK AND/OR OTHER ACTIVITIES THAT WILL LEAVE LOOSE MATERIAL ON PAVEMENTS. LOOSE MATERIAL MUST BE PICKED UP IMMEDIATELY, STORED SECURELY, AND COMPLETELY REMOVED AT THE END OF EACH WORK SHIFT.

10. THE CONTRACTOR AND CONTRACTOR PERSONNEL MUST BECOME FAMILIAR WITH AND OBEY ALL AIR STATION REGULATIONS. KEEP WITHIN THE LIMITS OF THE WORK AREA AND AVENUES OF INGRESS AND EGRESS AS DIRECTED. DO NOT ENTER RESTRICTED AREAS UNLESS REQUIRED TO DO SO AND NOT UNTIL CLEARED FOR SUCH ENTRY. THE CONTRACTOR'S VEHICLES AND EQUIPMENT MUST BE CONSPICUOUSLY MARKED FOR IDENTIFICATION.

11. PHOTOGRAPHY, I.E. CELL PHONE CAMERAS, VIDEOS, ARE STRICTLY PROHIBITED WITHOUT ADVANCED PERMISSION FROM AIR OPERATIONS OR THE CONTRACTING OFFICER.

12. NO CELL PHONES OR BASE PORTABLE RADIOS MAY BE USED WITHIN 100' OF SUSPECTED ORDNANCE OPERATIONS. THE CONTRACTOR MUST BE RESPONSIBLE FOR DISCUSSING THE ISSUE WITH THE CONTRACTING OFFICER AT THE BEGINNING OF WORK IN EACH WORK AREA.

13. PRIOR TO THE START OF WORK, THE CONTRACTOR TEAM MUST ATTEND AN AIRFIELD SAFETY BRIEFING GIVEN BY AIRFIELD OPERATIONS. ALL DRIVERS MUST SUCCESSFULLY COMPLETE THE AIRFIELD DRIVING TRAINING COURSE. CONTRACTOR MUST PROVIDE ENOUGH AIRFIELD CERTIFIED DRIVERS TO SUPPORT ALL CONSTRUCTION ACTIVITIES.

14. AIRCRAFT OPERATIONS HAVE THE RIGHT OF WAY AT ALL TIMES.

15. FOR WORK ON THE CONTROLLED AIRFIELD PAVEMENT, THE CONTRACTOR MUST HAVE ON SITE AT ALL TIMES, A MINIMUM OF ONE PERSON TRAINED AND CERTIFIED BY AIR OPERATIONS, CAPABLE OF OPERATING A RADIO AND CAPABLE OF FLUENTLY SPEAKING AND COMPREHENDING THE ENGLISH LANGUAGE TO COMMUNICATE WITH THE AIR TRAFFIC CONTROL TOWER. THIS PERSON MUST CONTINUALLY MONITOR THE RADIO FOR NOTIFICATION OF AIRCRAFT EMERGENCIES OR OTHER EVENTS THAT MAY REQUIRE THE CONTRACTOR TO TEMPORARILY STOP WORK. REFER TO SPECIFICATIONS SECTION 01 14 00 "WORK RESTRICTIONS" FOR ADDITIONAL REQUIREMENTS FOR THE RADIOS PROVIDED BY THE CONTRACTOR.

16. NO EQUIPMENT IS PERMITTED TO REMAIN OVERNIGHT ON ANY CONTROLLED AIRFIELD PAVEMENT. EQUIPMENT MUST BE STORED IN STAGING AREA DURING NON WORK PERIODS.

17. CONTRACTOR MAY BE REQUIRED TO STOP WORK. REMOVE EQUIPMENT AND CLEAR AREA FOR SHORT PERIODS OF TIME, IN CASE OF AN EMERGENCY OR UNDER SPECIAL CONDITIONS REQUIRED FOR SAFETY OR SPECIAL ACTIVITIES.

18. CONTRACTOR MUST PERFORM FOREIGN OBJECT AND DEBRIS (FOD) CHECKS OF ALL VEHICLES AND EQUIPMENT PRIOR TO ACCESSING CONTROLLED AIRFIELD PAVEMENT.

