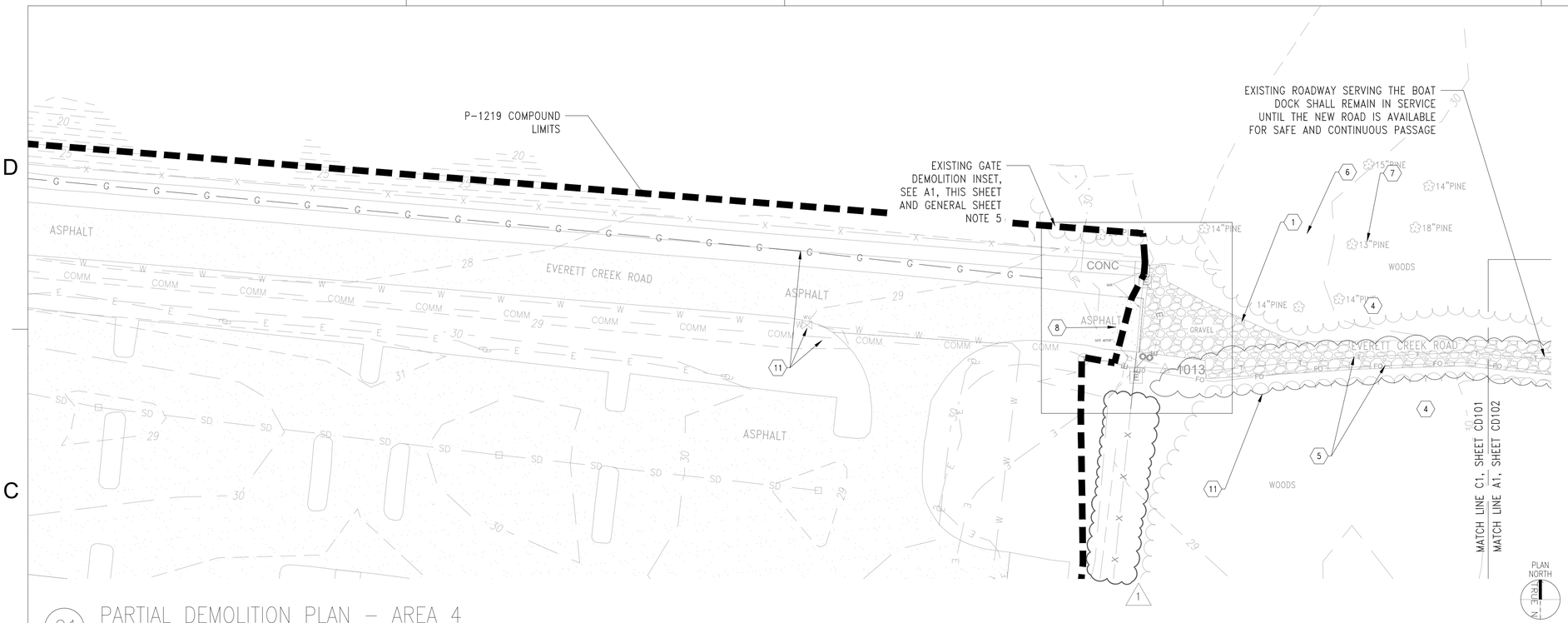
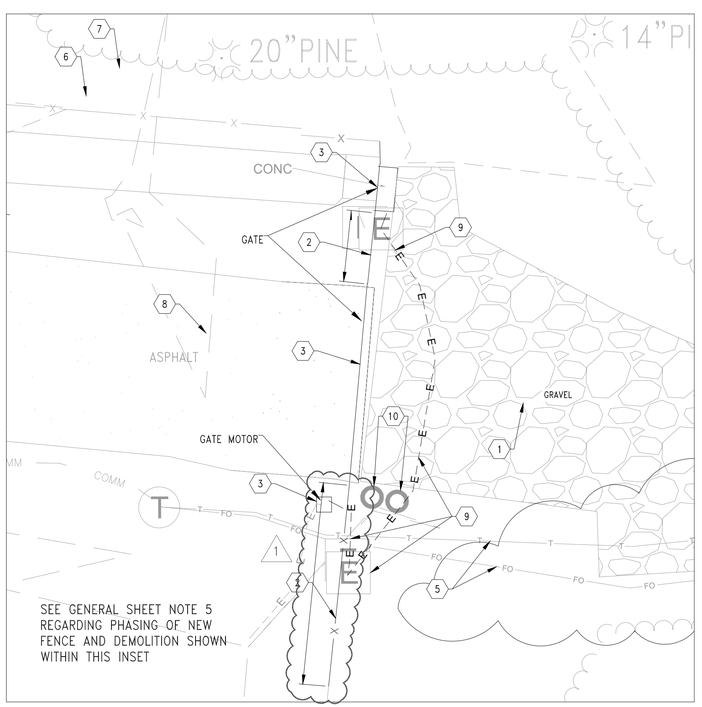


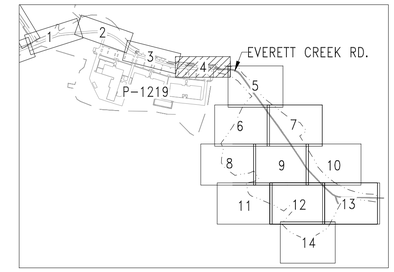
C1 PARTIAL DEMOLITION PLAN – AREA 4

SCALE: 1" = 30'



A1 EXISTING GATE DEMOLITION INSET

SCALE: 1" = 10'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CD100 FOR GENERAL DEMOLITION NOTES.
3. DEMOLITION IS NOT ANTICIPATED IN AREAS 1–3 AND PARTS OF AREA 4 AS INDICATED.
4. CONTRACTOR MUST NOT DEMOLISH THE EXISTING PERIMETER FENCE, GATE OR TURNSTILE UNTIL NEW PERIMETER FENCE HAS BEEN SUCCESSFULLY INSTALLED IN ITS ENTIRETY.

KEY NOTES (1) :

1. DEMOLISH EXISTING GRAVEL ROAD.
2. DEMOLISH EXISTING 7' CHAIN LINK FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER.
3. DEMOLISH EXISTING MOTORIZED GATE AND TURNSTILE.
4. CLEAR AND GRUB ALL TREES/SHRUBS WITHIN THE LIMIT OF DISTURBANCE. TYPICAL.
5. EXISTING COMMUNICATION LINES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL LINES DAMAGED DURING CONSTRUCTION, TO INCLUDE LABOR, MATERIALS AND TESTING.
6. LIMITS OF DISTURBANCE.
7. PROJECT LIMITS.
8. 1.5" X 45' X FULL WIDTH HEAVY DUTY ASPHALT PAVEMENT MILL.
9. DEMOLISH ELECTRICAL LINE AND ELECTRICAL BOX.
10. DEMOLISH BOLLARDS.
11. PROTECT EXISTING UTILITIES WITHIN THE LIMIT OF DISTURBANCE.
12. AREA OF EXISTING UNDERGROUND ELECTRICAL AND FIBER OPTIC THAT HAVE SHALLOW COVERAGE OR MAY BE EXPOSED DURING CONSTRUCTION. CONTRACTOR MUST PROTECT AND KEEP OPERATIONAL THROUGHOUT CONSTRUCTION UNTIL NEW COMM DUCT BANK IS INSTALLED AND OPERATIONAL, ONLY THEN CAN THE EXISTING LINES BE REMOVED.

SYM	DESCRIPTION	DATE	APPR
1	FENCE ADDED TO DEMO PLANS	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB
PM/DM	SGL/MDM				
BRANCH MANAGER	DLB				
CHIEF ENG/ARCH	JWJ				
FIRE PROTECTION	HPN				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL DEMOLITION PLAN – AREA 4

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902870
SHEET	53 OF 262

CD101

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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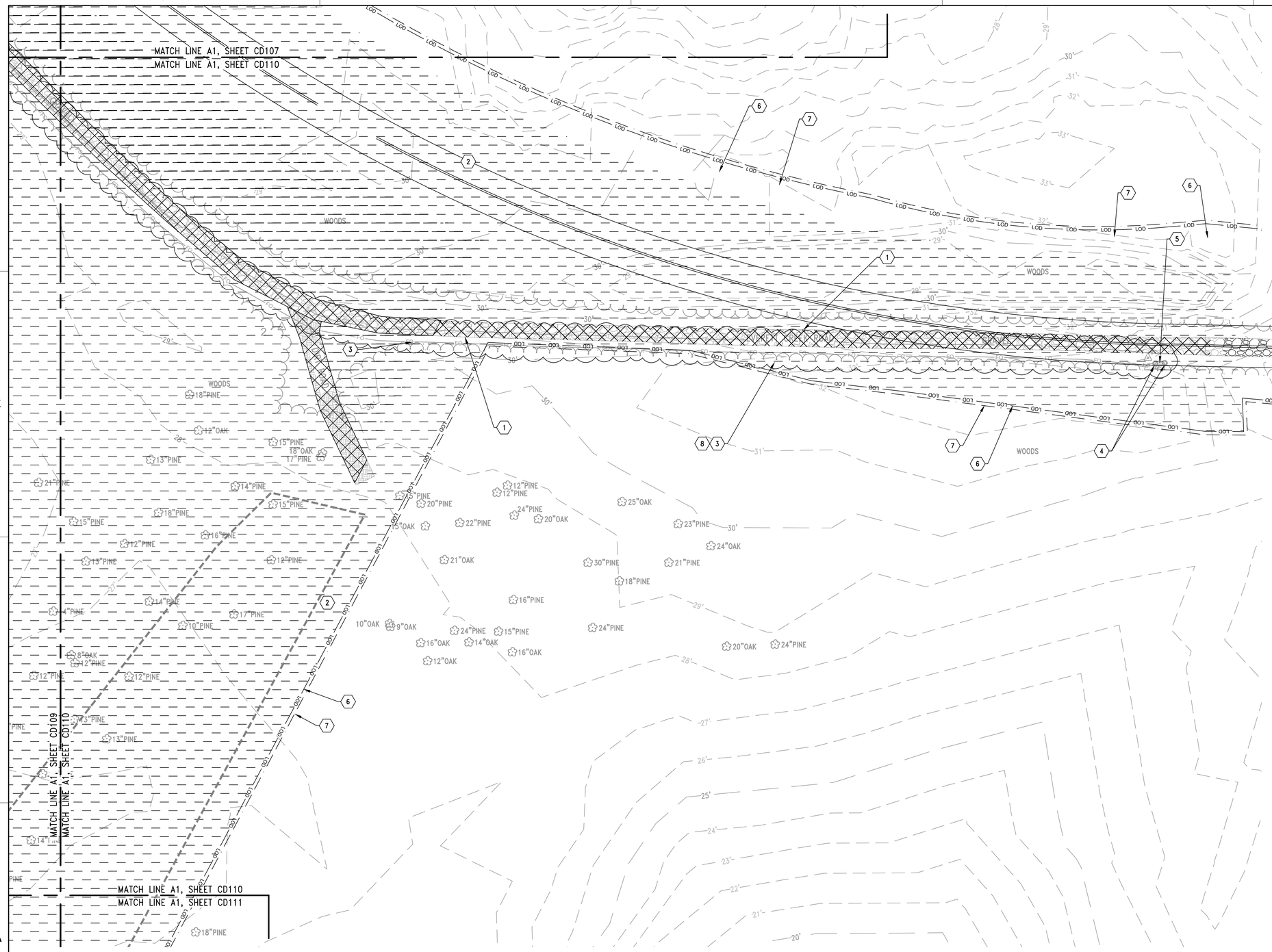
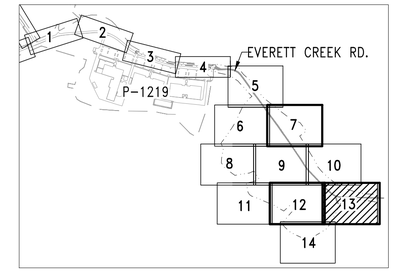
2026/06/01 12:25 PM By: Garcia, Jonathan (Atlanta)



A1 PARTIAL DEMOLITION PLAN – AREA 13

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CD100 FOR GENERAL DEMOLITION NOTES.
3. COORDINATE DEMOLITION OF EXISTING JUNCTION BOX WITH INSTALLATION OF TELECOMMUNICATIONS. (1)

KEY NOTES (1) :

1. DEMOLISH EXISTING GRAVEL ROAD.
2. CLEAR AND GRUB ALL TREES/SHRUBS WITHIN THE LIMIT OF DISTURBANCE, TYPICAL.
3. EXISTING COMMUNICATION LINES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL LINES DAMAGED DURING CONSTRUCTION, TO INCLUDE LABOR, MATERIALS AND TESTING.
4. REMOVE EXISTING BOLLARDS.
5. EXISTING CABLE HAND HOLE TO BE REMOVED AFTER TELECOMMUNICATION LINE IS INSTALLED. REFER TO TELECOMMUNICATION SHEET TS113.
6. LIMITS OF DISTURBANCE.
7. PROJECT LIMITS.
8. AREA OF EXISTING UNDERGROUND ELECTRICAL AND FIBER OPTIC THAT HAVE SHALLOW COVERAGE OR MAY BE EXPOSED DURING CONSTRUCTION. CONTRACTOR MUST PROTECT AND KEEP OPERATIONAL THROUGHOUT CONSTRUCTION UNTIL NEW COMM DUCT BANK IS INSTALLED AND OPERATIONAL, ONLY THEN CAN THE EXISTING LINES BE REMOVED.

SYM	DESCRIPTION	DATE	APPR
1	COORDINATION NOTES ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL DEMOLITION PLAN – AREA 13

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902879
SHEET	62 OF 262

CD110

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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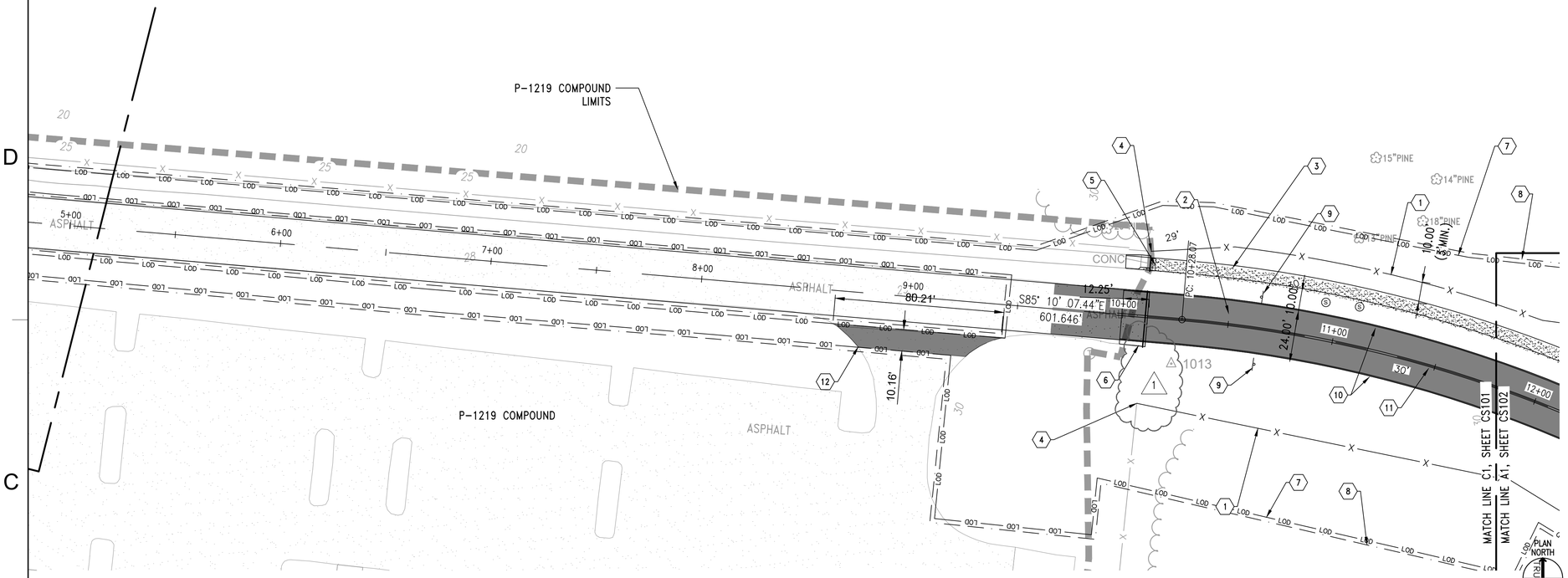
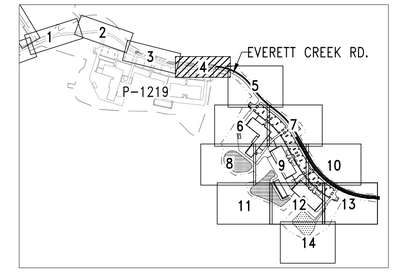


C1 PARTIAL SITE PLAN – AREA 4

SCALE: 1" = 30'

0 30' 60'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CS100 FOR GENERAL SITE PLAN NOTES.
3. ALL NEW PERIMETER SECURITY FENCE DEPICTED ON SHEETS CS101 THROUGH CS110, INCLUDING THE NEW SLIDING GATE ON CS110, MUST BE INSTALLED BEFORE REMOVAL OF THE EXISTING FENCE AND GATE CLOSURE OF EVERETT CREEK ROAD ON SHEET CD101.

KEY NOTES (1) :

1. 7' CHAIN LINK PERIMETER FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER, A1/C-512.
2. HEAVY DUTY ASPHALT PAVEMENT, D2/C-511.
3. 6' ASPHALT JOGGING TRAIL, A4/C-511.
4. TIE TO EXISTING PERIMETER FENCE WITH END OR GATE POST DETAIL, A1/C-512.
5. TRANSITION EXISTING ASPHALT TRAIL TO PROPOSED ASPHALT TRAIL, C3/C-516.
6. 1.5" X 12.25' X FULL WIDTH HEAVY DUTY ASPHALT MILL AND OVERLAY TO TIE INTO EXISTING ASPHALT PAVEMENT, C3/C-516. SEE GENERAL NOTE 3.
7. LIMITS OF DISTURBANCE.
8. PROJECT LIMITS.
9. INSTALL 25 MPH SPEED LIMIT SIGN, C2/C-516.
10. INSTALL 4", THERMOPLASTIC WHITE EDGE LINES, A3/C-511.
11. INSTALL 4", THERMOPLASTIC DOUBLE YELLOW LINES, A3/C-511.
12. ASPHALT PAVEMENT PATCH, C1/C-515.

SYM	DESCRIPTION	DATE	APPR
1	FENCE STUB MOVED TO DEMO	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW JG	CHK MDB
PM/DM			SGL/MDM
BRANCH MANAGER			DLB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
IPT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL SITE PLAN – AREA 4

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902882
SHEET	65 OF 262

CS101

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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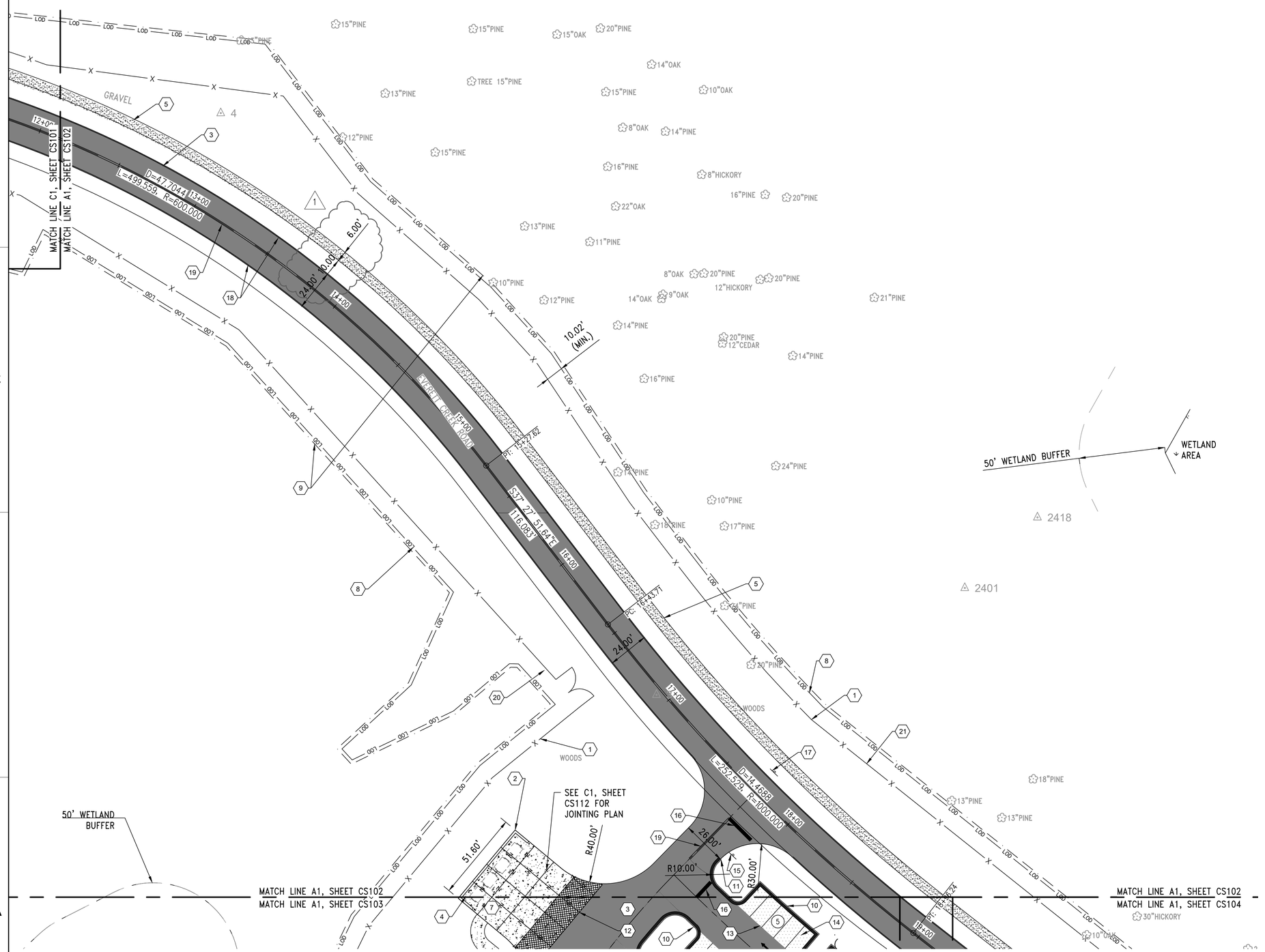
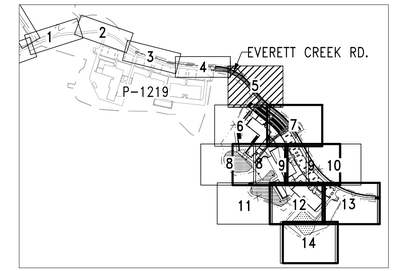


A1 PARTIAL SITE PLAN – AREA 5

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CS100 FOR GENERAL SITE PLAN NOTES.

KEY NOTES (1) :

1. 7' CHAIN LINK PERIMETER FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER, A1/C-512.
2. DUMPSTER PAD AREA WITH THREE SIDED MASONRY ENCLOSURE (SEE ARCHITECTURAL SHEETS FOR DETAILS).
3. HEAVY DUTY ASPHALT PAVEMENT, D2/C-511.
4. PROTECTIVE BOLLARD, C3/C-511, TYPICAL OF 12.
5. 6' ASPHALT JOGGING TRAIL, A4/C-511.
6. NOT USED.
7. DUMPSTER CONCRETE PAVEMENT, A5/C-511.
8. LIMITS OF DISTURBANCE.
9. PROJECT LIMITS.
10. CONCRETE SPILL CURB & GUTTER, C4/C-514.
11. CURB TAPER D3/C-514.
12. TIE CONCRETE PAVEMENT TO ASPHALT PAVEMENT, A2/C-516.
13. REGULAR PARKING STALL, C2/C-517.
14. LIGHT DUTY ASPHALT PAVEMENT, D1/C-511.
15. STOP SIGN, C2/C-516.
16. INSTALL NEW SPEED LIMIT SHEETS SIGN AND POST STOP BAR, A3/C-511.
17. TWO WAY DIRECTION ARROW SIGN, C2/C-516.
18. INSTALL 4" THERMOPLASTIC WHITE EDGE LINES, A3/C-511.
19. INSTALL 4" THERMOPLASTIC DOUBLE YELLOW LINES, A3/C-511.
20. 10' DOUBLE SWING GATE FOR MAINTENANCE ACCESS, A2/C-518.
21. 10' MINIMUM CLEARANCE OUTSIDE OF THE FENCE LINE.

SYM	DESCRIPTION	DATE	APPR
1	10' CLEARANCE ANNOTATION ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL SITE PLAN – AREA 5

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902883
SHEET	66 OF 262

CS102

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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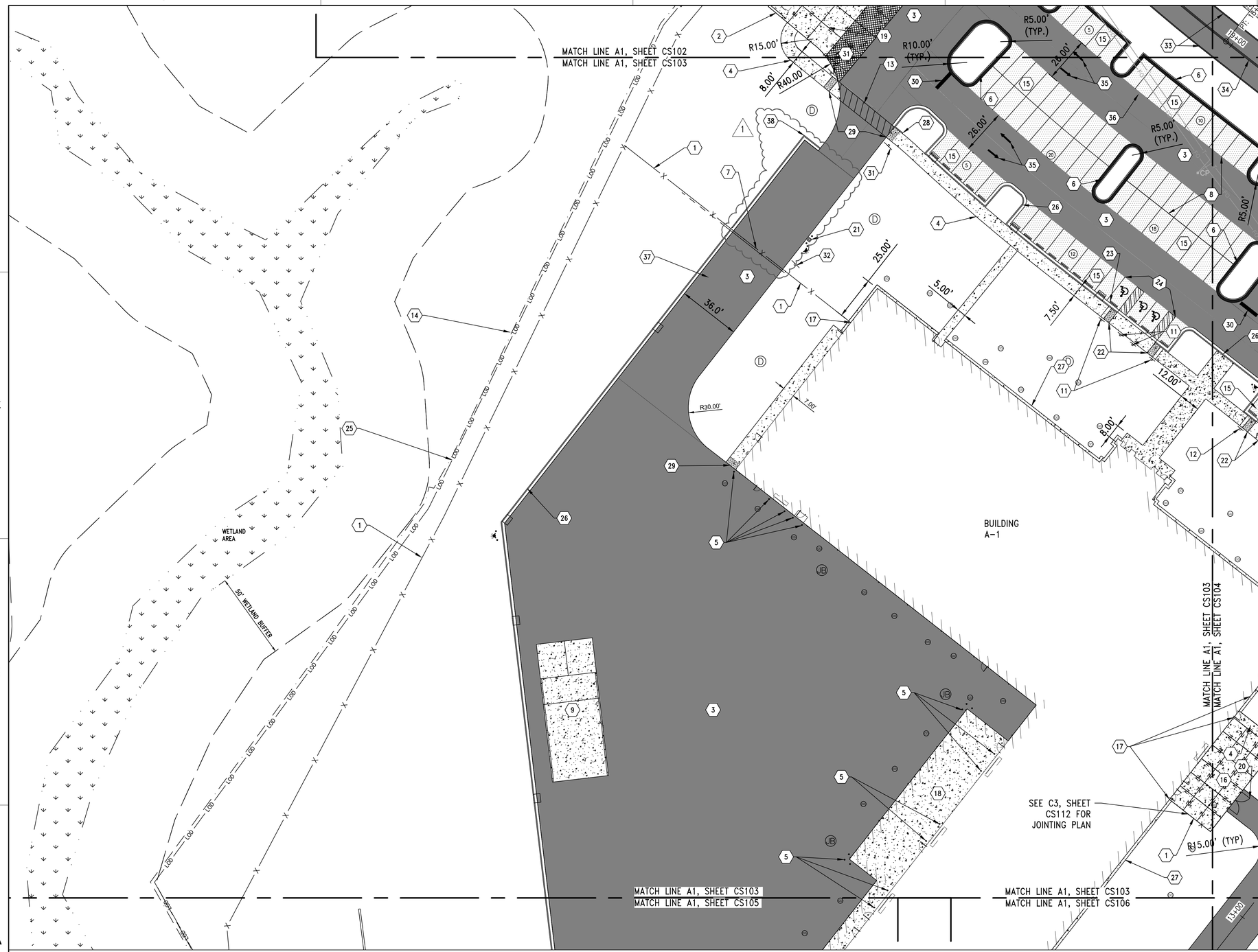
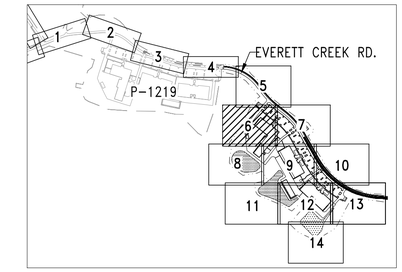


A1 PARTIAL SITE PLAN – AREA 6

SCALE: 1" = 30'

PLAN NORTH TRUE N

0 30' 60'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CS100 FOR GENERAL SITE PLAN NOTES.

