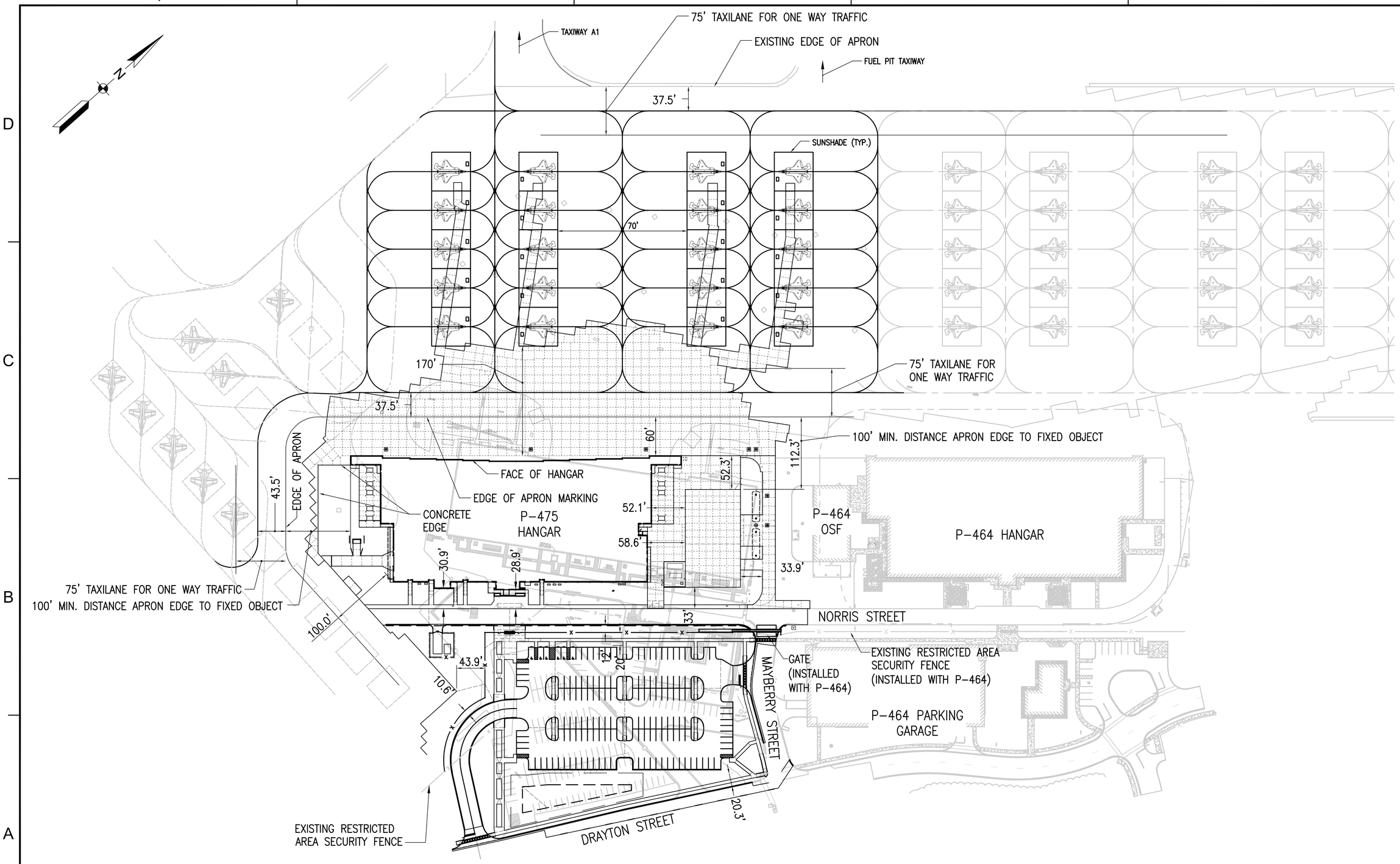


NOTE:

1. DIMENSIONS SHOWN ARE ONLY TO PRESENT DESIGN FEATURES RELATIONSHIP AND REFLECT DESIGN CRITERIA (UNIFIED FACILITIES CRITERIA) BEING SATISFIED, UNLESS NOTED OTHERWISE. SEE CS SHEETS FOR LAYOUT AND DIMENSIONS.

OVERALL SITE PLAN

NOT TO SCALE

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

NAVFAC

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

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 11/21/2022

ACTIVITY

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

SATISFACTORY TO DATE 12/15/2022

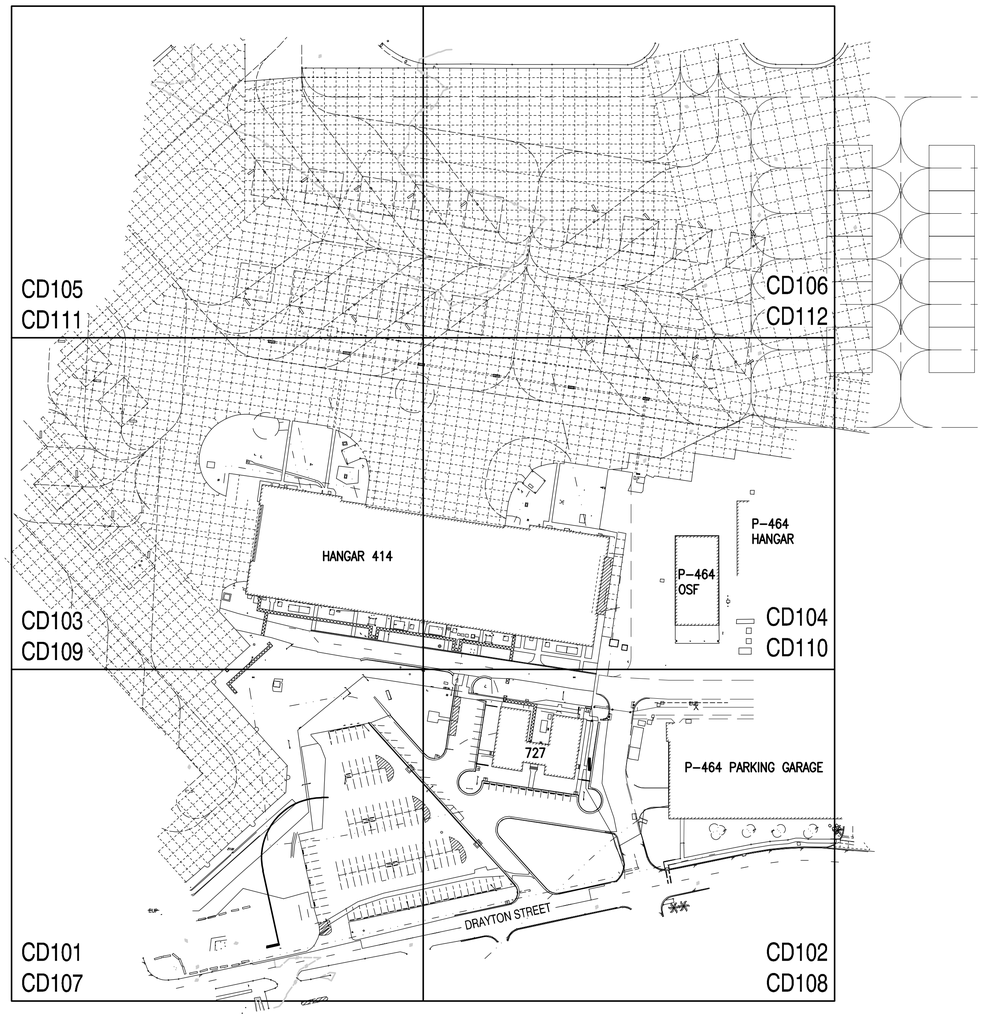
DES	CAB	DRW CAD	CHK ALB
PM/DM	KTB/RLH		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	EJA		
FIRE PROTECTION	DSN		

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 6
SITE BASE BID AND ADDITIONAL OPTIONS
OVERALL SITE PLAN

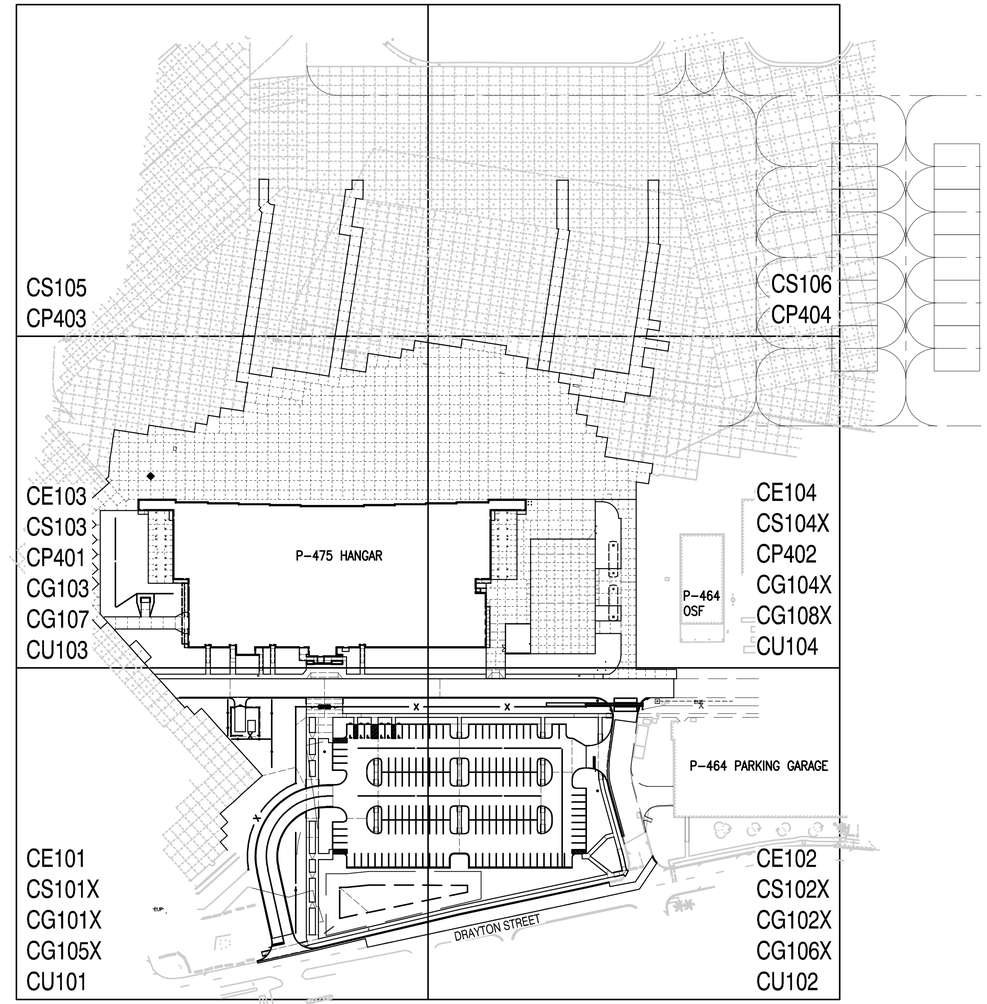
SCALE: NONE
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871422
SHEET 1327 OF 1412
C-005X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\2022\1\BJWSA 10-02-25\BLDG-P475-1363603-C-005X - Volume 6.dwg LAYOUT NAME: C-005X PLOTTED: Monday, November 10, 2025 - 1:28pm USER: mlw



SITE & CIVIL UTILITY DEMOLITION KEY PLAN



SITE IMPROVEMENTS KEY PLAN

NOTE:

1. REFER TO CV001 FOR EXISTING CONDITIONS KEY PLAN.

GRAPHIC SCALE

1" = 100' 0 100' 200' 300' 400'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 15/01/2023

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 DLB

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 6
SITE BASE BID AND ADDITIONAL OPTIONS

KEY PLANS: DEMOLITION & SITE IMPROVEMENTS

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12871423

SHEET 1328 OF 1412

C-006X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-23\BLDG-P475-1363603-C-006X - Volume 6.dwg LAYOUT NAME: C-006X PLOTTED: Monday, November 10, 2025 - 1:28pm USER: mtw

SITE LAYOUT CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
PT1	230979.24	2084119.11
PT2	231256.36	2084365.79
PT3	231291.26	2084449.88
PT4	231190.69	2084562.85
PT5	230947.68	2084471.31
PT6	231163.55	2084663.46
PT7	231293.27	2084731.86
PT8	231312.68	2084715.67
PT9	231309.89	2084713.19
PT10	231279.05	2084642.89
PT11	231398.49	2084508.72
PT12	231354.38	2084558.28
PT13	231321.96	2084594.69
PT14	231308.61	2084609.69
PT15	231297.53	2084622.14
PT16	231250.54	2084652.32
PT17	230979.02	2084418.65
PT18	230952.13	2084394.72
PT19	230872.46	2084323.79
PT20	230931.03	2084409.40
PT21	230966.88	2084441.32
PT22	231214.63	2084661.86
PT23	231214.23	2084699.55
PT24	231207.40	2084705.37
PT25	231150.79	2084764.52
PT26	231120.71	2084823.49
PT27	231163.41	2084625.63
PT28	231160.75	2084628.62
PT29	231258.05	2084709.88
PT30	231255.39	2084712.87
PT31	231067.63	2084856.84
PT32	230892.58	2084757.36
PT33	230651.76	2084625.94
PT34	230723.01	2084643.08
PT35	230734.96	2084653.72
PT36	230825.42	2084528.03
PT37	230837.38	2084538.67
PT38	230859.40	2084489.87
PT39	230871.35	2084500.51
PT40	231112.41	2084816.38

SITE LAYOUT CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
PT41	231090.97	2084857.53
PT42	231078.72	2084850.56
PT43	231073.04	2084847.33
PT44	231067.17	2084815.28
PT45	231151.90	2084749.79
PT46	231147.77	2084746.96
PT47	231190.80	2084704.92
PT48	231187.06	2084701.59
PT49	231209.36	2084691.97
PT50	231212.68	2084688.24
PT51	230718.17	2084650.50
PT52	230715.79	2084654.90
PT53	230663.88	2084621.15
PT54	230661.50	2084625.55
PT55	230698.50	2084623.36
PT56	230742.53	2084544.61
PT57	230856.28	2084517.43
PT58	230795.97	2084600.22
PT59	230816.21	2084618.24
PT60	230741.84	2084661.03
PT61	230926.77	2084761.03
PT62	230950.80	2084734.03
PT63	230840.08	2084635.47
PT64	230845.54	2084484.38
PT65	230912.59	2084409.05
PT66	230723.26	2084527.95
PT67	230802.32	2084532.93
PT68	230714.08	2084632.06
PT69	230900.36	2084064.85
PT70	230813.57	2084203.41
PT71	230813.80	2084233.41
PT72	230948.28	2084383.25
PT73	230955.63	2084381.76
PT74	230991.23	2084421.49
PT75	230956.64	2084366.64
PT76	231006.50	2084404.33
PT77	230860.39	2084177.98
PT78	230847.75	2084192.17
PT79	230803.39	2084152.68
PT80	230803.55	2084174.47

SITE LAYOUT CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
PT81	231145.52	2084724.07
PT82	231164.80	2084702.41
PT83	231142.66	2084721.52
PT84	230797.45	2084625.64
PT85	230770.41	2084656.01
PT86	230828.11	2084648.92
PT87	230951.64	2084114.28
PT88	230925.38	2084735.51
PT89	230919.40	2084742.23
PT90	230853.05	2084355.38
PT91	230830.77	2084380.40
PT92	230921.56	2084472.82
PT93	230893.97	2084503.82
PT94	230848.09	2084555.36
PT95	230820.50	2084586.36
PT96	230822.02	2084612.48
PT97	231043.85	2084809.95
PT98	231069.97	2084808.44
PT99	231127.16	2084744.20
PT100	231163.35	2084700.13
PT101	231158.68	2084684.87
PT102	231157.22	2084682.60
PT103	231354.99	2084506.62
PT104	231254.43	2084619.59

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 ANDREW B. BAMFORTH

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	DLB		
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 6
SITE BASE BID AND ADDITIONAL OPTIONS

SITE LAYOUT CONTROL POINTS

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

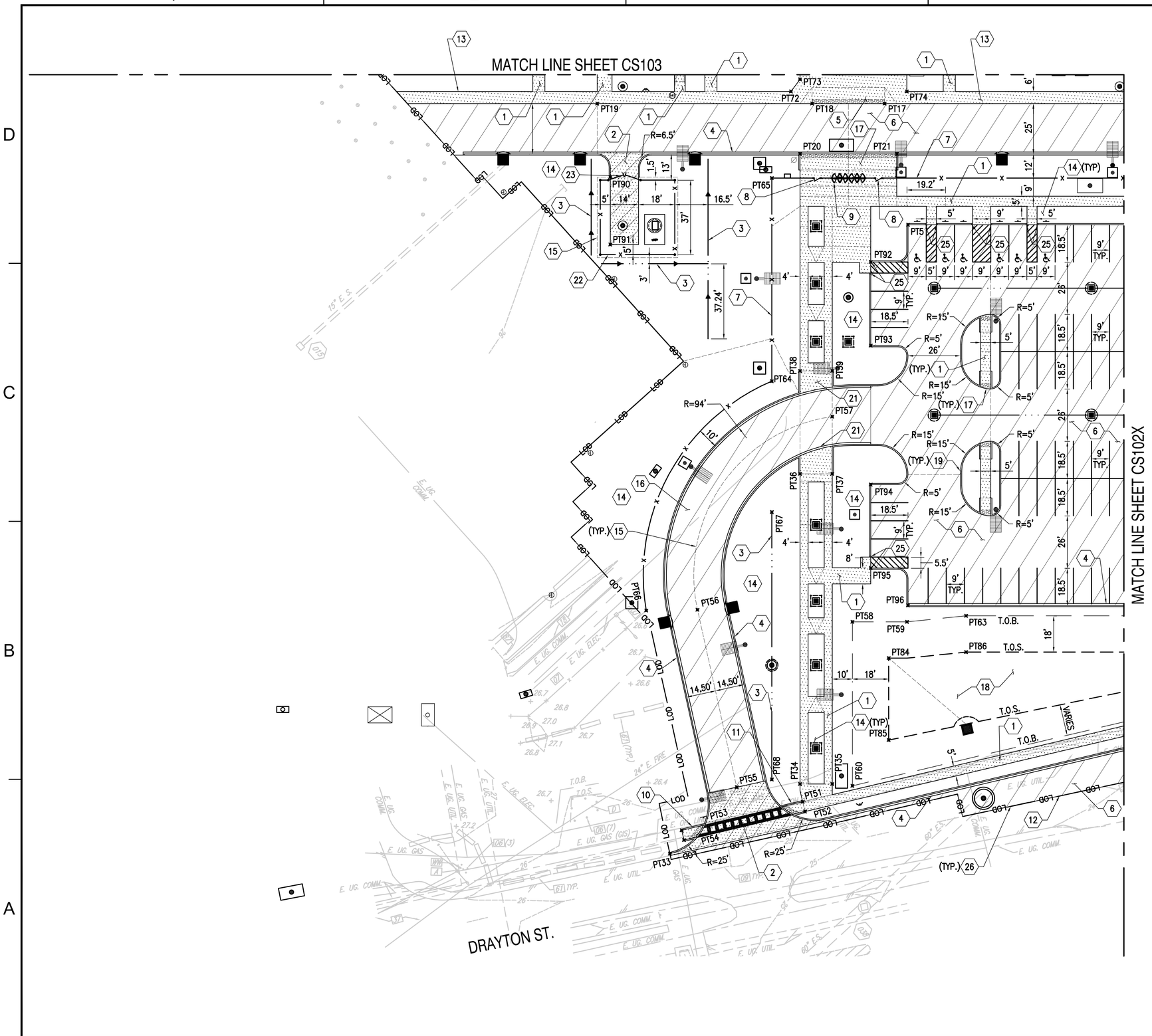
NAVFAC DRAWING NO.
12871424

SHEET 1329 OF 1412

CS001X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BJWSA 10-02-25\BLDG-P475-1363603-CS001X - Volume 6.dwg LAYOUT NAME: CS001X PLOTTED: Monday, November 10, 2025 - 1:28pm USER: mtw

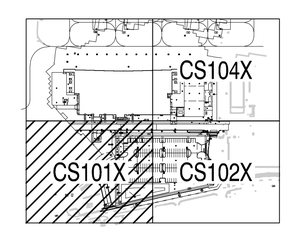


SITE IMPROVEMENT NOTES (THIS SHEET ONLY)

1. CONCRETE SIDEWALK (REFER TO DETAIL CS504/B4)
2. CONCRETE ENTRANCE (REFER TO DETAIL CS503/C4)
3. SWALE (REFER TO DETAIL CG505/A5)
4. CONCRETE CURB AND GUTTER (REFER TO DETAIL CS504/C1)
5. CONCRETE RAMP (TYPE 1) (REFER TO DETAIL CS505/C1)
6. BITUMINOUS PAVEMENT (REFER TO DETAIL CS501/A4)
7. RESTRICTED AREA SECURITY FENCE (REFER TO DETAIL CS506/C1)
8. SINGLE LEAF GATE (REFER TO DETAIL CS510/A1 & SHEET CS509)
9. DOUBLE TANDEM TURNSTILES (REFER TO DETAIL CS509/A2 & SHEET CS508)
10. CONCRETE RAMP (TYPE 2) (REFER TO DETAIL CS505/A1)
11. CONCRETE RAMP (TYPE 3) (REFER TO DETAIL CS505/C4)
12. BITUMINOUS PAVEMENT INTERFACE (REFER TO DETAIL CS501/B1)
13. TURNDOWN EDGE SIDEWALK (REFER TO DETAIL CS504/A3)
14. LANDSCAPE AREA (REFER TO LANDSCAPE PLANS)
15. GRADE BREAK
16. ACCESS DRIVE PAVEMENT (REFER TO DETAIL CS501/C5)
17. CONCRETE RAMP (TYPE 4) (REFER TO DETAIL CS505/A4)
18. DRY DETENTION AREA (REFER TO CG SERIES SHEETS)
19. CONCRETE CURB (REFER TO DETAIL CS504/C3)
20. CONCRETE MEDIAN (REFER TO DETAILS CS504/A4 AND VOLUME 4, PAE401/A3)
21. CONCRETE RAMP (TYPE 6) (REFER TO DETAIL CS505/B1)
22. CHAIN LINK FENCE (REFER TO DETAIL CS506/C1, CS510/C1 & CU508/A1)
23. DOUBLE LEAF GATE (REFER TO DETAIL CS510/B3 & CU508/A1)
25. CURB WIPEDOWN (REFER TO DETAIL CS501/C2)
26. WHITE PAINT LINE MARKING. MATCH EXISTING PAVEMENT MARKING LAYOUT. ASSUME 4" THICKNESS (REFER TO DETAIL CP501/D3)

SHEET NOTES

1. REFER TO THE CG SHEETS FOR STORMWATER IMPROVEMENTS AND CU SHEETS FOR UTILITY IMPROVEMENTS.
2. REFER TO SHEET C-005X FOR THE OVERALL SITE PLAN.
3. REFER TO SHEET CS001X FOR SITE LAYOUT CONTROL POINTS (PT#).
4. REFER TO SHEET CP106X FOR THE PARKING LOT AND ROAD PAVEMENT MARKINGS.
5. PRIOR TO CONSTRUCTION OF THE CONCRETE SIDEWALKS AND ADJACENT SLABS A JOINT PLAN MUST BE SUBMITTED FOR APPROVAL.