19. THE CONTRACTOR MUST NOT ENTER TAXIWAY AREAS.

20. THE CONTRACTOR MUST PREPARE FAA FORM 7460 NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION FOR THE USE OF CONSTRUCTION EQUIPMENT, SUCH AS CRANES ON THE AIRFIELD AT LEAST 60 DAYS PRIOR TO THE START OF THE EQUIPMENT ACTIVITY. THE DRAFT FAA FORM 7460 NOTICE MUST BE SUBMITTED TO THE CONTRACTING OFFICER FOR NAVFAC AND AIR OPERATIONS REVIEW AND APPROVAL PRIOR TO SUBMISSION TO THE FAA.

21. ENGINEERING FIELD INVESTIGATIONS FOR EACH DISCIPLINE WERE COMPLETED IN SEPTEMBER 2020 WITH TELECOM FIELD INVESTIGATION COMPLETED IN SEPTEMBER 2021.

ASBESTOS NOTES:

1. THE CONTRACTOR MUST COMPLETE AN ASBESTOS AWARENESS TRAINING COURSE PRIOR TO WORK IN ANY MANHOLES, HANDHOLES, OR VAULTS. COORDINATE WITH THE MCAS BEAUFORT ASBESTOS PROGRAM MANAGER AND THE CONTRACTING OFFICER FOR THE PREREQUISITE TRAINING REQUIREMENTS.

2. AT LEAST ONE MEMBER OF THE CONTRACTOR'S TEAM WHO HAS SUCCESSFULLY COMPLETED THE REQUIRED ASBESTOS TRAINING MUST BE PRESENT AT THE JOB-SITE AT ALL TIMES DURING CONSTRUCTION WHEN NEW CABLES ARE BEING INSTALLED THROUGH EXISTING CONDUITS, DUCTBANKS, MANHOLES, HANDHOLES, OR VAULTS.

3. ASBESTOS CONTAINING CEMENT PIPING WILL BE ENCOUNTERED DURING EXCAVATION AND TRENCHING OPERATIONS. IF SUSPECT PIPING IS UNCOVERED, STOP WORK AND CALL THE FACILITY ENGINEER AND ACQUISITION DIVISION (FEAD), AND HAVE THE PIPING TESTED PRIOR TO REMOVAL AND DISPOSAL. THE SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES (SCDES) MUST BE NOTIFIED AND A PERMIT/LICENSE ISSUED PRIOR TO THE REMOVAL OF ANY ASBESTOS CONTAINING MATERIAL (ACM), FRIABLE OR NONFRIABLE, BY A SCDES ASBESTOS LICENSED CONTRACTOR. ALL NON-FRIABLE ASBESTOS THAT BECOMES FRIABLE DURING THE CUTTING AND REMOVAL OF ACM WILL BE TREATED AS REGULATED ACM. WET METHODS MUST BE USED WHEN CUTTING OR DRILLING THROUGH ACM. NO RELEASE OF VISIBLE EMISSIONS DURING PREPARATION, REMOVAL, OR CLEANUP OF ACM IS ALLOWED. THE APPROPRIATE SAMPLING OF SUSPECTED ASBESTOS CONTAINING UTILITY THAT WORKERS WILL ENCOUNTER DURING THIS PROJECT MUST BE CONDUCTED PRIOR TO CONSTRUCTION AND INCORPORATED INTO THE CONSTRUCTION HEALTH AND SAFETY PLAN AND ENVIRONMENTAL PROTECTION PLANS. ALL ACM WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE SCDES REQUIREMENTS AND COORDINATED WITH THE MCAS BEAUFORT NREAO ASBESTOS PROGRAM MANAGER PRIOR TO TRANSFER OFFSITE.

APPR	DATE	DESCRIPTION	SYM
	10/2025	MOD P00006 AND MOD P00007	
	05/2023	MOD P00005	

NAVFAC

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23067 01/13/23 BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email.
SATISFACTORY TO DATE 12/15/2022

DES	CAB	DRW	CAD	CHK	ALB
PM/DM					KTB/RLH
BRANCH MANAGER					JED
CHIEF ENG/ARCH					EJA
FIRE PROTECTION					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NORFOLK, VA
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 1 (BASE BID WITH OPTIONS)
NOTES

SCALE: NONE
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12859175
SHEET 3 OF 1412
GI003
DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\200211\BJMSA 10-02-25\BLDG-P475--1363603-GI003 VOL 1.dwg LAYOUT NAME: GI003 PLOTTED: Thursday, November 06, 2025 - 2:03pm USER: mlw