KEY NOTES (1):

1. 7' CHAIN LINK PERIMETER FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER, A1/C-512.
2. DUMPSTER PAD AREA WITH THREE SIDED MASONRY ENCLOSURE (SEE A-101 FOR DETAILS).
3. HEAVY DUTY ASPHALT PAVEMENT, D2/C-511.
4. CONCRETE SIDEWALK, B4/C-511.
5. PROTECTIVE BOLLARD, C3/C-511, TYPICAL OF 17.
6. CONCRETE SPILL CURB & GUTTER, C4/C-514.
7. 30' VEHICLE SLIDING GATE WITH CARD READER, A1/C-515.
8. REGULAR PARKING STALL, C2/C-517.
9. EXTERNAL CONCRETE LOADING DOCK (SEE S-101 FOR DETAILS).
10. NOT USED.
11. ABA PARKING SIGN, A2/C-511.
12. ABA PARKING VAN ACCESSIBLE SIGN, A2/C-511.
13. PEDESTRIAN CROSSWALK B3/C-511.
14. PROJECT LIMITS.
15. LIGHT DUTY ASPHALT PAVEMENT, D1/C-511.
16. HEAVY DUTY CONCRETE PAD C2/C-511.
17. BUILDING TO FENCE SPACING, SEE A1/C-512.
18. HEAVY DUTY CONCRETE LOADING DOCK AREA (SEE STRUCTURAL PLANS).
19. DUMPSTER CONCRETE PAVEMENT, A5/C-511.
20. (2) 6' MANUAL DOUBLE SWING GATES, A2/C-518.
21. CARD READER WITH 18" X 18" X 4" CONCRETE BASE.
22. ADA ACCESSIBLE RAMP WITH DETECTABLE WARNING STRIP, A1/C-514, A4/C-514.
23. CONCRETE WHEEL STOP, A1/C-511.
24. ABA REGULAR PARKING, C4/C-517.
25. LIMITS OF DISTURBANCE.
26. CONCRETE STANDARD CURB AND GUTTER, C4/C-514.
27. 1.5' WIDE CONCRETE MOW STRIP, B4/C-516.
28. CURB TAPER, D3/C-514.
29. ABA DETECTABLE WARNING STRIP, A1/C-514.
30. INSTALL NEW SPEED LIMIT SHEET SIGN AND POST STOP BAR, A3/C-511.
31. PEDESTRIAN CROSSING SIGN, C2/C-516.
32. AUTHORIZED VEHICLE ONLY SIGN, C2/C-516.
33. INSTALL 4", THERMOPLASTIC WHITE EDGE LINES, A3/C-511.
34. INSTALL 4", THERMOPLASTIC DOUBLE YELLOW LINES, A3/C-511.
35. INSTALL NEW SPEED LIMIT SHEET SIGN AND POST WHITE DIRECTIONAL ARROW, A3/C-511.
36. AREA OF EXISTING UNDERGROUND ELECTRICAL AND FIBER OPTIC THAT HAVE SHALLOW COVERAGE OR MAY BE EXPOSED DURING CONSTRUCTION. CONTRACTOR MUST PROTECT AND KEEP OPERATIONAL THROUGHOUT CONSTRUCTION.
37. MAGNETIC STRIP TO ACTIVATE AUTOMATIC GATE COORDINATE WITH CONTRACTING OFFICER FOR LOCATION
38. CURB TAPER SEE DETAIL D3/C-514

SYM	DESCRIPTION	DATE	APPR
1	NOTE FOR CURB TAPER ADDED	04JUN2020	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2020 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
1FT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL SITE PLAN – AREA 6

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902884
SHEET	67 OF 262

CS103

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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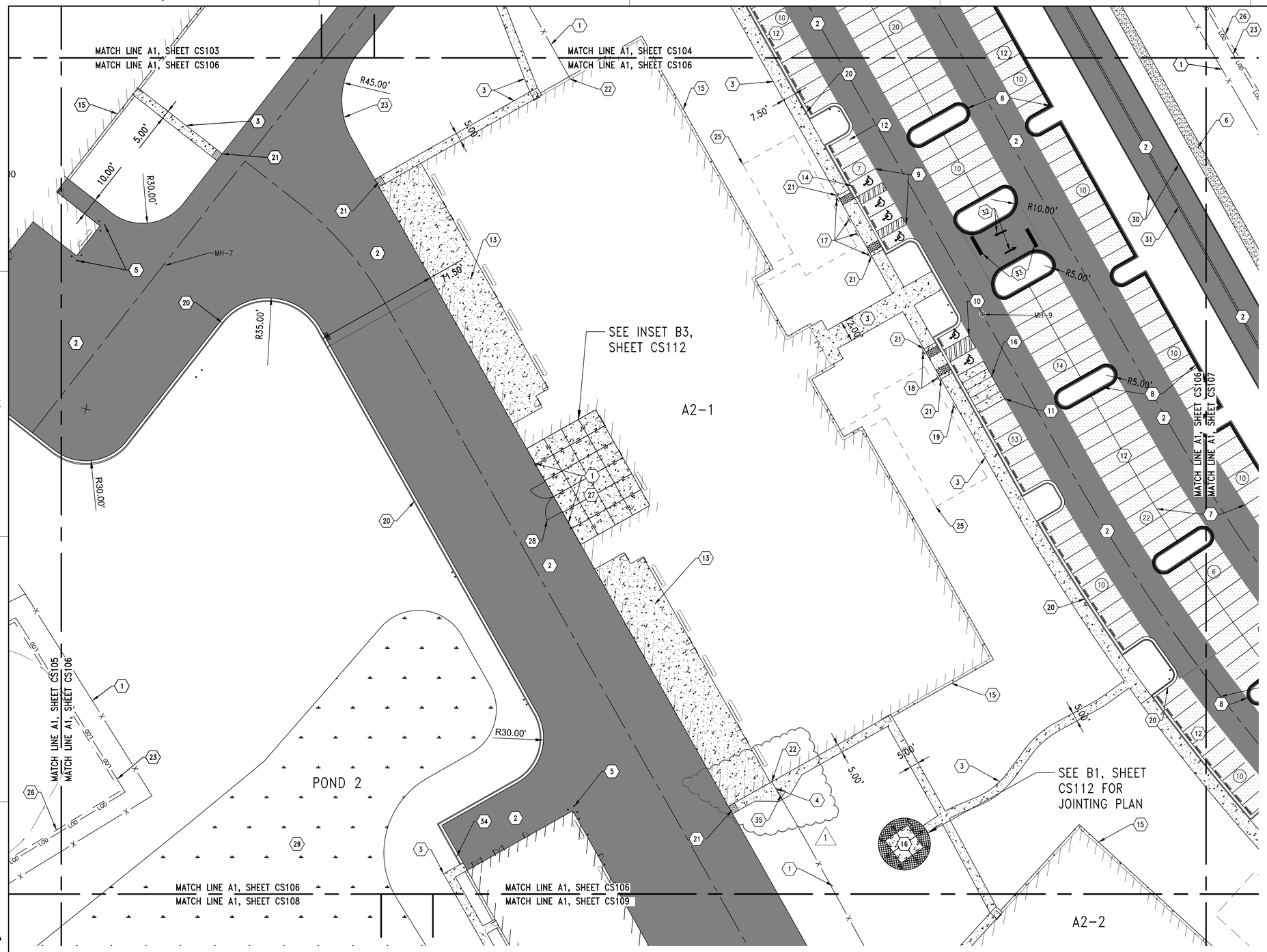
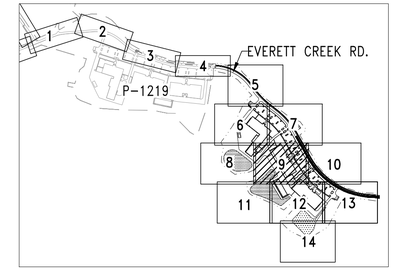


A1 PARTIAL SITE PLAN – AREA 9

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CS100 FOR GENERAL SITE PLAN NOTES.

KEY NOTES (1):

1. 7' CHAIN LINK SECURITY FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER, A1/C-512.
2. HEAVY DUTY ASPHALT PAVEMENT, D2/C-511.
3. CONCRETE SIDEWALK, B4/C-511.
4. CARD ACTIVATED TURNSTILE, A1/C-513.
5. PROTECTIVE BOLLARD, C3/C-511, TYPICAL OF 17.
6. 6' ASPHALT JOGGING TRAIL, A4/C-511.
7. REGULAR PARKING STALL, C2/C-517.
8. CONCRETE SPILL CURB & GUTTER, C4/C-514.
9. ABA PARKING REGULAR, C4/C-517.
10. ABA PARKING VAN ACCESSIBLE, C3/C-517.
11. MOTORCYCLE PARKING. TYPICAL, C1/C-517.
12. LIGHT DUTY ASPHALT PAVEMENT, D1/C-511.
13. HEAVY DUTY CONCRETE LOADING DOCK AREA (SEE STRUCTURAL PLANS).
14. WHEEL STOPS, A1/C-511, TYPICAL OF 6.
15. 1.5' WIDE CONCRETE MOW STRIP, B4/C-516.
16. LIGHT CONCRETE PAVEMENT, C2/C-511.
17. ABA PARKING SIGN, A2/C-511.
18. ABA VAN ACCESSIBLE PARKING SIGN, C2/C-516.
19. MOTORCYCLE PARKING SIGN, C2/C-516.
20. CONCRETE STANDARD CURB & GUTTER, C4/C-514.
21. ABA RAMP WITH DETECTIBLE WARNING STRIP, A1/C-514.
22. BUILDING TO FENCE SPACING, A1/C-512.
23. LIMITS OF DISTURBANCE.
24. NOT USED.
25. FUTURE BUILDING EXPANSION FOOTPRINT.
26. PROJECT LIMITS.
27. HEAVY DUTY CONCRETE PAD, C2/C-511.
28. 10' MANUAL DOUBLE SWING GATE, A1/C-518.
29. STORMWATER CONTROL MEASURE BUILDING A2-1, A1/C-532.
30. INSTALL 4", THERMOPLASTIC WHITE EDGE LINES, A3/C-511.
31. INSTALL 4", THERMOPLASTIC DOUBLE YELLOW LINES, A3/C-511.
32. WHITE DIRECTIONAL ARROW, A3/C-511.
33. STOP BAR, A3/C511.
34. CURB TAPER SEE DETAIL D3/C-514
35. 5' ABA GATE. SEE DETAIL A2/C-518

SYM	DESCRIPTION	DATE	APPR
1	ADDED ABA GATE TO SIDEWALK	04JUN2020	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2020 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2020

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
IPT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL SITE PLAN – AREA 9

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902887
SHEET	70 OF 262

CS106

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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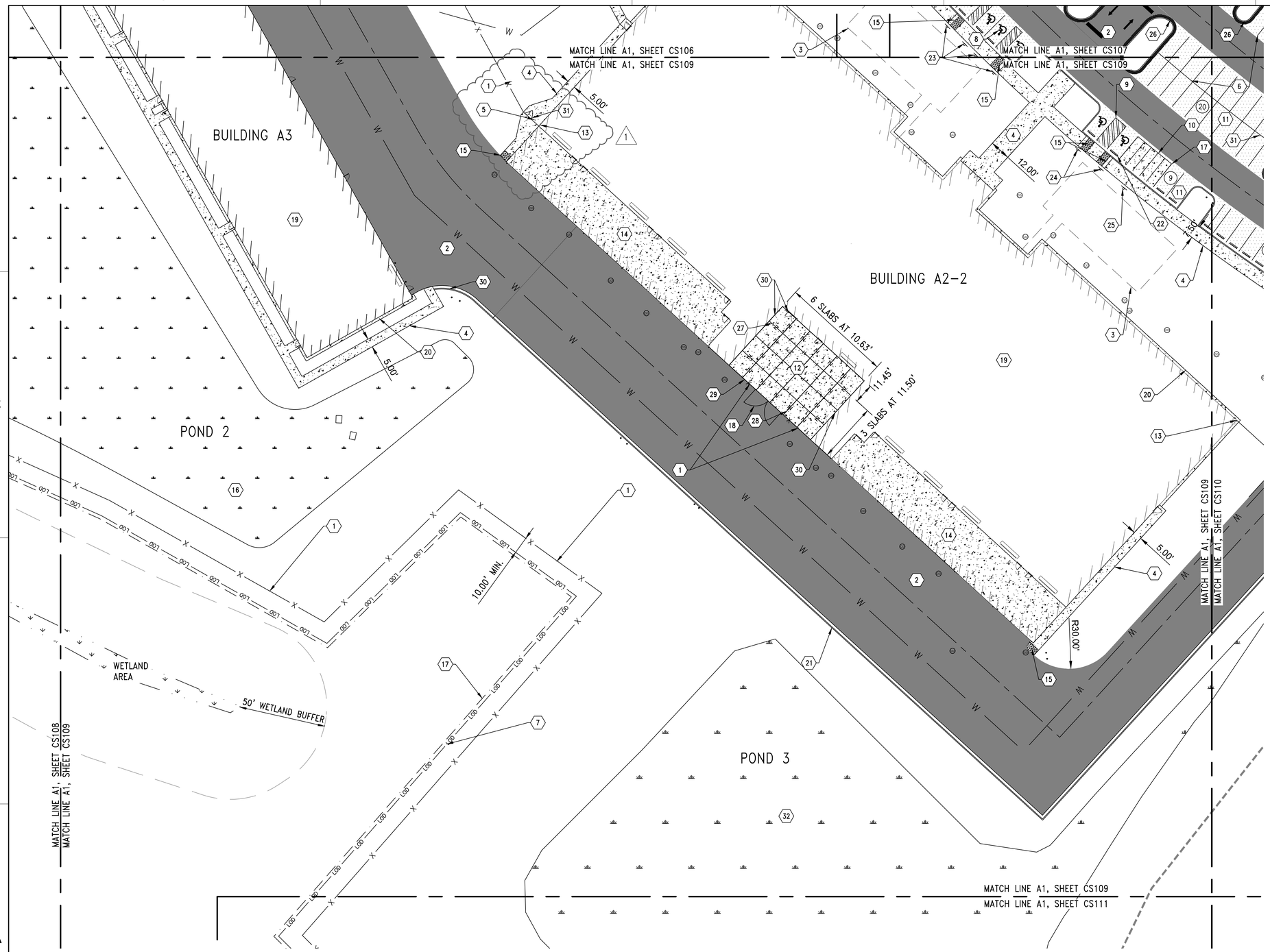
2020/06/01 12:44 PM By: Garcia, Jonathan (Atlanta)

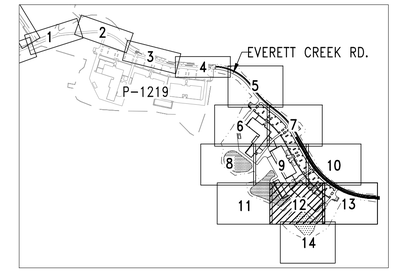


A1 PARTIAL SITE PLAN – AREA 12

SCALE: 1" = 30'

PLAN NORTH
TRUE N

0 30' 60'



KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CS100 FOR GENERAL SITE PLAN NOTES.

KEY NOTES (1):

1. 7' CHAIN LINK PERIMETER FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER, A1/C-512.
2. HEAVY DUTY ASPHALT PAVEMENT, D2/C-511.
3. PROPOSED FOOTPRINT FOR FUTURE BUILDING EXPANSION.
4. CONCRETE SIDEWALK, B4/C-511.
5. CARD ACTIVATED TURNSTILE, A1/C-513.
6. REGULAR PARKING STALL, C2/C-517.
7. LIMITS OF DISTURBANCE.
8. ABA PARKING REGULAR, C4/C-517.
9. ABA PARKING VAN ACCESSIBLE, C3/C-517.
10. MOTORCYCLE PARKING, C1/C-517.
11. LIGHT DUTY ASPHALT PAVEMENT, D1/C-511.
12. HEAVY DUTY CONCRETE PAD, C2/C-511.
13. BUILDING TO FENCE SPACING, A1/C-512.
14. HEAVY DUTY CONCRETE LOADING DOCK AREA, C2/511.
15. ABA ACCESSIBLE RAMP WITH DETECTABLE WARNING STRIP, A4/C-514 AND A1/C-514.
16. STORMWATER CONTROL MEASURE, BUILDING A2-1 A1/C532.
17. PROJECT LIMITS.
18. 10' MANUAL DOUBLE SWING GATE, A1/C-518.
19. PROPOSED BUILDING SEE ARCHITECTURAL PLANS.
20. 1.5' CONCRETE MOW STRIP, B4/C-516.
21. CONCRETE STANDARD CURB AND GUTTER, C4/C-514.
22. CONCRETE WHEEL STOP, A1/C-511, TYPICAL OF 6.
23. ABA PARKING SIGN, A2/C-511.
24. ABA VAN ACCESSIBLE PARKING SIGN, C2/C-516.
25. MOTORCYCLE PARKING SIGN, C2/C-516.
26. CONCRETE SPILL CURB & GUTTER, C4/C-514.
27. A4/C-517 FOR REINFORCED CONCRETE.
28. NOT USED.
29. STORMWATER CONTROL MEASURE, BUILDING A2-2, A1/C-533
30. CURB TAPER SEE DETAIL D3/C-514
31. 5' ABA GATE. SEE DETAIL A2/C-518

SYM	DESCRIPTION	DATE	APPR
1	ADDED ABA GATE	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

Stantec

A/E INFO

APPROVED
Jeffrey D. Gladman, R.A.
FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW JG	CHK MDB
PM/DM			SGL/MDM
BRANCH MANAGER			DLB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL STATION - NORFOLK, VA
IPT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL SITE PLAN – AREA 12

SCALE: AS INDICATED
EPROJECT NO.: 1701820
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12902890
SHEET 73 OF 262

CS109

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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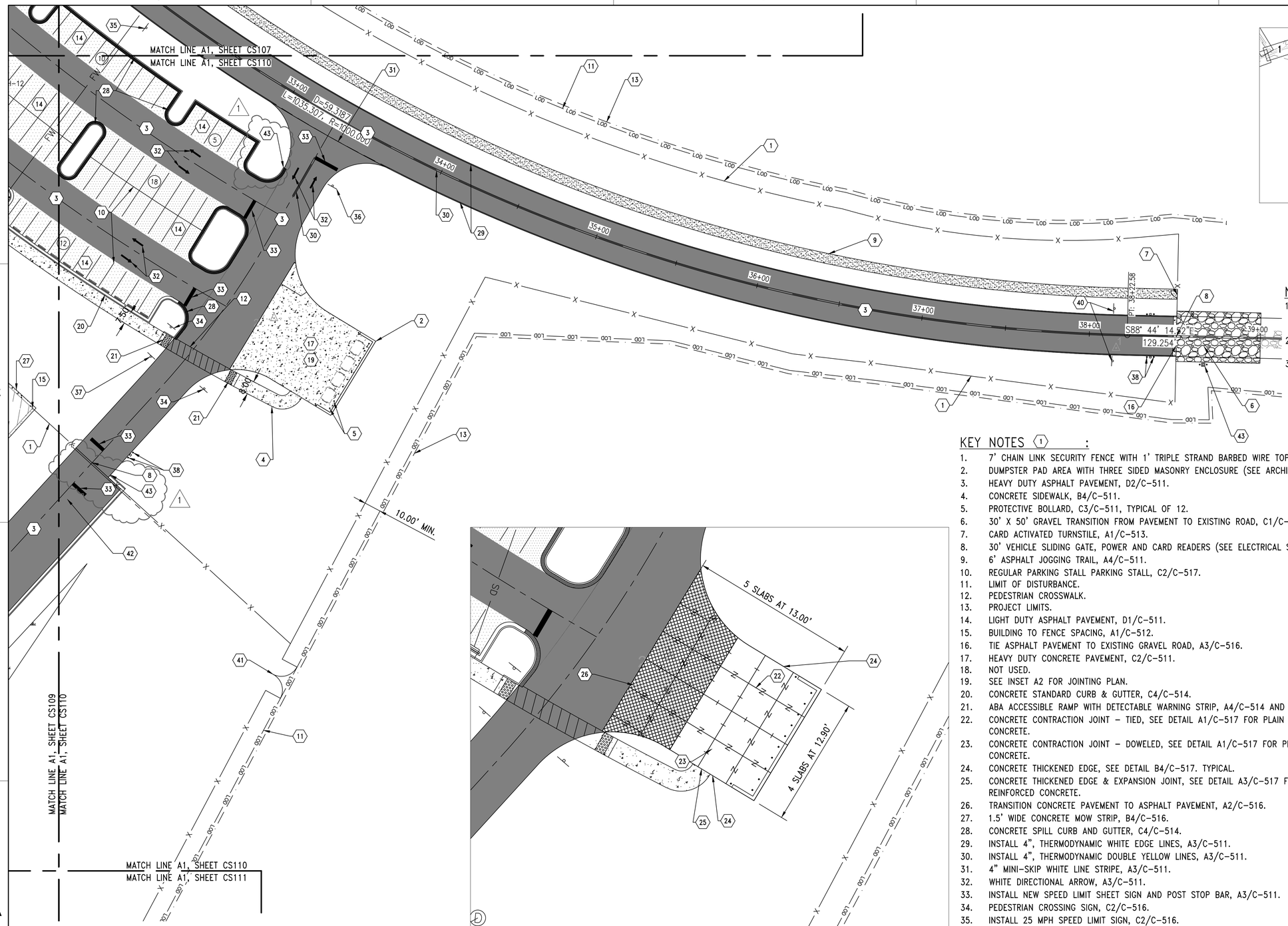
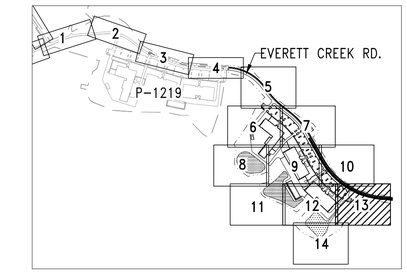


A1 PARTIAL SITE PLAN – AREA 13

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

A2 INSET – JOINTING PLAN

SCALE: 1" = 20'

PLAN NORTH TRUE N

0 30' 60'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CS100 FOR GENERAL SITE PLAN NOTES.
3. ALL NEW PERIMETER SECURITY FENCE DEPICTED ON SHEETS CS101 THROUGH CS110, INCLUDING THE NEW SLIDING GATE ON THIS SHEET, MUST BE INSTALLED BEFORE REMOVAL OF THE EXISTING FENCE AND GATE CLOSURE OF EVERETT ROAD ON SHEET CD101.

KEY NOTES (1) :

1. 7' CHAIN LINK SECURITY FENCE WITH 1' TRIPLE STRAND BARBED WIRE TOPPER, A1/C-512.
2. DUMPSTER PAD AREA WITH THREE SIDED MASONRY ENCLOSURE (SEE ARCHITECTURAL SHEETS FOR DETAILS).
3. HEAVY DUTY ASPHALT PAVEMENT, D2/C-511.
4. CONCRETE SIDEWALK, B4/C-511.
5. PROTECTIVE BOLLARD, C3/C-511, TYPICAL OF 12.
6. 30' X 50' GRAVEL TRANSITION FROM PAVEMENT TO EXISTING ROAD, C1/C-511.
7. CARD ACTIVATED TURNSTILE, A1/C-513.
8. 30' VEHICLE SLIDING GATE, POWER AND CARD READERS (SEE ELECTRICAL SHEETS FOR DETAILS). SEE GENERAL NOTE 3.
9. 6' ASPHALT JOGGING TRAIL, A4/C-511.
10. REGULAR PARKING STALL PARKING STALL, C2/C-517.
11. LIMIT OF DISTURBANCE.
12. PEDESTRIAN CROSSWALK.
13. PROJECT LIMITS.
14. LIGHT DUTY ASPHALT PAVEMENT, D1/C-511.
15. BUILDING TO FENCE SPACING, A1/C-512.
16. TIE ASPHALT PAVEMENT TO EXISTING GRAVEL ROAD, A3/C-516.
17. HEAVY DUTY CONCRETE PAVEMENT, C2/C-511.
18. NOT USED.
19. SEE INSET A2 FOR JOINTING PLAN.
20. CONCRETE STANDARD CURB & GUTTER, C4/C-514.
21. ABA ACCESSIBLE RAMP WITH DETECTABLE WARNING STRIP, A4/C-514 AND A1/C-514.
22. CONCRETE CONTRACTION JOINT – TIED, SEE DETAIL A1/C-517 FOR PLAIN CONCRETE AND DETAIL A2/C-517 FOR REINFORCED CONCRETE.
23. CONCRETE CONTRACTION JOINT – DOWELED, SEE DETAIL A1/C-517 FOR PLAIN CONCRETE AND DETAIL A2/C-517 FOR REINFORCED CONCRETE.
24. CONCRETE THICKENED EDGE, SEE DETAIL B4/C-517. TYPICAL.
25. CONCRETE THICKENED EDGE & EXPANSION JOINT, SEE DETAIL A3/C-517 FOR PLAIN CONCRETE AND DETAIL A4/C-517 FOR REINFORCED CONCRETE.
26. TRANSITION CONCRETE PAVEMENT TO ASPHALT PAVEMENT, A2/C-516.
27. 1.5' WIDE CONCRETE MOW STRIP, B4/C-516.
28. CONCRETE SPILL CURB AND GUTTER, C4/C-514.
29. INSTALL 4", THERMODYNAMIC WHITE EDGE LINES, A3/C-511.
30. INSTALL 4", THERMODYNAMIC DOUBLE YELLOW LINES, A3/C-511.
31. 4" MINI-SKIP WHITE LINE STRIPE, A3/C-511.
32. WHITE DIRECTIONAL ARROW, A3/C-511.
33. INSTALL NEW SPEED LIMIT SHEET SIGN AND POST STOP BAR, A3/C-511.
34. PEDESTRIAN CROSSING SIGN, C2/C-516.
35. INSTALL 25 MPH SPEED LIMIT SIGN, C2/C-516.
36. INSTALL NEW SPEED LIMIT SHEET SIGN AND POST STOP SIGN, C2/C-516.
37. AUTHORIZED VEHICLES ONLY SIGN, C2/C-516.
38. BOLLARD, C3/C-511.
39. NOT USED.
40. DOUBLE SWING GATE FOR MAINTENANCE ACCESS, A2/C-518.
41. MAGNETIC STRIP TO ACTIVATE AUTOMATIC GATE COORDINATE WITH CONTRACTING OFFICER FOR LOCATION
42. CARD READER WITH 18" X 18" X 4" CONCRETE BASE.
43. CURB TAPER SEE DETAIL D3/C-514

SYM	DESCRIPTION	DATE	APPR
1	ADDED CURB TAPER AND KEY NOTES	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
1ST MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION – NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL SITE PLAN – AREA 13

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902891
SHEET	74 OF 262

CS110

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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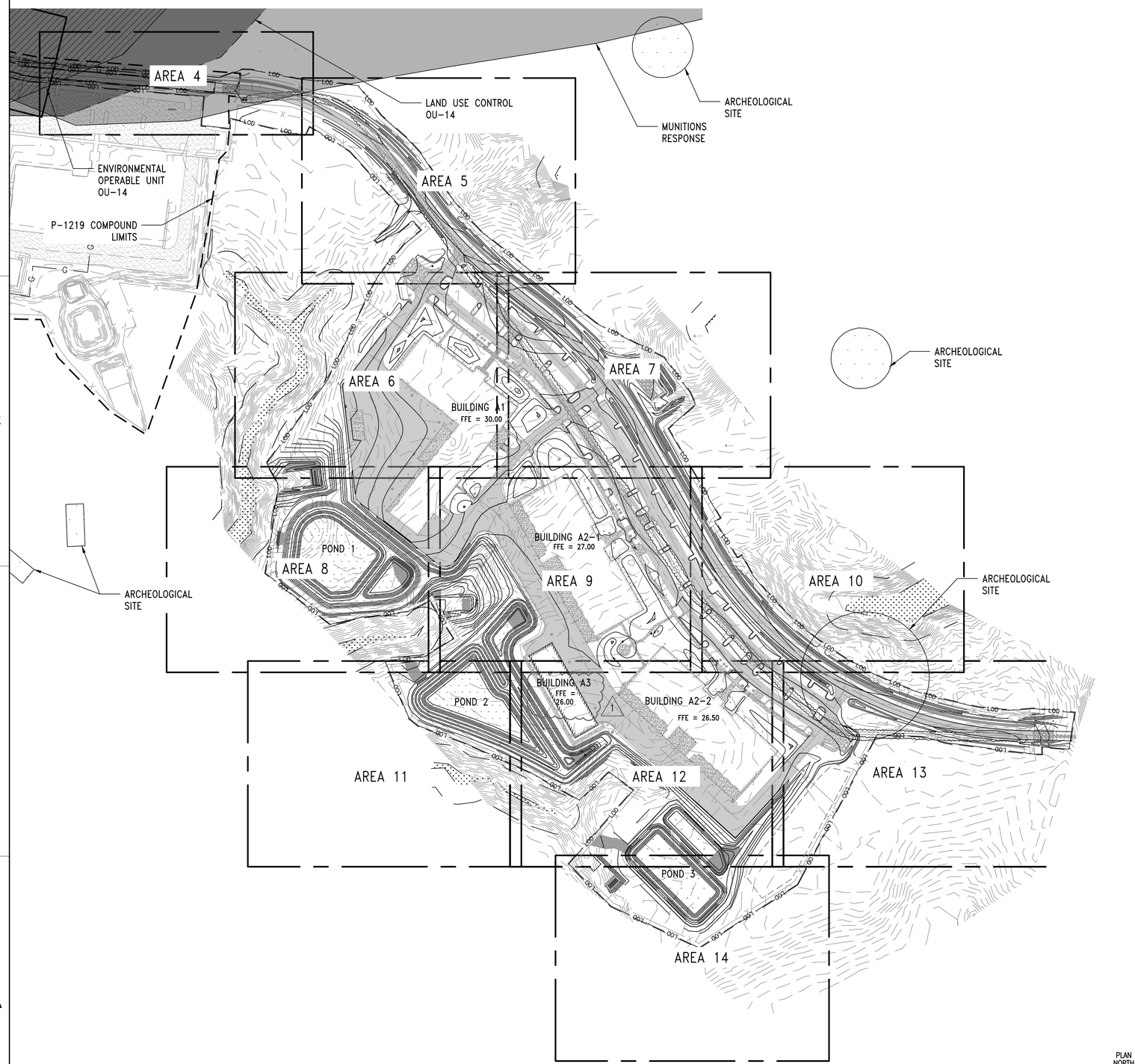
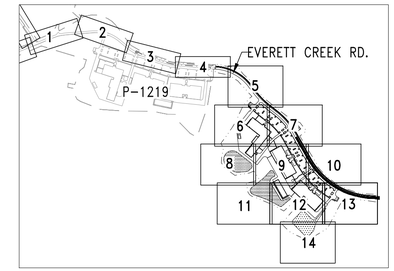


A1 OVERALL GRADING PLAN

SCALE: 1" = 150'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH NAVFAC STANDARDS AND SPECIFICATIONS.
2. ALL SPOT ELEVATIONS INDICATED AT CURB AND GUTTER AND ARE DENOTED TO GUTTER OF CURB, UNLESS OTHERWISE SHOWN.
3. TOTAL DENUDED AREA = 25.00 AC
4. EXISTING VEGETATION WITHIN TREE PROTECTION AREAS MUST REMAIN UNDISTURBED. UNLESS NOTED OTHERWISE.
5. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION MUST BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. THE CONTRACTOR MUST COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE.
7. THE CONTRACTOR MUST MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
8. THE CONTRACTOR MUST BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
9. THE CROSS-SLOPE ON ALL SIDEWALKS MUST NOT EXCEED 2.0%.
10. CONTRACTOR MUST VERIFY ALL EXISTING ELEVATIONS WHERE NEW CONSTRUCTION JOIN OR CONNECT TO EXISTING PAVEMENT, CURB AND OTHER RIGID STRUCTURES. NOTIFY GOVERNMENT IF DISCREPANCIES OCCUR.
11. SEE STORMWATER STRUCTURE AND PIPE DATA ON SHEET CU210.
12. ALL OFFSITE FILL MUST BE OBTAINED FROM AN NCDEQ APPROVED SITE.
13. RECEIVING STREAM IS EVERETT CREEK, CLASSIFICATION SA AND HWQ. WETLANDS ARE LOCATED WITH 100-FEET OF THE PROJECT SITE.
14. PROPOSED SIDEWALK TO BE MAX 2% CROSS SLOPE AND MAX 5% LONGITUDINAL SLOPE.
15. PROPOSED ACCESSIBLE RAMP TO BE MAX 8.33% SLOPE.
16. PROPOSED ACCESSIBLE PARKING TO BE 2% MAX IN ALL DIRECTIONS.
17. PROPOSED CROSSWALK TO BE MAX 2% CROSS SLOPE AND MAX 5% LONGITUDINAL SLOPE.

CONSTRUCTION SEQUENCE:

1. OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.
2. FLAG THE WORK LIMITS AND MARK THE TREE AND BUFFER AREAS FOR PROTECTION.
3. HOLD A PRE-CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY EMD/PWD AT LEAST 24-HOURS PRIOR TO LAND DISTURBING ACTIVITIES.
4. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PHASE 1 PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
5. CLEAR AND GRUB AS NECESSARY TO INSTALL THE PERIMETER FENCE.
6. AFTER COMPLETION OF PERIMETER FENCE INSTALLATION, BEGIN CLEARING AND GRUBBING THE REMAINDER OF THE SITE. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE THE SITE.
7. INSTALL STORM SEWER AND PROTECT INLETS WITH INLET PROTECTIONS SPECIFIED ON THE PLANS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PHASE 2 PLANS. BEGIN CONSTRUCTION OF BUILDING, PARKING, ROADWAY, ETC.
8. CONVERT SEDIMENT BASIN TO PERMANENT SCM. CONTRACTOR MUST REPAIR CLAY CORE AND SCM EMBANKMENT TO ORIGINAL CONDTIONS PER A1/C-532. CONTRACTOR MUST COORDINATE WITH TALIA PRENDERGAST (TALIA.PRENDERGAST@USMC.MIL) WITH CAMP LEJUENE FOR CONSTRUCTION METHODS.
9. PERMANENTLY STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. PERMANENTLY STABILIZE DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
10. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE INSPECTED WEEKLY AND AFTER RAINFALL EVENTS. NEEDED REPAIRS MUST BE MADE IMMEDIATELY.
11. ANY DEWATERING OF SEDIMENT BASINS FOR MAINTENANCE, REMOVAL OR CONVERSION PURPOSES IS TO BE DONE THROUGH A SILT BAG.
12. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, NOTIFY COR AND NCDEQ INSPECTOR AND SCHEDULE AN INSPECTION.
13. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS.
14. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
15. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION.

EROSION AND SEDIMENT CONTROL MAINTENANCE PLAN NOTES:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NOT CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS MUST BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. SEE DETAIL SHEETS C-501 THROUGH C-505 FOR SPECIFIC EROSION CONTROL MEASURE MAINTENANCE PLANS.
3. ALL SODDED AREAS MUST BE FERTILIZED, RE-SODDED AS NECESSARY ACCORDING TO SPECIFICATIONS TO MAINTAIN A VIGOROUS, DENSE, VEGETATIVE COVER.