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW L. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 15/01/2023

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	DLB
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 6
SITE BASE BID AND ADDITIONAL OPTIONS

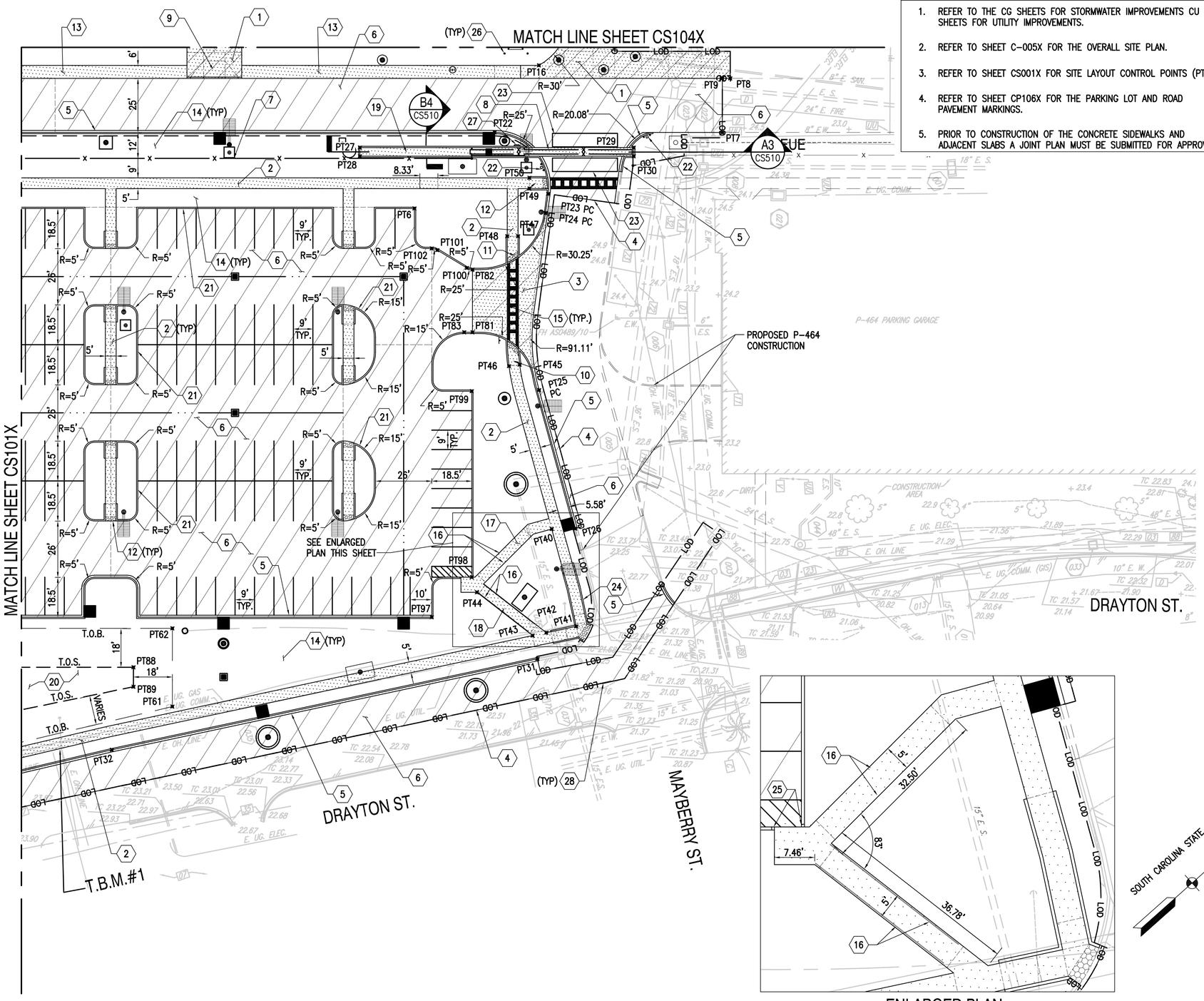
LAYOUT PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871425
SHEET 1330 OF 1412

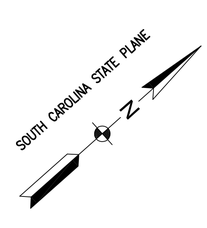
CS101X

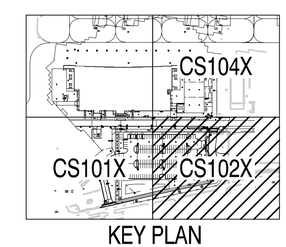
DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BJMSA 10-02-25\BLDG-P475-1363603-CS101X - Volume 6.dwg LAYOUT NAME: CS101X PLOTTED: Wednesday, November 12, 2025 - 2:51pm USER: mlw



ENLARGED PLAN
1" = 10'





KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

1" = 10' 0 10' 20' 30' 40'

SHEET NOTES

1. REFER TO THE CG SHEETS FOR STORMWATER IMPROVEMENTS CU SHEETS FOR UTILITY IMPROVEMENTS.
2. REFER TO SHEET C-005X FOR THE OVERALL SITE PLAN.
3. REFER TO SHEET CS001X FOR SITE LAYOUT CONTROL POINTS (PT#).
4. REFER TO SHEET CP106X FOR THE PARKING LOT AND ROAD PAVEMENT MARKINGS.
5. PRIOR TO CONSTRUCTION OF THE CONCRETE SIDEWALKS AND ADJACENT SLABS A JOINT PLAN MUST BE SUBMITTED FOR APPROVAL.

SITE IMPROVEMENT NOTES (THIS SHEET ONLY)

1. CONCRETE PAVEMENT (8-INCH THICK) (REFER TO DETAIL CS501/C1)
2. CONCRETE SIDEWALK (REFER TO DETAIL CS504/B4)
3. CONCRETE ENTRANCE (REFER TO DETAIL CS503/A4)
4. BITUMINOUS PAVEMENT INTERFACE (REFER TO DETAIL CS501/B1)
5. CONCRETE CURB AND GUTTER (REFER TO DETAIL CS504/C1)
6. BITUMINOUS PAVEMENT (REFER TO DETAIL CS501/A4)
7. RESTRICTED AREA SECURITY FENCE (REFER TO DETAIL CS506/C1)
8. SLIDING GATE (REFER TO DETAIL CS510/C4)
9. CONCRETE RAMP (TYPE 1) (REFER TO DETAIL CS505/C1)
10. CONCRETE RAMP (TYPE 2) (REFER TO DETAIL CS505/A1)
11. CONCRETE RAMP (TYPE 3) (REFER TO DETAIL CS505/C4)
12. CONCRETE RAMP (TYPE 4) (REFER TO DETAIL CS505/A4)
13. TURNDOWN EDGE SIDEWALK (REFER TO DETAIL CS504/A3)
14. LANDSCAPE AREA (REFER TO LANDSCAPE PLANS)
15. GRADE BREAK
16. HANDRAIL (REFER TO LANDSCAPE PLANS)
17. CONCRETE HANDICAP RAMP (REFER TO ARCHITECTURAL PLANS)
18. CONCRETE STEP OR STEPS (REFER TO ARCHITECTURAL PLANS)
19. CONCRETE CURBED GATE CHANNEL (REFER TO SHEET CS510/B4 FOR SECTION)
20. DRY DETENTION AREA (REFER TO CG SERIES SHEETS)
21. CONCRETE CURB (REFER TO DETAIL CS504/C3)
22. KEY PAD/ CARD READER (REFER TO DETAIL CS510/A5)
23. TRAFFIC DETECTOR LOOP (REFER TO DETAIL CS503/A1)
24. CONCRETE RAMP (TYPE 5) (REFER TO DETAIL CS505/B3)
25. CURB WIPEDOWN (REFER TO DETAIL CS501/C2)
26. BOLLARD (REFER TO DETAIL VOLUME 3, OAE561/C3)
27. GATE OPERATOR (REFER TO CS510/C4)
28. WHITE PAINT LINE MARKING. MATCH EXISTING PAVEMENT MARKING LAYOUT. ASSUME 4" THICKNESS (REFER TO DETAIL CP501/D3)

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW R. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED FOR COMMANDER NAVFAC 11/21/2022

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 DLB

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 6
SITE BASE BID AND ADDITIONAL OPTIONS

LAYOUT PLAN

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

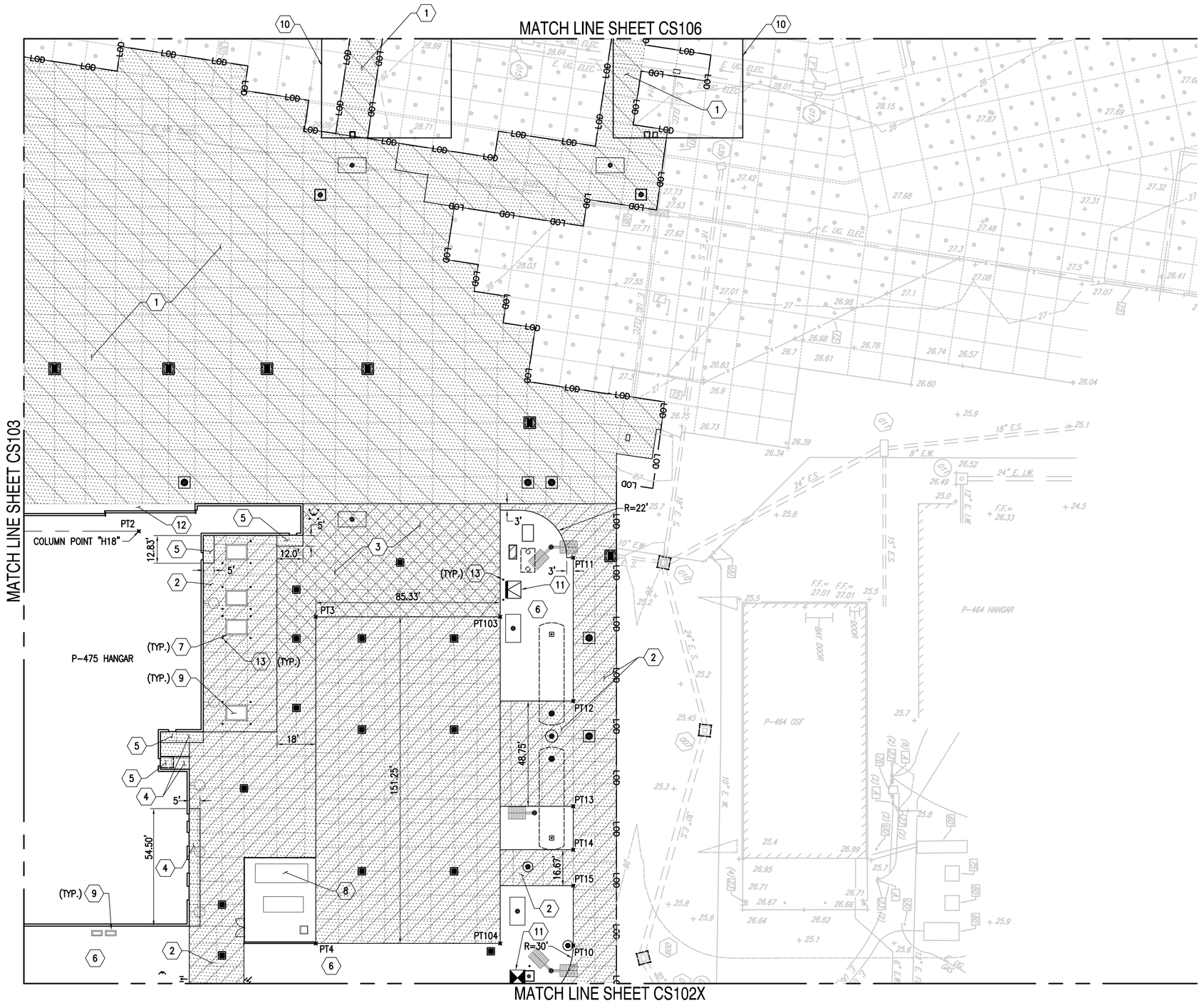
NAVFAC DRAWING NO. 12871426

SHEET 1331 OF 1412

CS102X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CS102X - Volume 6.dwg LAYOUT NAME: CS102X PLOTTED: Tuesday, November 11, 2025 - 3:46pm USER: mlw

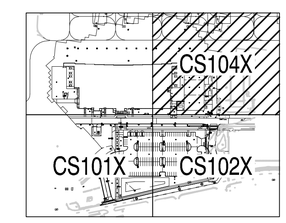


SITE IMPROVEMENT NOTES (THIS SHEET ONLY)

1. CONCRETE AIRFIELD PAVEMENT (REFER TO DETAIL CS501/C3 AND SHEET CS002)
2. CONCRETE PAVEMENT (8-INCH THICK) (REFER TO DETAIL CS501/C1)
3. CONCRETE PAVEMENT (9-INCH THICK) (REFER TO DETAIL CS501/C2)
4. TURNED DOWN EDGE CONCRETE SIDEWALK (REFER TO DETAIL CS504/B1)
5. CONCRETE STOOP (REFER TO DETAIL CS504/A1)
6. LANDSCAPE AREA (REFER TO LANDSCAPE PLANS)
7. HOUSEKEEPING PAD (REFER TO MECHANICAL PLANS)
8. MECHANICAL YARD (REFER TO MECHANICAL & STRUCTURAL PLANS)
9. MECHANICAL EQUIPMENT (REFER TO MECHANICAL PLANS)
10. SUN SHADE BOUNDARY
11. TRANSFORMER PAD (REFER TO ELECTRICAL PLANS)
12. REFER TO ARCHITECTURAL PLANS FOR DOOR RAILS
13. BOLLARD (REFER TO DETAIL VOLUME 3, OAE561/C3)

SHEET NOTES

1. REFER TO CS403X FOR ENLARGED JOINT PLAN.
2. REFER TO THE CG SHEETS FOR STORMWATER IMPROVEMENTS AND CU SHEETS FOR UTILITY IMPROVEMENTS.
3. REFER TO SHEET C-005X FOR THE OVERALL SITE PLAN.
4. REFER TO SHEETS CP401 THROUGH CP404 FOR PAVEMENT MARKINGS.
5. REFER TO SHEET CS001X FOR SITE LAYOUT CONTROL POINTS (PT#).



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANTHONY E. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED FOR COMMANDER NAVFAC 11/21/2022

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

SATISFACTORY TO DATE 12/15/2022

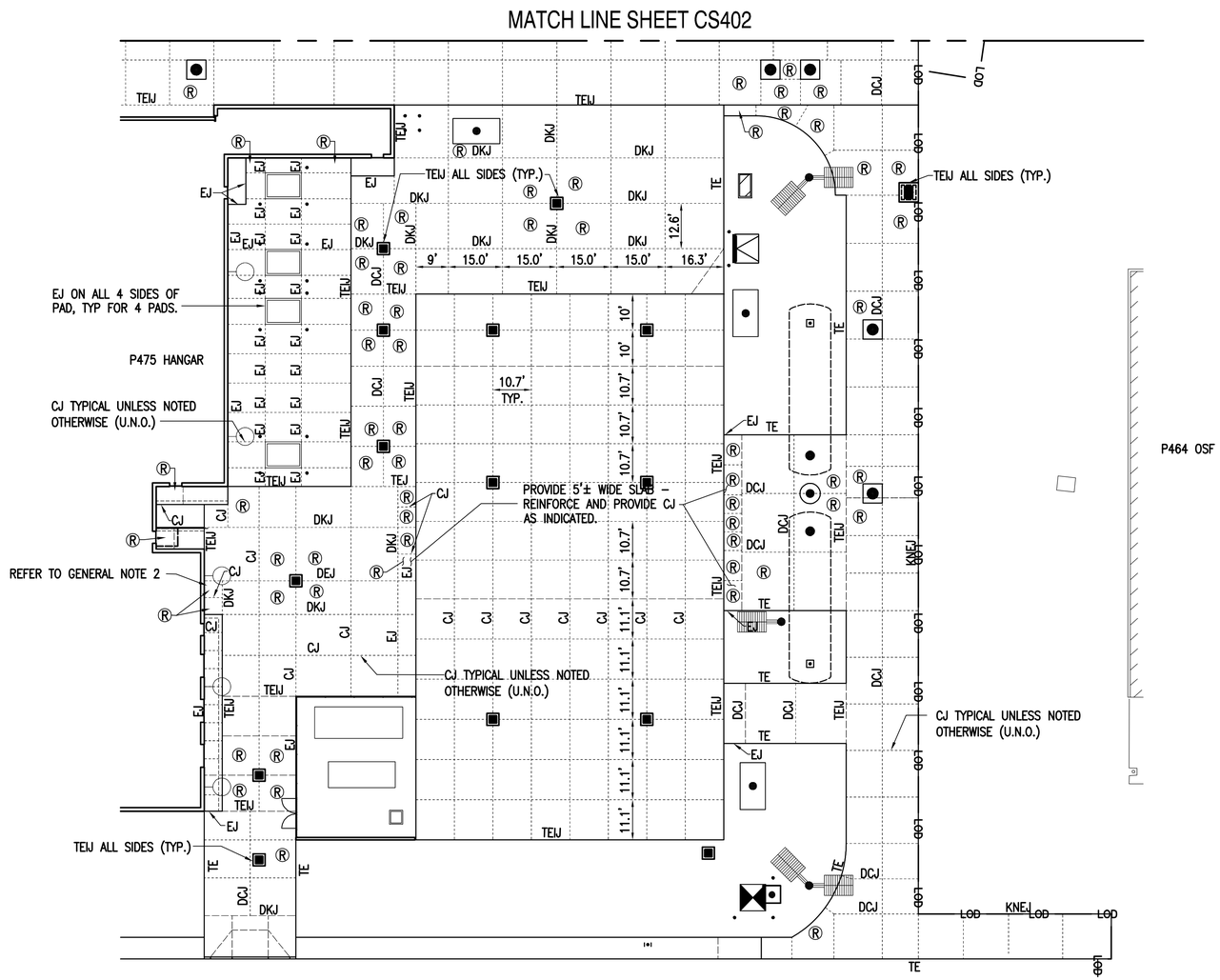
DES	CAB	DRW CAD	CHK ALB
PM/DM	KTB/RLH		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	EJA		
FIRE PROTECTION	DSN		