SYM	DESCRIPTION	DATE	APPR
1	BUILDING A3 FFE ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
1ST MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

OVERALL GRADING PLAN

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902899
SHEET	82 OF 262

CG100

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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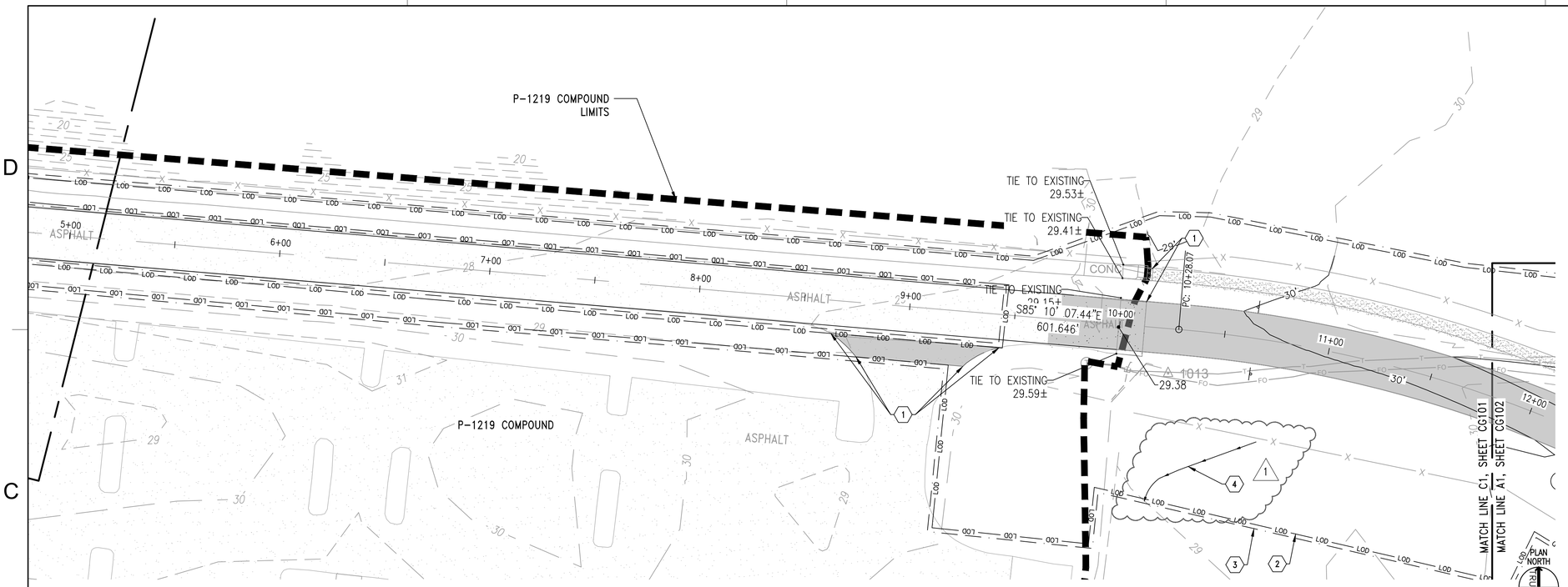
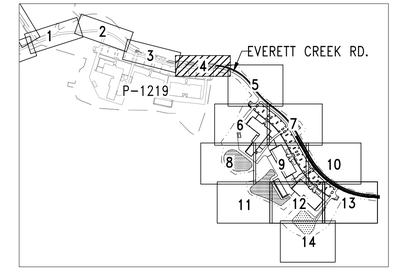


C1 PARTIAL GRADING PLAN – AREA 4

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. TIE TO AND MATCH EXISTING PAVEMENT.
2. LIMITS OF DISTURBANCE.
3. PROJECT LIMITS.
4. PROVIDE POSITIVE DRAINAGE.

SYM	DESCRIPTION	DATE	APPR
1	CONTOUR TEXT REMOVED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL STATION - NORFOLK, VA
IPT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL GRADING PLAN – AREA 4

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902900
SHEET	83 OF 262

CG101

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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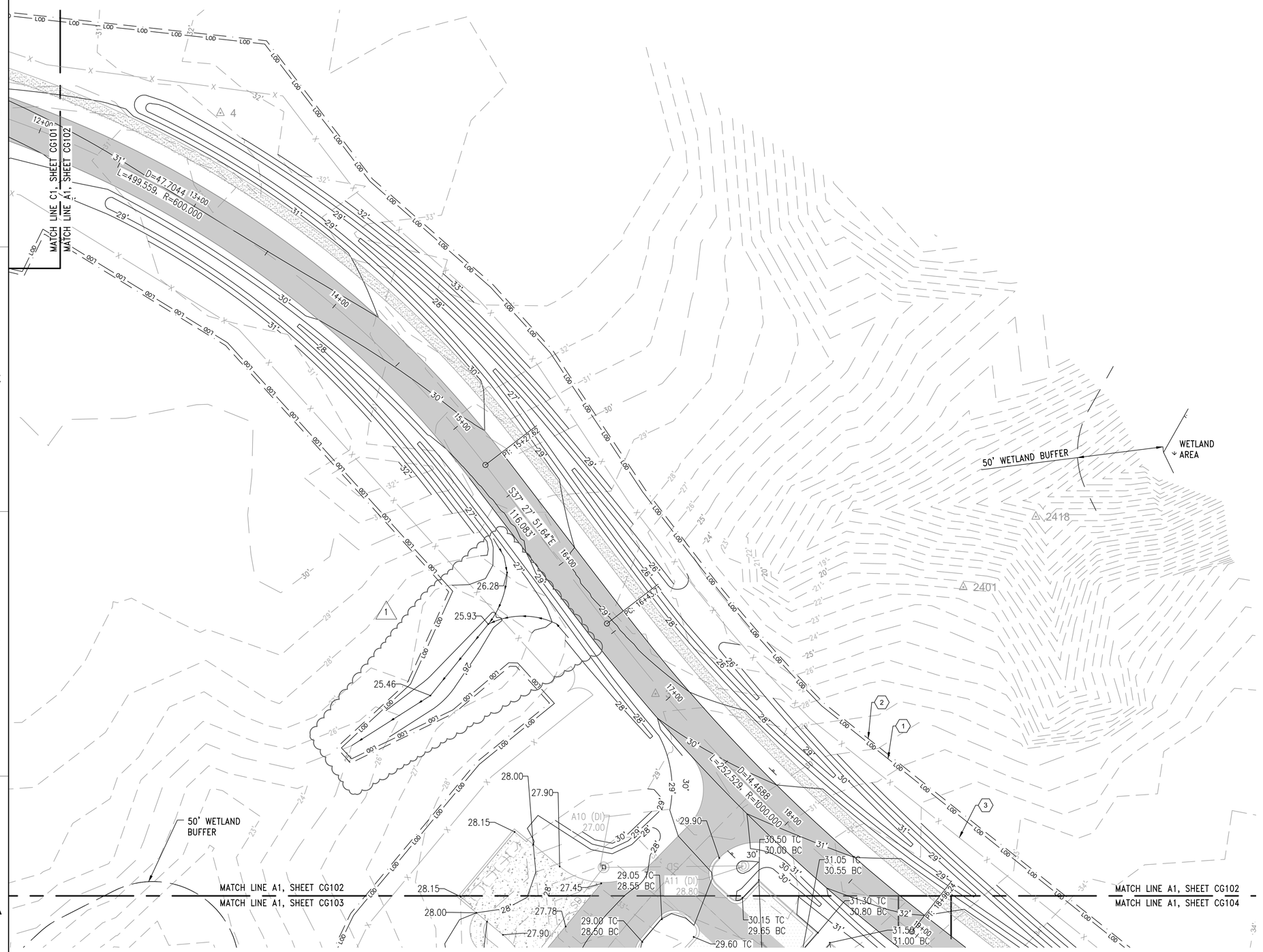

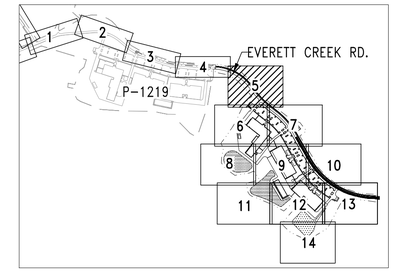

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. LIMITS OF DISTURBANCE.
2. PROJECT LIMITS.
3. 10' MINIMUM CLEARANCE OUTSIDE OF THE FENCE LINE.

A1 PARTIAL GRADING PLAN – AREA 5
SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	SPOT ELEVATIONS ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

Stantec

A/E INFO

APPROVED
Jeffrey S. Dowdrow, R.A.
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL GRADING PLAN – AREA 5

SCALE: AS INDICATED
EPROJECT NO.: 1701820
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12902901
SHEET 84 OF 262

CG102

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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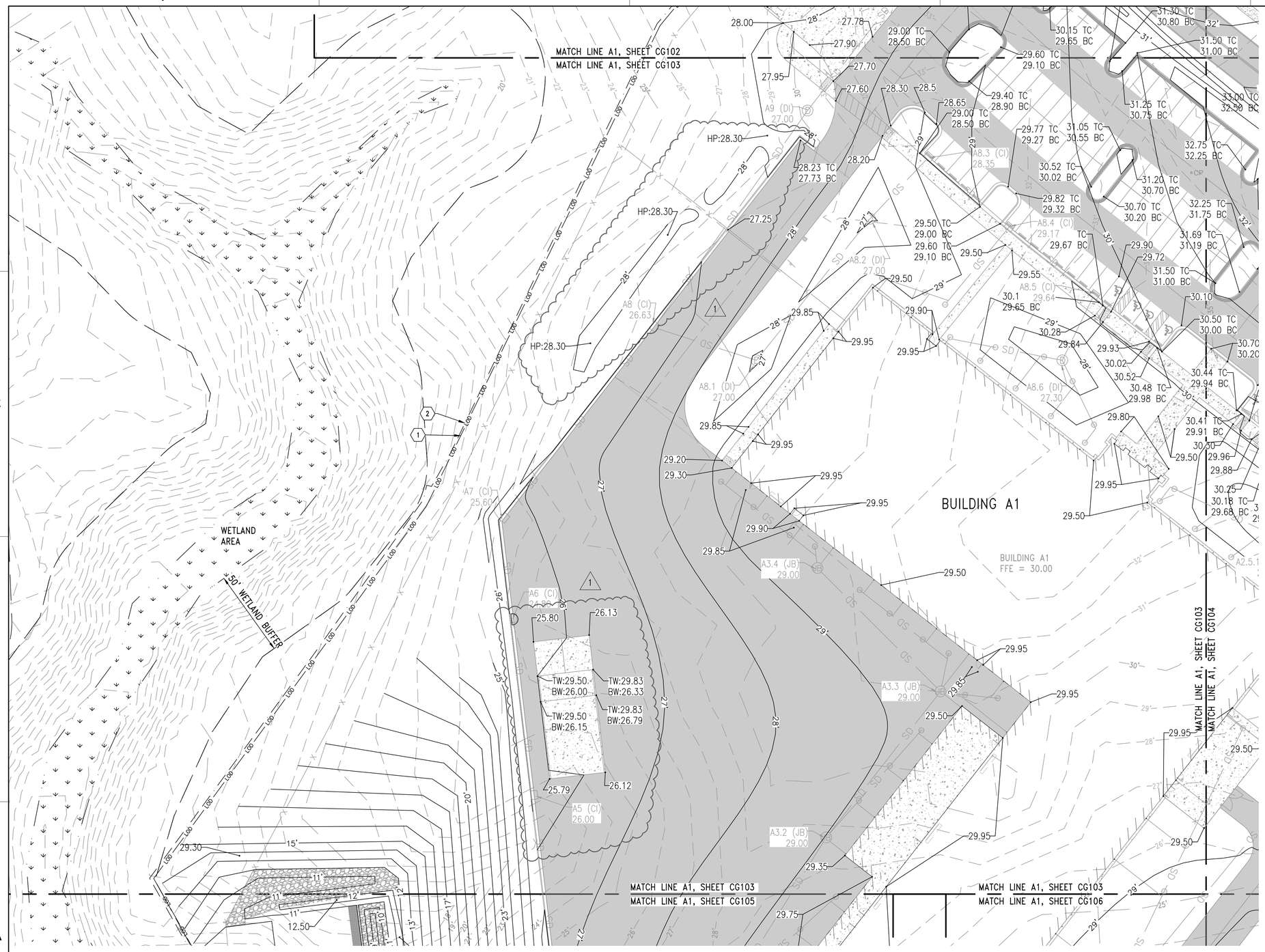
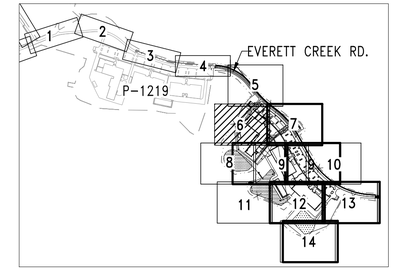
2026/06/10 1:02 PM By: Garcia, Jonathan (Alabama)



A1 PARTIAL GRADING PLAN – AREA 6

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.
3. ENSURE POSITIVE DRAINAGE IS PROVIDED AROUND THE DOCK.

KEY NOTES (1) :

1. LIMITS OF DISTURBANCE.
2. PROJECT LIMITS.

SYM	DESCRIPTION	DATE	APPR
1	SPOT ELEVATIONS ADJUSTED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL GRADING PLAN – AREA 6

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902902
SHEET	85 OF 262

CG103

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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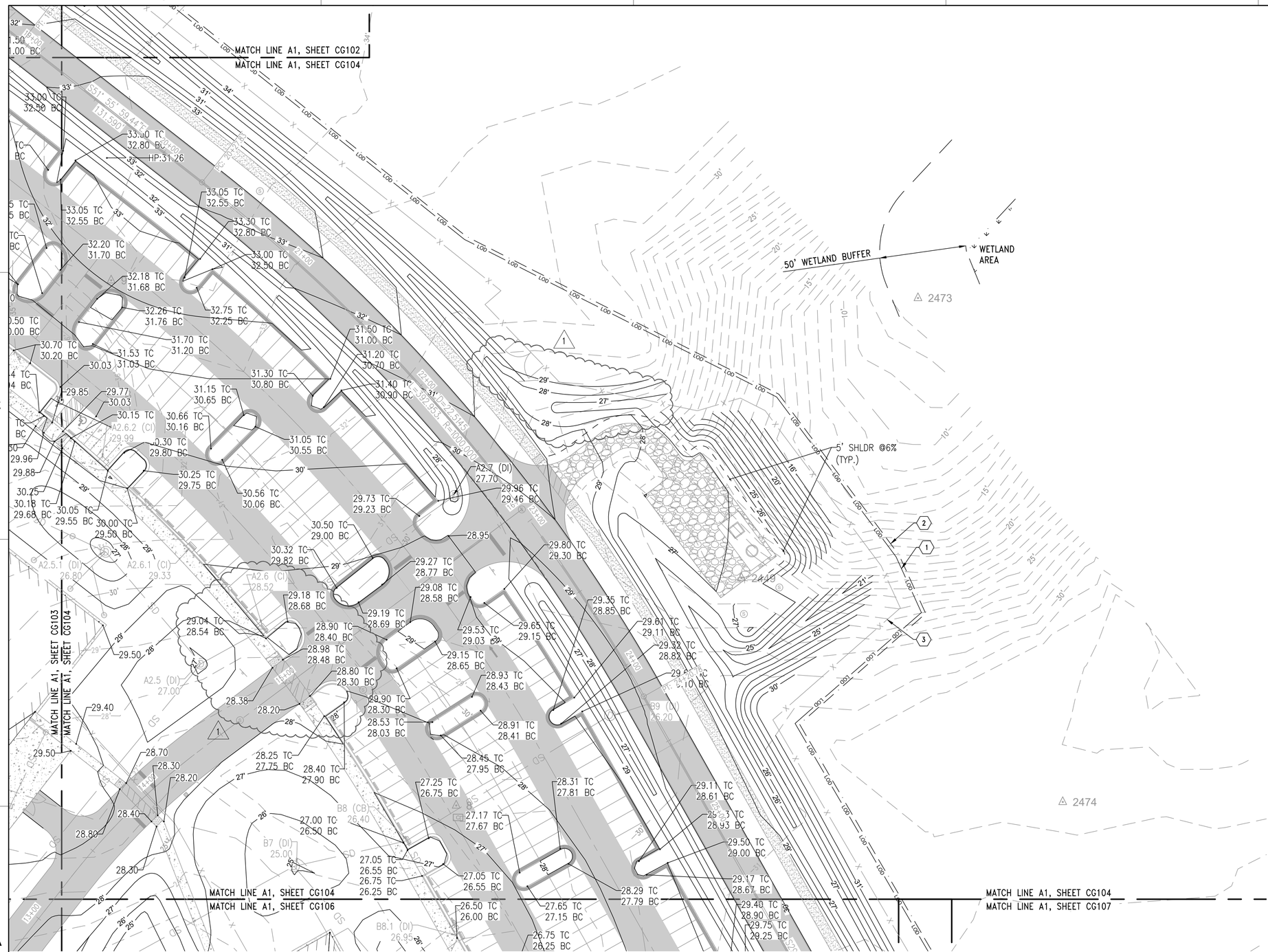
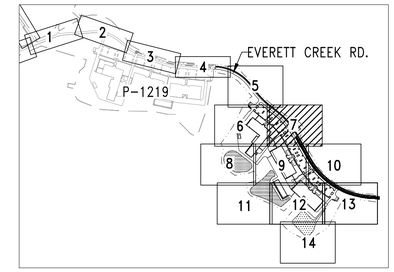


A1 PARTIAL GRADING PLAN – AREA 7

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. LIMITS OF DISTURBANCE.
2. PROJECT LIMITS.
3. 10' MINIMUM CLEARANCE OUTSIDE OF THE FENCE LINE.

SYM	DESCRIPTION	DATE	APPR
1	GRADING AND SPOT ELEVATIONS UPDATED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1ST MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL GRADING PLAN – AREA 7

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902903
SHEET	86 OF 262

CG104

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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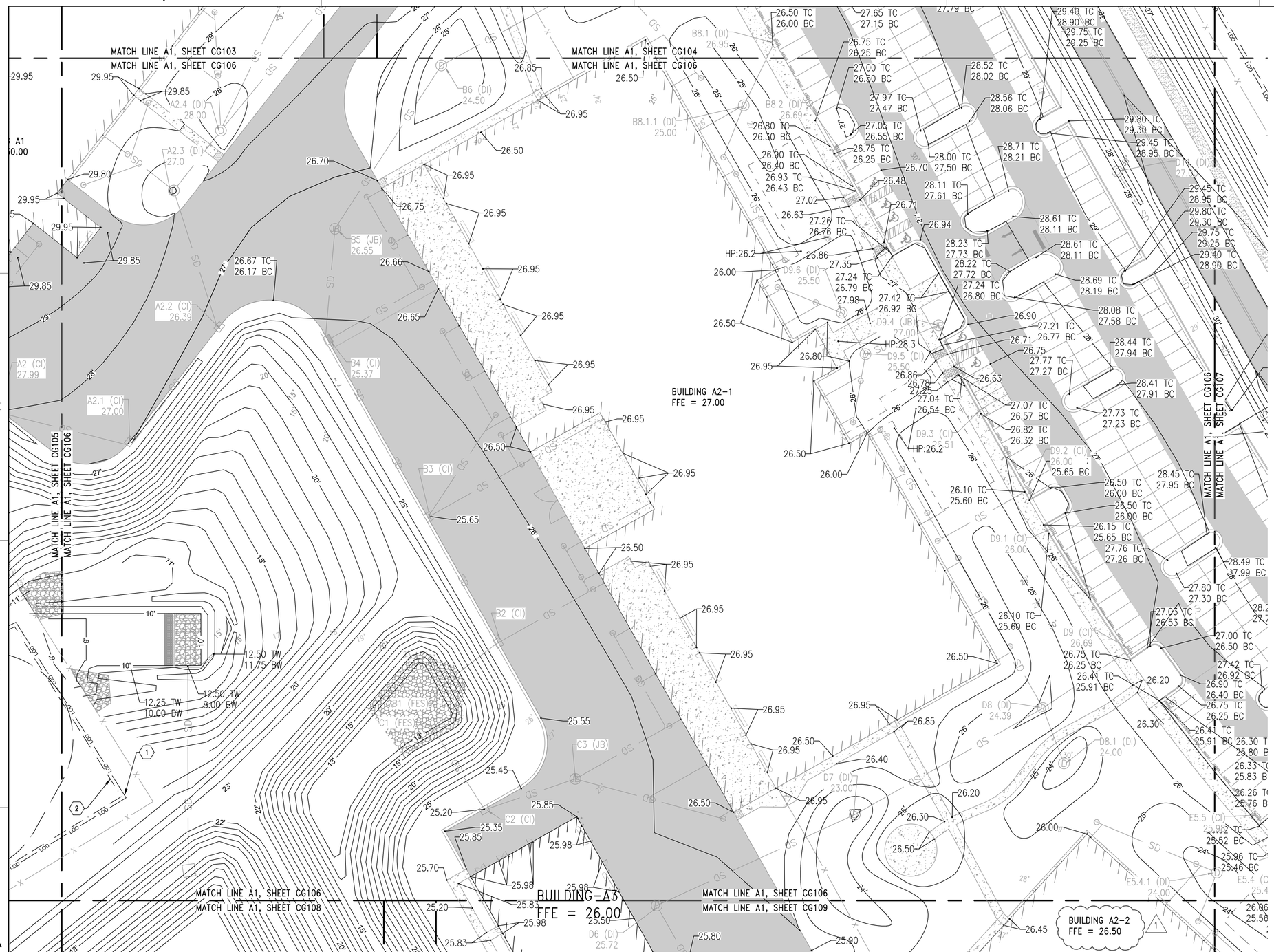
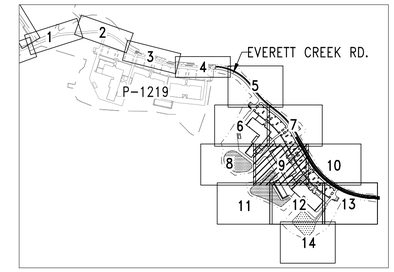


A1 PARTIAL GRADING PLAN – AREA 9

SCALE: 1" = 30'

PLAN NORTH
TRUE N

0 30' 60'



KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. LIMITS OF DISTURBANCE.
2. PROJECT LIMITS.

SYM	DESCRIPTION	DATE	APPR
1	BUILDING LABELS ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB
PM/DM	SGL/MDM	
BRANCH MANAGER	DLB	
CHIEF ENG/ARCH	JWJ	
FIRE PROTECTION	HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL GRADING PLAN – AREA 9

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902905
SHEET	88 OF 262

CG106

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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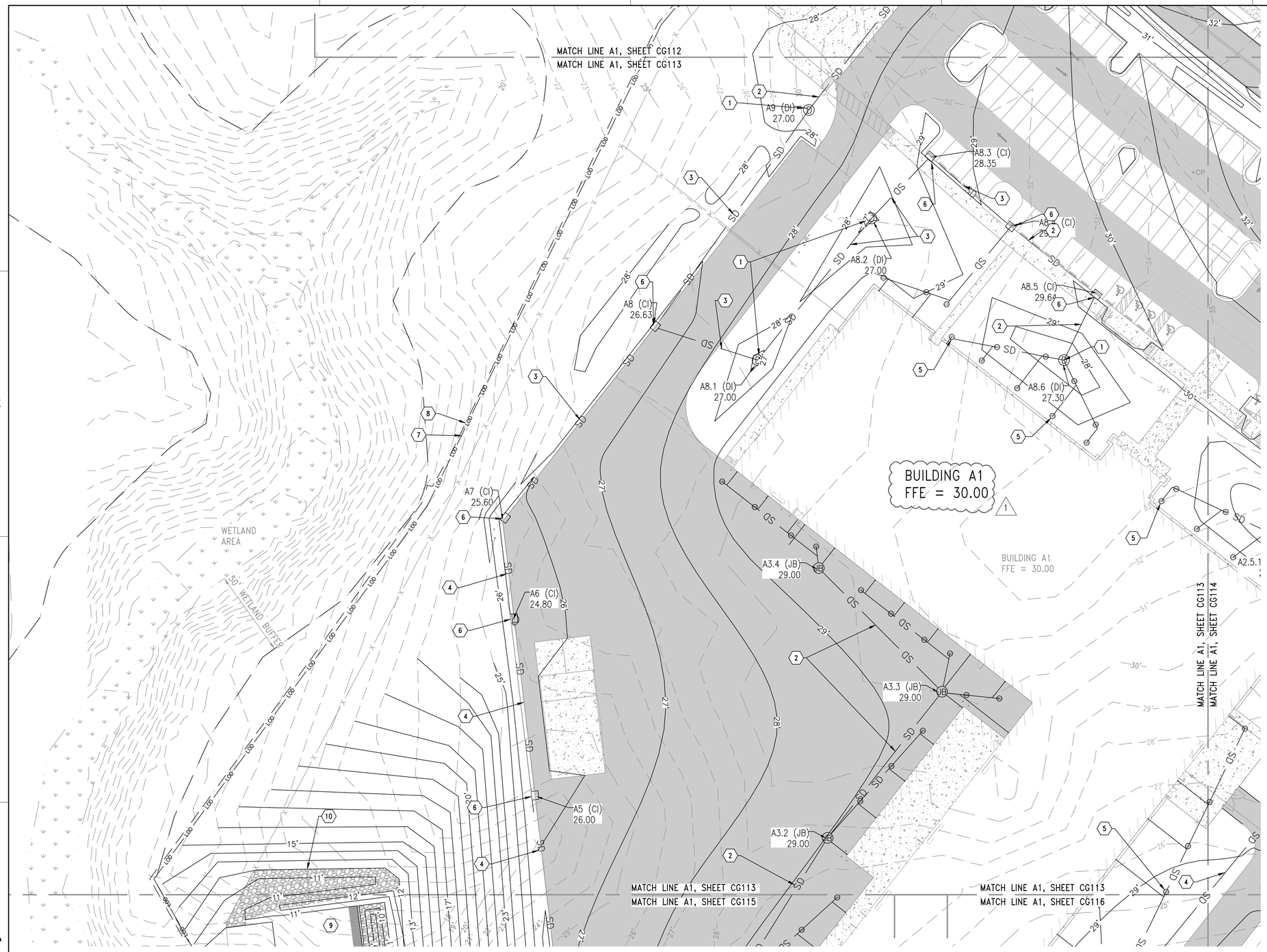
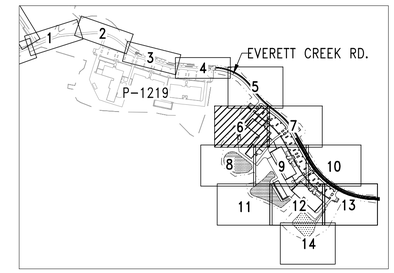


A1 PARTIAL DRAINAGE PLAN – AREA 6

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. GRATED DROP INLET, A3 & C3/C-519.
2. 15" RCP, D2/C-522.
3. 18" RCP, D2/C-522.
4. 24" RCP, D2/C-522.
5. ROOF DRAINAGE SYSTEM, A3/C-525 TYPICAL.
6. CURB INLET, A1/C-521.
7. LIMITS OF DISTURBANCE.
8. PROJECT LIMITS.
9. LEVEL SPREADER, A1/C-530.
10. RIPRAP LINED CHANNEL, C4/C-522.

SYM	DESCRIPTION	DATE	APPR
1	BUILDING LABELS ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW JG	CHK MDB
PM/DM			SGL/MDM
BRANCH MANAGER			DLB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
1ST MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL DRAINAGE PLAN – AREA 6

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902912
SHEET	95 OF 262

CG113

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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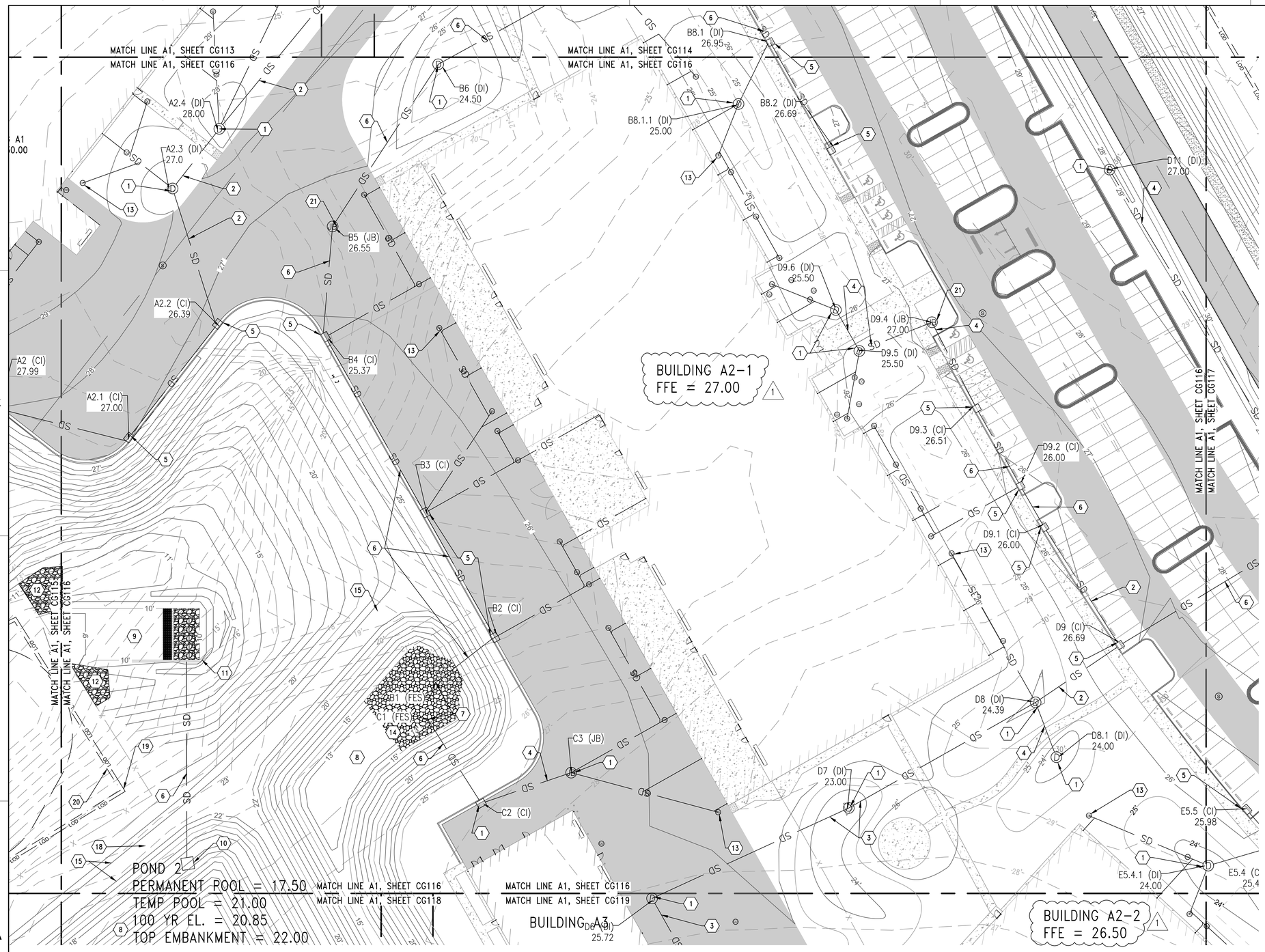
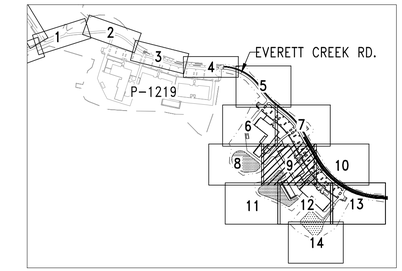


A1 PARTIAL DRAINAGE PLAN – AREA 9

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. GRATED DROP INLET, A3 & C3/C-519.
2. 24" RCP, D2/C-522.
3. 30" RCP, D2/C-522.
4. 15" RCP, D2/C-522.
5. CURB INLET, C1/C-521.
6. 18" RCP, D2/C-522.
7. PRECAST CONCRETE ENDWALL, C1/C-519.
8. STORM WATER CONTROL MEASURE BUILDING A2-1, A1/C-532.
9. LEVEL SPREADER, A1/C-532.
10. STORMWATER CONTROL MEASURE OUTLET STRUCTURE, A1/C-532.
11. CAST IN PLACE CONCRETE ENDWALL, A2/C-522.
12. RIPRAP LINED CHANNEL, C4/C-522.
13. ROOF DRAINAGE SYSTEM, A3/C-525 TYPICAL.
14. RIPRAP OUTLET PROTECTION, A1/C-522.
15. 10' WIDE BERM/MAINTENANCE ACCESS.
16. NOT USED
17. NOT USED
18. CLAY CORE, A1/C-532.
19. LIMITS OF DISTURBANCE.
20. PROJECT LIMIT.
21. JUNCTION BOX, C1/C-523.

SYM	DESCRIPTION	DATE	APPR
1	BUILDING LABELS ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1FF MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL DRAINAGE PLAN – AREA 9

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902915
SHEET	98 OF 262

CG116

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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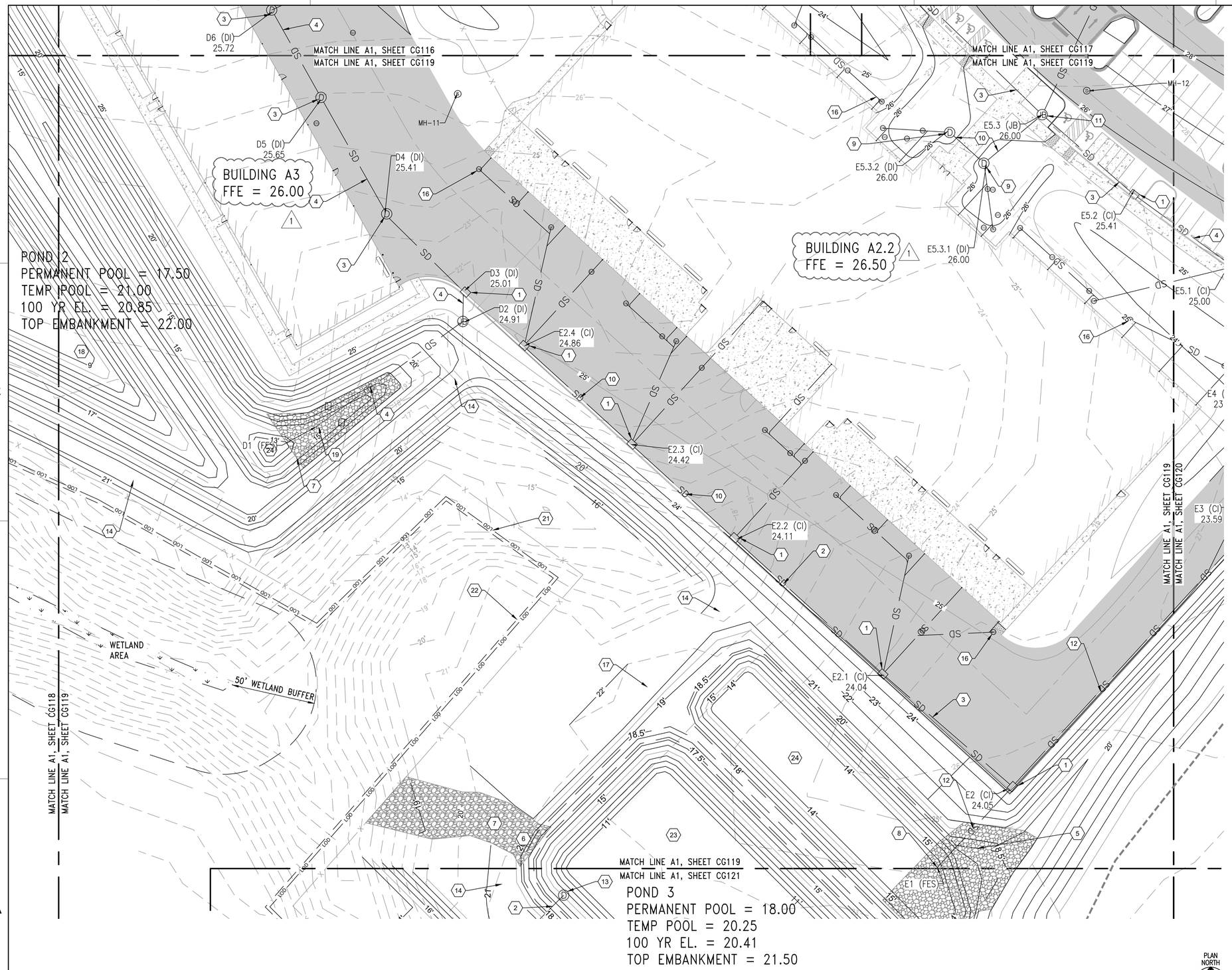
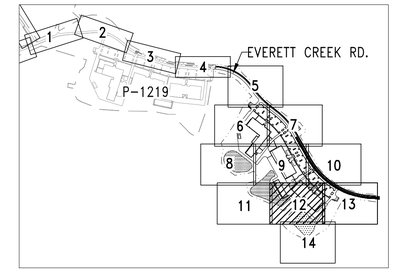


A1 PARTIAL DRAINAGE PLAN – AREA 12

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.

KEY NOTES (1) :

1. CURB INLET, A1/C-521.
2. 18" RCP, D2/C-522.
3. 24" RCP, D2/C-522.
4. 30" RCP, D2/C-522.
5. RIP-RAP APRON, C4/C-522.
6. EMERGENCY SPILLWAY, A1/C-532.
7. RIP-RAP, A1/C-522.
8. FLARED END SECTION, C1/C-519.
9. GRATED DROP INLET, A3 & C3/C-519.
10. 15" RCP, D2/C-522.
11. JUNCTION BOX, C1/C-523.
12. 36" RCP, D2/C-522.
13. OUTLET STRUCTURE, A1/C-531.
14. 10' WIDE BERM/MAINTENANCE ACCESS.
15. NOT USED
16. ROOF DRAINAGE SYSTEM, A3/C-525 TYPICAL.
17. CLAY CORE CENTERLINE A1/C-533.
18. STORMWATER CONTROL MEASURE P-1609, A1/C-532.
19. PRECAST CONCRETE ENDWALL, A2/C-522.
20. STORM DRAIN MANHOLE, C1/C-523.
21. LIMITS OF DISTURBANCE.
22. PROJECT LIMITS.
23. STORMWATER CONTROL MEASURE P-1610, A1/C-533.
24. FOREBAY, A1/C-533

SYM	DESCRIPTION	DATE	APPR
1	BUILDING LABELS ADDED	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB
PM/DM		SGL/MDM
BRANCH MANAGER		DLB
CHIEF ENG/ARCH		JWJ
FIRE PROTECTION		HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL DRAINAGE PLAN – AREA 12

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902918
SHEET	101 OF 262

CG119

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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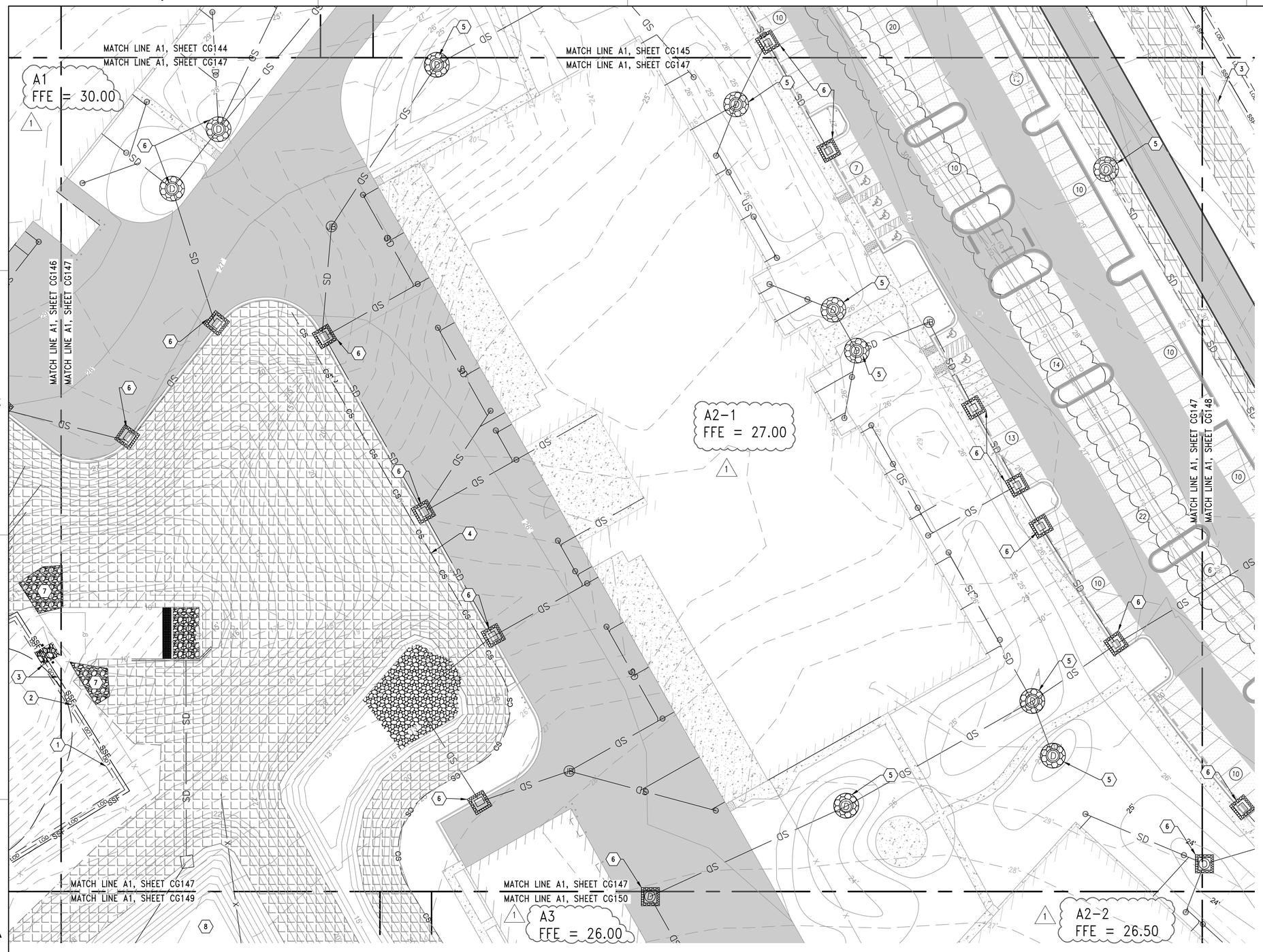

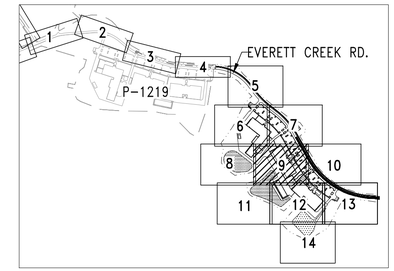

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.
3. ALL SLOPES GREATER THAN 3:1 (H:V) MUST HAVE SLOPE PROTECTION, C3/C-503.
4. ALL STORM DRAIN PIPES DURING INSTALLATION MUST BE PROTECTED AT THE END OF EACH DAY, A3/C-503.
5. USE EXCAVATED INLET PROTECTION AT THE TIME OF INLET INSTALLATION. TRANSITION TO COMPOST SOCK INLET PROTECTION AS PAVEMENT IS LAYED AND/OR ELEVATIONS ARE BROUGHT TO FINISHED GRADE.

KEY NOTES (1) :

1. PROJECT LIMITS.
2. LIMITS OF DISTURBANCE.
3. SUPER SILT FENCE, C4/C-504 & A2/C-501.
4. COMPOST SOCK PERIMETER FENCE, A3/C-505.
5. EXCAVATED INLET PROTECTION, A1/C-504.
6. EXCAVATED INLET PROTECTION, A1/C-504 THEN TRANSITION TO COMPOST SOCK INLET PROTECTION C1/C-504. SEE NOTE 5, THIS SHEET.
7. RIPRAP LINED CHANNEL, C4/C-522.
8. SKIMMER SEDIMENT BASIN, A1/C-502.

LEGEND:

REQUIRE 7 OR 14 DAYS STABLIZATION

(A1) PARTIAL EROSION CONTROL PLAN – AREA 9 – PHASE 2

SCALE: 1" = 30'

SYM	BUILDING LABELS ADDED	DATE	APPR
1		04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

Stantec

A/E INFO

APPROVED
Brian S. Dunton, P.E.

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM			SGL/MDM
BRANCH MANAGER			DLB XXX
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1FT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL EROSION CONTROL PLAN – AREA 9 – PHASE 2

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902937
SHEET	120 OF 262

CG147

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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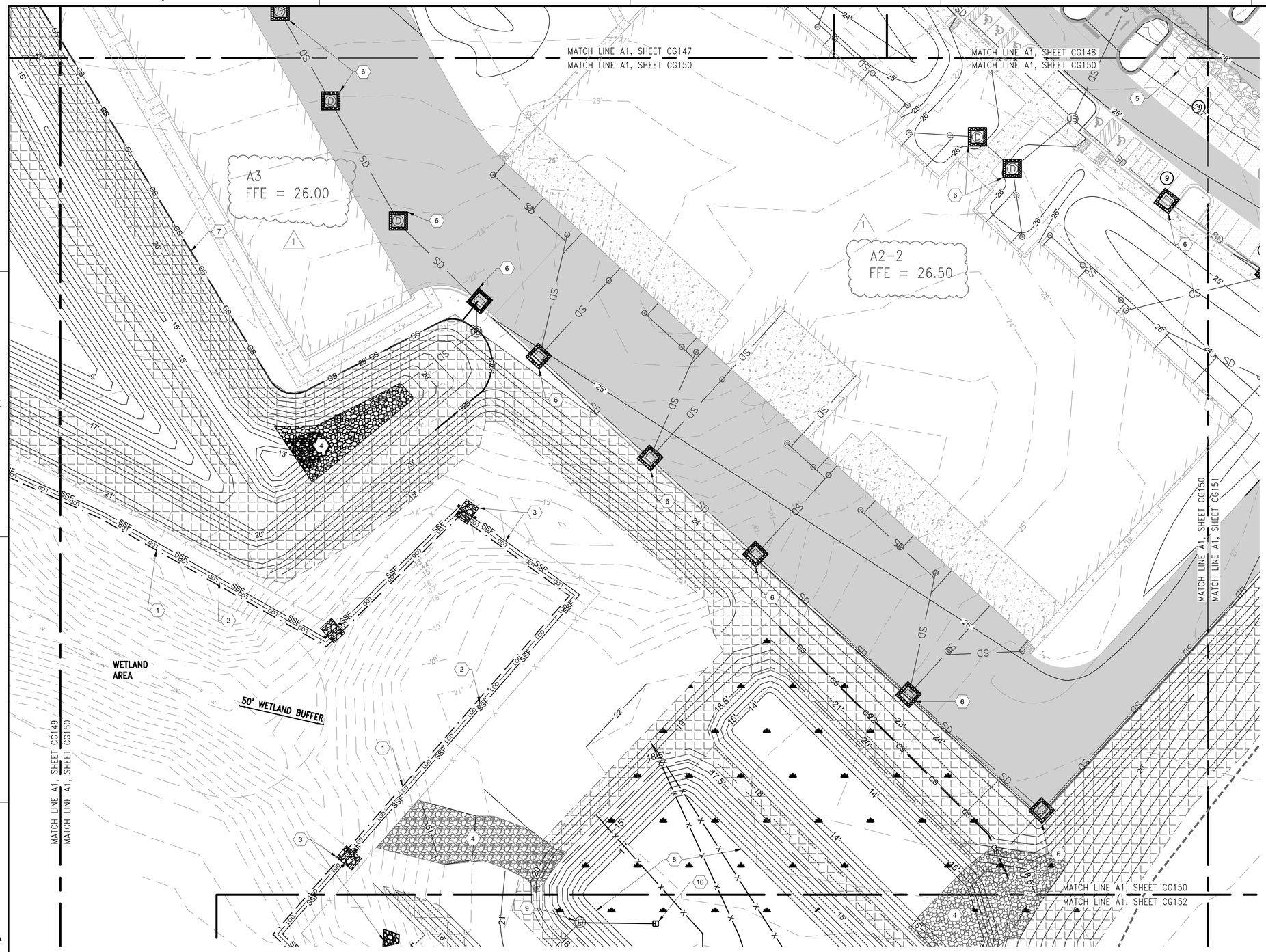

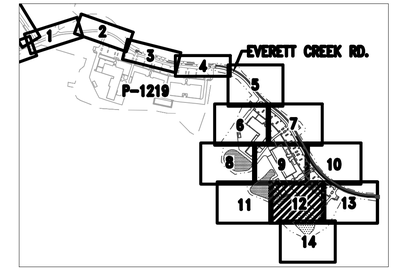

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.
3. ALL SLOPES GREATER THAN 3:1 (H:V) MUST HAVE SLOPE PROTECTION, C3/C-503.
4. ALL STORM DRAIN PIPES DURING INSTALLATION MUST BE PROTECTED AT THE END OF EACH DAY, A3/C-503.
5. USE EXCAVATED INLET PROTECTION AT THE TIME OF INLET INSTALLATION. TRANSITION TO COMPOST SOCK INLET PROTECTION AS PAVEMENT IS LAYED AND/OR ELEVATIONS ARE BROUGHT TO FINISHED GRADE.

KEY NOTES (1) :

1. PROJECT LIMITS.
2. LIMITS OF DISTURBANCE.
3. SUPER SILT FENCE, C4/C-504 & A2/C-501.
4. RIPRAP, A1/C-522.
5. AREA OF EXISTING UNDERGROUND ELECTRICAL AND FIBER OPTIC THAT HAVE SHALLOW COVERAGE OR MAY BE EXPOSED DURING CONSTRUCTION. CONTRACTOR MUST PROTECT AND KEEP OPERATIONAL THROUGHOUT CONSTRUCTION.
6. EXCAVATED INLET PROTECTION, A1/C-504 THEN TRANSITION TO COMPOST SOCK INLET PROTECTION C1/C-504. SEE NOTE 5, THIS SHEET.
7. COMPOST SOCK PERIMETER FENCE, A3/C-505.
8. SKIMMER SEDIMENT BASIN, A1/C-502.
9. STORMWATER CONTROL MEASURE OUTLET STRUCTURE, A1/C-533.
10. SKIMMER DETAIL, A3/C-502.

LEGEND:

REQUIRE 7 OR 14 DAYS STABLIZATION

A1 PARTIAL EROSION CONTROL PLAN – AREA 12 – PHASE 2
SCALE: 1" = 30'

PLAN NORTH

0 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	BUILDING LABELS UPDATED	04/JUN/2026	VAN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS
SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY

SATISFACTORY TO

DES RDB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB XXX	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
1ST MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL EROSION CONTROL PLAN – AREA 12 – PHASE 2

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	1290294O
SHEET	123 OF 262

CG150

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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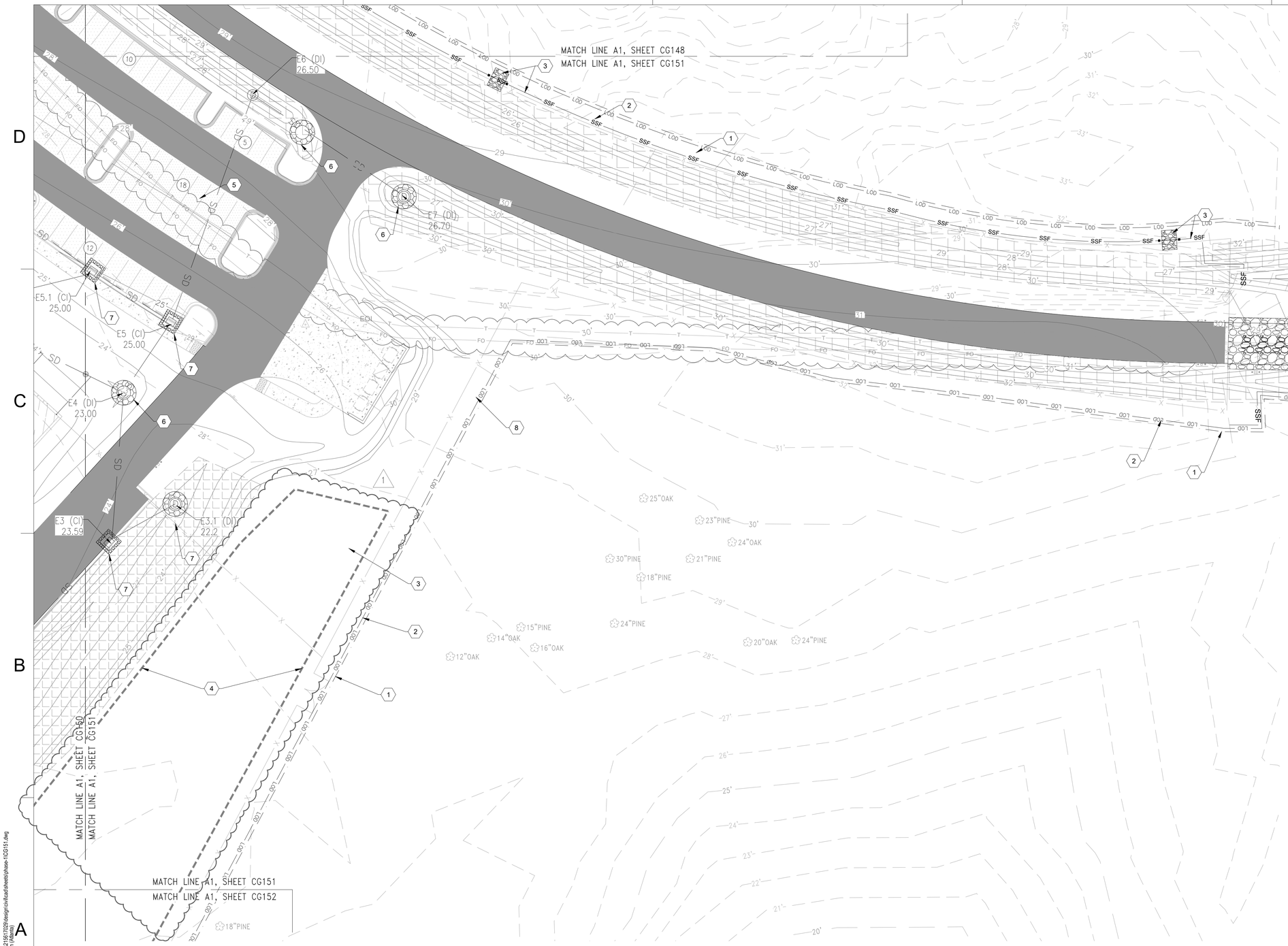
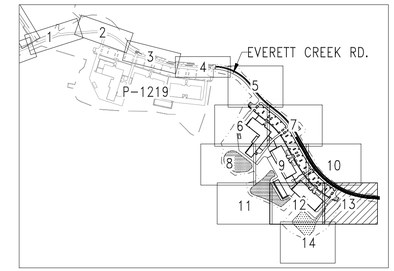
2026/06/10 1:23 PM By: Garcia, Jonathan (Atlanta)



A1 PARTIAL EROSION CONTROL PLAN – AREA 13 – PHASE 2

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.
3. ALL SLOPES GREATER THAN 3:1 (H:V) MUST HAVE SLOPE PROTECTION, C3/C-503.
4. ALL STORM DRAIN PIPES DURING INSTALLATION MUST BE PROTECTED AT THE END OF EACH DAY, A3/C-503.
5. USE EXCAVATED INLET PROTECTION AT THE TIME OF INLET INSTALLATION. TRANSITION TO COMPOST SOCK INLET PROTECTION AS PAVEMENT IS LAYED AND/OR ELEVATIONS ARE BROUGHT TO FINISHED GRADE.

KEY NOTES (1) :

1. PROJECT LIMITS.
2. LIMITS OF DISTURBANCE.
3. SUPER SILT FENCE, C4/C-504 A2/C-501.
4. STOCKPILE, A4/C-504.
5. AREA OF EXISTING UNDERGROUND ELECTRICAL AND FIBER OPTIC THAT HAVE SHALLOW COVERAGE OR MAY BE EXPOSED DURING CONSTRUCTION. CONTRACTOR MUST PROTECT AND KEEP OPERATIONAL THROUGHOUT CONSTRUCTION.
6. EXCAVATED INLET PROTECTION, A1/C-504.
7. EXCAVATED INLET PROTECTION, A1/C-504 THEN TRANSITION TO COMPOST SOCK INLET PROTECTION C1/C-504. SEE NOTE 5, THIS SHEET.
8. TREE PROTECTION FENCE, A1/C-501.

LEGEND:

REQUIRE 7 OR 14 DAYS STABLIZATION

SYM	DESCRIPTION	DATE	APPR
1	STOCK PILE AREA ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB
PM/DM					SGL/MDM
BRANCH MANAGER					DLB XXX
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
1ST MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL EROSION CONTROL PLAN – AREA 13 – PHASE 2

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902941
SHEET	124 OF 262

CG151

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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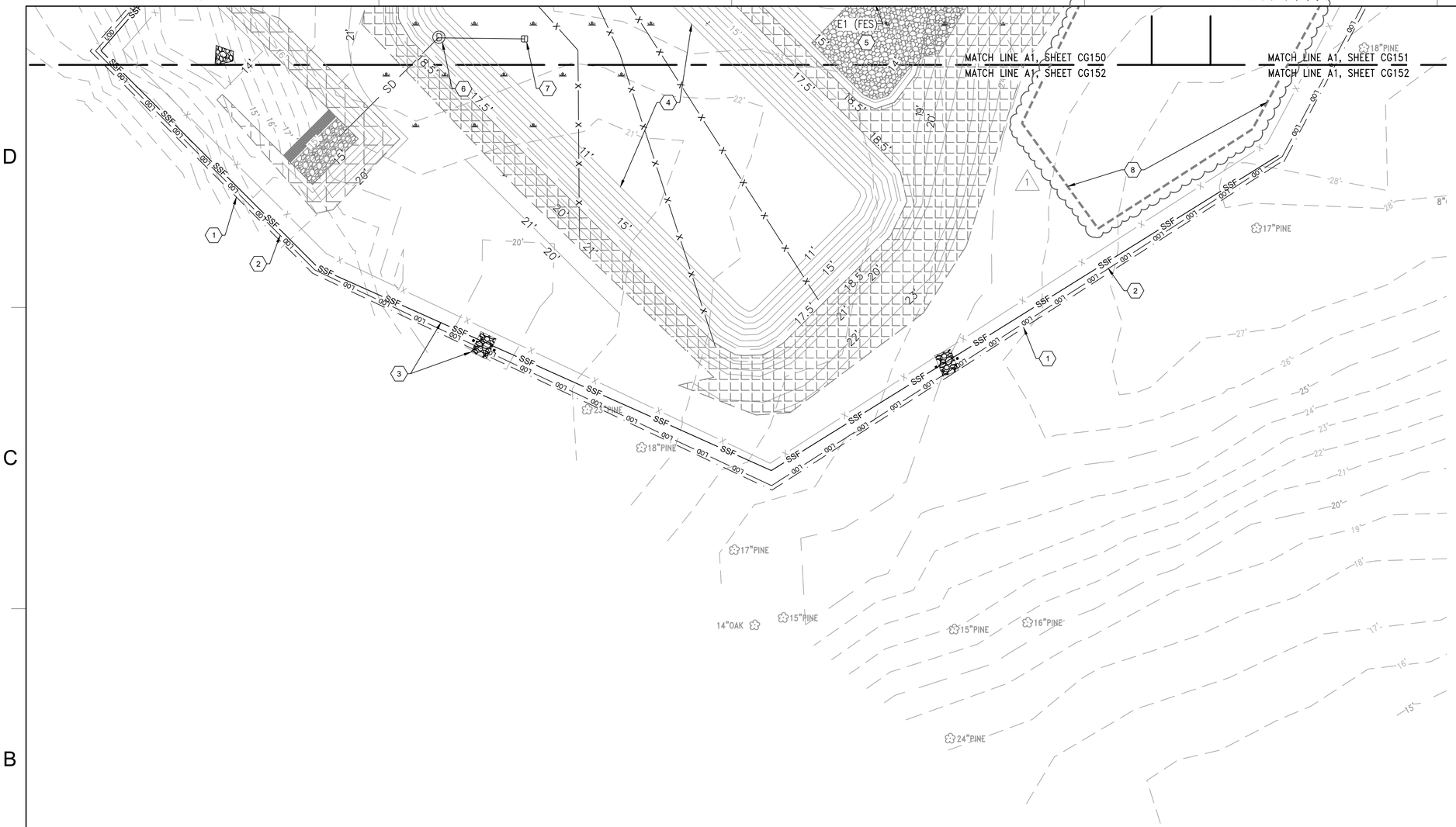

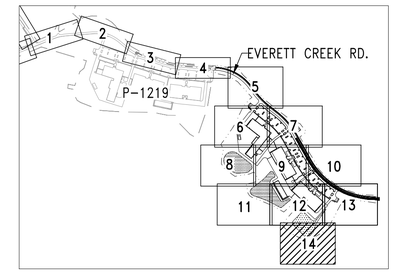

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CG100 FOR GENERAL GRADING NOTES.
3. ALL SLOPES GREATER THAN 3:1 (H:V) MUST HAVE SLOPE PROTECTION, C3/C-503.
4. ALL STORM DRAIN PIPES DURING INSTALLATION MUST BE PROTECTED AT THE END OF EACH DAY, A3/C-503.

KEY NOTES (1) :

1. PROJECT LIMITS.
2. LIMITS OF DISTURBANCE.
3. SUPER SILT FENCE, C4/C-504 A2/C-501.
4. SKIMMER SEDIMENT BASIN, A1/C-502.
5. RIPRAP, A1/C-522.
6. STORMWATER CONTROL MEASURE OUTLET STRUCTURE, A1/C-533.
7. SKIMMER DETAIL, A3/C-502.
8. STOCKPILE, A4/C-504.