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 6
SITE BASE BID AND ADDITIONAL OPTIONS
LAYOUT PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871427
SHEET 1332 OF 1412
CS104X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CS104X - Volume 6.dwg LAYOUT NAME: CS104X PLOTTED: Monday, November 10, 2025 - 1:29pm USER: mtw



GENERAL NOTES: (THIS SHEET ONLY)

1. REFER TO PCC PAVEMENT NOTES SHEET CS502.

JOINT LEGEND (THIS SHEET ONLY)

TE = THICKENED EDGE PANEL (REFER TO SHEET CS502/D3)

TEIJ = THICKENED EDGE ISOLATION JOINT (REFER TO SHEET CS502/C3)

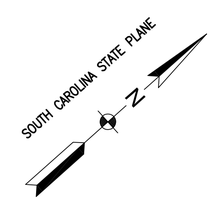
DKJ = DOWELED CONSTRUCTION JOINT (REFER TO SHEET CS502/B3)

CJ = CONTRACTION JOINT (REFER TO SHEET CS502/D1)

DCJ = DOWELED CONTRACTION JOINT (REFER TO SHEET CS502/C1)

Ⓡ = REINFORCED CONCRETE PAVEMENT (REFER TO PCC NOTES SHEET CS502)

KNEJ = CONSTRUCTION JOINT BETWEEN NEW AND EXISTING PCC PAVEMENT (REFER TO SHEET CS502/B1)



GRAPHIC SCALE

1" = 20' 0 20' 40' 60' 80'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 JAMES R. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 11/21/2022

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	DLB
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 6
SITE BASE BID AND ADDITIONAL OPTIONS

ENLARGED JOINTING PLAN – BASE BID

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871428
SHEET 1333 OF 1412

CS403X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\20021\BJMSA 10-02-25\BJDC-P475-1363603-CS403X - Volume 6.dwg LAYOUT NAME: CS403X PLOTTED: Monday, November 10, 2025 - 1:29pm USER: mfw

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
1	C.B. RIM = 26.00 INV. 15" (NE) = 21.35 INV. 15" (SE) = 21.35	N: 230862.48 E: 2084107.40
2	C.B. RIM = 25.50 INV. 15" (NW) = 21.19 INV. 15" (N) = 21.19 INV. 15" (E) = 21.19	N: 230821.35 E: 2084153.61
3	SCDOT TYPE 16 RIM = 25.84 INV. 15" (NW) = 20.89 INV. 15" (SW) = 20.89	N: 230849.49 E: 2084336.82
4	SCDOT TYPE 16 (NOTE 2) RIM = 25.66 INV. 15" (W) = 20.79 INV. 15" (NE) = 20.79	N: 230820.98 E: 2084311.44
5	SCDOT TYPE 16 RIM = 25.50 INV. 15" (NW) = 19.02 INV. 18" (NE) = 18.77	N: 230892.06 E: 2084374.71
6	SCDOT TYPE 16 RIM = 25.50 INV. 18" (SW) = 18.46 INV. 15" (NW) = 18.71 INV. 24" (NE) = 17.96	N: 231005.85 E: 2084476.01
7	C.B. RIM = 27.11 INV. 15" (SW) = 20.86	N: 231337.11 E: 2084457.05
8	C.B. RIM = 27.20 INV. 15" (NE) = 20.71 INV. 6" (W) = 23.85 INV. 15" (SE) = 20.71	N: 231292.90 E: 2084434.50
9	C.B. RIM = 27.18 INV. 15" (NW) = 20.64 INV. 15" (NE) = 20.64 INV. 15" (SE) = 20.64	N: 231277.88 E: 2084451.36
10	C.B. RIM = 27.16 INV. 15" (NW) = 20.55 INV. 6" (W) = 23.14 INV. 15" (S) = 20.55	N: 231256.47 E: 2084475.42
11	C.B. RIM = 26.98 INV. 15" (N) = 20.41 INV. 6" (W) = 23.66 INV. 15" (SE) = 20.41	N: 231213.58 E: 2084487.13
12	C.B. RIM = 27.16 INV. 15" (NW) = 20.25 INV. 18" (SE) = 20.00	N: 231170.16 E: 2084520.56
13	C.B. RIM = 26.93 INV. 18" (NW) = 19.93 INV. 6" (SW) = 21.20 INV. 18" (SE) = 19.93	N: 231154.54 E: 2084538.12
14	SCDOT TYPE 16 RIM = 25.50 INV. 18" (NW) = 19.77 INV. 24" (SW) = 17.66 INV. 30" (NE) = 17.46	N: 231119.65 E: 2084577.31
15	24" CATCH BASIN RIM = 24.78 INV. 12" (NW) = 21.75	N: 231206.65 E: 2084666.81
16	SCDOT TYPE 16 RIM = 25.64 INV. 30" (SW) = 16.96 INV. 15" (NW) = 21.76 INV. 12" (SE) = 21.55 INV. 30" (NE) = 16.96	N: 231212.64 E: 2084660.08

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
17	S. MH. RIM = 25.55 INV. 30" (SW) = 16.93 INV. 30" (SE) = 16.93	N: 231215.47 E: 2084667.87
18	S. MH (GRATE TOP) RIM = 25.18 INV. 30" (NW) = 16.46 INV. 30" (SE) = 16.46	N: 231136.34 E: 2084756.76
19	SCDOT TYPE 16 RIM = 23.75 INV. 15" (W) = 17.63	N: 231121.89 E: 2084821.10
20	S. MH. (108" DIA.) (NOTE 3) RIM = 24.87 INV. 30" (NW) = 16.29 INV. 15" (E) = 17.54 INV. 60" (SE) = 13.79	N: 231113.86 E: 2084789.95
21	S. MH. (108" DIA.) RIM = 22.25 INV. 60" (NW) = 13.54 INV. 60" (SW) = 13.54	N: 231036.70 E: 2084848.82
22	SCDOT TYPE 16 RIM = 22.93 INV. 15" (SE) = 17.08	N: 230954.94 E: 2084792.84
23	S. MH. (108" DIA.) RIM = 22.80 INV. 15" (NW) = 17.05 INV. 60" (NE) = 13.30 INV. 60" (SW) = 13.30	N: 230950.40 E: 2084801.07
24	HYDRODYNAMIC MANUFACTURED TREATMENT DEVICE (NOTE 5) RIM = 25.20 INV. 15" (NW) = 17.95 INV. 18" (SE) = 20.20	N: 230963.86 E: 2084755.03
25	C.B. RIM = 23.64 INV. 18" (NW) = 20.15 INV. 18" (SW) = 20.15	N: 230953.55 E: 2084766.61
26	F.E.S. INV. 18" (NE) = 20.00	N: 230922.39 E: 2084738.87
27	C.B. RIM = 26.02 INV. 15" (SE) = 20.31	N: 230913.12 E: 2084441.55
28	C.B. RIM = 25.72 INV. 15" (NW) = 20.22 INV. 15" (SE) = 20.22	N: 230894.24 E: 2084462.75
29	S. MH. (NOTE 6) RIM = 26.50 INV. 15" (NE) = 20.49 INV. 18" (SE) = 20.03	N: 230901.58 E: 2084478.58
30	C.B. RIM = 26.34 INV. 18" (NW) = 19.95 INV. 18" (SW) = 19.95	N: 230886.95 E: 2084495.02
31	C.B. RIM = 25.72 INV. 15" (NW) = 20.14 INV. 18" (NE) = 19.89 INV. 24" (SE) = 19.39	N: 230875.00 E: 2084484.38
32	C.B. RIM = 26.02 INV. 24" (NW) = 19.21 INV. 24" (SE) = 19.21	N: 230814.54 E: 2084552.29

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
33	C.B. RIM = 25.72 INV. 24" (NW) = 19.13 INV. 24" (SE) = 19.13	N: 230789.45 E: 2084580.48
34	SCDOT TYPE 16 RIM = 25.27 INV. 15" (NE) = 20.04	N: 230728.57 E: 2084539.87
35	SCDOT TYPE 16 RIM = 25.27 INV. 15" (SW) = 19.97 INV. 15" (E) = 19.97	N: 230753.89 E: 2084554.02
36	S. MH. (GRATE TOP) RIM = 24.90 INV. 15" (W) = 19.88 INV. 15" (NE) = 19.88	N: 230751.78 E: 2084589.70
37	C.B. RIM = 25.15 INV. 15" (NW) = 19.92	N: 230740.78 E: 2084635.15
38	C.B. RIM = 25.72 INV. 15" (SE) = 19.82 INV. 24" (NW) = 19.07 INV. 15" (SW) = 19.82 INV. 24" (NE) = 19.07	N: 230768.22 E: 2084604.33
39	F.E.S. RIM = 21.38 INV. 24" (SW) = 19.00	N: 230795.11 E: 2084628.27
40	OUTLET STRUCTURE RIM = 22.80 INV. 24" (SE) = 16.94	N: 230803.14 E: 2084677.84
41	S. MH. (108" DIA.) (NOTE 7) RIM = 24.30 INV. 60" (NE) = 12.83 INV. 24" (NW) = 16.83	N: 230786.34 E: 2084708.91
42	AIRFIELD CATCH BASIN RIM = 27.59 INV. 15" (NE) = 21.99	N: 231277.28 E: 2084283.67
43	AIRFIELD CATCH BASIN RIM = 27.61 INV. 15" (SW) = 21.86 INV. 15" (NE) = 21.86	N: 231316.66 E: 2084318.72
44	AIRFIELD CATCH BASIN RIM = 27.44 INV. 15" (SW) = 21.74 INV. 15" (NE) = 21.74	N: 231350.71 E: 2084349.03
45	AIRFIELD CATCH BASIN RIM = 27.36 INV. 15" (SW) = 21.51 INV. 15" (NE) = 21.51	N: 231385.56 E: 2084380.06
46	AIRFIELD CATCH BASIN RIM = 27.20 INV. 15" (SW) = 20.76 INV. 15" (E) = 20.76	N: 231424.96 E: 2084448.60
47	AIRFIELD CATCH BASIN (NOTE 8) RIM = 26.14 INV. 15" (W) = 20.06	N: 231412.00 E: 2084519.61
48	AIRFIELD CATCH BASIN RIM = 27.56 INV. 15" (SW) = 22.81	N: 231245.68 E: 2084255.54

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
49	AIRFIELD CATCH BASIN RIM = 27.53 INV. 15" (NE) = 22.70 INV. 15" (SW) = 22.70	N: 231214.08 E: 2084227.41
50	AIRFIELD CATCH BASIN RIM = 27.51 INV. 15" (NE) = 22.58 INV. 18" (SW) = 22.33	N: 231182.48 E: 2084199.28
51	AIRFIELD CATCH BASIN RIM = 27.48 INV. 18" (NE) = 22.20 INV. 24" (SW) = 21.70	N: 231150.87 E: 2084171.14
52	AIRFIELD CATCH BASIN RIM = 27.45 INV. 24" (NE) = 21.62 INV. 24" (SW) = 21.62	N: 231119.27 E: 2084143.01
53	AIRFIELD CATCH BASIN RIM = 27.42 INV. 24" (NE) = 21.53 INV. 30" (SW) = 21.03	N: 231087.67 E: 2084114.88
54	AIRFIELD CATCH BASIN RIM = 27.39 INV. 30" (NE) = 20.95 INV. 30" (SW) = 20.95	N: 231056.07 E: 2084086.75
55	AIRFIELD CATCH BASIN RIM = 27.36 INV. 30" (NE) = 20.87 INV. 30" (SW) = 20.87	N: 231027.23 E: 2084061.08
56	AIRFIELD CATCH BASIN RIM = 27.29 INV. 15" (SE) = 21.99	N: 230993.18 E: 2084030.77
57	AIRFIELD S. MH. (NOTE 9) RIM = 27.77 INV. 15" (NW) = 21.91	N: 230972.07 E: 2084054.47
58	SCDOT TYPE 16 RIM = 24.71	N: 231034.14 E: 2084801.31
59	C.B. RIM = 25.64 INV. 15" (SW) = 22.16	N: 231138.87 E: 2084683.67
60	C.B. RIM = 25.26 INV. 15" (NE) = 21.93 INV. 15" (SE) = 21.93	N: 231080.61 E: 2084631.81
61	C.B. RIM = 25.26 INV. 15" (NW) = 21.74 INV. 15" (SE) = 21.74	N: 231038.72 E: 2084678.86
62	SCDOT TYPE 16 RIM = 24.60 INV. 15" (NW) = 21.46	N: 230971.95 E: 2084745.94
63	SCDOT TYPE 16 RIM = 25.09 INV. 15" (W) = 21.34	N: 230925.37 E: 2084700.91
64	C.B. RIM = 25.26 INV. 15" (E) = 21.04 INV. 15" (NW) = 21.04	N: 230952.82 E: 2084602.40

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
65	C.B. RIM = 25.26 INV. 15" (SE) = 20.85 INV. 15" (SW) = 20.85	N: 230994.71 E: 2084555.34
66	C.B. RIM = 25.68 INV. 15" (NW) = 20.81	N: 230894.56 E: 2084550.54
67	C.B. RIM = 25.62 INV. 15" (NE) = 20.62 INV. 15" (SE) = 20.62 INV. 15" (SW) = 20.62	N: 230936.45 E: 2084503.48
68	C.B. RIM = 27.68 INV. 15" (NE) = 22.18	N: 231228.83 E: 2084552.10
69	C.B. RIM = 27.68 INV. 15" (SW) = 22.05 INV. 15" (E) = 22.05	N: 231260.69 E: 2084580.46
70	C.B. RIM = 27.36 INV. 15" (W) = 21.93 INV. 15" (SE) = 21.93	N: 231248.78 E: 2084619.48
71	C.B. RIM = 27.68 INV. 15" (SW) = 20.99	N: 231304.33 E: 2084531.45
72	C.B. RIM = 27.68 INV. 15" (NE) = 20.86 INV. 15" (NW) = 20.86	N: 231272.46 E: 2084503.08
73	C.B. RIM = 27.60 INV. 15" (SW) = 20.86	N: 231332.41 E: 2084499.90
74	C.B. RIM = 27.60 INV. 15" (SE) = 20.73 INV. 15" (NE) = 20.73 INV. 15" (SW) = 20.73	N: 231300.54 E: 2084471.53
EX22	E. C.B. (NOTE 4) RIM = 27.53 INV. 30" (NE) = 20.80	N: 231020.07 E: 2084048.63
RD1	PIPE CONNECTION INV. 6" (SE) = 22.88	N: 230954.12 E: 2084108.10
RD2	S. CO. INV. 6" (NW) = 22.42 INV. 6" (SW) = 22.42	N: 230924.93 E: 2084140.90
RD3	PIPE CONNECTION INV. 6" (SE) = 22.69	N: 230940.30 E: 2084095.80
RD4	C.B. RIM = 27.43 INV. 6" (NE) = 22.23 INV. 6" (NW) = 22.23 INV. 15" (SW) = 21.48	N: 230911.11 E: 2084128.60
RD5	PIPE CONNECTION INV. 6" (S) = 22.91	N: 230909.97 E: 2084188.51

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
RD6	PIPE CONNECTION INV. 3" (SW) = 23.32	N: 230910.89 E: 2084189.88
RD7	3" X 6" WYE INV. 6" (N) = 22.88 INV. 3" (NE) = 23.00 INV. 6" (S) = 22.88	N: 230909.35 E: 2084188.51
RD8	PIPE CONNECTION INV. 3" (SW) = 23.25	N: 230858.43 E: 2084249.27
RD9	3" X 6" C.O. INV. 3" (NE) = 23.09 INV. 6" (NW) = 22.84	N: 230847.12 E: 2084239.20
RD10	PIPE CONNECTION INV. 3" (SW) = 23.64	N: 230871.07 E: 2084235.08
RD11	3" X 6" WYE INV. 6" (SE) = 22.64 INV. 3" (NE) = 22.77 INV. 6" (NW) = 22.64	N: 230859.76 E: 2084225.01
RD12	PIPE CONNECTION INV. 3" (SW) = 23.19	N: 230890.63 E: 2084213.10
RD13	3" X 6" WYE INV. 6" (SE) = 22.34 INV. 3" (NE) = 22.47 INV. 6" (NW) = 22.34	N: 230879.32 E: 2084203.04
RD14	C.B. RIM = 26.85 INV. 6" (SE) = 22.15 INV. 6" (N) = 22.15 INV. 15" (SW) = 21.40	N: 230891.15 E: 2084189.75
RD15	C.B. RIM = 26.40 INV. 15" (NE) = 21.28 INV. 15" (S) = 21.28	N: 230855.42 E: 2084157.94
RD16	C.B. (NOTE 1) RIM = 27.37 INV. 15" (SE) = 21.04	N: 230885.62 E: 2084296.29
RD17	S. CO. INV. 6" (NE) = 24.10	N: 230902.11 E: 2084315.42
RD18	6" WYE INV. 6" (SW) = 23.58 INV. 6" (NE) = 23.58	N: 230911.44 E: 2084323.73
RD19	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 230927.56 E: 2084324.69
RD20	6" WYE INV. 6" (SW) = 23.05 INV. 6" (NW) = 23.05 INV. 6" (NE) = 23.05	N: 230920.91 E: 2084332.16
RD21	PIPE CONNECTION INV. 6" (S) = 24.31	N: 230967.89 E: 2084360.59

NOTES:

1. REFER TO SHEET CG002 FOR NOTES.

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

NAVFAC

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23067 01/13/23 JAMES E. BAMFORTH JR.
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	DLB
CHIEF ENG/ARCH	EJA
FIRE PROTECTION	DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

STORM SCHEDULE

SCALE: NONE
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871429
SHEET 1334 OF 1412

CG001X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\20021\BUMSA 10-02-25\BIDC-P475-1363603-CG001X - Volume 6.dwg LAYOUT NAME: CG001X PLOTTED: Monday, November 10, 2025 - 1:39pm USER: mrlw

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
RD22	PIPE CONNECTION INV. 6" (SE) = 24.17	N: 230962.66 E: 2084355.93
RD23	6" WYE INV. 6" (NW) = 24.10 INV. 6" (N) = 24.10 INV. 6" (S) = 24.10	N: 230958.00 E: 2084361.17
RD24	S. CO. INV. 6" (N) = 24.02 INV. 6" (SW) = 24.02	N: 230953.78 E: 2084361.41
RD25	PIPE CONNECTION INV. 6" (SE) = 23.66	N: 230951.72 E: 2084346.19
RD26	6" WYE INV. 6" (NE) = 23.55 INV. 6" (NW) = 23.55 INV. 6" (SW) = 23.55	N: 230945.07 E: 2084353.66
RD27	C.B. RIM = 27.15 INV. 6" (SW) = 22.77 INV. 6" (NE) = 22.53 INV. 15" (SE) = 19.15	N: 230925.94 E: 2084336.64
RD28	PIPE CONNECTION INV. 6" (E) = 25.26	N: 231009.85 E: 2084397.94
RD29	S. CO. INV. 6" (W) = 25.24 INV. 6" (NE) = 25.24	N: 231009.98 E: 2084400.06
RD30	PIPE CONNECTION INV. 6" (SE) = 25.13	N: 231015.23 E: 2084402.73
RD31	6" WYE INV. 6" (SW) = 25.11 INV. 6" (NW) = 25.11 INV. 6" (NE) = 25.11	N: 231014.23 E: 2084403.85
RD32	S. CO. INV. 6" (SW) = 24.42 INV. 6" (E) = 24.42	N: 231037.79 E: 2084424.82
RD33	PIPE CONNECTION INV. 6" (SE) = 24.38	N: 231040.62 E: 2084425.33
RD34	6" WYE INV. 6" (W) = 24.34 INV. 6" (NW) = 24.34 INV. 6" (E) = 24.34	N: 231037.99 E: 2084428.29
RD35	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 231095.90 E: 2084474.54
RD36	S. CO. INV. 6" (NW) = 23.88 INV. 6" (SW) = 23.88	N: 231088.92 E: 2084482.39
RD37	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 231082.08 E: 2084462.24