LEGEND:

REQUIRE 7 OR 14 DAYS STABLIZATION

PLAN NORTH
TRUE N

0 30' 60'

(A1) PARTIAL EROSION CONTROL PLAN – AREA 14 – PHASE 2
SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	STOCK PILE AREA ADDED	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS
SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB XXX
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL EROSION CONTROL PLAN – AREA 14 – PHASE 2

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902942
SHEET	125 OF 262

CG152

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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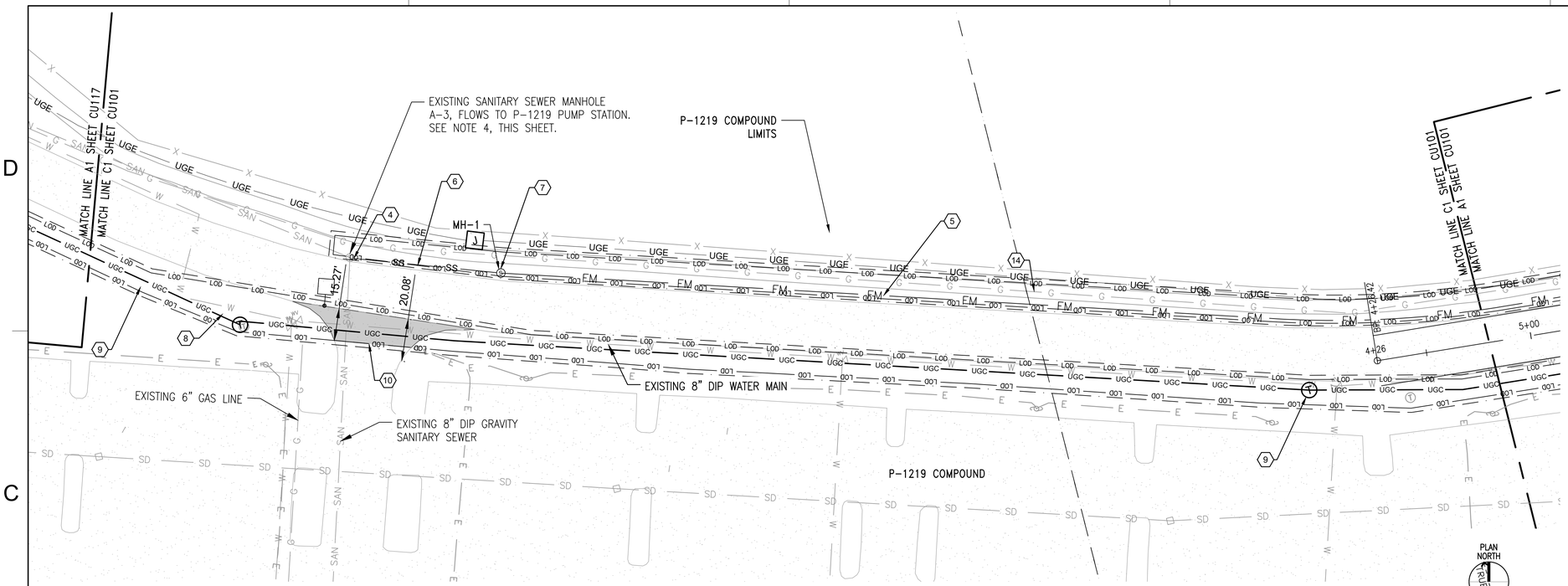
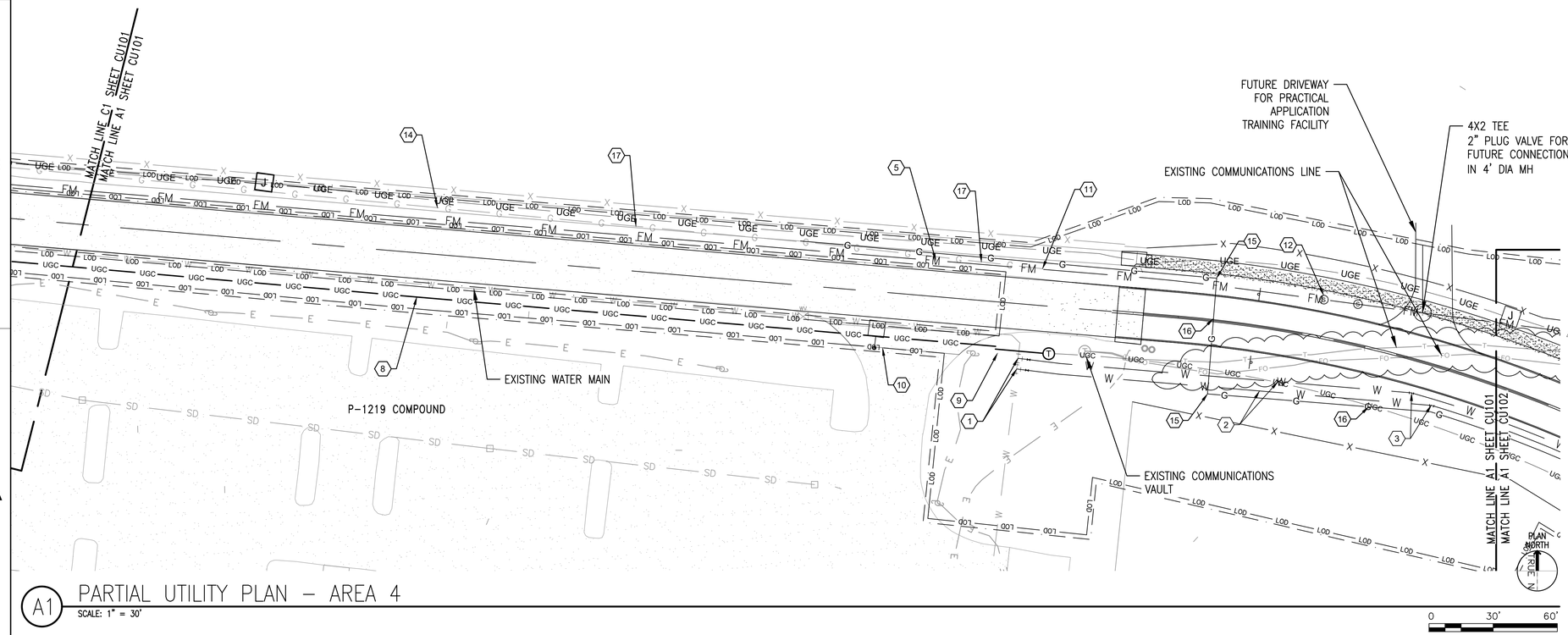


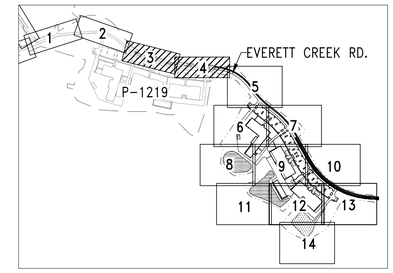
C1 PARTIAL UTILITY PLAN – AREA 3

SCALE: 1" = 30'



A1 PARTIAL UTILITY PLAN – AREA 4

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.
4. SEE A4/C-528 FOR P-1219 PUMP STATION UPGRADES.

KEY NOTES (1) :

1. CONNECT TO EXISTING WATER MAIN WITH 8" X 8" TAPPING SLEEVE AND VALVE, A1/C-525.
2. 8" DUCTILE IRON WATER MAIN, A3/C-524.
3. 8" DUCTILE IRON 22.5 DEG. ELBOW, A1/C-524.
4. CONNECT 8" PVC GRAVITY MAIN TO EXISTING MANHOLE, A4/C-516.
5. 4" PVC SANITARY SEWER FORCE MAIN.
6. 8" PVC GRAVITY SANITARY SEWER.
7. 48" ODOR CONTROLLED SANITARY SEWER MANHOLE, A1/C-527.
8. COMMUNICATIONS DUCT BANK, SEE TELECOMMUNICATIONS PLANS.
9. COMMUNICATIONS MANHOLE, SEE TELECOMMUNICATIONS PLANS.
10. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT FOR UTILITY INSTALLATION THEN PATCH WITH ASPHALT, C1/C-515.
11. APPROXIMATE LOCATION CAPPED 8" NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
12. SANITARY SEWER FORCE MAIN AIR RELEASE VALVE, B4/C-525.
13. NOT USED.
14. APPROXIMATE LOCATION OF 8" EXISTING NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
15. 90° 8" NATURAL GAS ELBOW, SEE NOTE 3, THIS SHEET.
16. 8" NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
17. REMOVE AS MUCH EXISTING NATURAL GAS PIPING AS NECESSARY TO PROVIDE ADEQUATE SEPARATION FROM THE NEW SANITARY FORCE MAIN FOR INSTALLATION. COORDINATE EXTENSION OF 8" NATURAL GAS FROM P-1219 WITH PIEDMONT NATURAL GAS. SEE NOTE 3, THIS SHEET. (1)

SYM	DESCRIPTION	DATE	APPR
1	UGC COORDINATION WITH TELECOM TEAM NOTE ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB

PM/DM SGL/MDM

BRANCH MANAGER DLB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ~ NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 3 & 4

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12902944

SHEET 127 OF 262

CU101

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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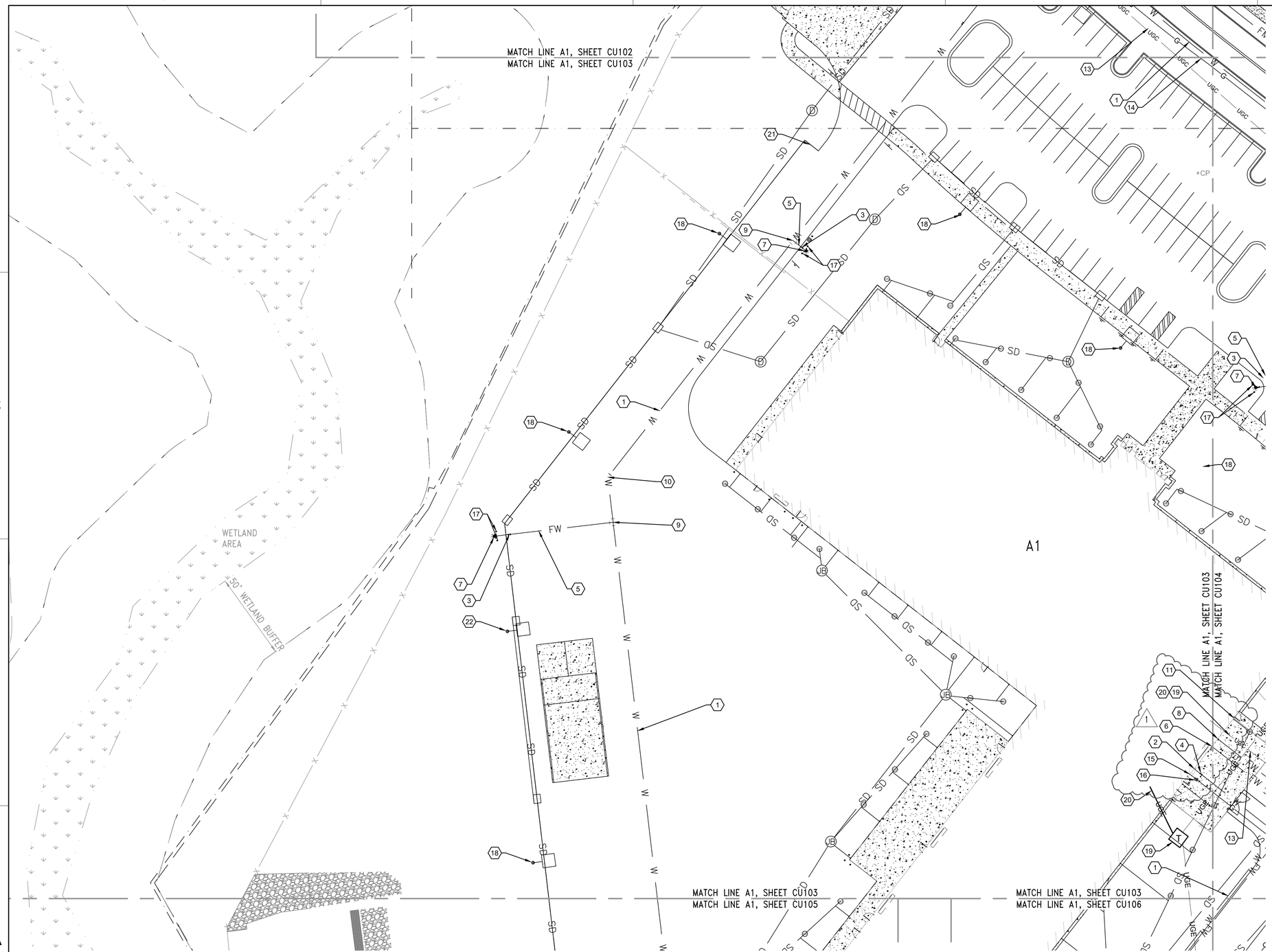

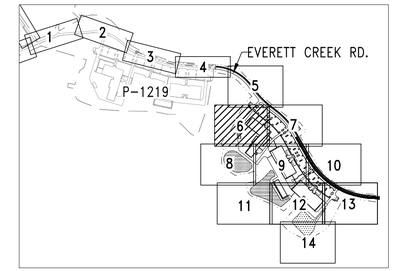

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.

KEY NOTES (1) :

1. 8" DUCTILE IRON WATER MAIN, A3/C-524.
2. 3" TYPE K COPPER DOMESTIC WATER SERVICE.
3. 6" GATE VALVE, D5/C-524.
4. 3" GATE VALVE, D5/C-524.
5. 6" DUCTILE IRON FIREWATER LINE, A3/C-524.
6. 8" DUCTILE IRON FIREWATER LINE, A3/C-524.
7. FIRE HYDRANT ASSEMBLY, C3/C-524.
8. TO FREE STANDING FIRE DEPARTMENT CONNECTION. C1/C-526.
9. 8" X 6" DUCTILE IRON TEE, A1/C-524.
10. 8" DUCTILE IRON 45 DEG. ELBOW, A1/C-524.
11. 2" CONDENSATE. TIE TO STORM HEADER.
12. SANITARY SEWER CLEANOUT, A1/C-523.
13. COMMUNICATIONS DUCT BANK, SEE TELECOMMUNICATIONS PLANS
14. 8" NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
15. 1 ½" NATURAL GAS LINE CONNECTION, SEE NOTE 3, THIS SHEET.
16. 1 ½" NATURAL GAS VALVE CONNECTION, SEE NOTE 3, THIS SHEET.
17. BOLLARD, C3/C-511.
18. PROVIDE SITE LIGHTING FIXTURE ON ALUMINUM POLE, SEE ELECTRICAL PLANS.
19. NEW PAD-MOUNT TRANSFORMER ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
20. PROVIDE SECONDARY ELECTRICAL SERVICE, SEE ELECTRICAL PLANS.
21. CONNECT ELECTRIC VEHICLE ACCESS GATE AND PEDESTRIAN GATE, SEE ELECTRICAL PLANS.
22. POLE, SEE ELECTRICAL PLANS.

PLAN NORTH
TRUE N

0 30' 60'

(A1) PARTIAL UTILITY PLAN – AREA 6

SCALE: 1" = 30'

SYM	REV BLDG UTIL CONNECTIONS DESCRIPTION	DATE	APPR
1		04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 6

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902946
SHEET	129 OF 262

CU103

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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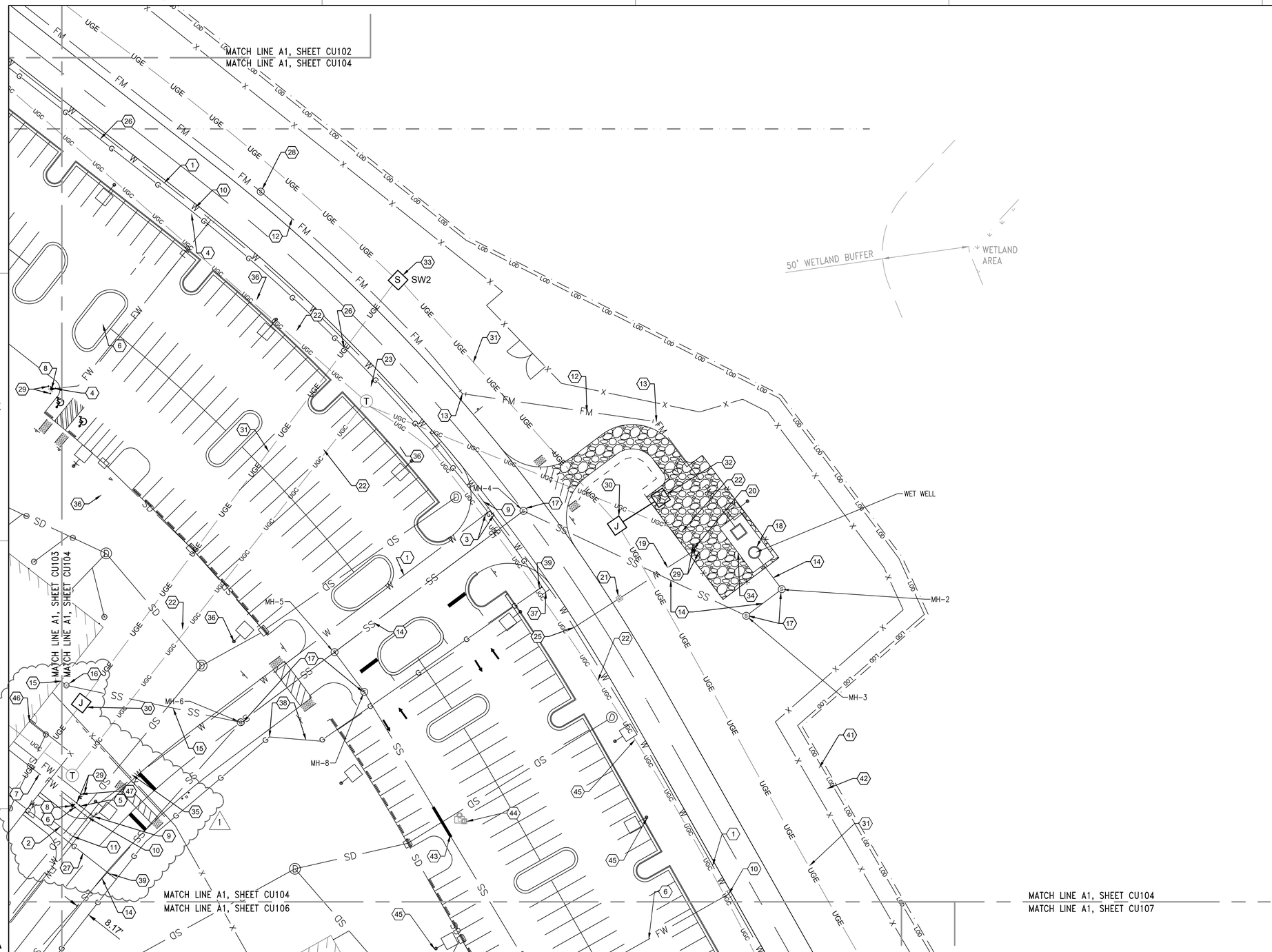
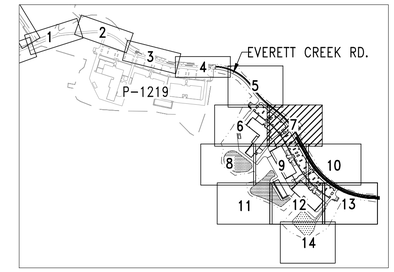


A1 PARTIAL UTILITY PLAN – AREA 7

SCALE: 1" = 30'



KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY PLAN NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.

KEY NOTES (1) :

1. 8" DUCTILE IRON WATER MAIN, A3/C-524.
2. 3" TYPE K COPPER DOMESTIC WATER SERVICE.
3. 8" GATE VALVE, D5/C-524.
4. 6" GATE VALVE, D5/C-524.
5. POST INDICATOR VALVE (PIV), A2/C-524.
6. 6" DUCTILE IRON FIREWATER LINE, A3/C-524.
7. 8" DUCTILE IRON FIREWATER LINE, A3/C-524.
8. FIRE HYDRANT ASSEMBLY, C3/C-524.
9. 8" X 8" DUCTILE IRON TEE, A1/C-524.
10. 8" X 6" DUCTILE IRON TEE, A1/C-524.
11. 8" X 3" DUCTILE IRON TEE, A1/C-524.
12. 4" PVC SANITARY SEWER FORCE MAIN.
13. 4" PVC 45 DEG. ELBOW.
14. 8" PVC GRAVITY SANITARY SEWER.
15. 4" PVC GRAVITY SANITARY SEWER.
16. SANITARY SEWER CLEANOUT, A1/C-523.
17. 48" SANITARY SEWER MANHOLE, A1/C-527.
18. SANITARY SEWER PUMP STATION, A1/C-528 AND C-529.
19. 3/4" TYPE K COPPER DOMESTIC WATER SERVICE, A1/C-526.
20. NON-FREEZE YARD HYDRANT, A5/C-524.
21. WATER METER ASSEMBLY, A1/C-526.
22. COMMUNICATIONS DUCT BANK, SEE TELECOMMUNICATIONS PLANS.
23. COMMUNICATIONS MANHOLE, SEE TELECOMMUNICATIONS PLANS.
24. NOT USED.
25. 3/4" SERVICE SADDLE WITH CORPORATION STOP.
26. 8" NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
27. 2" NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
28. SANITARY SEWER FORCE MAIN AIR RELEASE VALVE, B4/C-525.
29. BOLLARD, C3/C-511.
30. JUNCTION BOX ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
31. UNDERGROUND ELECTRIC, SEE ELECTRICAL PLANS.
32. TRANSFORMER ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
33. PAD-MOUNTED SWITCH, SEE ELECTRICAL PLANS.
34. LIFT STATION, SEE SHEET ES105 FOR MORE INFORMATION.
35. CONNECT ELECTRIC TO ACCESS GATE AND PEDESTRIAN GATE, SEE ELECTRICAL PLANS.
36. POLE FOR FUTURE CCTV CAMERA, SEE ELECTRICAL PLANS.
37. 8" NATURAL GAS LINE CAP WITH FINK POLE, SEE NOTE 3, THIS SHEET.
38. 90° 2" NATURAL GAS ELBOW, SEE NOTE 3, THIS SHEET.
39. 2" NATURAL GAS VALVE, SEE NOTE 3, THIS SHEET.
40. NOT USED.
41. PROJECT LIMITS.
42. LIMITS OF DISTURBANCE.
43. 20' DIP SANITARY SEWER UTILITY LINE CROSSING, C3/C-526.
44. ADJUST EXISTING LID RIM ELEVATION TO BE FLUSH WITH ASPHALT SURFACE GRADE
45. PROVIDE SITE LIGHTING FIXTURE ON ALUMINUM POLE, SEE ELECTRICAL PLANS.
46. 2" CONDENSATE. TIE TO STORM HEADER.
47. FREE STANDING FIRE DEPARTMENT CONNECTION. C1/C-526.

SYM	DESCRIPTION	DATE	APPR
1	REV BLDG UTIL CONNECTIONS	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB

PM/DM SGL/MDM

BRANCH MANAGER DLB XXX

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 7

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12902947

SHEET 130 OF 262

CU104

DRAWFORM REVISION: 25 AUGUST 2020

FINAL SUBMITTAL

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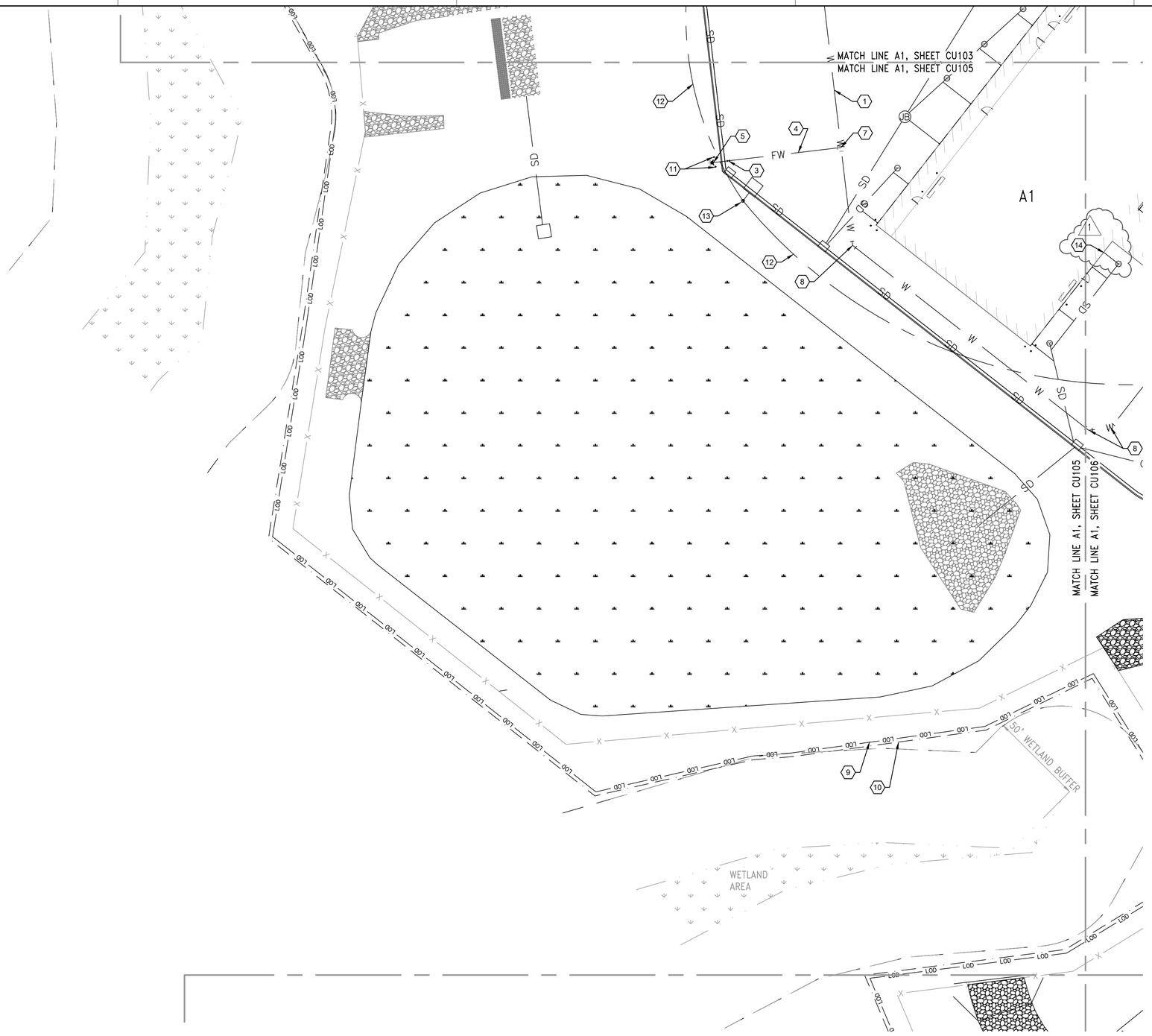

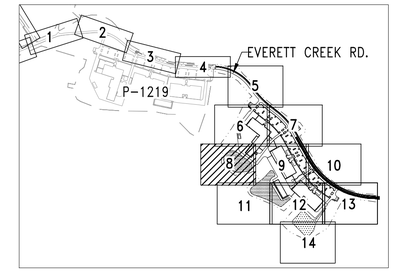

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY PLAN NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.

KEY NOTES (1) :

1. 8" DUCTILE IRON WATER MAIN, A3/C-524.
2. NOT USED.
3. 6" GATE VALVE.
4. 6" DUCTILE IRON FIREWATER LINE, A3/C-524.
5. FIRE HYDRANT ASSEMBLY, C3/C-524.
6. NOT USED.
7. 8" X 6" DUCTILE IRON TEE, A1/C-524.
8. 8" DUCTILE IRON 45 DEG. ELBOW, A1/C-524.
9. LIMITS OF DISTURBANCE.
10. PROJECT LIMITS.
11. BOLLARD, C3/C-511.
12. ELECTRIC LINE, SEE ELECTRICAL PLANS.
13. POLE, SEE ELECTRICAL PLANS.
14. 2" CONDENSATE. TIE TO STORM HEADER.

(A1) PARTIAL UTILITY PLAN – AREA 8
SCALE: 1" = 30'

SYM	REV BLDG UTIL CONNECTIONS DESCRIPTION	04JUN2026 DATE	VIN APPR
1			

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS
SEAL

Stantec

A/E INFO
APPROVED
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY
SATISFACTORY TO
DES RLB DRW JG CHK MDB
PM/DM SGL/MDM
BRANCH MANAGER DLB
CHIEF ENG/ARCH JWJ
FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ~ NORFOLK, VA.
IPT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 8

SCALE: AS INDICATED
EPROJECT NO.: 1701820
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12902948
SHEET 131 OF 262
CU105

FINAL SUBMITTAL
DRAWFORM REVISION: 25 AUGUST 2020

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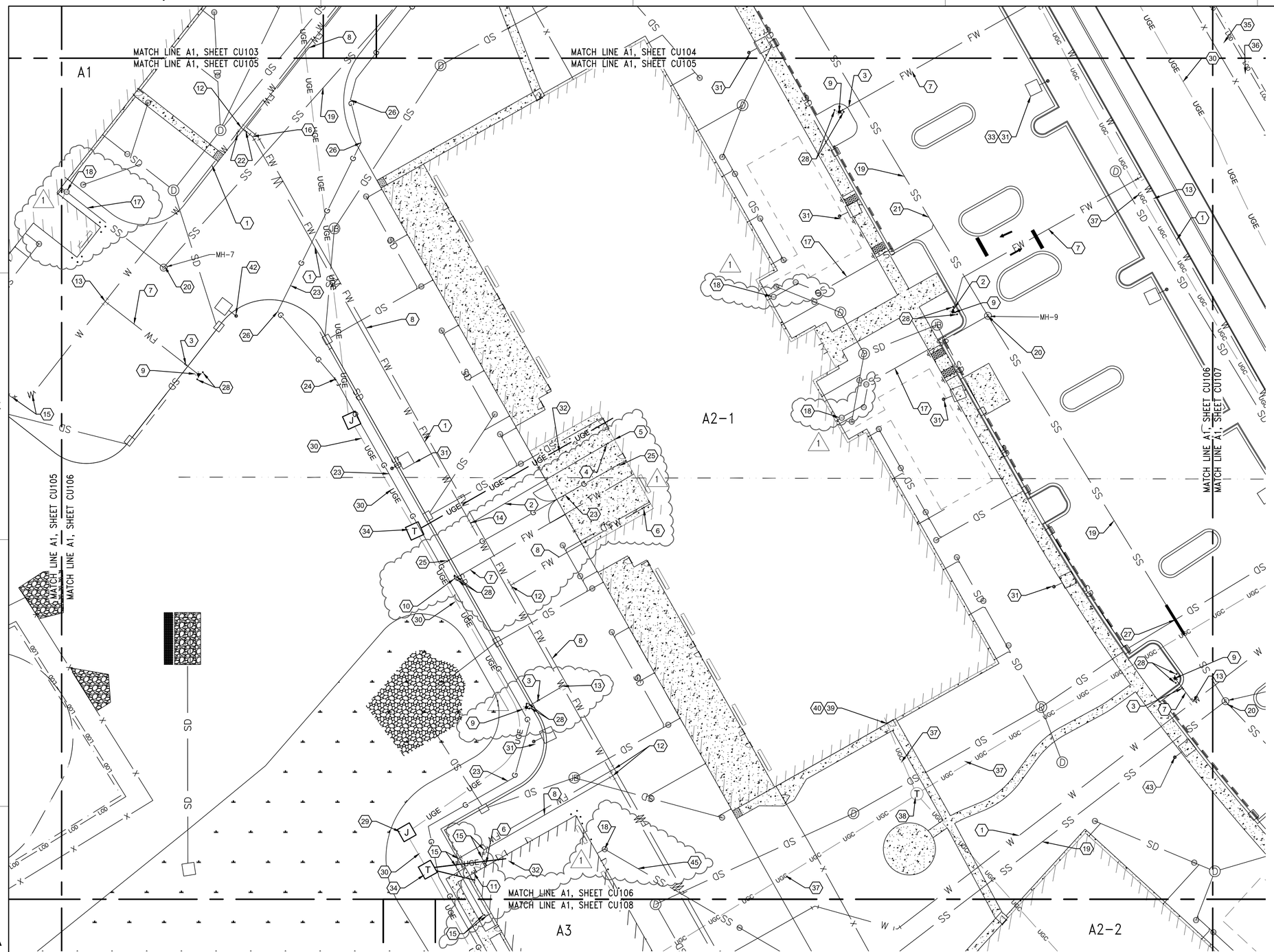
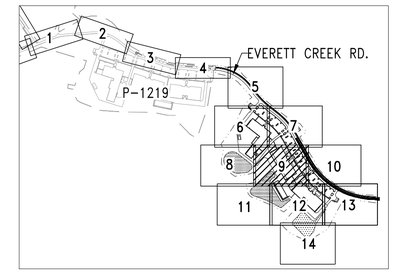


A1 PARTIAL UTILITY PLAN – AREA 9

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY PLAN NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.