STORM STRUCTURE DATA

STRUCTURE NO.	STRUCTURE DETAILS	LOCATION
RD38	6" WYE INV. 6" (NE) = 23.11 INV. 6" (NW) = 23.11 INV. 6" (SW) = 23.11	N: 231075.10 E: 2084470.09
RD39	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 231068.26 E: 2084449.94
RD40	6" WYE INV. 6" (NE) = 22.34 INV. 6" (NW) = 22.34 INV. 6" (SW) = 22.34	N: 231061.28 E: 2084457.78
RD41	S. CO. INV. 6" (S) = 24.10	N: 231054.45 E: 2084437.64
RD42	C.B. RIM = 27.22 INV. 6" (NE) = 21.18 INV. 6" (N) = 23.82 INV. 6" (W) = 24.14 INV. 15" (SE) = 18.98	N: 231039.74 E: 2084437.94
RD49	S. CO. INV. 6" (E) = 24.10	N: 231292.23 E: 2084409.08
RD50	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 231278.41 E: 2084396.78
RD51	S. CO. INV. 6" (NW) = 23.56 INV. 6" (E) = 23.56	N: 231244.02 E: 2084435.42
RD52	S. CO. W/ 3" X 6" WYE INV. 6" (NE) = 24.21	N: 231199.68 E: 2084450.45
RD53	PIPE CONNECTION INV. 6" (E) = 24.19	N: 231203.32 E: 2084449.67
RD54	WYE INV. 6" (SW) = 24.14 INV. 6" (W) = 24.14 INV. 6" (NE) = 24.14	N: 231203.56 E: 2084453.90
RD55	S. CO. INV. 6" (SW) = 24.01 INV. 6" (E) = 24.01	N: 231210.84 E: 2084460.38
RD56	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 231109.72 E: 2084486.84
RD57	S. CO. INV. 6" (NW) = 23.92 INV. 6" (NE) = 23.92	N: 231104.07 E: 2084493.19
RD58	PIPE CONNECTION INV. 6" (SE) = 24.10	N: 231123.54 E: 2084499.14
RD59	6" WYE INV. 6" (SW) = 23.15 INV. 6" (NW) = 23.15 INV. 6" (NE) = 23.15	N: 231117.89 E: 2084505.49

STORM STRUCTURE DATA NOTES:

1. CONNECT 10" PIPE, INV. = 22.30
2. CONNECT TO EXISTING 15" PIPE, INV. = 20.79
3. CONNECT TO EXISTING 60" PIPE, INV. = 13.79±
4. CONNECT TO EXISTING STRUCTURE
   INV. 24" (NE) = 21.89
   INV. 6" (E) = 21.98
   INV. 36" (SE) = 20.30; UNDETERMINED
   INV. (SW) = 20.88; UNDETERMINED
   INV. 30" (NW) = 20.26; UNDETERMINED
5. CONNECT 12" PIPE, INV. = 23.10
6. CONNECT 16" PIPE, INV. = 23.10
7. CONNECT TO EXISTING 60" PIPE, INV. = 12.83
8. CONNECT TO EXISTING 15" PIPE, INV. = 20.05
9. CONNECT TO EXISTING 36" PIPE, INV. 20.16±

STORM STRUCTURE DETAIL NOTES:

CATCH BASIN (C.B.) – REFER TO DETAIL CG505/A1

SCDOT TYPE 16 – REFER TO DETAILS ON SHEETS CG501 – CG504

STORM (S.) MANHOLE (MH.) – REFER TO SHEETS CG508 – CG511

HYDRODYNAMIC MANUFACTURED TREATMENT DEVICE – REFER TO CG507/A1

OUTLET STRUCTURE – REFER TO CG507/A4

AIRFIELD CATCH BASIN – REFER TO DETAIL CG506/A1

FLARED END SECTION (F.E.S.) – REFER TO DETAIL CG505/A3

STORM (S.) CLEANOUT (CO.) – REFER TO DETAIL CG505/B5

REFER TO SHEET CG513 FOR ROOF DRAIN (RD) PIPE CONNECTIONS

REFER TO SHEET LP401 FOR SUBDRAINAGE CONNECTIONS.

STORM PIPE DATA

PIPE CONNECTION	PIPE DETAILS	
– 24	12' – 15" S. @ 8.00%	CLASS III
1 – 2	62' – 15" S. @ 0.25%	
2 – 4	158' – 15" S. @ 0.25%	
3 – 4	38' – 15" S. @ 0.25%	CLASS III
5 – 6	152' – 18" S. @ 0.20%	CLASS III
6 – 14	152' – 24" S. @ 0.20%	CLASS III
7 – 8	50' – 15" S. @ 0.30%	
8 – 9	23' – 15" S. @ 0.30%	
9 – 10	32' – 15" S. @ 0.30%	
10 – 11	44' – 15" S. @ 0.30%	
11 – 12	55' – 15" S. @ 0.30%	
12 – 13	24' – 18" S. @ 0.30%	
13 – 14	54' – 18" S. @ 0.30%	
14 – 16	124' – 30" S. @ 0.40%	CLASS III
15 – 16	6' – 12" S. @ 3.19%	
16 – 17	7' – 30" S. @ 0.40%	CLASS III
17 – 18	119' – 30" S. @ 0.40%	
18 – 20	40' – 30" S. @ 0.40%	
19 – 20	30' – 15" S. @ 0.30%	
20 – 21	97' – 60" S. @ 0.25%	
21 – 23	99' – 60" S. @ 0.25%	
22 – 23	9' – 15" S. @ 0.30%	CLASS III
23 – 41	188' – 60" S. @ 0.25%	CLASS III
24 – 25	15' – 18" S. @ 0.35%	CLASS III
25 – 26	42' – 18" S. @ 0.35%	CLASS III
27 – 28	28' – 15" S. @ 0.30%	CLASS III
28 – 31	29' – 15" S. @ 0.30%	CLASS III
29 – 30	22' – 18" S. @ 0.35%	
30 – 31	16' – 18" S. @ 0.35%	CLASS III
31 – 32	91' – 24" S. @ 0.20%	CLASS III
32 – 33	38' – 24" S. @ 0.20%	
33 – 38	32' – 24" S. @ 0.20%	CLASS III
34 – 35	29' – 15" S. @ 0.25%	CLASS III
35 – 36	35' – 15" S. @ 0.25%	CLASS III
36 – 38	22' – 15" S. @ 0.25%	CLASS III
37 – 38	41' – 15" S. @ 0.25%	CLASS III
38 – 39	36' – 24" S. @ 0.20%	CLASS III
40 – 41	35' – 24" S. @ 0.30%	
42 – 43	53' – 15" S. @ 0.25%	
43 – 44	46' – 15" S. @ 0.25%	
44 – 45	47' – 15" S. @ 0.50%	
45 – 46	76' – 15" S. @ 1.00%	
46 – 47	69' – 15" S. @ 1.00%	
48 – 49	42' – 15" S. @ 0.25%	
49 – 50	42' – 15" S. @ 0.30%	

STORM PIPE DATA

PIPE CONNECTION	PIPE DETAILS	
50 – 51	42' – 18" S. @ 0.30%	
51 – 52	42' – 24" S. @ 0.20%	
52 – 53	42' – 24" S. @ 0.20%	
53 – 54	42' – 30" S. @ 0.20%	
54 – 55	39' – 30" S. @ 0.20%	
55 – EX22	14' – 30" S. @ 0.50%	
56 – 57	31' – 15" S. @ 0.25%	
59 – 60	78' – 15" S. @ 0.30%	
60 – 61	63' – 15" S. @ 0.30%	
61 – 62	95' – 15" S. @ 0.30%	CLASS III
63 – 64	100' – 15" S. @ 0.30%	
64 – 65	63' – 15" S. @ 0.30%	
65 – 67	78' – 15" S. @ 0.30%	
66 – 67	63' – 15" S. @ 0.30%	
67 – 29	43' – 15" S. @ 0.30%	
68 – 69	43' – 15" S. @ 0.30%	
69 – 70	40' – 15" S. @ 0.30%	
70 – 16	57' – 15" S. @ 0.30%	
71 – 72	43' – 15" S. @ 0.30%	
72 – 74	42' – 15" S. @ 0.30%	CLASS III
73 – 74	43' – 15" S. @ 0.30%	CLASS III
74 – 9	30' – 15" S. @ 0.30%	
RD1 – RD2	44' – 6" S. @ 1.04%	
RD2 – RD4	18' – 6" S. @ 1.04%	
RD3 – RD4	44' – 6" S. @ 1.04%	
RD4 – 1	53' – 15" S. @ 0.25%	
RD5 – RD7	1' – 6" S. @ 4.17%	
RD6 – RD7	2' – 3" S. @ 15.29%	
RD7 – RD14	18' – 6" S. @ 4.17%	
RD8 – RD9	15' – 3" S. @ 1.04%	
RD9 – RD11	19' – 6" S. @ 1.04%	
RD10 – RD11	15' – 3" S. @ 5.75%	
RD11 – RD13	29' – 6" S. @ 1.04%	
RD12 – RD13	15' – 3" S. @ 4.76%	
RD13 – RD14	18' – 6" S. @ 1.04%	
RD14 – RD15	48' – 15" S. @ 0.25%	
RD15 – 2	35' – 15" S. @ 0.25%	
RD16 – 3	54' – 15" S. @ 0.28%	
RD17 – RD18	12' – 6" S. @ 4.17%	
RD18 – RD20	13' – 6" S. @ 4.17%	
RD19 – RD20	10' – 6" S. @ 10.50%	
RD20 – RD27	7' – 6" S. @ 4.17%	
RD21 – RD23	10' – 6" S. @ 2.08%	
RD22 – RD23	7' – 6" S. @ 1.04%	
RD23 – RD24	4' – 6" S. @ 2.00%	

STORM PIPE DATA

PIPE CONNECTION	PIPE DETAILS
RD24 – RD26	12' – 6" S. @ 4.00%
RD25 – RD26	10' – 6" S. @ 1.04%
RD26 – RD27	26' – 6" S. @ 4.00%
RD27 – 5	54' – 15" S. @ 0.25%
RD28 – RD29	2' – 6" S. @ 1.04%
RD29 – RD31	6' – 6" S. @ 2.20%
RD30 – RD31	2' – 6" S. @ 1.04%
RD31 – RD32	32' – 6" S. @ 2.20%
RD32 – RD34	3' – 6" S. @ 2.20%
RD33 – RD34	4' – 6" S. @ 1.04%
RD34 – RD42	9' – 6" S. @ 2.20%
RD35 – RD36	11' – 6" S. @ 2.08%
RD36 – RD38	19' – 6" S. @ 4.17%
RD37 – RD38	11' – 6" S. @ 9.42%
RD38 – RD40	18' – 6" S. @ 4.17%
RD39 – RD40	11' – 6" S. @ 16.76%
RD40 – RD42	28' – 6" S. @ 4.17%
RD41 – RD42	13' – 6" S. @ 2.08%
RD42 – 6	54' – 15" S. @ 0.50%
RD49 – 8	24' – 6" S. @ 1.04%
RD50 – RD51	52' – 6" S. @ 1.04%
RD51 – 10	41' – 6" S. @ 1.04%
RD52 – RD54	5' – 6" S. @ 1.35%
RD53 – RD54	4' – 6" S. @ 1.04%
RD54 – RD55	10' – 6" S. @ 1.35%
RD55 – 11	26' – 6" S. @ 1.35%
RD56 – RD57	8' – 6" S. @ 2.08%
RD57 – RD59	19' – 6" S. @ 4.17%
RD58 – RD59	8' – 6" S. @ 11.15%
RD59 – RD61	19' – 6" S. @ 4.17%
RD60 – RD61	8' – 6" S. @ 20.25%
RD61 – 13	31' – 6" S. @ 3.85%

STORM PIPE DATA NOTES:

ALL STORM PIPE 15" AND LARGER TO BE RCP CLASS V UNLESS NOTED OTHERWISE.

ALL STORM PIPE 12" AND SMALLER TO BE PVC, SDR 35.

REFER TO DETAIL CG506/A4 FOR PIPE TRENCH BEDDING DETAIL.

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

NAVFAC

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

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	DLB				
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
DO-CORE

MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

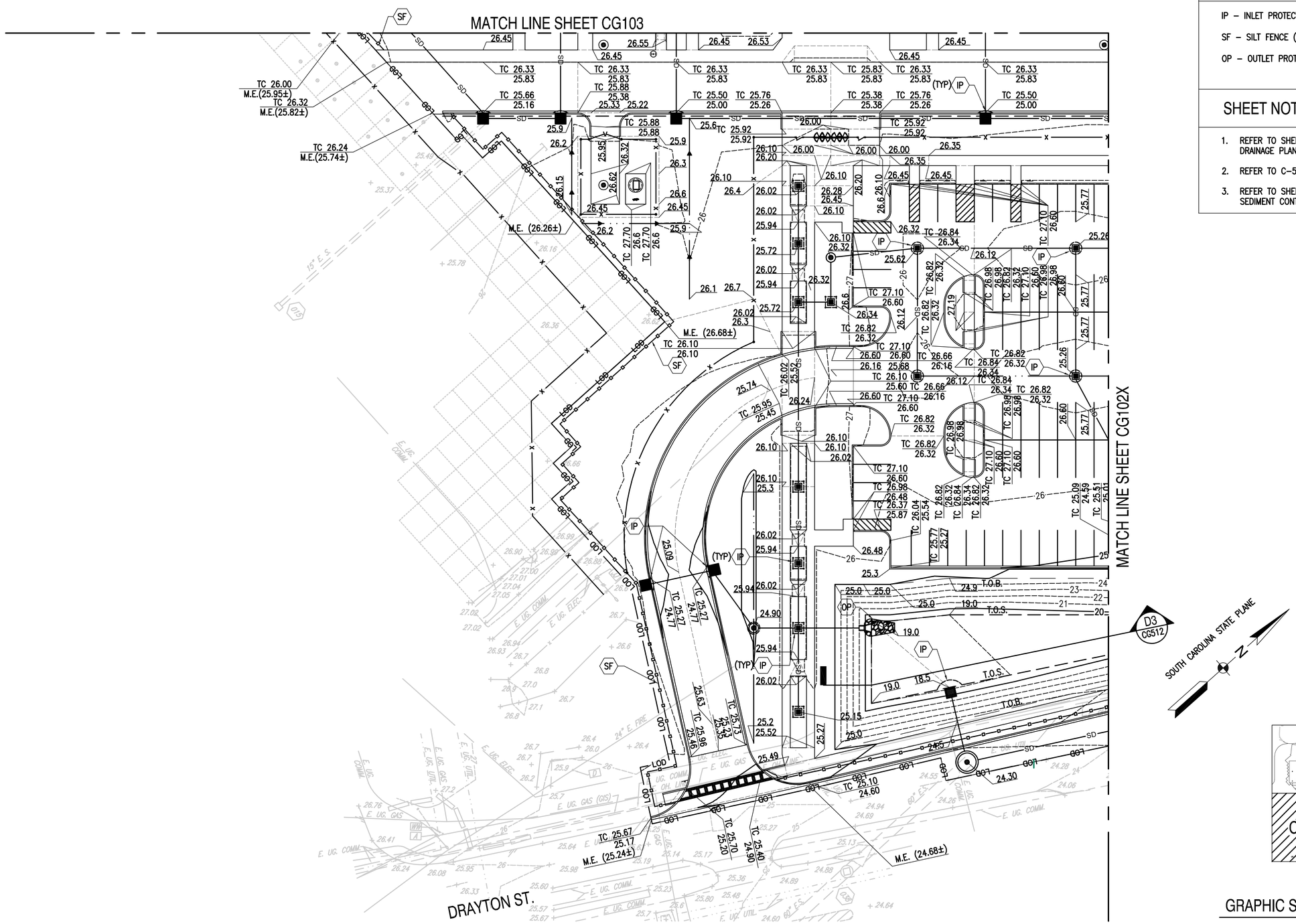
STORM SCHEDULE

SCALE: NONE
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871430
SHEET 1335 OF 1412

CG002X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BUMSA 10-02-25\BLDG-P475-1363603-CG002X – Volume 6.dwg LAYOUT NAME: CG002X PLOTTED: Monday, November 10, 2025 – 1:30pm USER: mlw



E & S CONTROL MEASURE KEY NOTES

IP – INLET PROTECTION (REFER TO SHEETS C-503, C-504)

SF – SILT FENCE (REFER TO DETAIL C-506/B1)

OP – OUTLET PROTECTION (REFER TO DETAIL C-505/A1)

SHEET NOTES:

1. REFER TO SHEETS CG105X TO CG108X FOR STORMWATER DRAINAGE PLANS AND KEY NOTES.
2. REFER TO C-501 FOR GENERAL EROSION CONTROL NOTES.
3. REFER TO SHEET C-012 AND C-013 FOR SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES AND LEGEND.

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW L. BAMFORTH

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 DLB

CHIEF ENG/ARCH EJA

FIRE PROTECTION DSN

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

MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

GRADING AND EROSION CONTROL PLAN

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

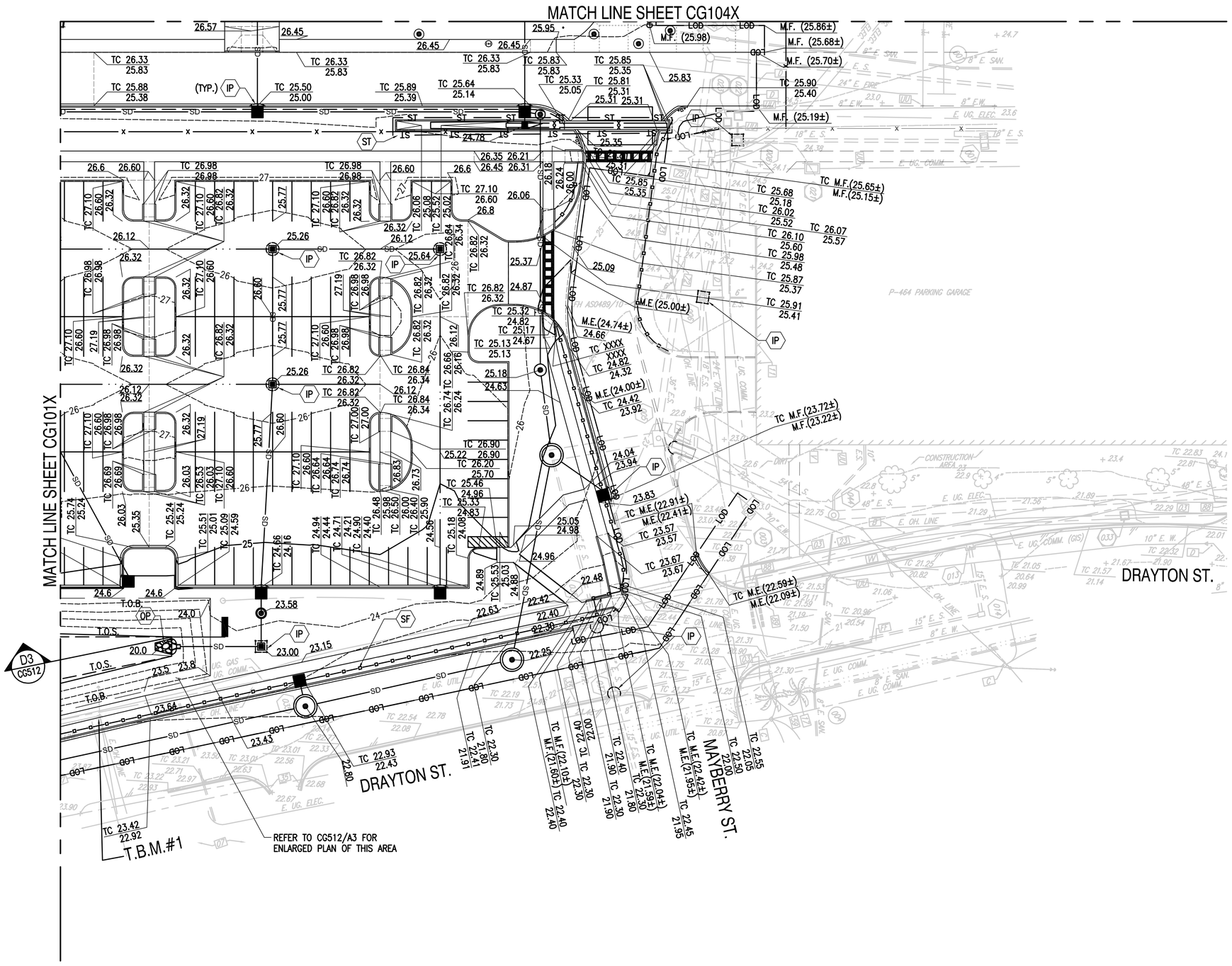
NAVFAC DRAWING NO. 12871431

SHEET 1336 OF 1412

CG101X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-23\BLDG-P475-1363603-CG101X - Volume 6.dwg LAYOUT NAME: CG101X PLOTTED: Monday, November 10, 2025 - 1:30pm USER: mtw



E & S CONTROL MEASURE KEY NOTES

IP – INLET PROTECTION (REFER TO SHEETS C-503, C-504)

SF – SILT FENCE (REFER TO DETAIL C-506/B1)

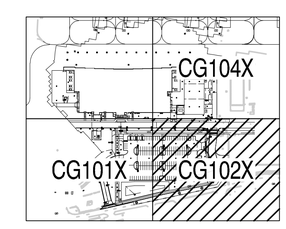
OP – OUTLET PROTECTION (REFER TO DETAIL C-505/A1)

ST – SEDIMENT TUBE (REFER TO DETAIL C-502/A4)

SHEET NOTES:

1. REFER TO SHEETS CG105X TO CG108X FOR STORMWATER DRAINAGE PLANS AND KEY NOTES.
2. REFER TO C-501 FOR GENERAL EROSION CONTROL NOTES.
3. REFER TO SHEET C-012 AND C-013 FOR SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES AND LEGEND.

SOUTH CAROLINA STATE PLANE



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW R. CAMPBELL SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 11/21/2022

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	DLB
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 6
SITE BASE BID AND ADDITIONAL OPTIONS

GRADING AND EROSION CONTROL PLAN

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

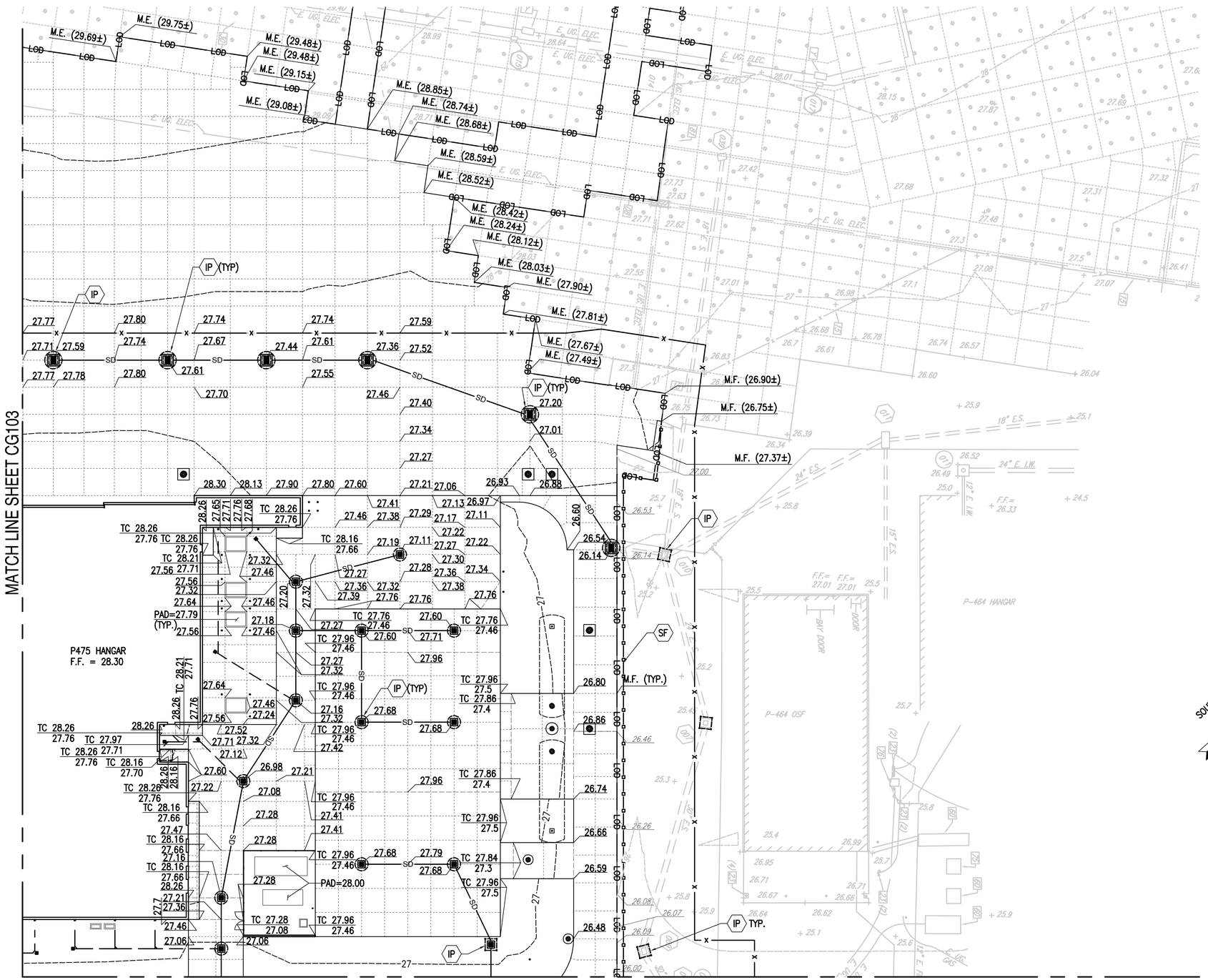
NAVFAC DRAWING NO. 12871432

SHEET 1337 OF 1412

CG102X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\20021\BUMSA 10-02-25\BLDG-P475-1363603-CG102X - Volume 6.dwg LAYOUT NAME: CG102X PLOTTED: Monday, November 10, 2025 - 1:31pm USER: mlw



E & S CONTROL MEASURE KEY NOTES

IP – INLET PROTECTION (REFER TO SHEETS C-503 AND C-504)

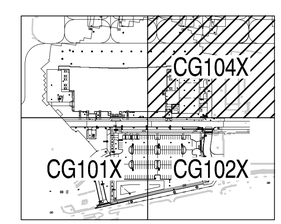
SF – SILT FENCE (REFER TO DETAIL C-506/B1)

SHEET NOTES:

1. REFER TO SHEETS CG105X TO CG108X FOR STORMWATER DRAINAGE PLANS AND KEY NOTES.
2. REFER TO C-501 FOR GENERAL EROSION CONTROL NOTES AND EROSION CONTROL AND GRADING FOR OFFSITE UTILITY TRENCHES NOTES.
3. REFER TO TELECOMMUNICATION AND electrical SITE PLAN SHEETS FOR OFFSITE UTILITY LOCATION.
4. REFER TO SHEET C-012 AND C-013 FOR SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES AND LEGEND.

SOUTH CAROLINA STATE PLANE

N



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANTHONY L. BAMFORTH

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 15/01/2023

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	DLB		
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 CODE
MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

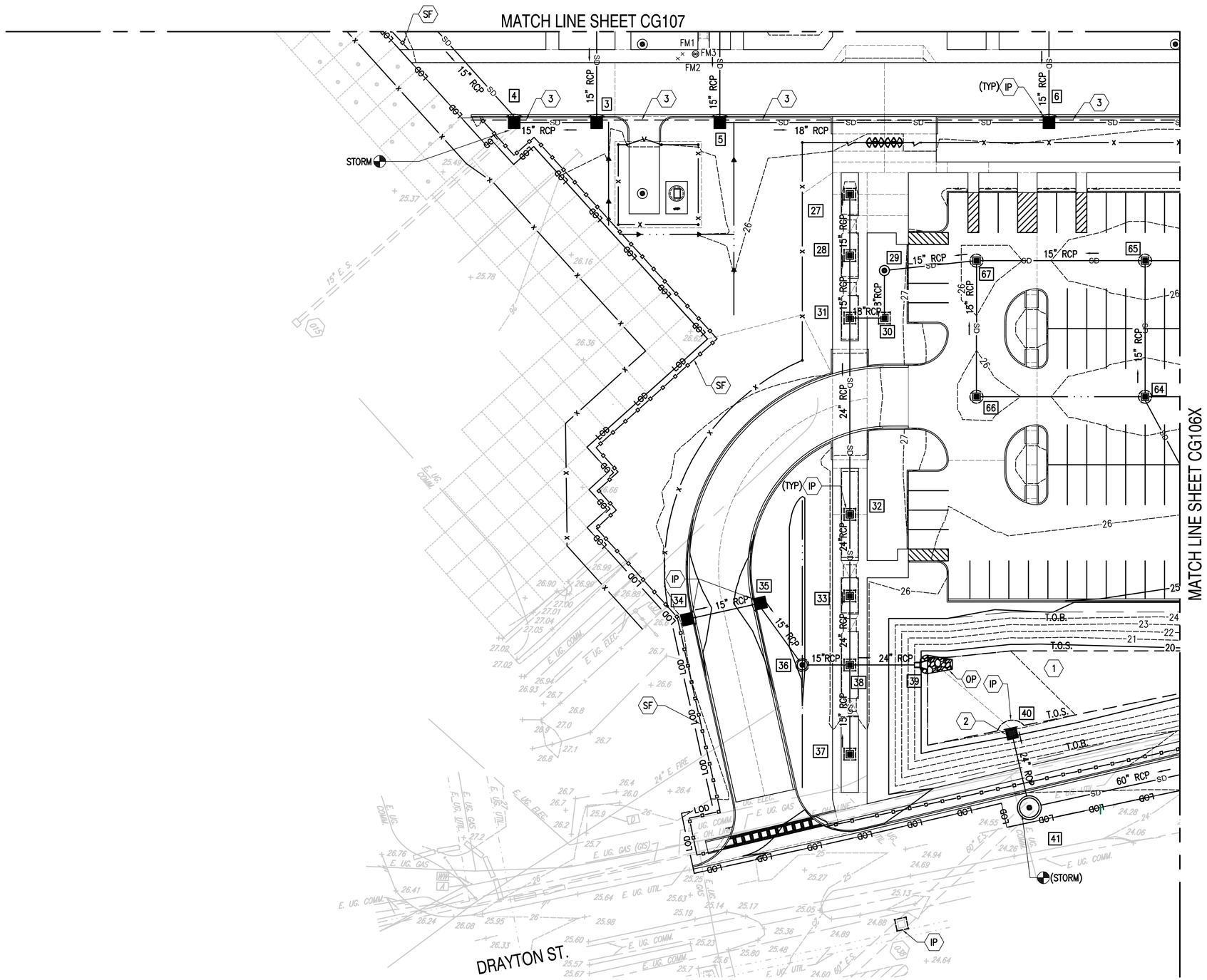
GRADING AND EROSION CONTROL PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871433
SHEET 1338 OF 1412

CG104X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BAMSA 10-02-25\BLDG-P475-1363603-CG104X - Volume 6.dwg LAYOUT NAME: CG104X PLOTTED: Monday, November 10, 2025 - 1:31pm USER: mtw



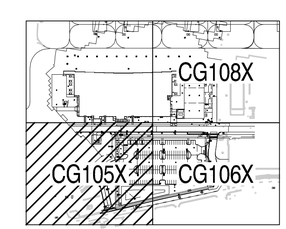
STORMWATER KEY NOTES (THIS SHEET ONLY)

1. DRY DETENTION AREA (REFER TO CG512)
2. DETENTION AREA OUTLET STRUCTURE (REFER TO CG507/A4)
3. 6-INCH SUBDRAINAGE PIPE (REFER TO DETAIL CS501/A3)

SHEET NOTES:

1. REFER TO SHEETS CG001 AND CG002 FOR STORM SCHEDULES AND STRUCTURE DETAILS.
2. REFER TO CG702 FOR OVERALL DRAINAGE PLAN.
3. REFER TO C-501 FOR GENERAL EROSION CONTROL NOTES.
4. REFER TO CG101X TO CG104X FOR EROSION CONTROL MEASURE KEY NOTES.
5. REFER TO SHEET C-012 AND C-013 FOR SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES AND LEGEND.

SOUTH CAROLINA STATE PLANE



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW R. BAMFORTH 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	DLB
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 CODE
MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

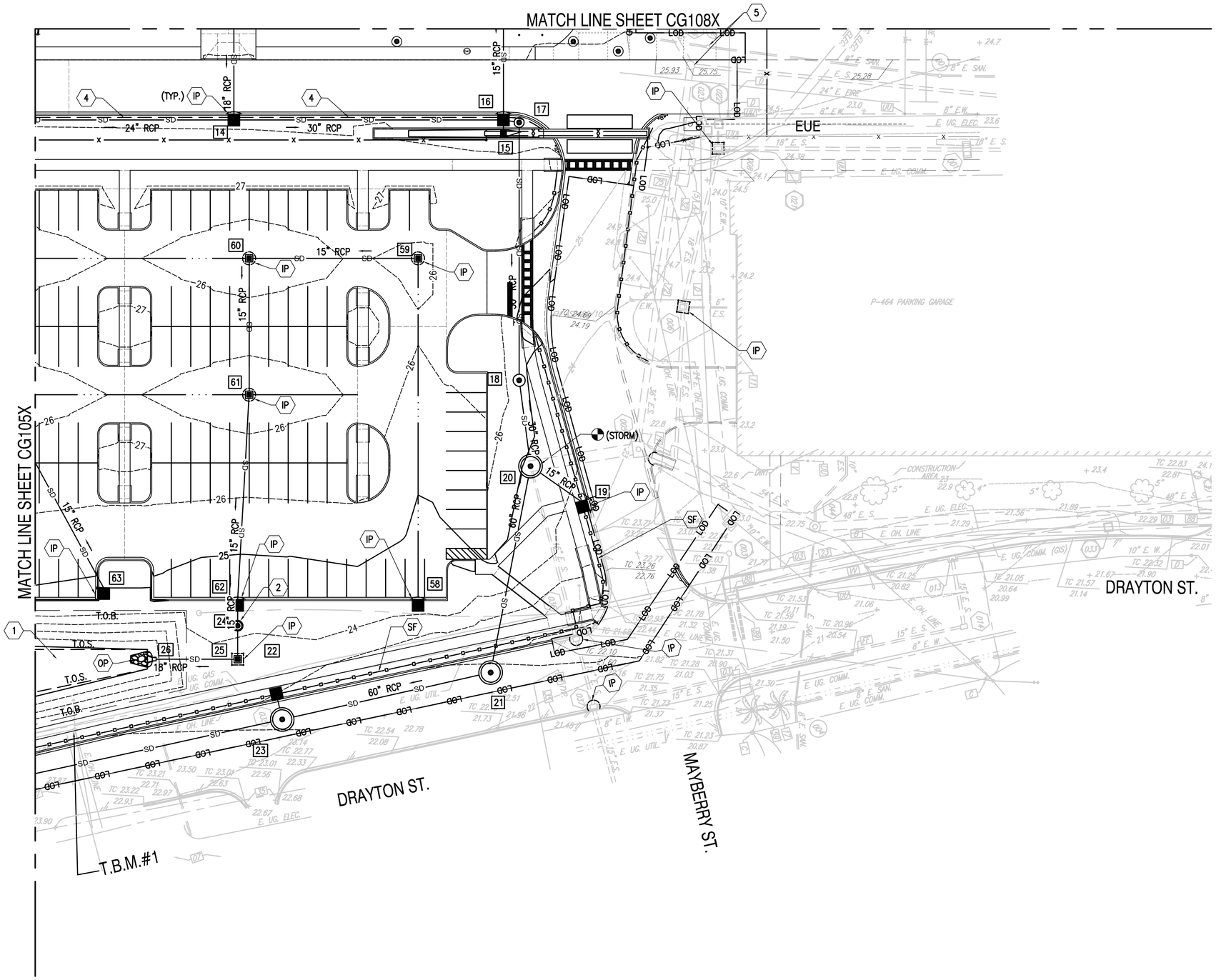
STORM DRAINAGE PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871434
SHEET 1339 OF 1412

CG105X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CG105X - Volume 6.dwg LAYOUT NAME: CG105X PLOTTED: Monday, November 10, 2025 - 1:31pm USER: rmtw



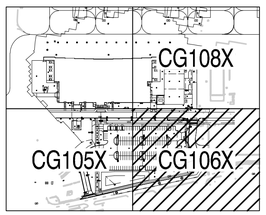
STORMWATER KEY NOTES (THIS SHEET ONLY)

1. DRY DETENTION AREA (REFER TO CG512)
2. HYDRODYNAMIC MANUFACTURED TREATMENT DEVICE (MTD) (REFER TO DETAIL CG507/A1)
3. NOT USED
4. 6-INCH SUBDRAINAGE PIPE (REFER TO DETAIL CS501/A3)
5. ADJUST RIM TO FINISH GRADE

SHEET NOTES:

1. REFER TO SHEETS CG001 AND CG002 FOR STORM SCHEDULES AND STRUCTURE DETAILS.
2. REFER TO CG702 FOR OVERALL DRAINAGE PLAN.
3. REFER TO C-501 FOR GENERAL EROSION CONTROL NOTES.
4. REFER TO CG101X TO CG104X FOR EROSION CONTROL MEASURE KEY NOTES.
5. REFER TO SHEET C-012 AND C-013 FOR SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES AND LEGEND.

SOUTH CAROLINA STATE PLANE



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW L. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO.

APPROVED

FOR COMMANDER NAVFAC 11/21/2022

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 DLB

CHIEF ENG/ARCH EJA

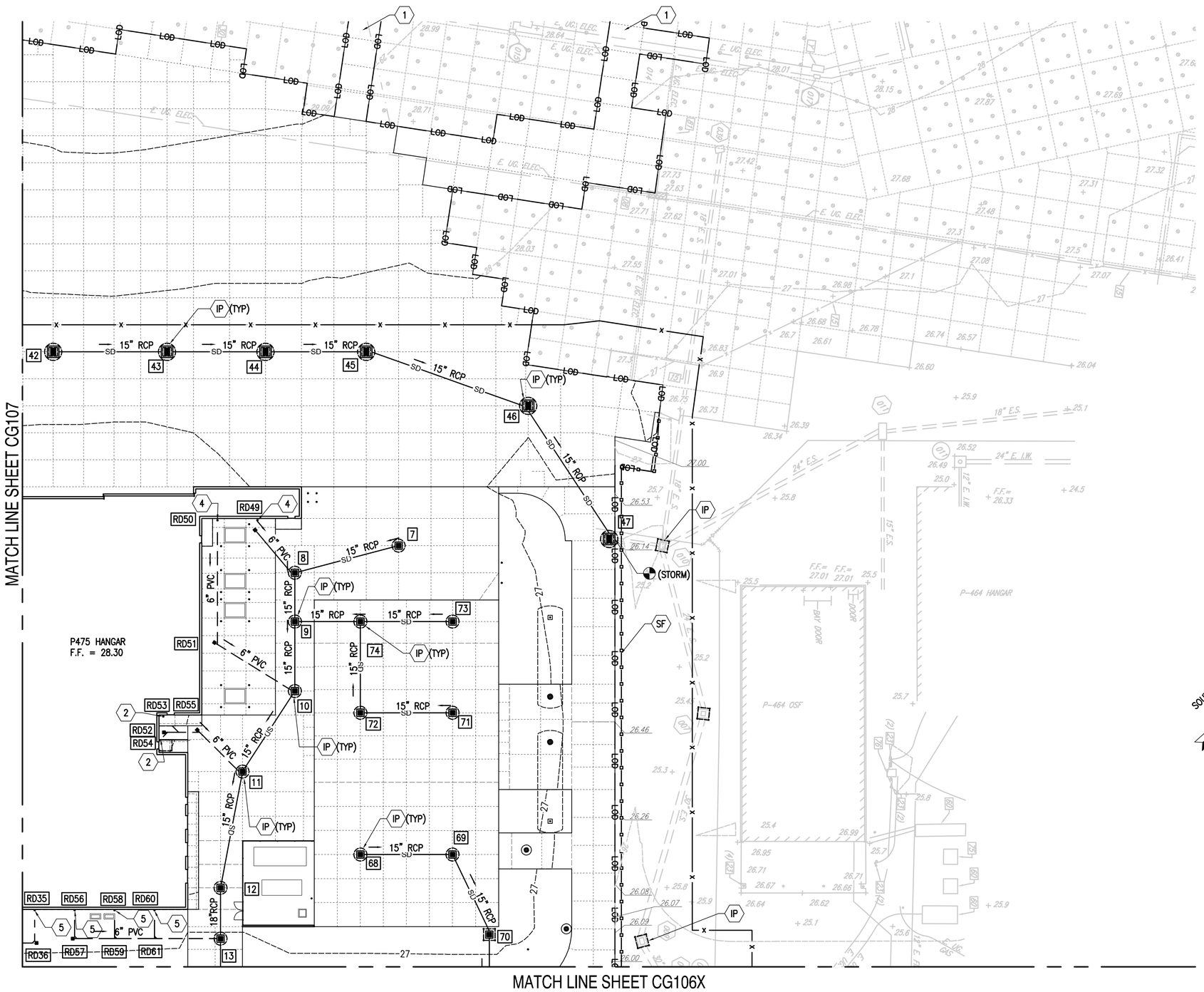
FIRE PROTECTION DSN

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 6
SITE BASE BID AND ADDITIONAL OPTIONS
STORM DRAINAGE PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871435
SHEET 1340 OF 1412
CG106X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\200211\BMSA 10-02-25\BLDG-P475-1363603-CG106X - Volume 6.dwg LAYOUT NAME: CG106X PLOTTED: Monday, November 10, 2025 - 1:31pm USER: mrlw



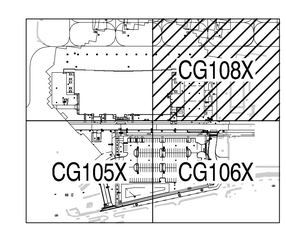
STORMWATER KEY NOTES (THIS SHEET ONLY)

1. REFER TO ELECTRICAL AND TELECOMMUNICATION SHEETS FOR OFFSITE UTILITY LOCATION.
2. DOWNSPOUT BOOT OFFSET – CONCRETE SIDEWALK (REFER TO DETAIL CG513/C1)
3. NOT USED
4. DOWNSPOUT BOOT 45 DEGREE – CONCRETE SIDEWALK (REFER TO DETAIL CG513/A1)
5. DOWNSPOUT BOOT 45 DEGREE – GROUND (REFER TO DETAIL CG513/A3)

SHEET NOTES:

1. REFER TO SHEETS CG001 AND CG002 FOR STORM SCHEDULES AND STRUCTURE DETAILS.
2. REFER TO CG702 FOR OVERALL DRAINAGE PLAN.
3. REFER TO C-501 FOR GENERAL EROSION CONTROL NOTES AND EROSION CONTROL AND GRADING FOR OFFSITE UTILITY TRENCHES NOTES.
4. REFER TO CG101X TO CG104X FOR EROSION CONTROL MEASURE KEY NOTES.
5. REFER TO SHEET C-012 AND C-013 FOR SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES AND LEGEND.