KEY NOTES (1) :

1. 8" DUCTILE IRON WATER MAIN, A3/C-524.
2. 3" TYPE K COPPER DOMESTIC WATER SERVICE.
3. 6" GATE VALVE, D5/C-524.
4. 3" GATE VALVE, D5/C-524.
5. WATER METER & BACKFLOW PREVENTER ASSEMBLY (INSIDE MECHANICAL ROOM). SEE PLUMBING PLANS.
6. POST INDICATOR VALVE (PIV), A2/C-524.
7. 6" DUCTILE IRON FIREWATER LINE, A3/C-524.
8. 8" DUCTILE IRON FIREWATER LINE, A3/C-524.
9. FIRE HYDRANT ASSEMBLY, C3/C-524.
10. FREE STANDING FIRE DEPARTMENT CONNECTION, C1/C-526.
11. WALL MOUNTED FIRE DEPARTMENT CONNECTION. SEE FIRE PROTECTION PLANS.
12. 8" X 8" DUCTILE IRON TEE, A1/C-524.
13. 8" X 6" DUCTILE IRON TEE, A1/C-524.
14. 8" X 3" DUCTILE IRON TEE, A1/C-524.
15. 8" DUCTILE IRON 45 DEG. ELBOW, A1/C-524.
16. 8" DUCTILE IRON 22.5 DEG. ELBOW, A1/C-524.
17. 4" PVC GRAVITY SANITARY SEWER.
18. SANITARY SEWER CLEANOUT, A1/C-523.
19. 8" PVC GRAVITY SANITARY SEWER.
20. 48" SANITARY SEWER MANHOLE, A1/C-527.
21. SANITARY SEWER SERVICE TAP.
22. 8" GATE VALVE, D5/C-524.
23. 2" NATURAL GAS LINE, SEE NOTE 3, THIS SHEET.
24. 2" NATURAL GAS VALVE, SEE NOTE 3, THIS SHEET.
25. 2" NATURAL GAS CAP, SEE NOTE 3, THIS SHEET.
26. 2" NATURAL GAS 45 DEG. BEND, SEE NOTE 3, THIS SHEET.
27. 20' DIP SANITARY SEWER UTILITY LINE CROSSING, C3/C-526.
28. BOLLARD, C3/C-511.
29. JUNCTION BOX ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
30. UNDERGROUND ELECTRIC, SEE ELECTRICAL PLANS.
31. PROVIDE SITE LIGHTING ON ALUMINUM POLE, SEE ELECTRICAL PLANS.
32. NEW SECONDARY ELECTRICAL SERVICE CONDUCTORS, SEE ELECTRICAL PLANS.
33. POLE SHALL HAVE A 12 FOOT PENETRATION FOR FUTURE CCTV CAMERA, SEE ELECTRICAL PLANS.
34. NEW PAD-MOUNT TRANSFORMER, SEE ELECTRICAL PLANS.
35. LIMITS OF DISTURBANCE.
36. PROJECT LIMITS.
37. COMMUNICATION DUCK BANK, SEE TELECOMMUNICATIONS PLANS.
38. COMMUNICATION MANHOLE, SEE TELECOMMUNICATIONS PLANS.
39. COMMUNICATION SERVICE ENTRANCE, SEE ELECTRICAL PLANS.
40. STUB CONDUIT FOR COMMUNICATION, SEE ELECTRICAL PLANS.
41. NOT USED.
42. SITE LIGHTING FIXTURE ON POLE WITH PENETRATION FOR FUTURE CCTV CAMERA, SEE ELECTRICAL PLANS.
43. POLE, SEE ELECTRICAL PLANS.
44. ELECTRICAL LINE, SEE ELECTRICAL PLANS.
45. 4" DIP GRAVITY SANITARY SEWER LAT. @ 0.41%.

SYM	REV	BLDG	UTIL	CONNECTIONS	DESCRIPTION	DATE	APPR
1						04JUN2020	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2020 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB

PM/DM SGL/MDM

BRANCH MANAGER DLB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
1PT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 9

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12902949

SHEET 132 OF 262

CU106

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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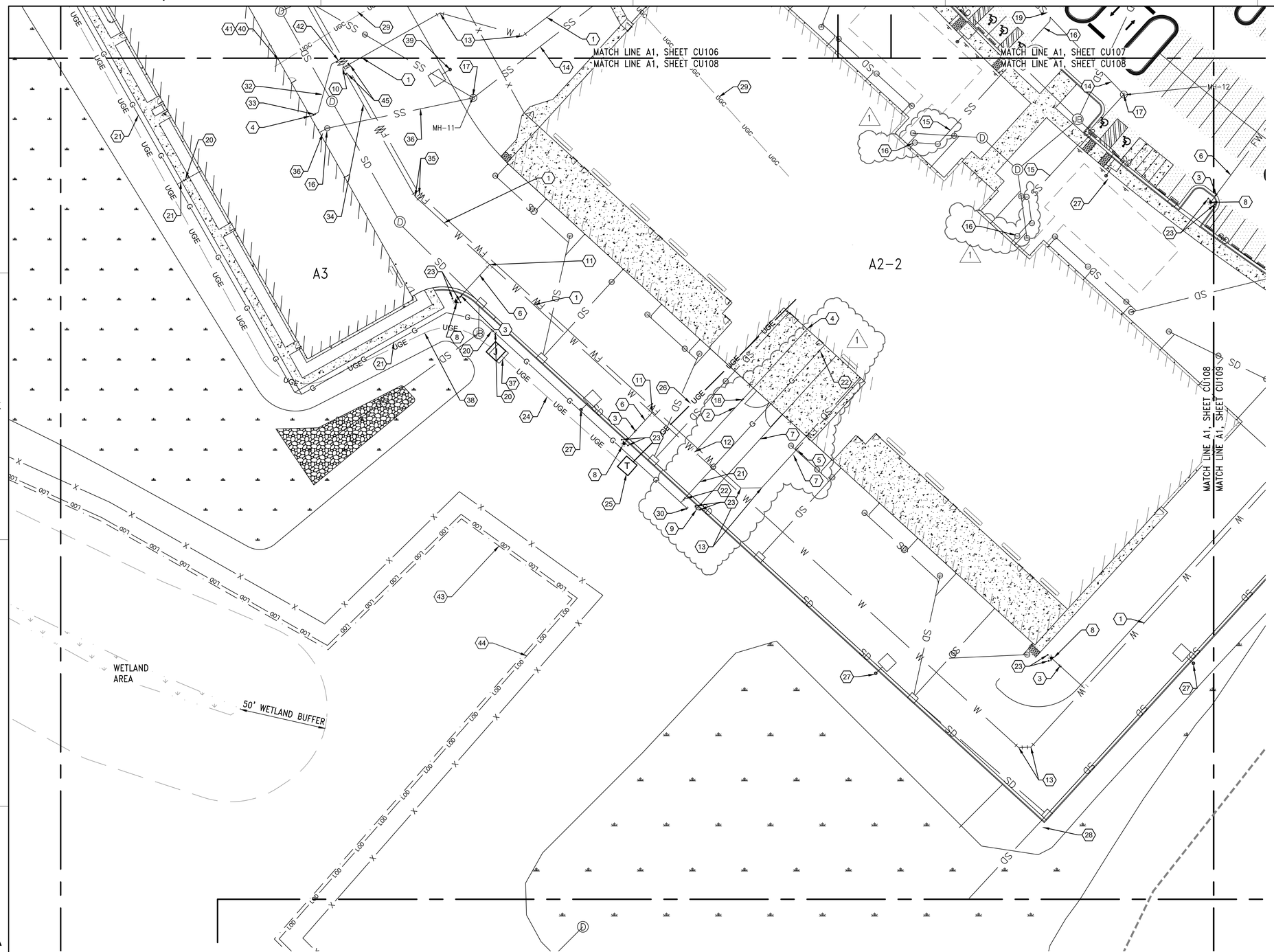
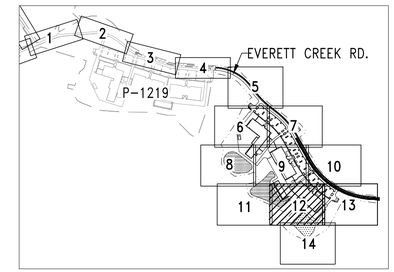


A1 PARTIAL UTILITY PLAN – AREA 12

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY PLAN NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.

KEY NOTES (1) :

1. 8" DUCTILE IRON WATER MAIN, A3/C-524.
2. 3" TYPE K COPPER DOMESTIC WATER SERVICE.
3. 6" GATE VALVE, D5/C-524.
4. WATER METER & BACKFLOW PREVENTER ASSEMBLY (INSIDE MECHANICAL ROOM). SEE PLUMBING PLANS.
5. POST INDICATOR VALVE (PIV), A2/C-524.
6. 6" DUCTILE IRON FIREWATER LINE, A3/C-524.
7. 8" DUCTILE IRON FIREWATER LINE, A3/C-524.
8. FIRE HYDRANT ASSEMBLY, C3/C-524.
9. FREE STANDING FIRE DEPARTMENT CONNECTION, C1/C-526.
10. 8" X 8" DUCTILE IRON TEE, A1/C-524.
11. 8" X 6" DUCTILE IRON TEE, A1/C-524.
12. 8" X 3" DUCTILE IRON TEE, A1/C-524.
13. 8" DUCTILE IRON 45 DEG. ELBOW, A1/C-524.
14. 8" PVC GRAVITY SANITARY SEWER.
15. 4" PVC GRAVITY SANITARY SEWER.
16. SANITARY SEWER CLEANOUT, A1/C-523.
17. 48" SANITARY SEWER MANHOLE, A1/C-527.
18. 3" GATE VALVE D5/C-524.
19. SANITARY SEWER TAP.
20. 2"GAS LINE CAP, SEE NOTE 3, THIS SHEET.
21. 2" NATURAL GAS LINE, SEE GAS PLANS.
22. GAS LINE VALVE, SEE GAS PLANS.
23. BOLLARD, C3/C-511.
24. ELECTRIC LINE, SEE ELECTRICAL PLANS.
25. NEW PAD-MOUNT TRANSFORMER ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
26. SECONDARY ELECTRICAL LINE, SEE ELECTRICAL PLANS.
27. POLE, SEE ELECTRICAL PLANS.
28. CCTV CAMERA POLE, SEE ELECTRICAL PLANS.
29. COMMUNICATION DUCK BANK, SEE TELECOMMUNICATIONS PLANS.
30. NATURAL GAS END CAP WITH TEST BOX, SEE GAS PLANS.
31. NOT USED.
32. 2" TYPE K COPPER DOMESTIC WATER SERVICE.
33. 2" GATE VALVE D5/C-524.
34. SERVICE SADDLE WITH CORP STOP.
35. DUCTILE IRON 22.5 DEG. ELBOW, A1/C-524.
36. 4" DIP GRAVITY SANITARY SEWER.
37. PROVIDE ABOVE-GROUND JUNCTION BOX ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
38. NEW UNDERGROUND ELECTRIC, ELECTRICAL PLANS.
39. PROVIDE SITE LIGHTING ON ALUMINUM POLE, SEE ELECTRICAL PLANS.
40. COMMUNICATION STUB CONDUIT, SEE TELECOMMUNICATIONS PLANS.
41. APPROXIMATE LOCATION OF BUILDING COMMUNICATION SERVICE ENTRANCE, SEE ELECTRICAL PLANS.
42. 1.5 CORPORATION STOP.
43. PROJECT LIMITS.
44. LIMITS OF DISTURBANCE.
45. 8" GATE VALVE, D5/C-524.

SYM	DESCRIPTION	DATE	APPR
1	REV BLDG UTIL CONNECTIONS	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB

PM/DM SGL/MDM

BRANCH MANAGER DLB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ~ NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 12

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12902951

SHEET 134 OF 262

CU108

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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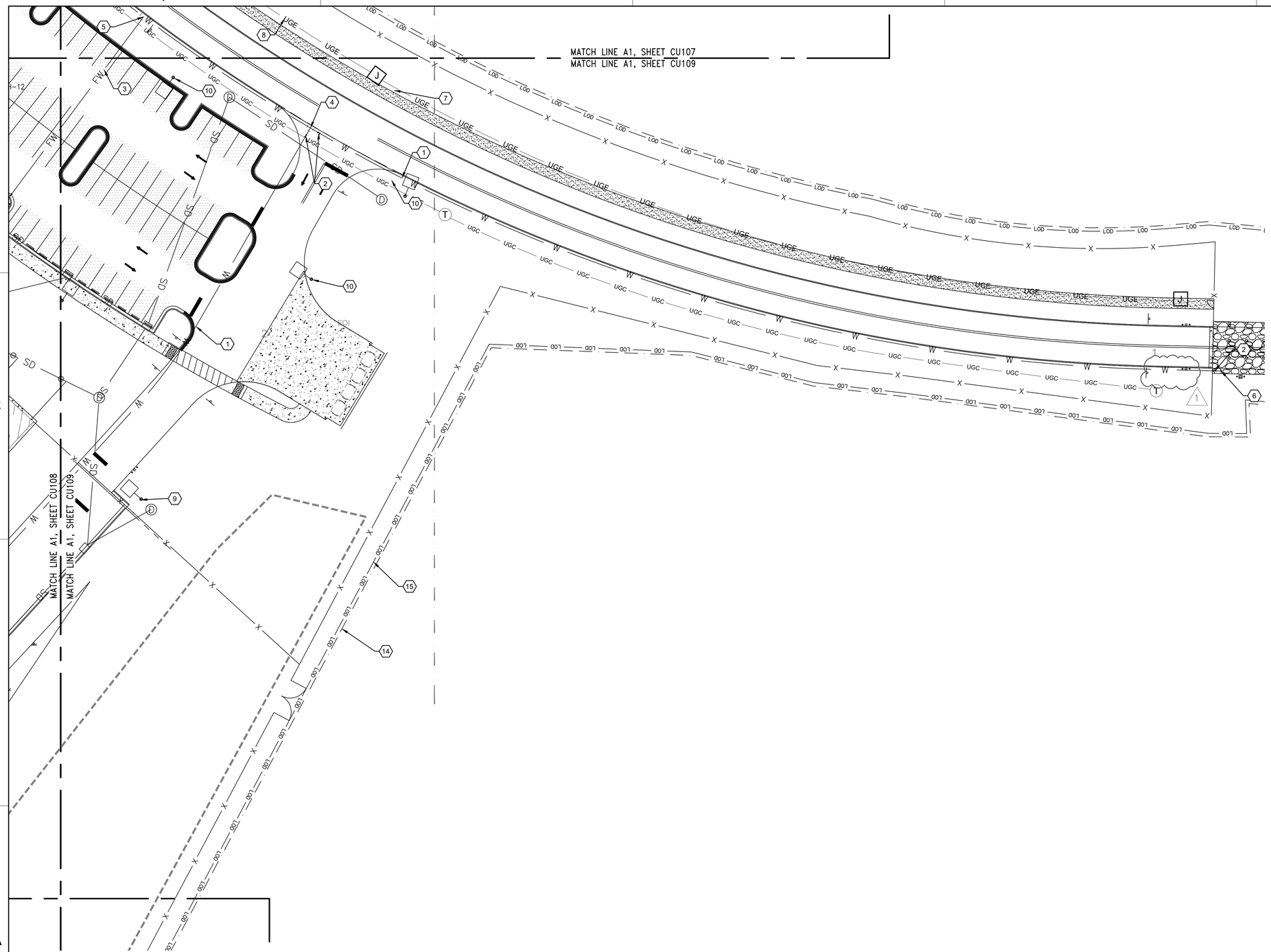
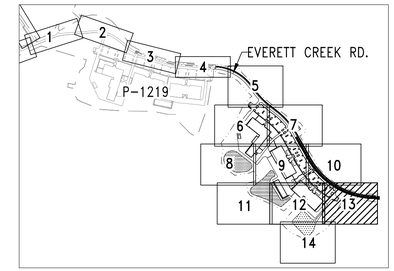


A1 PARTIAL UTILITY PLAN – AREA 13

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET C-001 FOR LEGENDS AND ABBREVIATIONS AND VF001 FOR SURVEY NOTES AND CONTROL POINTS.
2. REFER TO SHEET CU100 FOR GENERAL UTILITY PLAN NOTES.
3. DESIGN AND INSTALLATION OF NATURAL GAS LINE IS TO BE DELEGATED BY PIEDMONT NATURAL GAS.

KEY NOTES (1) :

1. 8" DUCTILE IRON WATER MAIN, A3/C-524.
2. 8" GATE VALVE, D5/C-524.
3. 6" DUCTILE IRON FIREWATER LINE, A3/C-524.
4. 8" X 8" DUCTILE IRON TEE, A1/C-524.
5. 8" X 6" DUCTILE IRON TEE, A1/C-524.
6. BLOW OFF ASSEMBLY, C1/C-525.
7. JUNCTION BOX ON CONCRETE BOXPAD, SEE ELECTRICAL PLANS.
8. ELECTRIC LINE, SEE ELECTRICAL PLANS.
9. POLE, SEE ELECTRICAL PLANS.
10. CONNECT VEHICLE ACCESS GATE AND PEDESTRIAN GATE, SEE ELECTRICAL PLANS.
11. COMMUNICATION BANK, SEE TELECOMMUNICATIONS PLANS.
12. COMMUNICATION MANHOLE, SEE TELECOMMUNICATIONS PLANS.
13. NOT USED.
14. PROJECT LIMITS.
15. LIMITS OF DISTURBANCE.

SYM	DESCRIPTION	DATE	APPR
1	OBJECT MOVED TO DEMO PLAN	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

NAVAL FACILITIES ENGINEERING COMMAND

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC

NAVAL STATION - NORFOLK, VA.

IPT MARINE

MARINE CORPS BASE

CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREA 13

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902952
SHEET	135 OF 262

CU109

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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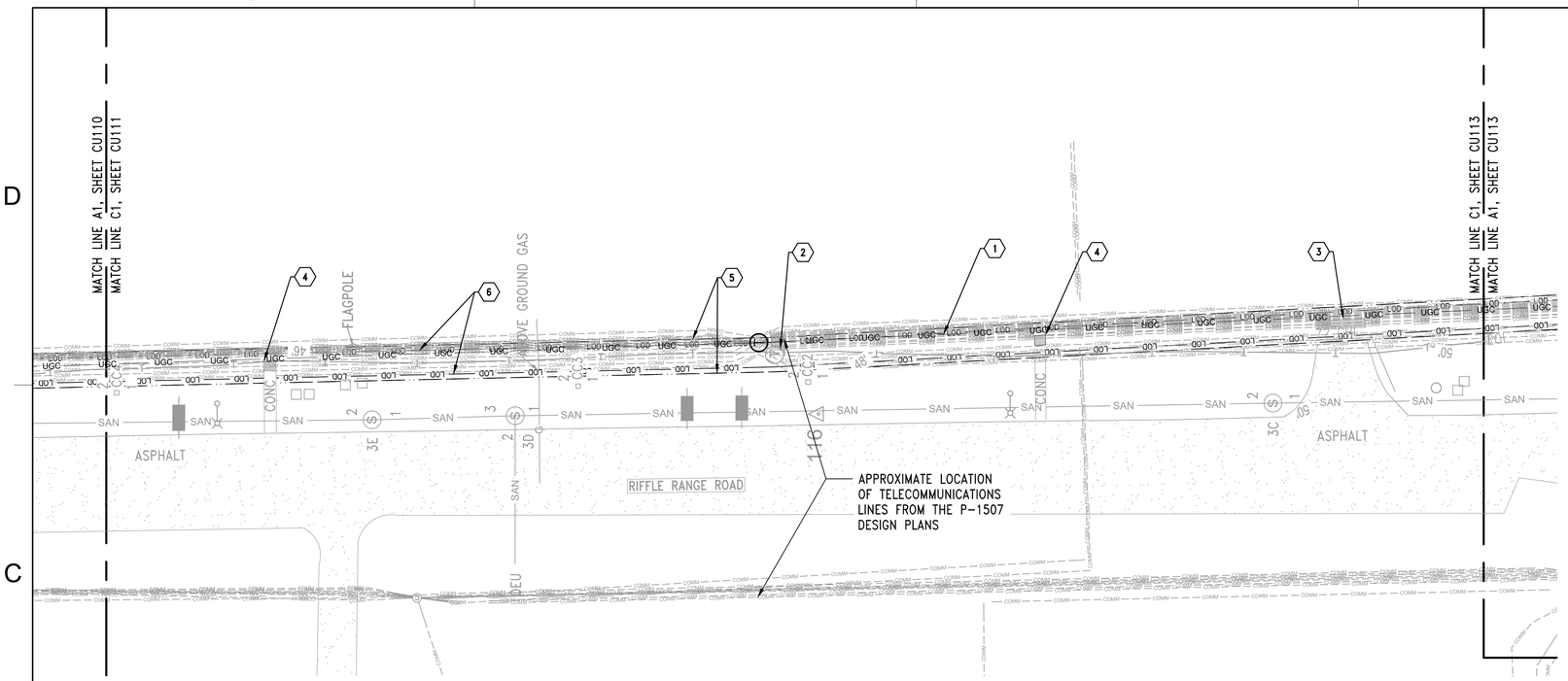
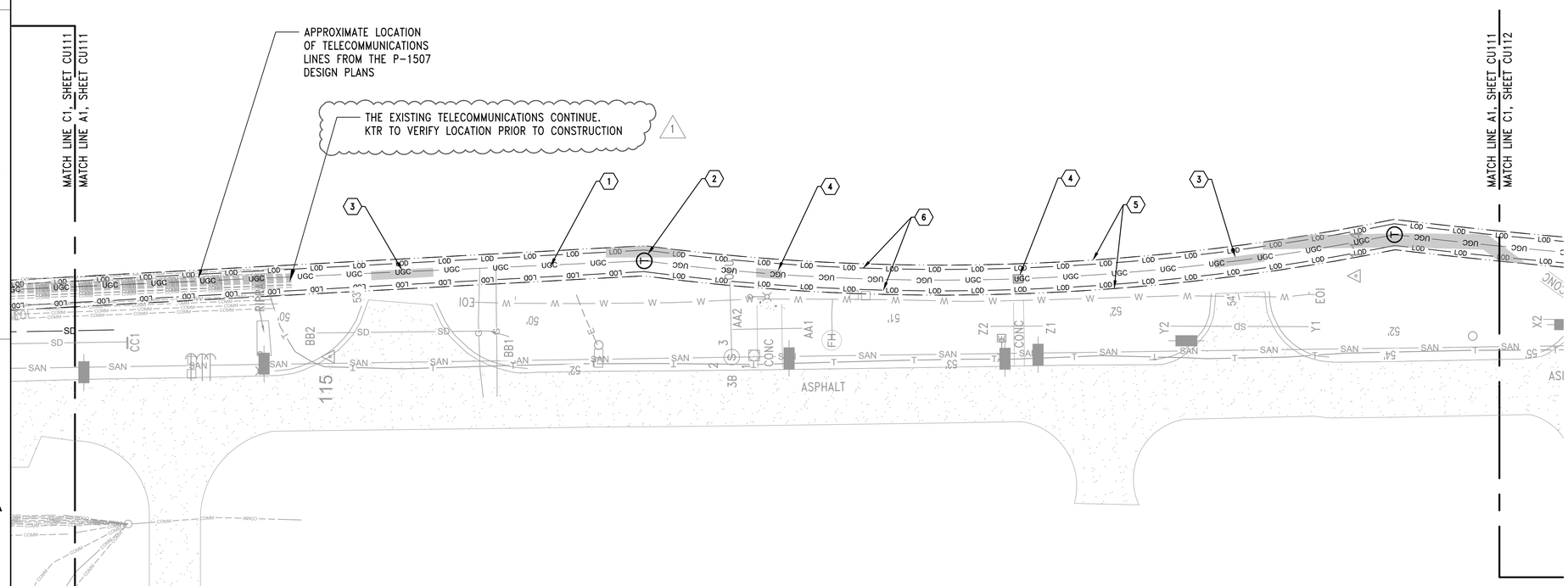
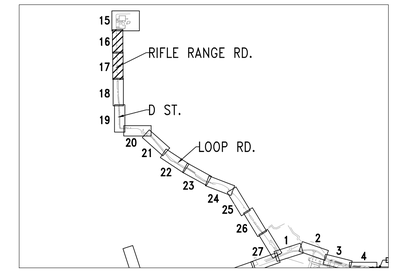


C1 PARTIAL UTILITY PLAN – AREA 16
SCALE: 1" = 30'



A1 PARTIAL UTILITY PLAN – AREA 17
SCALE: 1" = 30'



KEY MAP
SCALE: 1" = 2,000'

NOTES:

1. REFER TO SHEET C-001 FOR NOTES, LEGEND AND CONTROL POINTS.
2. SURVEY WAS SUPPLEMENTED WITH APPROXIMATE LOCATION OF TELECOMMUNICATION LINES BASED ON DESIGN PLANS FOR 1507 PROVIDED BY GOVERNMENT.
3. CONTRACTOR WILL ONLY CONSTRUCT COMMUNICATIONS DUCT BANK IN SEGMENT LENGTHS THAT ALLOW FOR EXCAVATION, INSTALLATION OF COMMUNICATIONS DUCT BANK, BACK FILL AND GROUND STABILIZATION TO BE COMPLETED ON THE SAME DAY.

KEY NOTES (1) :

1. COMMUNICATIONS DUCT BANK, SEE TELECOMMUNICATIONS PLANS.
2. COMMUNICATIONS MANHOLE, SEE TELECOMMUNICATIONS PLANS.
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT FOR UTILITY INSTALLATION THEN PATCH WITH ASPHALT, C1/C-515.
4. SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK TO THE NEAREST JOINT FOR UTILITY INSTALLATION, THE REPAVE WITH CONCRETE SIDEWALK, B4/C-511.
5. PROJECT LIMITS.
6. LIMITS OF DISTURBANCE.

SYM	DESCRIPTION	DATE	APPR
1	TELECOMMUNICATIONS NOTE ADDED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS
SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM			SGL/MDM
BRANCH MANAGER			DLB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION – NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREAS 16 & 17

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902954
SHEET 137 OF 262	

CU111

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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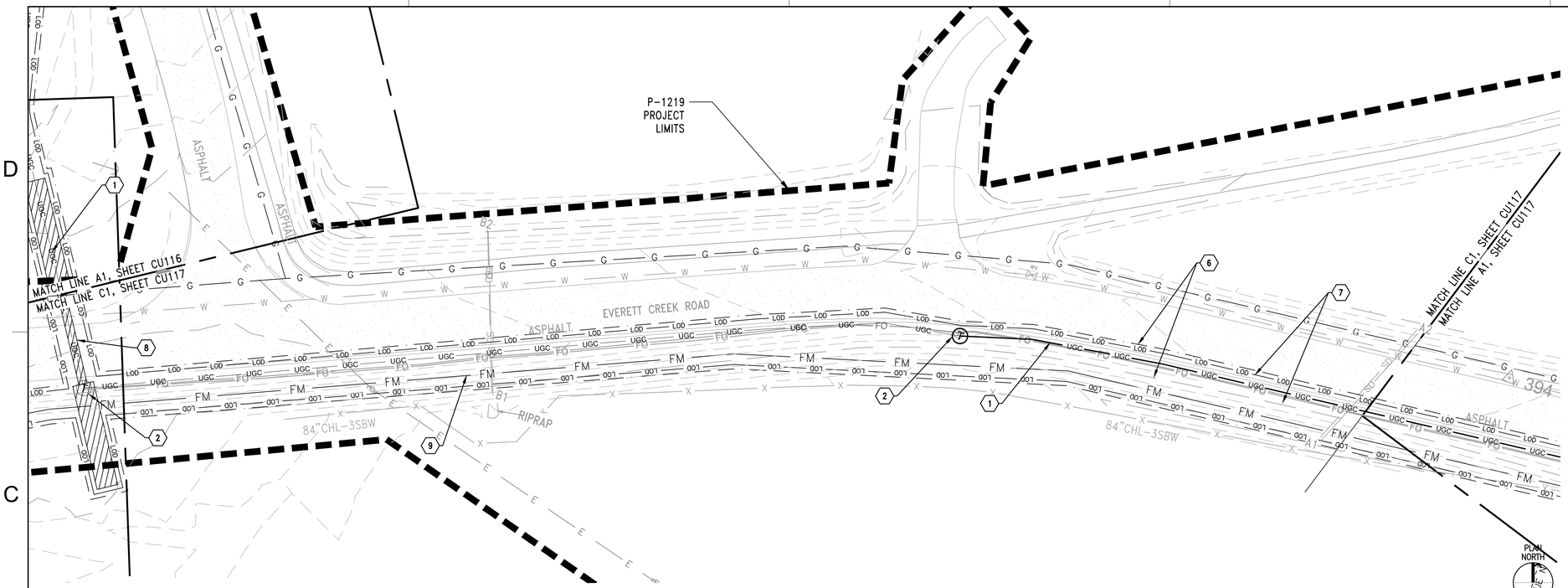
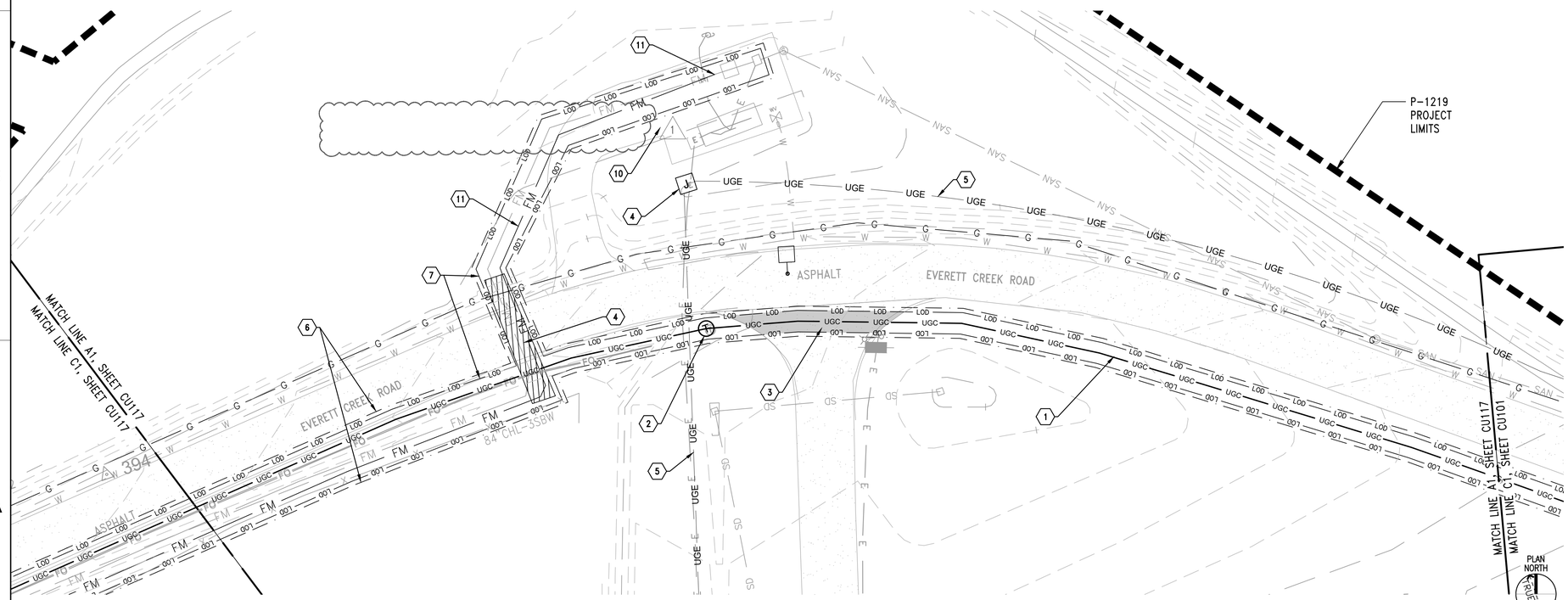


C1 PARTIAL UTILITY PLAN – AREA 1

SCALE: 1" = 30'

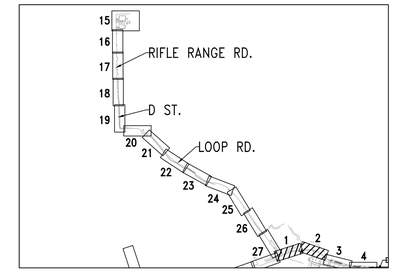
0 30' 60'



A1 PARTIAL UTILITY PLAN – AREA 2

SCALE: 1" = 30'

0 30' 60'



KEY MAP

SCALE: 1" = 2,000'

NOTES:

1. REFER TO SHEET C-001 FOR NOTES, LEGEND AND CONTROL POINTS.
2. SURVEY WAS SUPPLEMENTED WITH APPROXIMATE LOCATION OF TELECOMMUNICATION LINES BASED ON DESIGN PLANS FOR 1507 PROVIDED BY GOVERNMENT.
3. CONTRACTOR WILL ONLY CONSTRUCT COMMUNICATIONS DUCT BANK IN SEGMENT LENGTHS THAT ALLOW FOR EXCAVATION, INSTALLATION OF COMMUNICATIONS DUCT BANK, BACK FILL AND GROUND STABILIZATION TO BE COMPLETED ON THE SAME DAY.
4. OPEN CUT EXCAVATION TO INSTALL UTILITIES

KEY NOTES (1):

1. COMMUNICATIONS DUCT BANK, SEE TELECOMMUNICATIONS PLANS.
2. COMMUNICATIONS MANHOLE, SEE TELECOMMUNICATIONS PLANS.
3. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT FOR UTILITY INSTALLATION THEN PATCH WITH ASPHALT, C1/C-515.
4. EXISTING JUNCTION BOX, SEE ELECTRICAL PLANS.
5. NEW UNDERGROUND ELECTRIC, SEE ELECTRICAL PLANS.
6. PROJECT LIMITS.
7. LIMITS OF DISTURBANCE.
8. HORIZONTAL DIRECTION BORE APPROXIMATELY 49 LINEAR FEET UNDER ROADWAY. DESIGN DELEGATED BY THE CONTRACTOR, A1/CU-211.
9. CHECK VALVE
10. REMOVAL AND REPLACEMENT OF THE EXISTING FENCE TO INSTALL FORCE MAIN.
11. NEW 6" FM LINE TO BE CONNECTED TO 4" FM AT THE DIP TO PVC COUPLING ADAPTOR. CONTRACTOR TO CONSTRUCT ENTIRE 6" FM AND COORDINATE PUMP SHUTDOWN AND CONNECTION WITH OWNER.