SOUTH CAROLINA STATE PLANE



KEY PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANTHONY B. BAMFORTH 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 DLB

CHIEF ENG/ARCH EJA

FIRE PROTECTION DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

STORM DRAINAGE PLAN

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

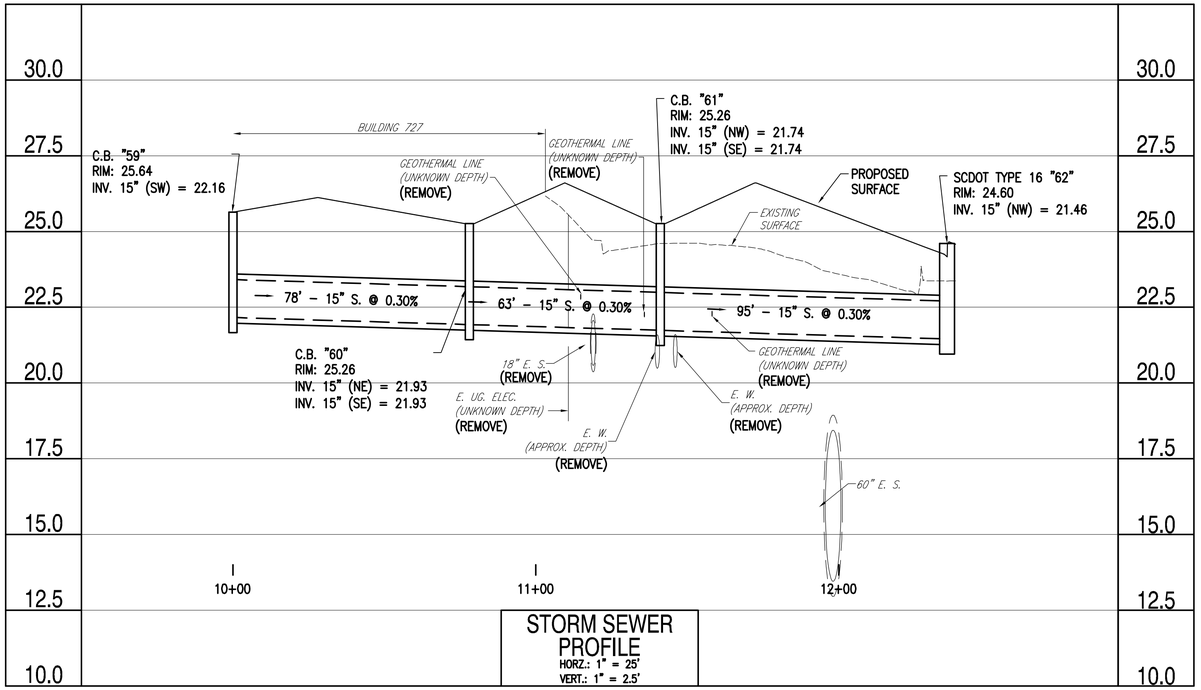
NAVFAC DRAWING NO. 12871436

SHEET 1341 OF 1412

CG108X

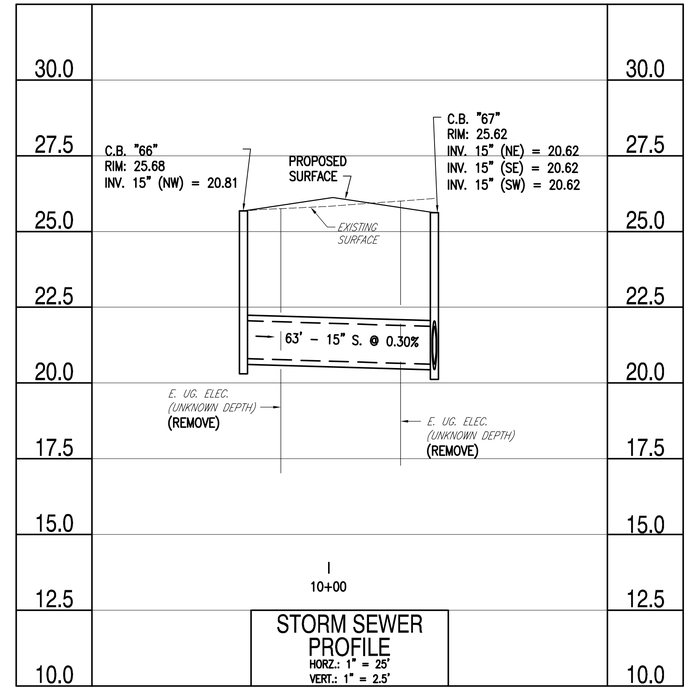
DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\20021\BJWSA 10-02-25\BL06-P475-1363603-CG108X - Volume 6.dwg LAYOUT NAME: CG108X PLOTTED: Monday, November 10, 2025 - 1:32pm USER: mlw



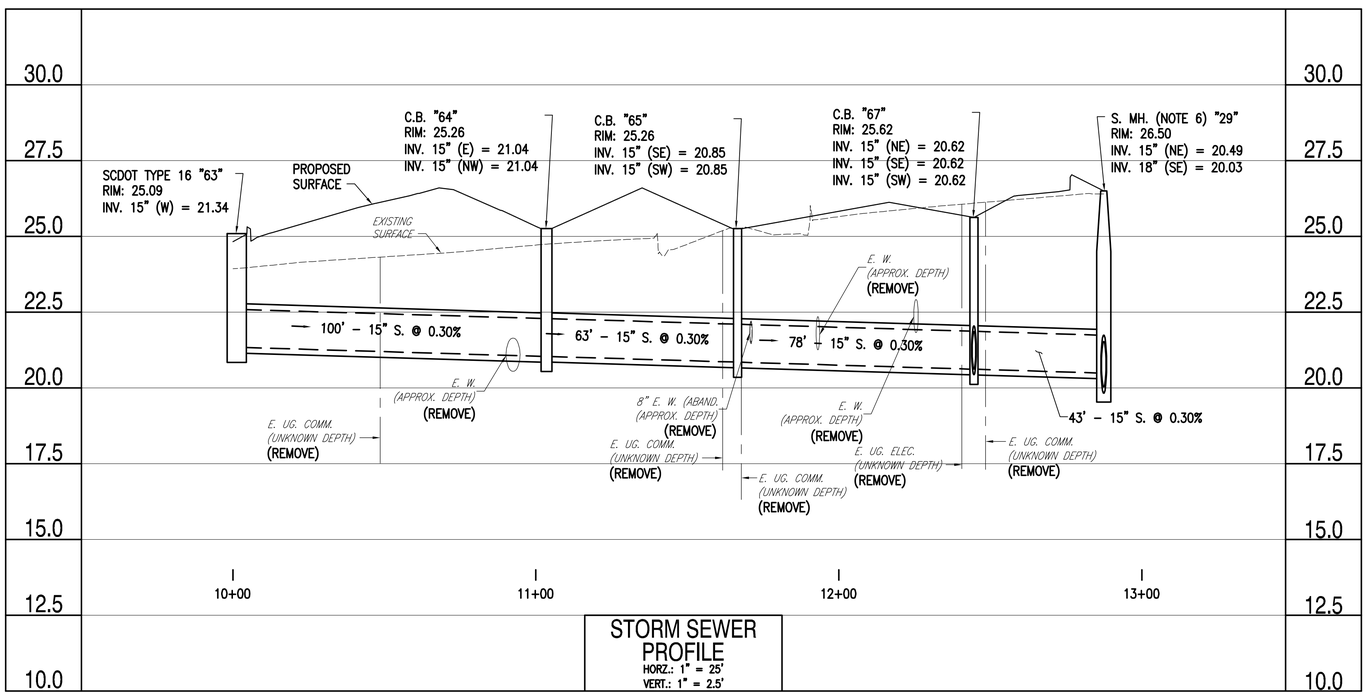
STORM SEWER PROFILE
HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CG1XX



STORM SEWER PROFILE
HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CG1XX



STORM SEWER PROFILE
HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CG1XX

NOTES:

1. REFER TO SHEET CG002 FOR STORM STRUCTURE DATA NOTES.

GRAPHIC SCALE

HORZIONTAL 1" = 25' — 0 25 50' 75' 100'

VERTICAL 1" = 2.5' — 0 2.5' 5.0' 7.5' 10.0'

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

NAVFAC

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

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	DLB		
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 6
SITE BASE BID AND ADDITIONAL OPTIONS

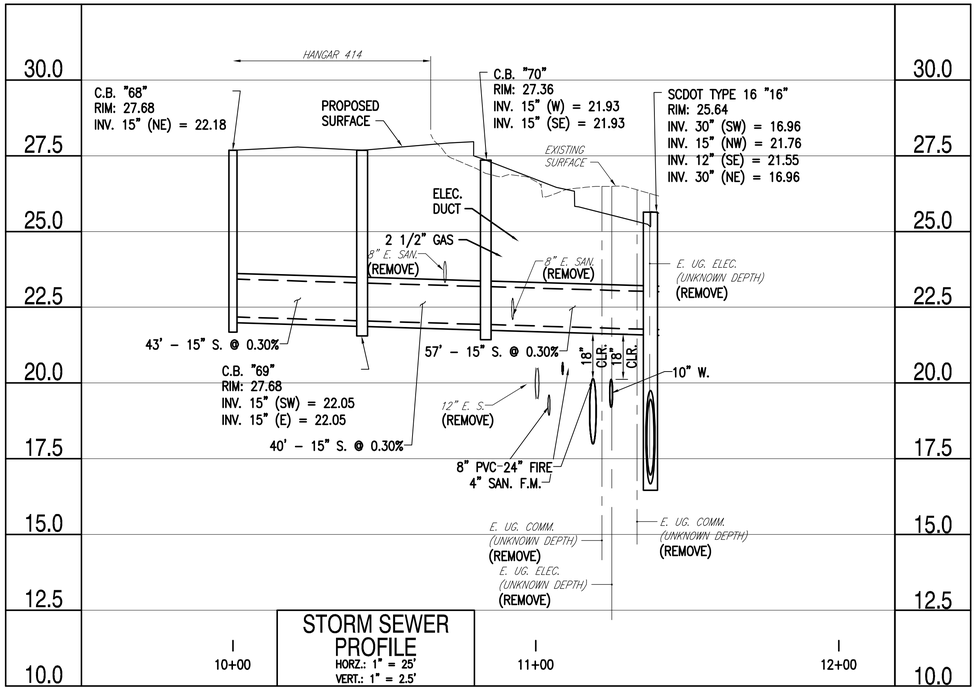
STORM SEWER PROFILES

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871437
SHEET 1342 OF 1412

CG301X

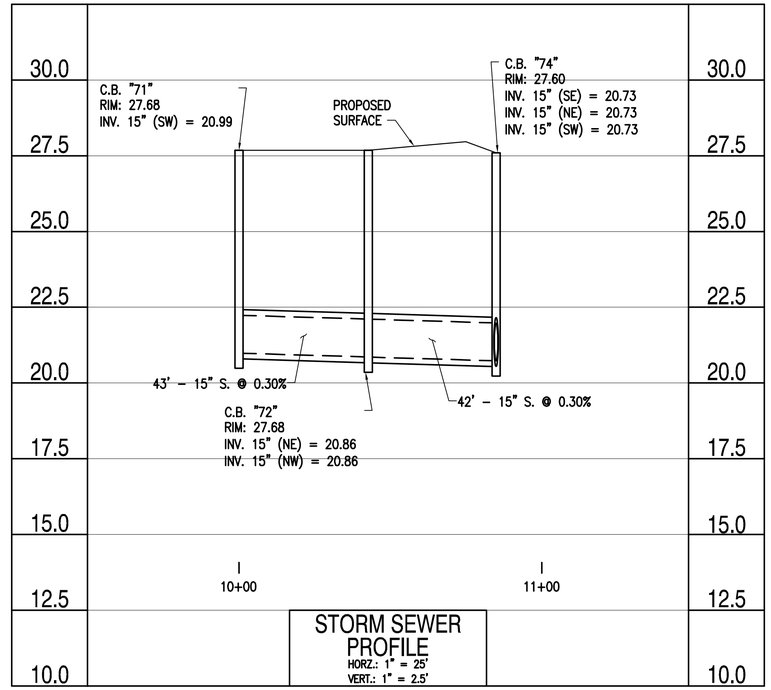
DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CG301X - Volume 6.dwg LAYOUT NAME: CG301X PLOTTED: Monday, November 10, 2025 - 1:32pm USER: mtw



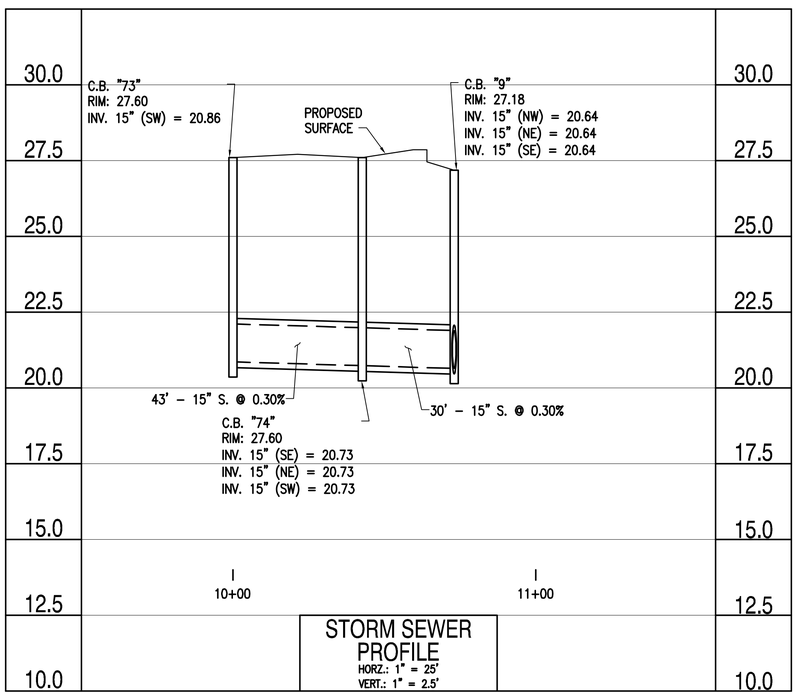
STORM SEWER PROFILE
HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CG1XX



STORM SEWER PROFILE
HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CG1XX



STORM SEWER PROFILE
HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CG1XX

NOTES:

1. REFER TO SHEET CG002 FOR STORM STRUCTURE DATA NOTES.

GRAPHIC SCALE

HORZIONTAL 1" = 25' — 0, 25, 50', 75', 100'

VERTICAL 1" = 2.5' — 0, 2.5', 5.0', 7.5', 10.0'

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

NAVFAC

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

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 12/21/2022

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	DLB		
CHIEF ENG/ARCH	EJA		
FIRE PROTECTION	DSN		

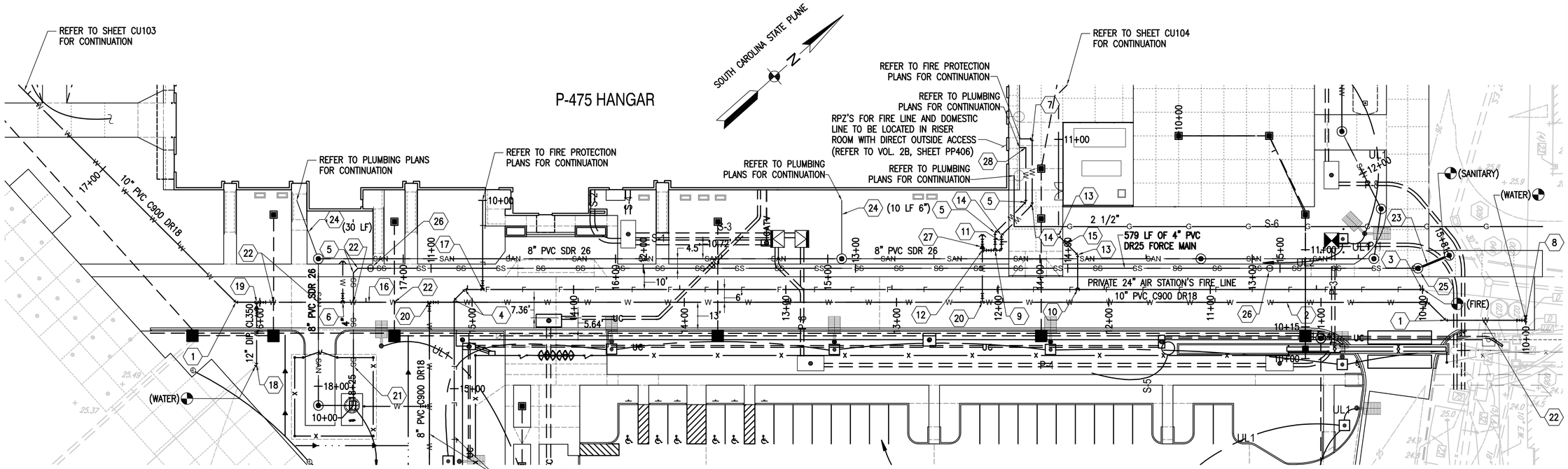
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
DC CORE
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS
STORM SEWER PROFILES

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871438
SHEET 1343 OF 1412

CG302X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CG302X - Volume 6.dwg LAYOUT NAME: CG302X PLOTTED: Monday, November 10, 2025 - 1:32pm USER: mtw



COMPOSITE UTILITY PLAN

NEW WORK KEY NOTES (THIS SHEET ONLY)

1. 10" – 45° BEND W/ RESTRAINED JOINTS AND MARKER
2. 2" SERVICE SADDLE
   2" CORPORATION STOP
   2" W.
*3. 24" – 11 1/4° BEND W/ RESTRAINED JOINTS
*4. 24" – 45° BEND W/ RESTRAINED JOINTS
5. 4" – 45° BEND W/ RESTRAINED JOINTS AND MARKER
6. 10" X 6" TEE W/ RESTRAINED JOINTS
   6" VALVE W/ BOX
   19'± L.F. PVC C900 DR18
7. 6" – 90° BEND W/ RESTRAINED JOINTS AND MARKER
8. 10" X 10" TEE W/ RESTRAINED JOINTS
   10" VALVE W/ BOX
9. 6" X 4" TEE W/ RESTRAINED JOINTS
   4" VALVE W/ BOX
10. 24" X 8" TEE W/ RESTRAINED JOINTS
11. 6" – 90° BEND W/ RESTRAINED JOINTS
    6" VALVE W/ LOCKING LID BOX
    6" POST INDICATOR VALVE. PROVIDE SIGNAGE TO INDICATE WHICH BUILDING IT SERVES.
12. 8" X 6" TEE W/ RESTRAINED JOINTS
    6" VALVE W/ BOX
*13. 8" – 45° BEND W/ RESTRAINED JOINTS
14. 6" – 45° BEND W/ RESTRAINED JOINTS
15. 8" POST INDICATOR VALVE PROVIDE SIGNAGE TO INDICATE WHICH BUILDING IT SERVES.
16. 1" SERVICE SADDLE
    1" CORPORATION STOP
    32 LF OF 1" HPDE SDR11
    WATER METER
    YARD HYDRANT
*17. 24" X 16" TEE W/ RESTRAINED JOINTS
    16" VALVE W/ BOX
    16" W.
18. 12" – 45° BEND W/ RESTRAINED JOINTS AND MARKER.
    CONNECT TO EXISTING 12" W.
19. 10" X 10" TEE W/ RESTRAINED JOINTS
    10" GATE VALVE W/ BOX
    10" X 12" REDUCER W/ RESTRAINED JOINTS AND MARKER
    12" GATE VALVE W/ BOX
20. 10" X 8" TEE W/ RESTRAINED JOINTS
    8" VALVE W/ BOX
21. 4" PLUG VALVE.
    REFER TO BJWSA DETAILS S-13A AND S-13B.
22. 18 L.F. OF 10" DIP CL350 CENTERED ON CROSSING
23. 16 L.F. OF 8" PVC SDR26 @ MAX SLOPE OF 0.70% SLOPE
24. 6" PVC SDR26 AT MIIN. 1.00% SLOPE
    4" DUEL SWEEP CO. AT BUILDING (TYP.)
25. CONTROL MANHOLE (REFER TO DETAIL CU503/C3)
26. AIR VENT
27. 8" X 6" REDUCER
    6" VALVE W/ BOX
    7'± L.F. 6" DI CL 350 W/ FIRE HYDRANT ASSEMBLY
28. 4" – 90° BEND W/ RESTRAINED JOINTS