SYM	DESCRIPTION	DATE	APPR
1	DUPLICATE FORCE MAIN AND FENCE REMOVED	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
1ST MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREAS 1 & 2

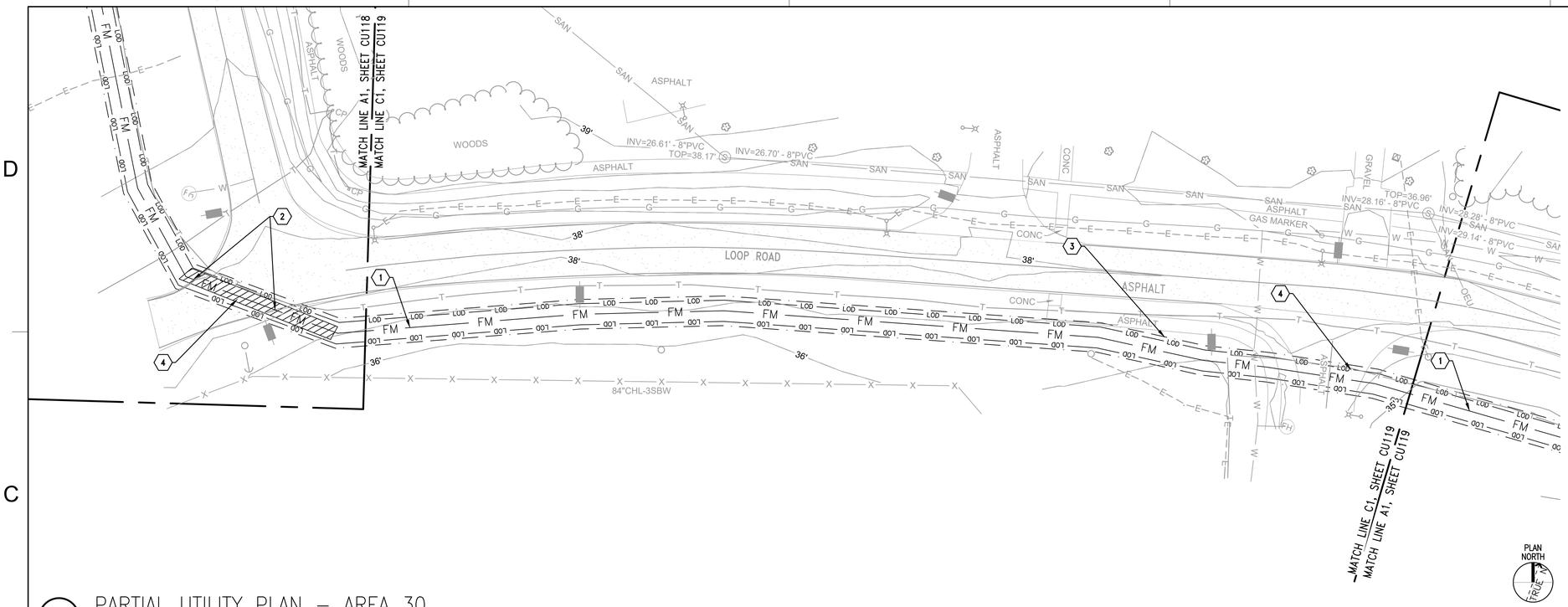
SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902960
SHEET	143 OF 262

CU117

FINAL SUBMITTAL

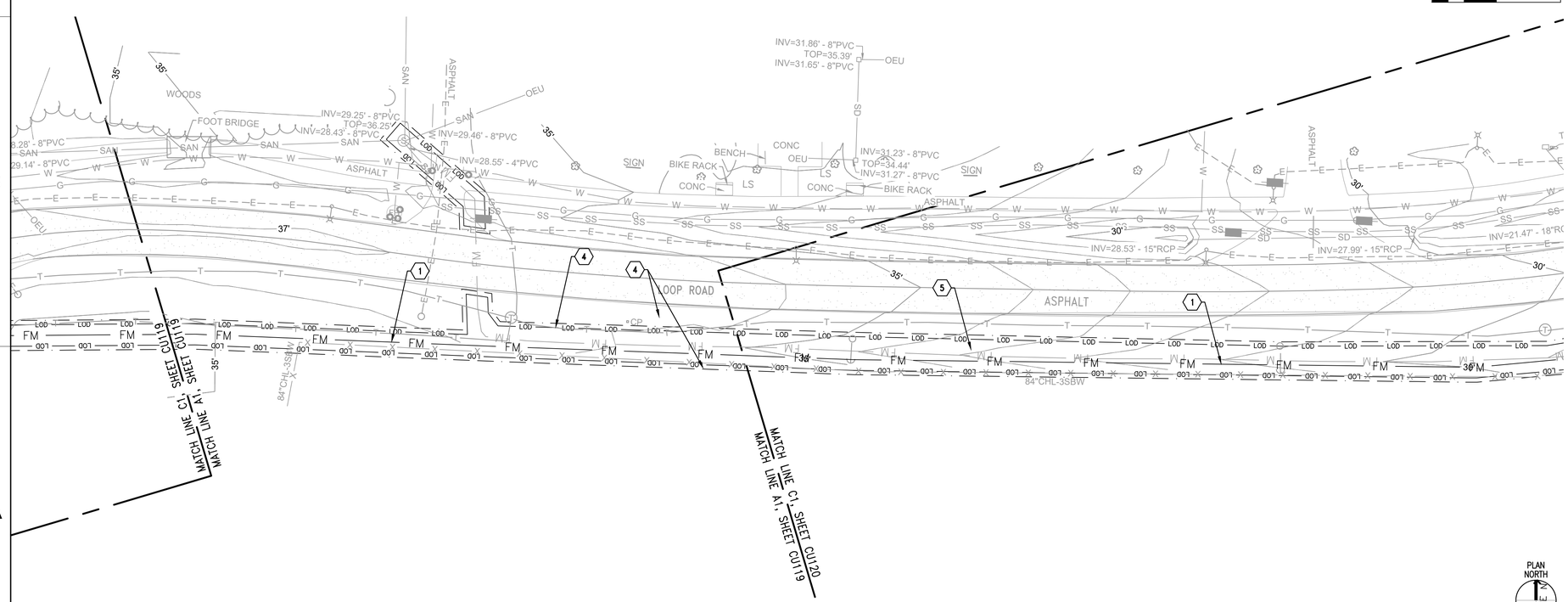
DRAWFORM REVISION: 25 AUGUST 2020

\\usa5564-pofs01\workgroup215\Section\215617202\design\civil\cad\sheets\phase-1\C\117.dwg
2026/06/10 3:30 PM By: Garcia, Jonathan (ABeats)



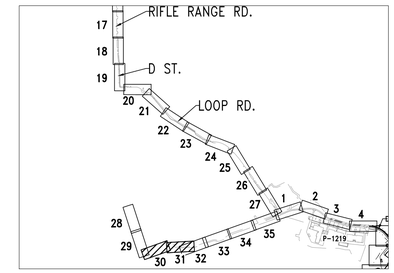
C1 PARTIAL UTILITY PLAN – AREA 30

SCALE: 1" = 30'



A1 PARTIAL UTILITY PLAN – AREA 31

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 2,000'

NOTE:

1. REFER TO SHEET C-001 FOR NOTES, LEGEND AND CONTROL POINTS.
2. SURVEY WAS SUPPLEMENTED WITH APPROXIMATE LOCATION OF TELECOMMUNICATION LINES BASED ON DESIGN PLANS FOR 1507 PROVIDED BY GOVERNMENT.
3. CONTRACTOR WILL ONLY CONSTRUCT COMMUNICATIONS DUCT BANK IN SEGMENT LENGTHS THAT ALLOW FOR EXCAVATION, INSTALLATION OF COMMUNICATIONS DUCT BANK, BACK FILL AND GROUND STABILIZATION TO BE COMPLETED ON THE SAME DAY.
4. OPEN CUT EXCAVATION TO INSTALL UTILITIES

KEY NOTES (1) :

1. 6" PVC FORCE MAIN
2. HORIZONTAL DIRECTIONAL BORING
3. PROJECT LIMITS.
4. LIMITS OF DISTURBANCE.
5. DEMOLISH EXISTING FORCE MAIN ONCE NEW 6" FORCE MAIN IS INSTALLED AND OPERATIONAL.

SYM	DESCRIPTION	DATE	APPR
1	EXISTING FORCE MAIN LOCATION REVISED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREAS 30 & 31

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902962
SHEET	145 OF 262

CU119

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

\\us0564-pgfs01\workgroup2256\active\215517029\design\civil\cad\sheets\phase-1\CU119.dwg
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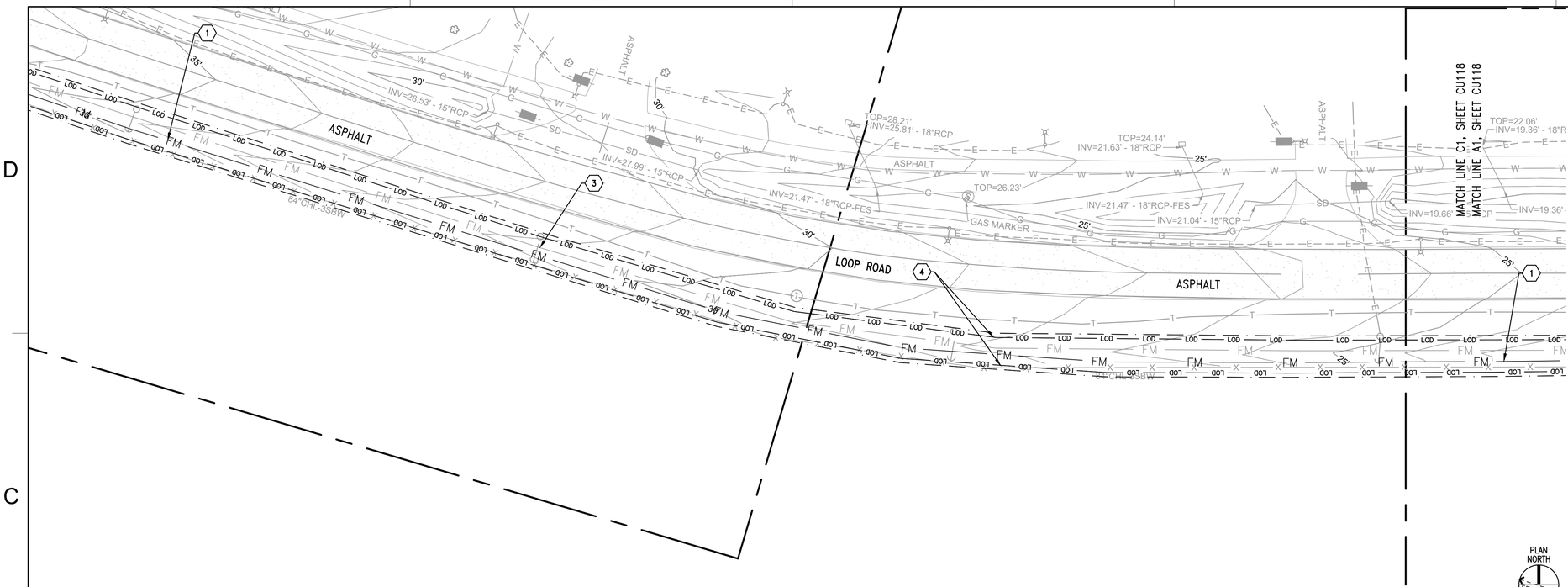
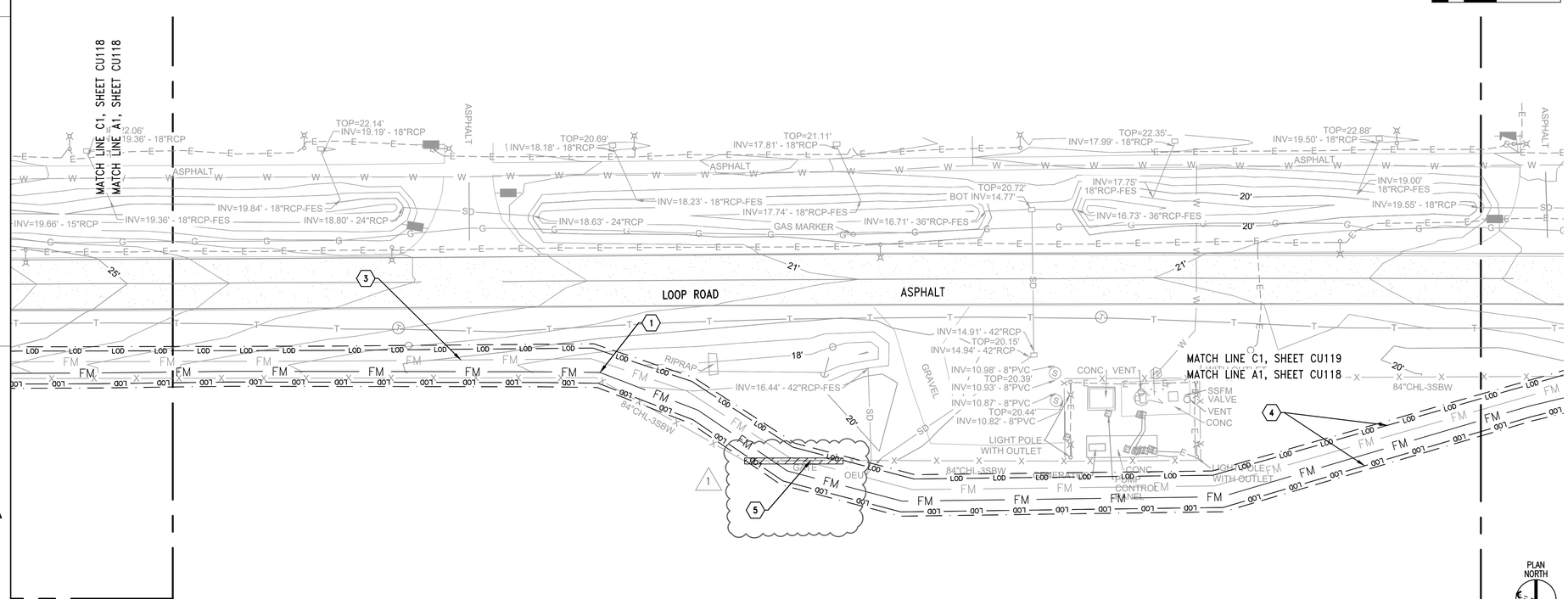


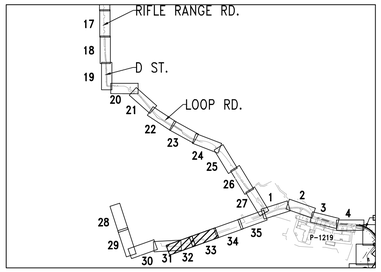
C1 PARTIAL UTILITY PLAN – AREA 32

SCALE: 1" = 30'



A1 PARTIAL UTILITY PLAN – AREA 33

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 2,000'

NOTE:

1. REFER TO SHEET C-001 FOR NOTES, LEGEND AND CONTROL POINTS.
2. CONTRACTOR WILL ONLY CONSTRUCT FORCE MAIN IN SEGMENT LENGTHS THAT ALLOW FOR EXCAVATION, INSTALLATION OF FORCE MAIN, BACK FILL AND GROUND STABILIZATION TO BE COMPLETED ON THE SAME DAY.

KEY NOTES (1) :

1. 6" PVC FORCE MAIN
2. NOT USED.
3. DEMOLISH EXISTING FORCE MAIN ONCE NEW 6" FORCE MAIN IS INSTALLED AND OPERATIONAL.
4. LIMITS OF DISTURBANCE.
5. REMOVE AND REPLACE FENCE DURING FORCE MAIN CONSTRUCTION.

SYM	DESCRIPTION	DATE	APPR
1	NOTE ADDED TO REMOVE AND REPLACE FENCE	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

NAVAL FACILITIES ENGINEERING COMMAND

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC

NAVAL STATION - NORFOLK, VA

IPT MARINE

MARINE CORPS BASE

CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREAS 32 & 33

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902963
SHEET	146 OF 262

CU120

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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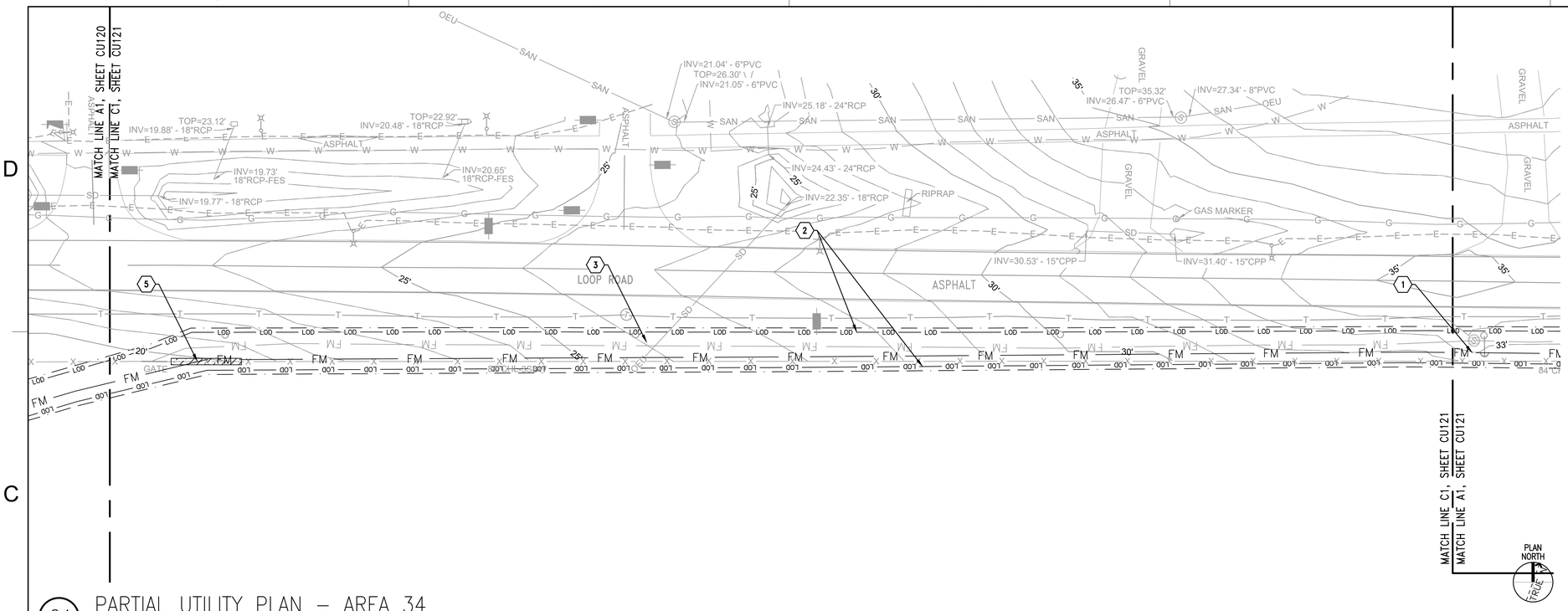
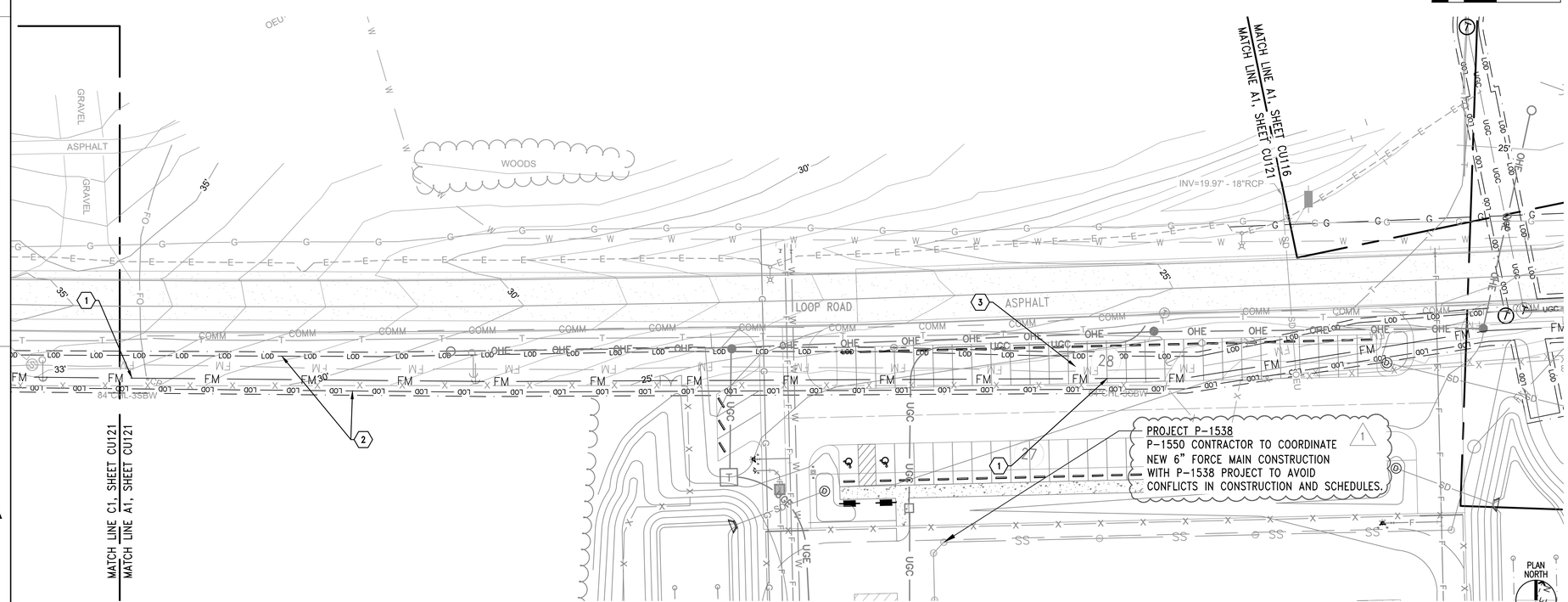


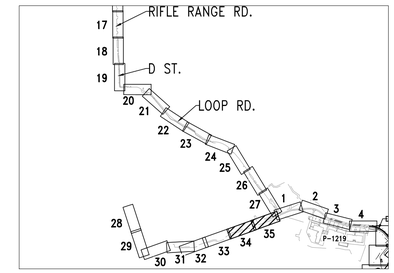
C1 PARTIAL UTILITY PLAN – AREA 34

SCALE: 1" = 30'



A1 PARTIAL UTILITY PLAN – AREA 35

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 2,000'

NOTE:

1. REFER TO SHEET C-001 FOR NOTES, LEGEND AND CONTROL POINTS.
2. CONTRACTOR WILL ONLY CONSTRUCT FORCE MAIN IN SEGMENT LENGTHS THAT ALLOW FOR EXCAVATION, INSTALLATION OF FORCE MAIN, BACK FILL AND GROUND STABILIZATION TO BE COMPLETED ON THE SAME DAY.

KEY NOTES (1) :

1. 6" PVC FORCE MAIN
2. LIMITS OF DISTURBANCE.
3. DEMOLISH EXISTING FORCE MAIN ONCE NEW 6" FORCE MAIN IS INSTALLED AND OPERATIONAL.
5. REMOVE AND REPLACE FENCE DURING FORCE MAIN CONSTRUCTION.

SYM	DESCRIPTION	DATE	APPR
1	EXISTING FORCE MAIN LOCATION REVISED	04/JUN/2026	WN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL UTILITY PLAN – AREAS 34 & 35

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902964
SHEET	147 OF 262

CU121

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

\\us0564-spfile01\workgroup\21561\active\215617029\design\civil\cadfiles\site\phase-1\CU121.dwg
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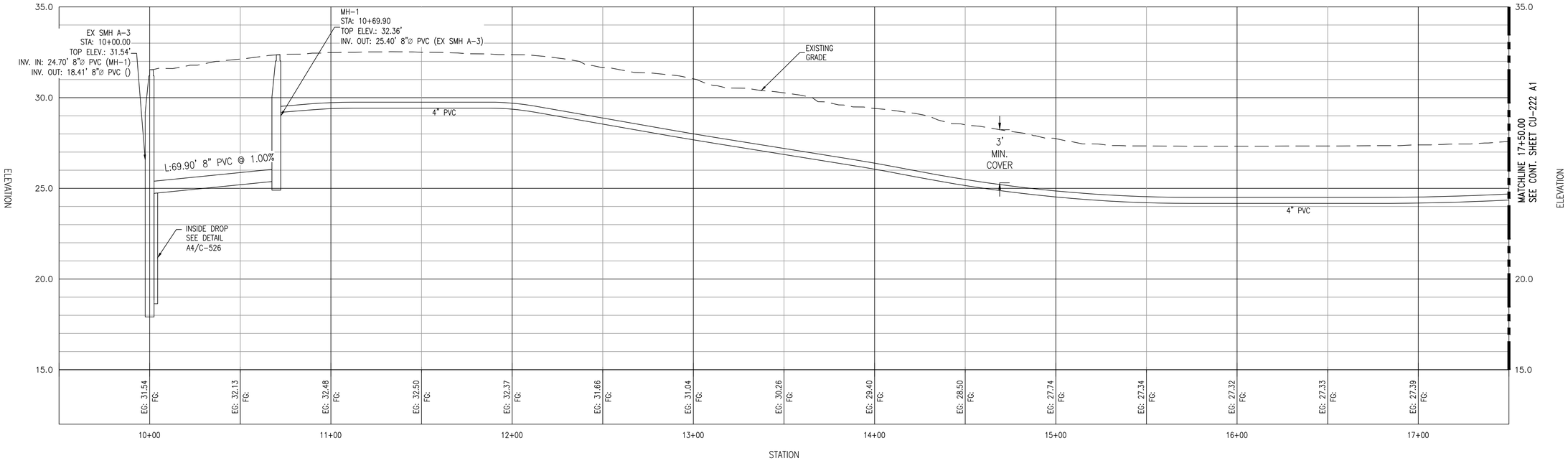
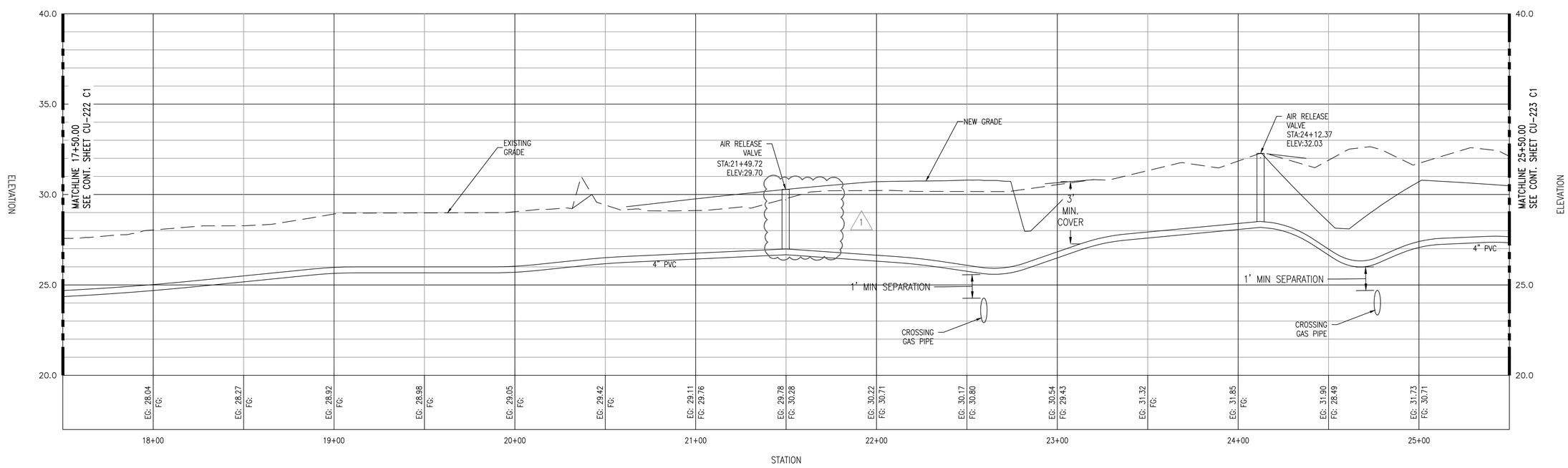


C1 FORCE MAIN SEWER PROFILE (FROM STA. 10+00.00 TO 17+50.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'



A1 FORCE MAIN SEWER PROFILE (FROM STA. 17+50.00 TO 25+50.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	VALVES ADJUSTED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE: AS INDICATED
EPROJECT NO.: 1701820
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12902987
SHEET 170 OF 262