WATER CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
W1	231293.23	2084725.78
W2	231290.99	2084723.78
W3	231265.06	2084700.70
W4	231264.36	2084688.72
W5	231214.76	2084644.57
W6	230880.41	2084412.53
W7	231107.61	2084549.18
W8	231123.90	2084530.88
W9	231128.38	2084534.87
W10	230915.23	2084377.93
W11	230912.99	2084375.94
W12	230882.48	2084348.78
W13	230854.50	2084323.90
W14	230852.18	2084321.81
W15	230844.86	2084315.29
W16	230836.24	2084166.96
W17	230843.92	2084167.20
W18	230854.05	2084149.96
W19	230918.63	2084074.41
W20	230940.11	2084050.28
W21	230944.40	2084045.46
W22	230947.39	2084045.28
W23	230974.86	2084069.73
W24	230978.49	2084072.97
W25	231339.44	2084394.28
W26	231429.22	2084474.19
W27	231429.74	2084483.18

WATER CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
W28	231413.36	2084501.58
W29	231411.70	2084503.45
W30	231410.03	2084505.31
W31	231410.40	2084511.64
W32	231266.33	2084682.44
W33	231145.13	2084574.55
W34	230935.71	2084388.13
W35	230929.47	2084382.58
W36	230922.41	2084382.99
W37	230733.62	2084595.06
W38	230731.63	2084597.30
W39	230910.99	2084378.18
W40	230785.90	2084518.71
W41	230769.17	2084566.81
W42	230788.69	2084607.13
W43	230792.05	2084610.12
W44	230966.59	2084765.50
W45	231050.47	2084844.68
W46	231054.51	2084860.54
W47	231166.47	2084866.14
W48	231163.93	2084866.51
W49	231093.87	2084884.74
W50	231057.19	2084862.95
W51	231055.25	2084863.45
W52	231048.57	2084865.15
W53	230937.71	2084385.89
W54	230963.62	2084356.79

WATER CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
W55	230923.23	2084035.26
W56	230926.29	2084037.98
W57	230928.01	2084039.51
W58	231156.00	2084562.35
W59	231155.56	2084554.81
W60	231155.26	2084549.64
W61	231199.83	2084499.57
W62	231227.00	2084497.99
W63	231252.34	2084469.53
W64	231259.40	2084469.12
W65	231133.28	2084533.88
W66	231135.27	2084531.64
W67	231155.74	2084530.45
W68	231176.33	2084507.32
W69	231130.62	2084536.87
W70	231171.40	2084508.36
W71	230850.60	2084323.58
W72	230848.78	2084325.63
W73	230832.56	2084343.85
W74	230985.56	2084807.70
W75	231133.86	2084528.72
W76	231154.33	2084527.53

SANITARY FORCE MAIN CONTROL POINTS

DESCRIPTION	NORTHING	EASTING
FM1	230895.44	2084341.74
FM2	230898.44	2084341.57

SHEET NOTES

1. REFER TO SHEET CU001 FOR RESTRAINED JOINTS AND SANITARY SCHEDULES.
2. NOTES SHOWN WITH ARE NOT OWNED OR MAINTAINED BY BJWSA.
3. REFER TO SHEET CU001 FOR SANITARY SEWER DATA NOTES AS (#).
4. PROVIDE DUCTILE IRON (DI) WATER (W) LINE AS SPECIFIED WHERE INDICATED. PROVIDE PVC C900 DR 18 WATER LINE AS SPECIFIED WHERE INDICATED.
5. PROVIDE PVC SDR 26 FOAM BYPASS AS SPECIFIED WHERE INDICATED.
6. REFER TO SHEETS CU101 THROUGH CU104 FOR UTILITY PIPE SIZES AND STRUCTURE DESIGNATIONS.
7. ALL VALVES ARE GATE VALVES UNLESS NOTED OTHERWISE.
8. PROVIDE MINIMUM CLEARANCE REQUIRED BY BJWSA;
   10' HORIZONTAL WATER AND GRAVITY SEWER
   3' HORIZONTAL WATER AND FORCE MAIN / STORM
   5' HORIZONTAL WATER AND ELECTRICAL / GAS
9. PROVIDE DUCTILE IRON 18 FT. PIPE SECTION FOR WATER LINE, CENTERED ON CROSSING WITH OTHER UTILITY LINES.
10. REFER TO MS101X FOR GAS LINE INFORMATION.

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW L. BAMFORTH

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 15/01/2023

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 DLB

CHIEF ENG/ARCH EJA

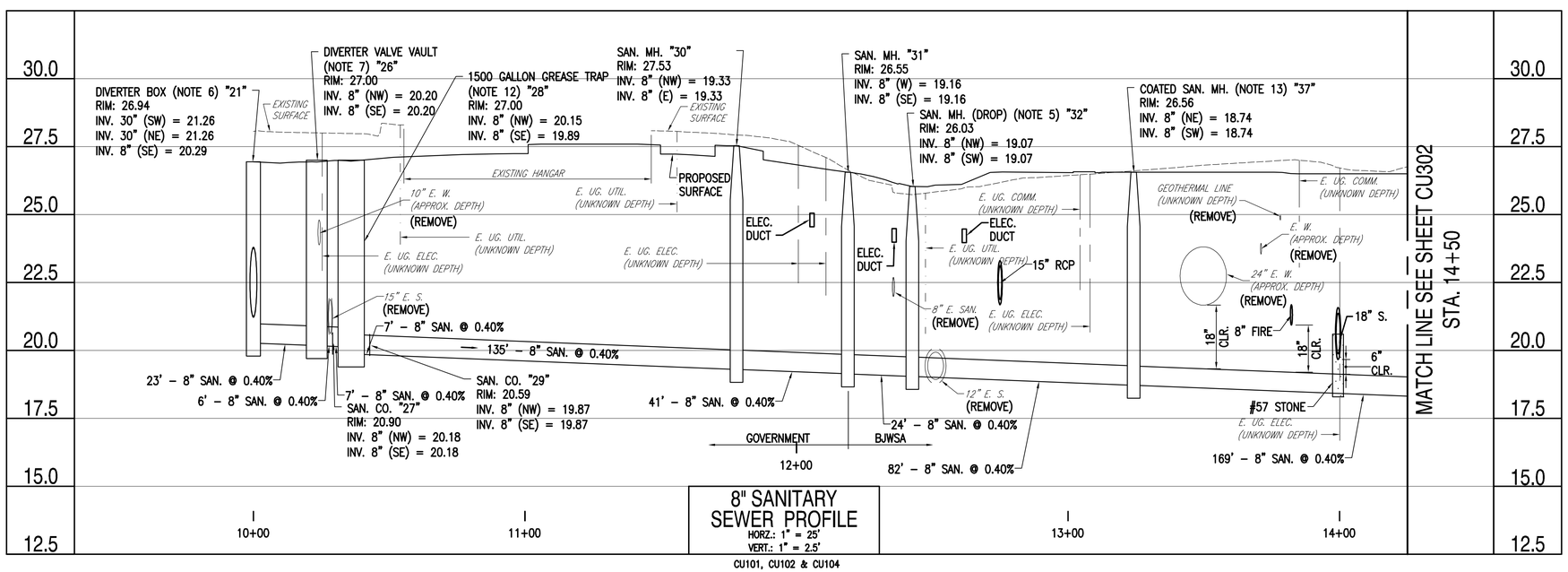
FIRE PROTECTION DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS
COMPOSITE UTILITY PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871439
SHEET 1344 OF 1412
CU105X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BJWSA 10-02-23\BLDG-P475-1363603-CU105X - Volume 6.dwg LAYOUT NAME: CU105X PLOTTED: Tuesday, November 11, 2025 - 1:49pm USER: mtw



8" SANITARY SEWER PROFILE

HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CU101, CU102 & CU104

NOTES:

1. REFER TO SHEET CU001 FOR SANITARY STRUCTURE DATA NOTES.
2. PROVIDE 6" ABSOLUTE MINIMUM CLEARANCE FOR UTILITY CROSSINGS AND #57 STONE. IF LESS THAN 6" MINIMUM, COORDINATE WITH BJWSA.

GRAPHIC SCALE

HORZIONTAL 1" = 25' — 0, 25, 50', 75', 100'

VERTICAL 1" = 2.5' — 0, 2.5', 5.0', 7.5', 10.0'

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

NAVFAC

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

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 DLB

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 6
SITE BASE BID AND ADDITIONAL OPTIONS

SANITARY FORCEMAIN & SANITARY SEWER PROFILES

SCALE: GRAPHIC

EPROJECT NO.: 1363603

CONSTR. CONTR. NO.

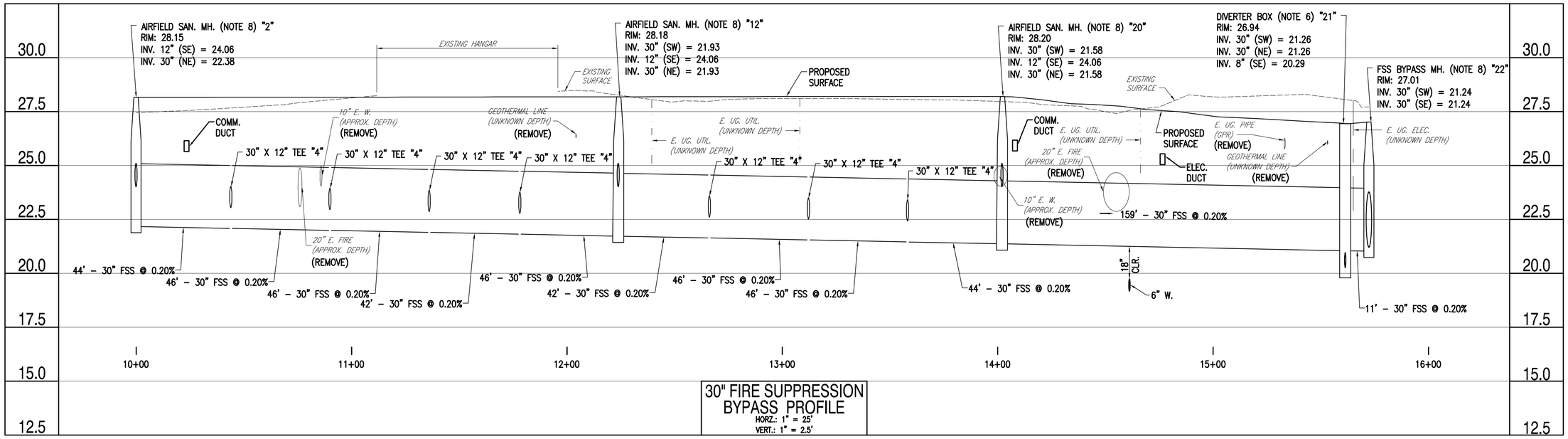
NAVFAC DRAWING NO.
12871440

SHEET 1345 OF 1412

CU301X

DRAWFORM REVISION: 25 AUGUST 2020

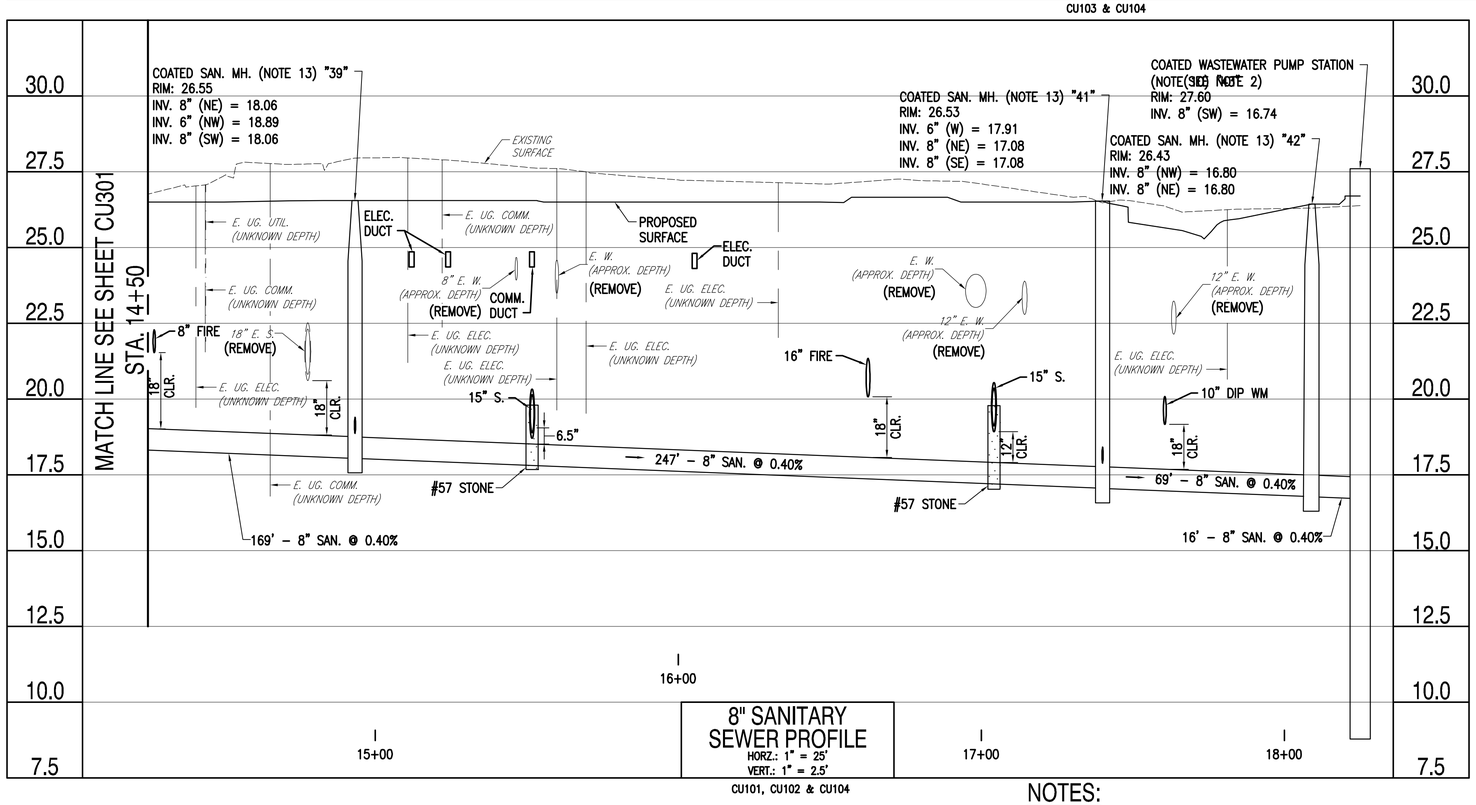
FILE NAME: K:\Jobs\20021\BJWSA 10-02-25\BLDG-P475-1363603-CU301X - Volume 6.dwg LAYOUT NAME: CU301X PLOTTED: Monday, November 10, 2025 - 1:33pm USER: mtw



30" FIRE SUPPRESSION BYPASS PROFILE

HORZ.: 1" = 25'
VERT.: 1" = 2.5'

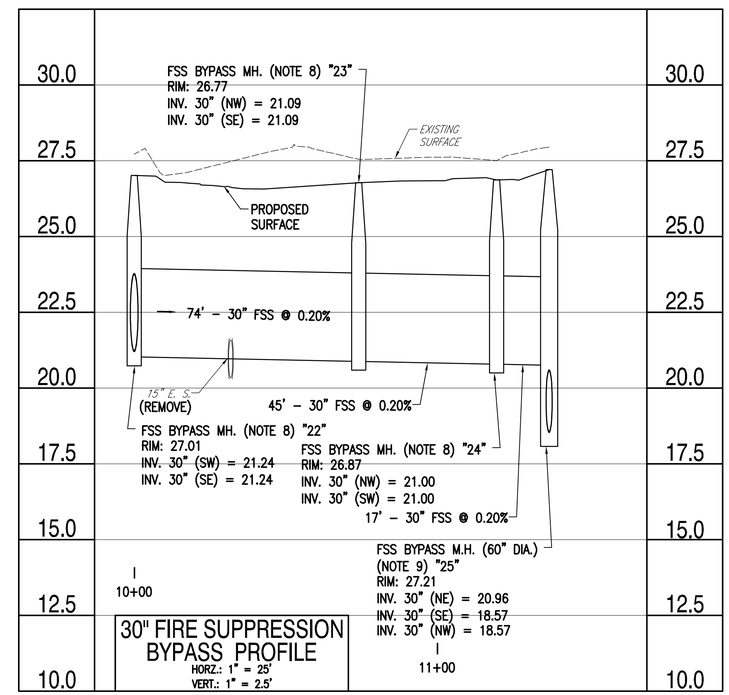
CU103 & CU104



8" SANITARY SEWER PROFILE

HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CU101, CU102 & CU104



30" FIRE SUPPRESSION BYPASS PROFILE

HORZ.: 1" = 25'
VERT.: 1" = 2.5'

CU102

NOTES:

1. REFER TO SHEET CU001 FOR SANITARY STRUCTURE DATA NOTES.
2. TOP OF WETWELL WILL BE ONE FOOT (1') ABOVE ADJACENT PAVED ROAD OR SURROUNDING GRADE. A REGISTERED LAND SURVEYOR SHALL CONFIRM THE DIFFERENCE AND STAMP THE ELEVATION ON A 2" DIAMETER STANDARD BRASS BENCHMARK EMBEDDED INTO THE WETWELL TOP. PUMP STATION SITE IS TO BE HIGHER THAN FINAL GRADE WITHIN ADJACENT 10' OF THE PUMP STATION. DRAINAGE ACROSS THE PUMP STATION IS NOT ALLOWED.

GRAPHIC SCALE

HORZIONTAL 1" = 25' — 0 25 50' 75' 100'

VERTICAL 1" = 2.5' — 0 2.5' 5.0' 7.5' 10.0'

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

NAVFAC

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

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO.

APPROVED

FOR COMMANDER NAVFAC 11/21/2022

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	DLB
CHIEF ENG/ARCH	EJA
FIRE PROTECTION	DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC NORFOLK, VA
MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

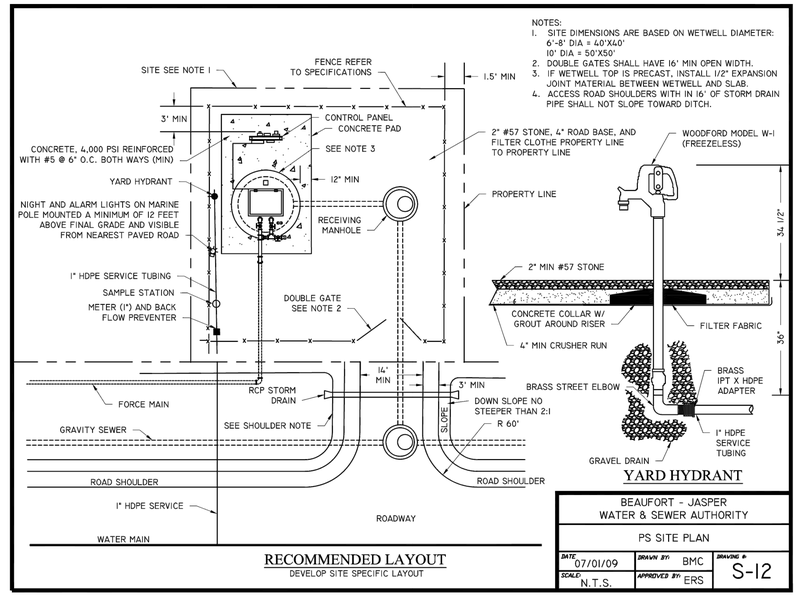
SANITARY SEWER PROFILES

SCALE:	GRAPHIC
EPROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12871441
SHEET 1346 OF 1412	

CU302X

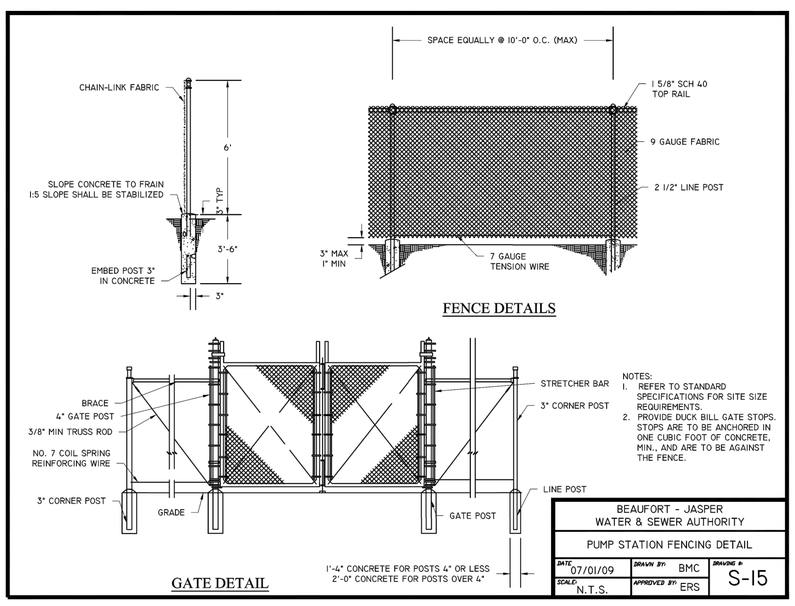
DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CU302X - Volume 6.dwg LAYOUT NAME: CU302X PLOTTED: Monday, November 10, 2025 - 1:33pm USER: mtw



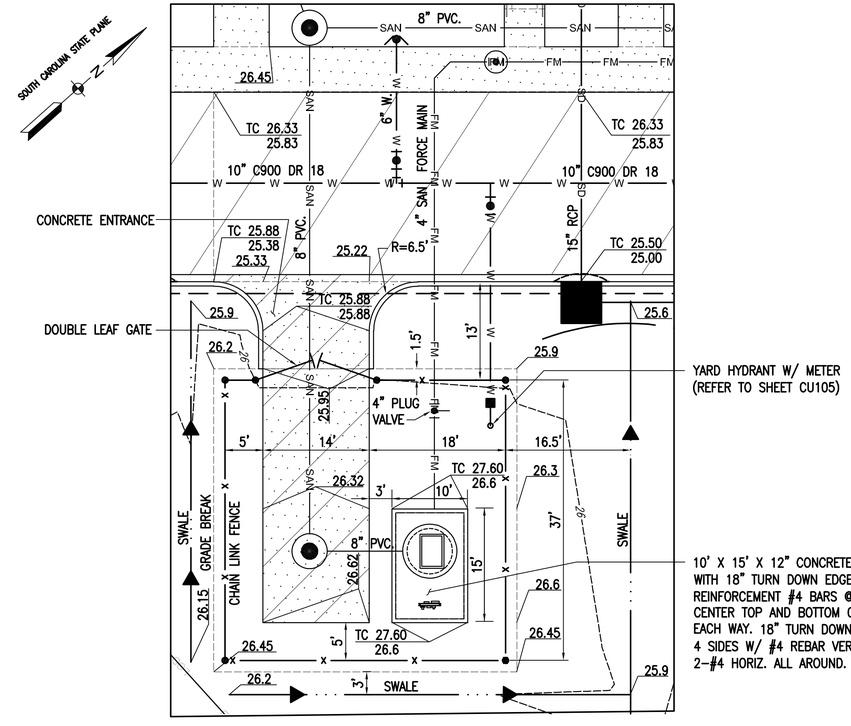
C3 PS SITE PLAN

BEAUFORT JASPER WATER & SEWER AUTHORITY DETAIL S-12
N.T.S.



A1 PUMP STATION FENCING DETAIL

BEAUFORT JASPER WATER & SEWER AUTHORITY DETAIL S-15
N.T.S.



A3 PUMP STATION SITE SPECIFIC LAYOUT

REFER TO SHEETS CS101, CG101 AND CU101 FOR ADDITIONAL INFORMATION.
N.T.S.

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

NAVFAC

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

SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 11/21/2022

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

SATISFACTORY TO DATE 12/15/2022

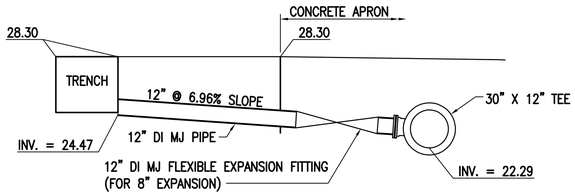
DES CAB	DRW CAD CHK ALB
PM/DM	KTB/RLH
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	EJA
FIRE PROTECTION	DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
DO CODE
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS
BJWSA DETAILS

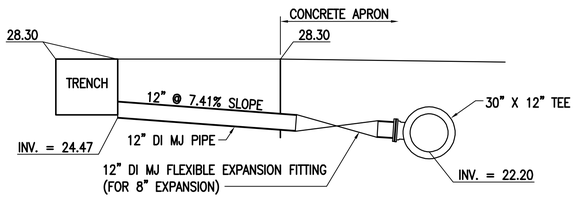
SCALE: NONE
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871442
SHEET 1347 OF 1412
CU510X

DRAWFORM REVISION: 25 AUGUST 2020

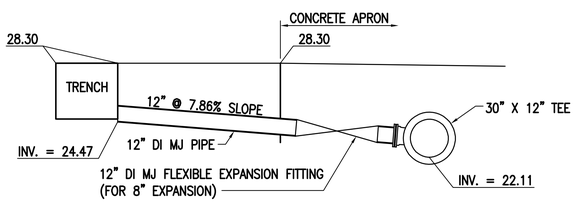
FILE NAME: K:\Jobs\20021\BJWSA 10-02-25\BLDG-P475-1363603-CU510X - Volume 6.dwg LAYOUT NAME: CU510 PLOTTED: Monday, November 10, 2025 - 1:33pm USER: mtw



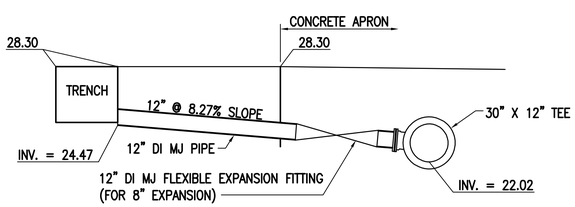
D1 CONNECTION 3 TO 4 SECTION
SCALE: 1" = 5'



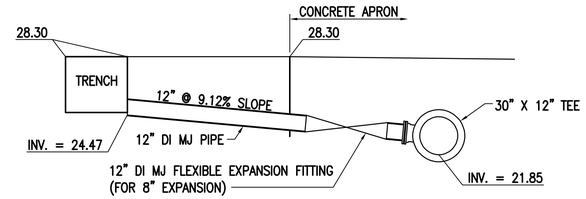
C1 CONNECTION 5 TO 6 SECTION
SCALE: 1" = 5'



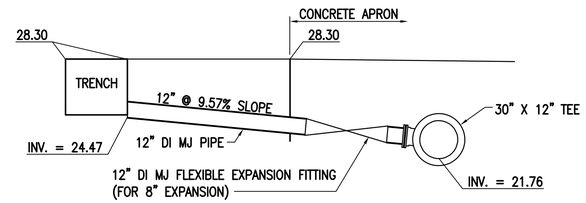
B1 CONNECTION 7 TO 8 SECTION
SCALE: 1" = 5'



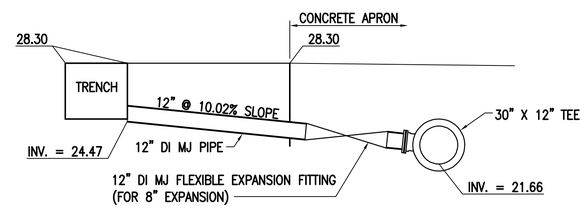
A1 CONNECTION 9 TO 10 SECTION
SCALE: 1" = 5'



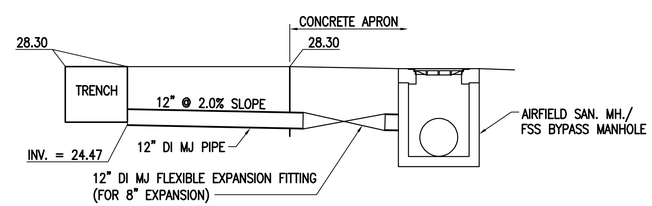
D3 CONNECTION 13 TO 14 SECTION
SCALE: 1" = 5'



C3 CONNECTION 15 TO 16 SECTION
SCALE: 1" = 5'



B3 CONNECTION 17 TO 18 SECTION
SCALE: 1" = 5'



A3 MANHOLE CONNECTION 1 TO 2 SECTION
MANHOLE CONNECTION 11 TO 12 SECTION
MANHOLE CONNECTION 19 TO 20 SECTION
SCALE: 1" = 5'

GENERAL NOTES

1. REFER TO PLUMBING DRAWING FOR FINAL INVERT ELEVATIONS.

GRAPHIC SCALE

1" = 5' 0 5' 10' 15' 20'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW L. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 11/21/2022

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	DLB
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 CODE
MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 6
SITE BASE BID AND ADDITIONAL OPTIONS

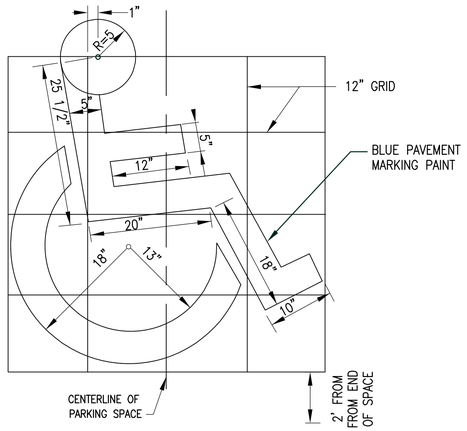
FIRE SUPPRESSION SECTIONS

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871443
SHEET 1348 OF 1412

CU511X

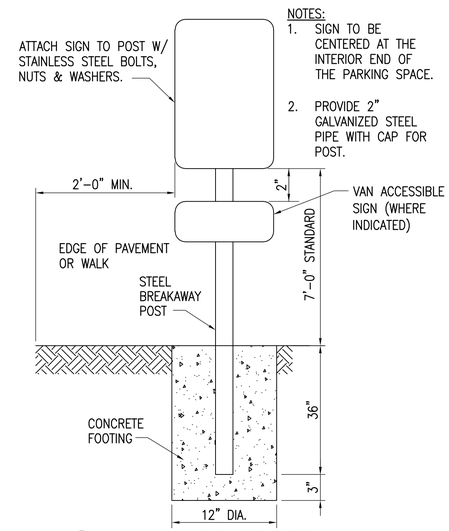
DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\jobs\20021\BJMSA 10-02-25\BIDC-P475-1363603-CU511X - Volume 6.dwg LAYOUT NAME: CU511X PLOTTED: Tuesday, November 11, 2025 - 1:47pm USER: mtw



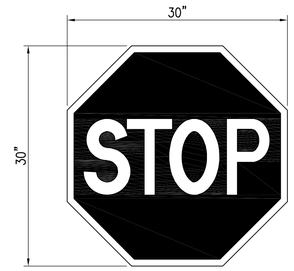
C1 ACCESSIBLE PARKING SYMBOL
N.T.S.

D3 HANDICAP PARKING SIGN
N.T.S
(12" X 18")



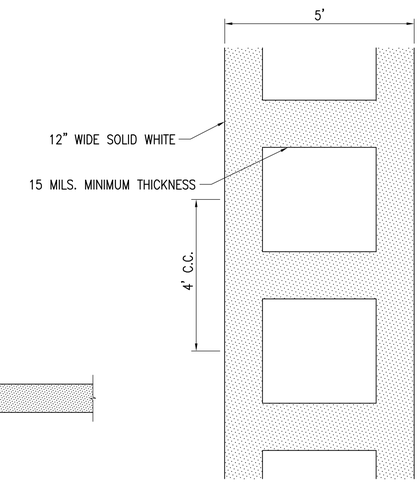
NOTES:
1. SIGN TO BE CENTERED AT THE INTERIOR END OF THE PARKING SPACE.
2. PROVIDE 2" GALVANIZED STEEL PIPE WITH CAP FOR POST.

D4 SIGN SUPPORT DETAIL
N.T.S.

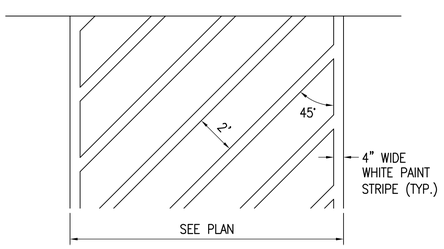


D5 STOP SIGN (R1-1)
N.T.S

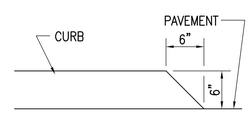
C3 VAN ACCESSIBLE "B" (MUTCD R7-8A)
N.T.S
(18" X 9")



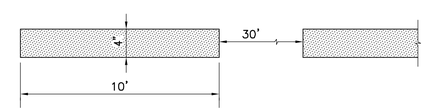
B5 PEDESTRIAN CROSSWALK
(WHITE RETROREFLECTIVE PAINT)
N.T.S.



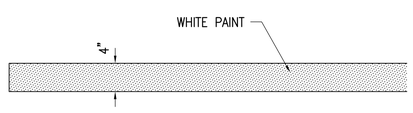
B1 PAINTED ISLAND
N.T.S.



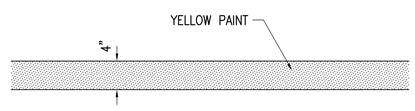
B3 CURB WIPEDOWN
N.T.S.



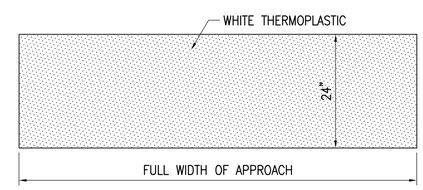
B4 LANE LINE
(WHITE RETROREFLECTIVE PAINT)
N.T.S.



A1 4" WHITE PAINT LINE
N.T.S.



A2 4" YELLOW PAINT LINE
(WHITE THERMOPLASTIC PAVEMENT MARKING MATERIAL)
N.T.S.



A4 STOP BAR MARKING DETAIL
(WHITE PAVEMENT MARKING MATERIAL)
N.T.S.

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

NAVFAC

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

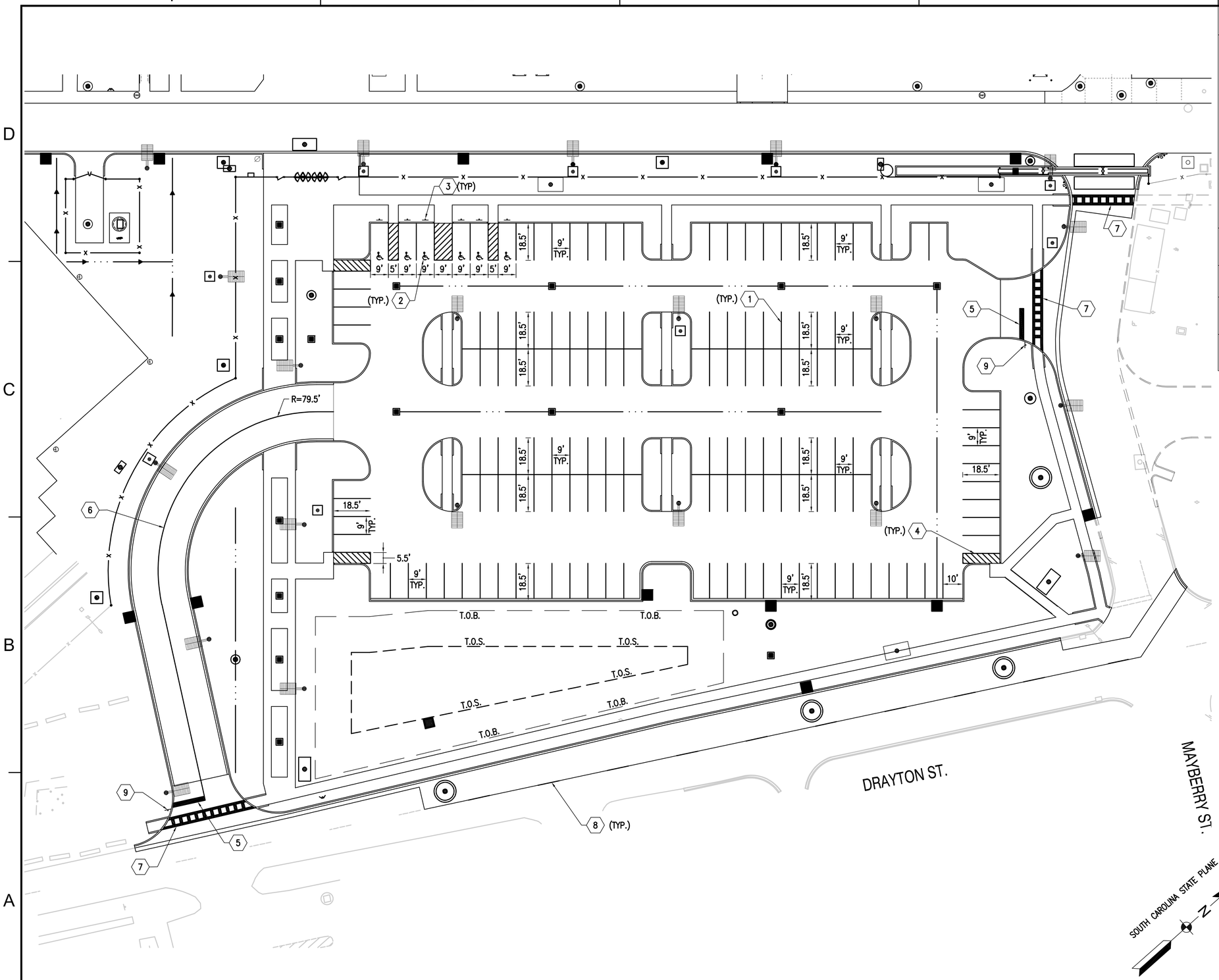
SATISFACTORY TO	DATE 12/15/2022		
DES CAB	DRW CAD	CHK	ALB
PM/DM	KTB/RLH		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	EJA		
FIRE PROTECTION	DSN		

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 6
SITE BASE BID AND ADDITIONAL OPTIONS
DETAILS

SCALE: NONE
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871444
SHEET 1349 OF 1412
CS512X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BMSA 10-02-25\BLDG-P475-1363603-CS512X - Volume 6.dwg LAYOUT NAME: CS512X PLOTTED: Monday, November 10, 2025 - 1:29pm USER: mtw



SITE IMPROVEMENT NOTES (THIS SHEET ONLY)

1. 4" WHITE PAINT LINE (REFER TO DETAIL CS512X/A1)
2. HANDICAP PARKING SYMBOL (REFER TO DETAIL CS512X/C1)
3. HANDICAP PARKING SIGN (REFER TO DETAIL CS512X/D3 & D4)
4. PAINTED ISLAND (REFER TO DETAIL CS512X/B1)
5. STOP BAR (REFER TO DETAIL CS512X/A4)
6. 4" YELLOW CENTER LINE (REFER TO DETAIL CS512X/A2)
7. PEDESTRIAN CROSSWALK (REFER TO DETAIL CS512X/B5)
8. 4" WIDE LANE LINE (REFER TO DETAIL CS512X/B4)
9. STOP SIGN (REFER TO DETAIL CS512X/D4 & D5)

SITE IMPROVEMENT GENERAL NOTES

1. PROVIDE MARKINGS INDICATED.

SHEET NOTES

1. REFER TO C-005X FOR OVERALL SITE PLAN

GRAPHIC SCALE

1" = 25' 0 25' 50' 75' 100'

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

NAVFAC

SOUTH CAROLINA No. 23067 01/13/23 ANDREW L. BAMFORTH SEAL

BAMFORTH ENGINEERS + SURVEYORS

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 15/01/2025

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	DLB
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 6
SITE BASE BID AND ADDITIONAL OPTIONS

ROAD AND PARKING LOT MARKING LAYOUT PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12871445
SHEET 1350 OF 1412

CP106X

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: K:\Jobs\20021\BJMSA 10-02-25\BLDG-P475-1363603-CP106X - Volume 6.dwg LAYOUT NAME: CP106X PLOTTED: Monday, November 10, 2025 - 1:29pm USER: mtw