CU222

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

\\us0564-vpfiso01\work\proj\21561\active\215617022\design\civil\cad\sheets\phase-1\CU222.dwg
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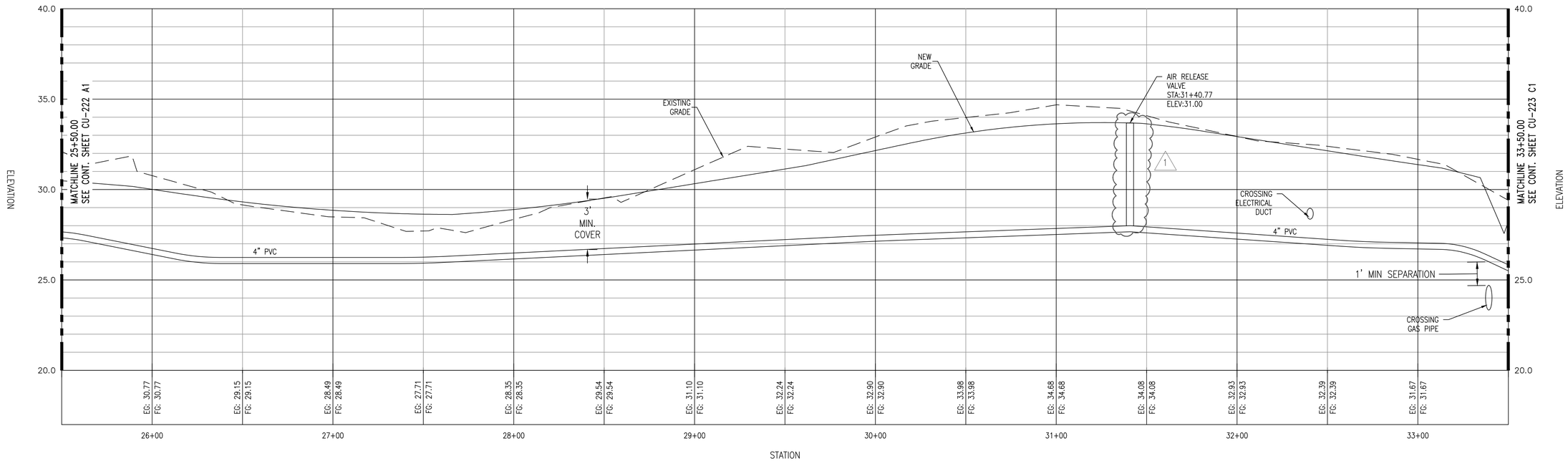
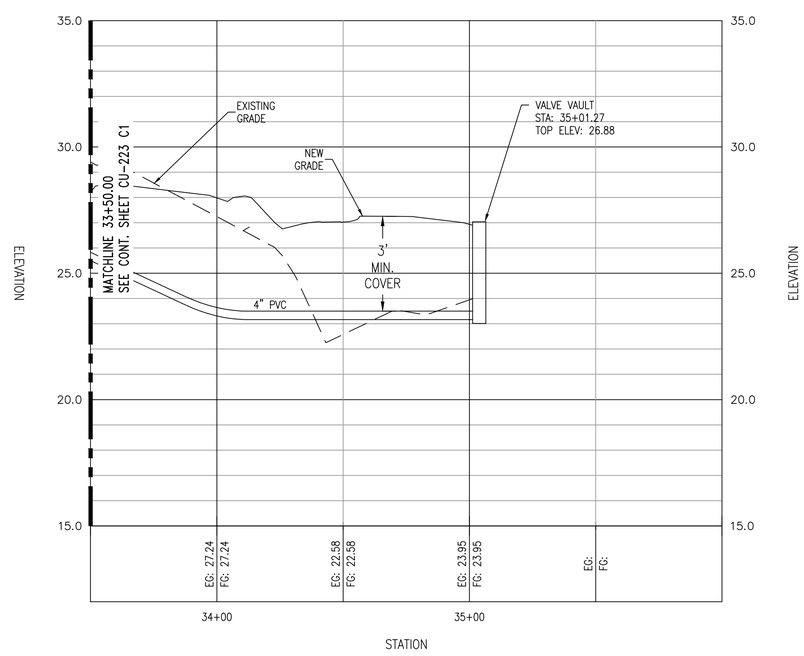


C1 FORCE MAIN SEWER PROFILE (FROM STA. 25+50.00 TO 33+50.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'



A1 FORCE MAIN SEWER PROFILE (FROM STA. 33+50.00 TO 35+01.27)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	VALVES ADJUSTED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILES

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902988
SHEET	171 OF 262

CU223

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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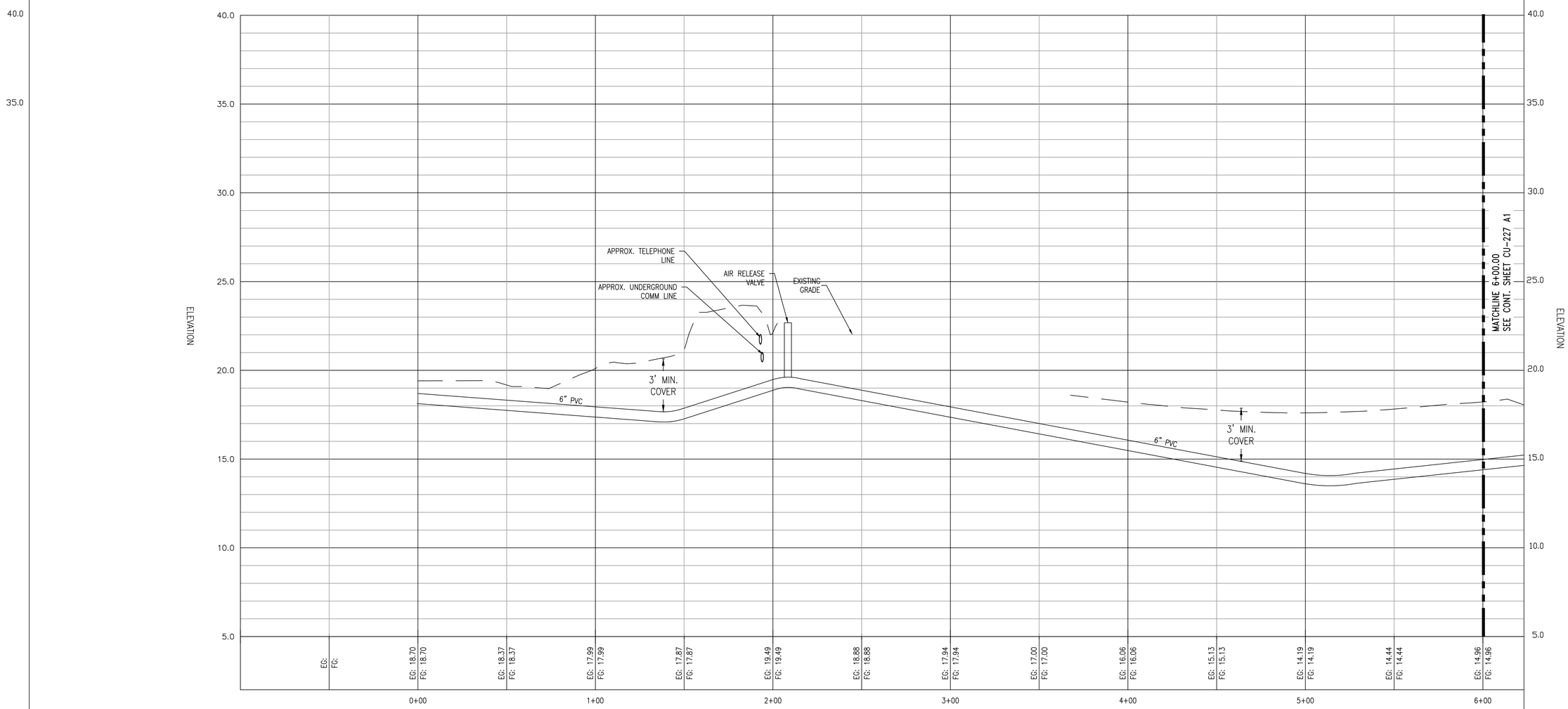

A1 FORCE MAIN SEWER PROFILE (FROM STA. 0+00.00 TO 6+00.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	SURFACE UPDATED AND CHECK VALVES REMOVED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED
DIRECTOR, CIV. DIV.
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
1PT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902989
SHEET	172 OF 262

CU224

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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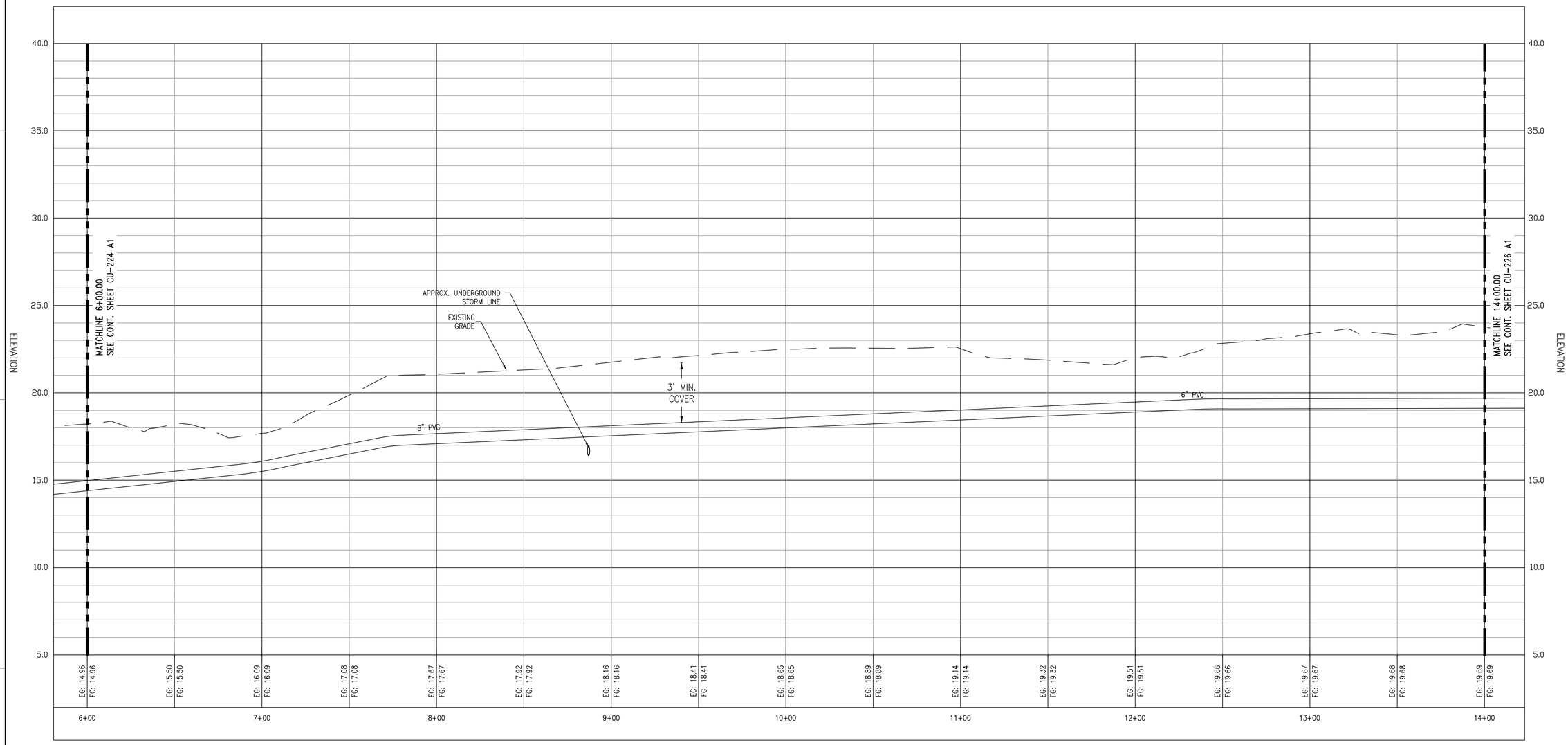

A1 FORCE MAIN SEWER PROFILE (FROM STA. 6+00.00 TO 14+00.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	SURFACE UPDATED AND CHECK VALVES REMOVED	04JUN2026	WN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED
(NAVFAC P.E.)

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1ST MARINE MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902990
SHEET	173 OF 262

CU225

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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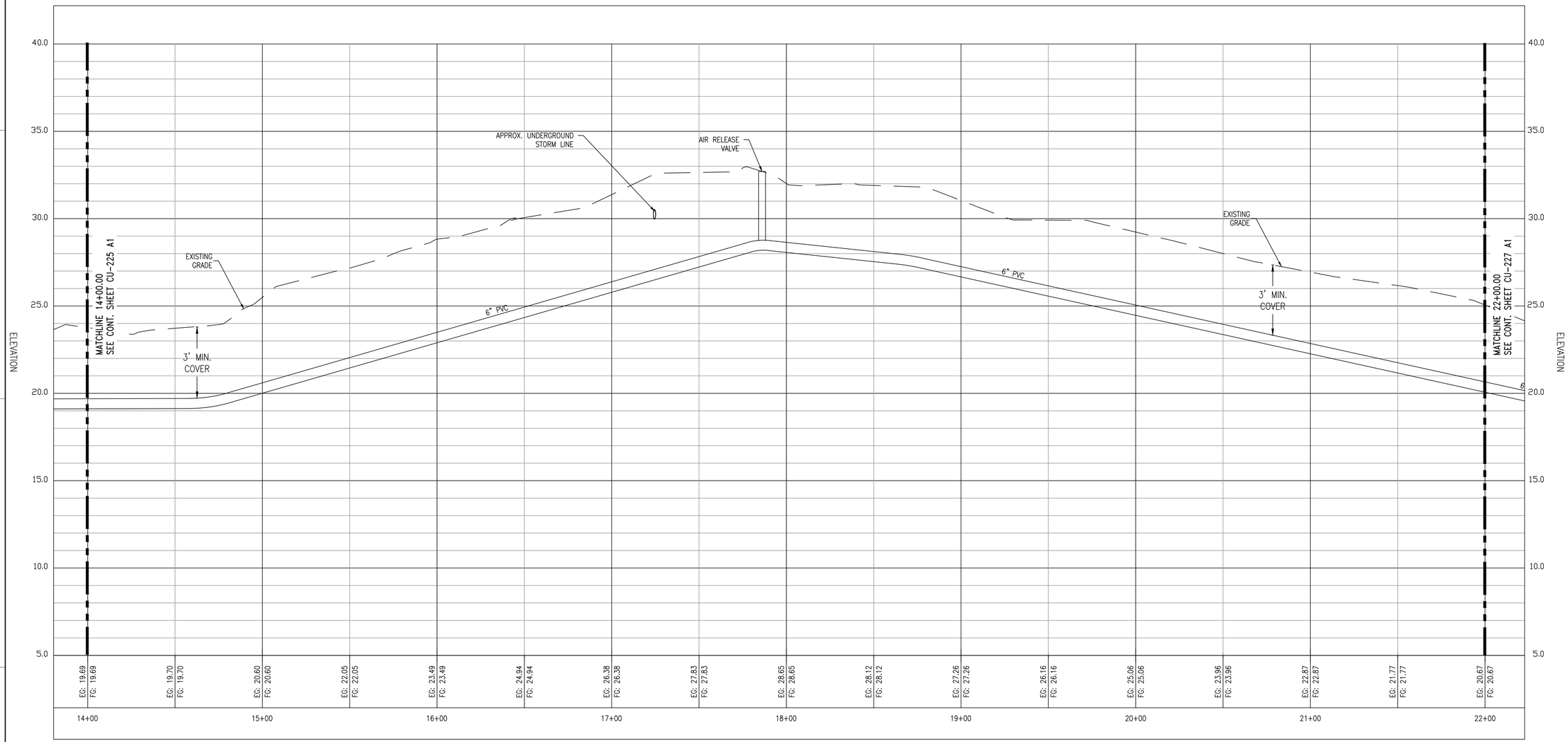

A1 FORCE MAIN SEWER PROFILE (FROM STA. 14+00.00 TO 22+00.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	SURFACE UPDATED AND CHECK VALVES REMOVED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB

PM/DM SGL/MDM

BRANCH MANAGER DLB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

NAVAL FACILITIES ENGINEERING COMMAND

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL STATION - NORFOLK, VA.
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12902991

SHEET 174 OF 262

CU226

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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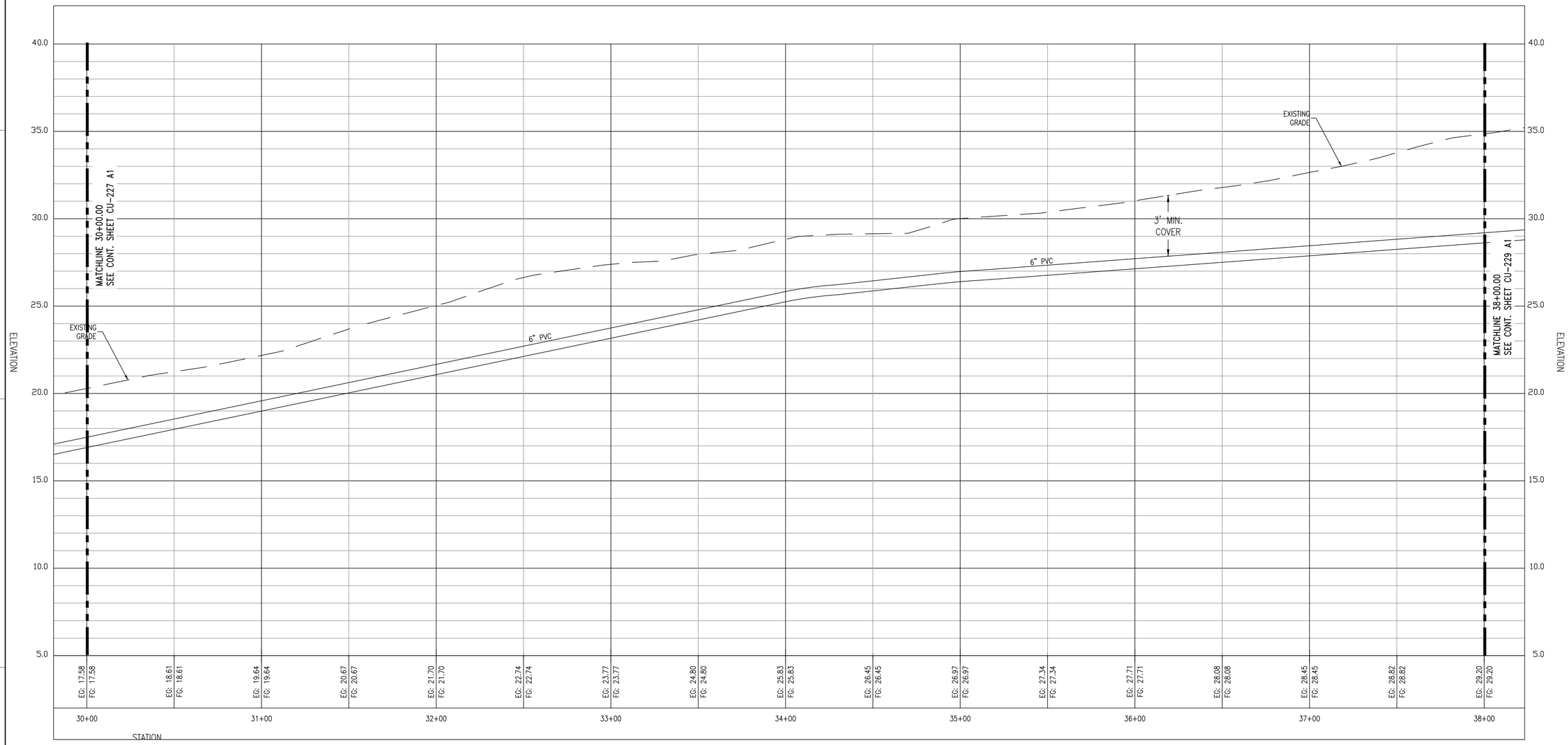

A1 FORCE MAIN SEWER PROFILE (FROM STA. 30+00.00 TO 38+00.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	REMOVED CHECK VALVES	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG	CHK	MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902993
SHEET	176 OF 262

CU228

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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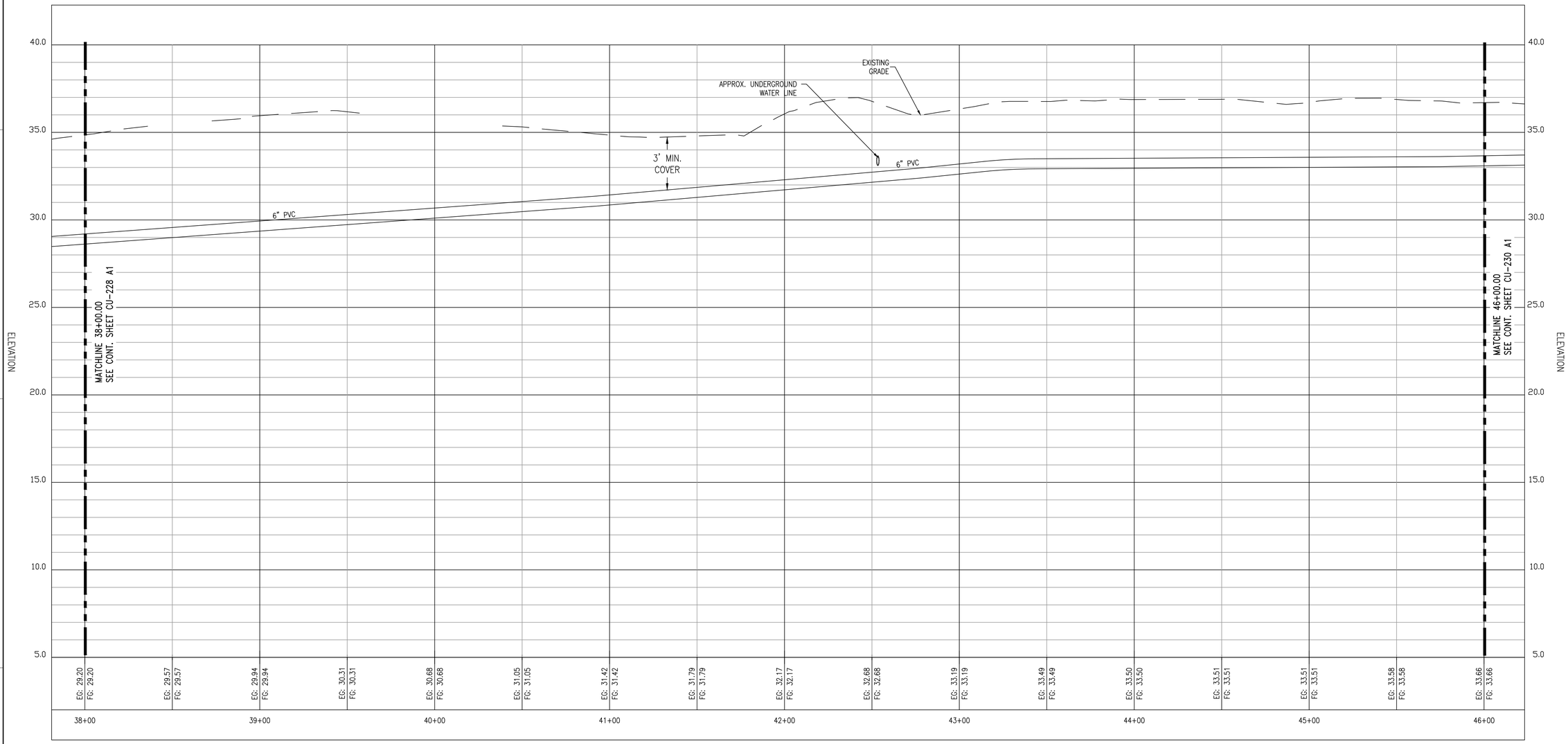

A1 FORCE MAIN SEWER PROFILE (FROM STA. 38+00.00 TO 46+00.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	REMOVED CHECK VALVES	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED
DAVID J. FOWLER, P.E.
FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB
PM/DM SGL/MDM
BRANCH MANAGER DLB
CHIEF ENG/ARCH JWJ
FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC
P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES
FORCE MAIN SEWER PROFILE

SCALE: AS INDICATED
EPROJECT NO.: 1701820
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12902994
SHEET 177 OF 262

CU229

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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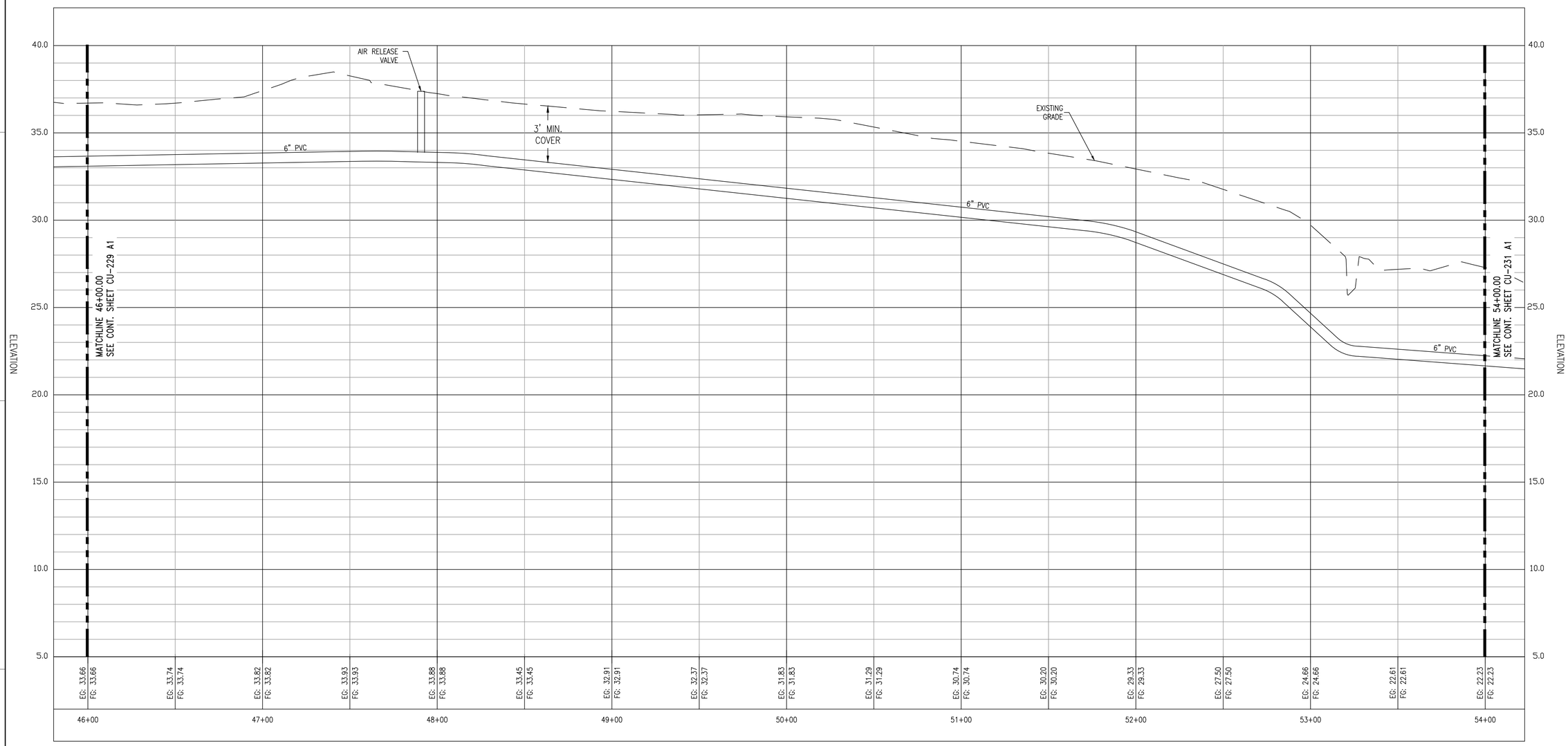
2026/06/04 4:40 PM By: Garcia, Jonathan (Alliant)



A1 FORCE MAIN SEWER PROFILE (FROM STA. 46+00.00 TO 54+00.00)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	REMOVED CHECK VALVES	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/4/2026
ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB
PM/OM		SGL/MDM
BRANCH MANAGER		DLB
CHIEF ENG/ARCH		JWJ
FIRE PROTECTION		HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
IPT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902995
SHEET	178 OF 262

CU230

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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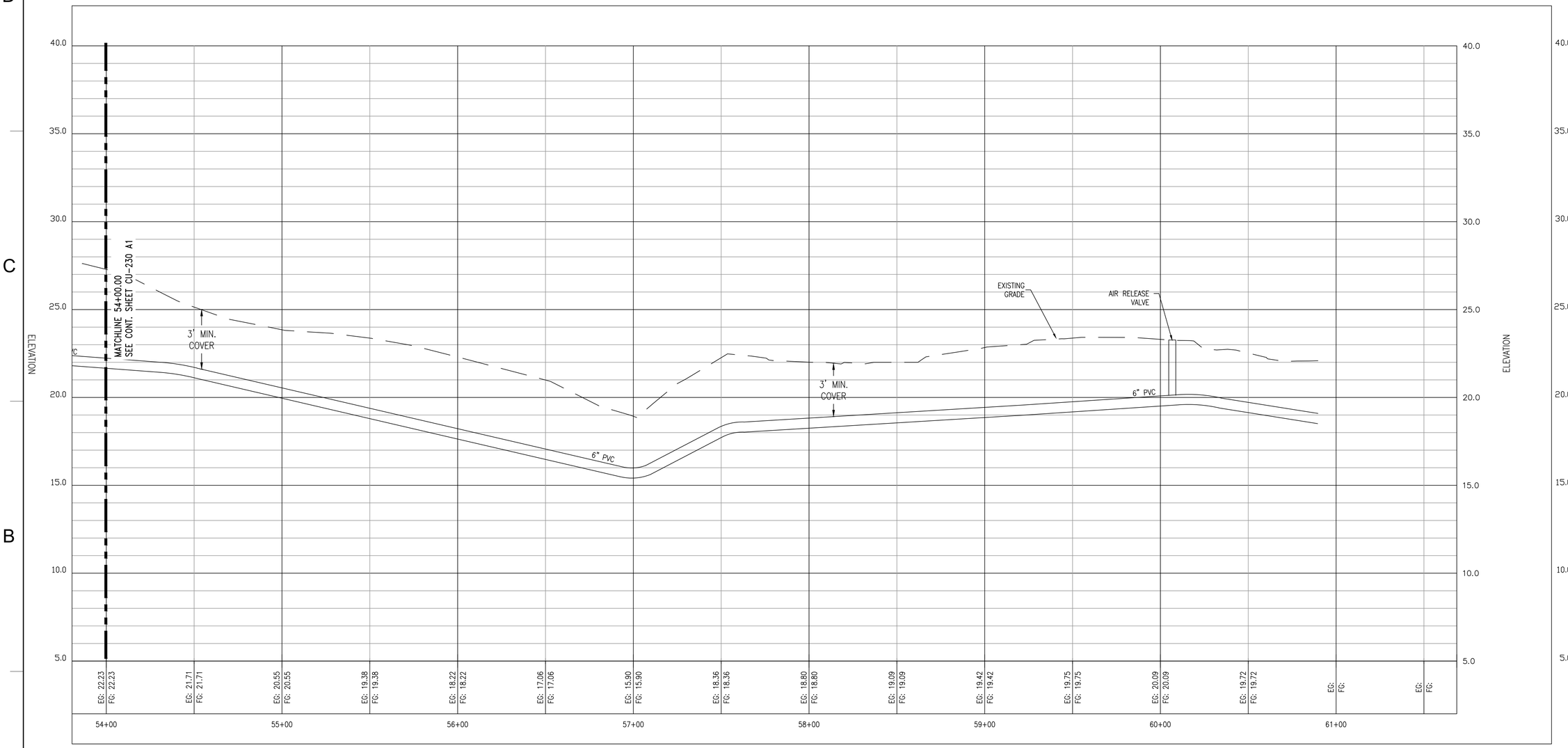

A1 FORCE MAIN SEWER PROFILE (FROM STA. 54+00.00 TO 61+68.70)

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	REMOVED CHECK VALVES	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED
JAMES E. CAMPBELL P.E.
FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB	DRW JG	CHK MDB

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
1PT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

FORCE MAIN SEWER PROFILE

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12902996
SHEET	179 OF 262

CU231

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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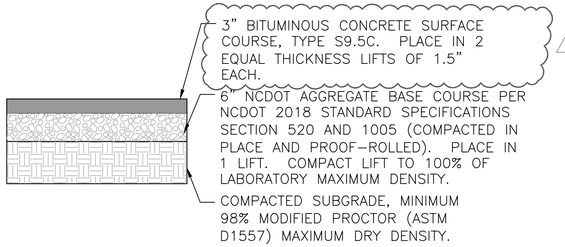
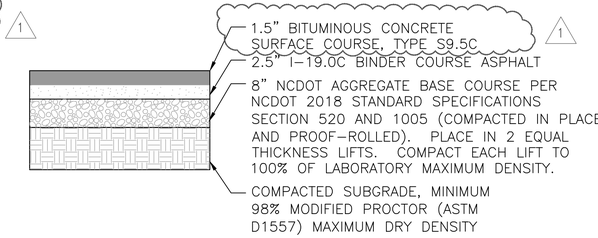


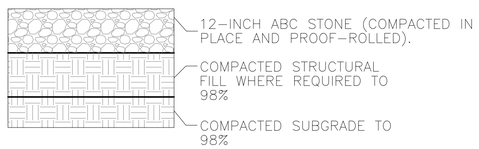
D1 FULL DEPTH LIGHT DUTY ASPHALT PAVEMENT SECTION

SCALE: NOT TO SCALE



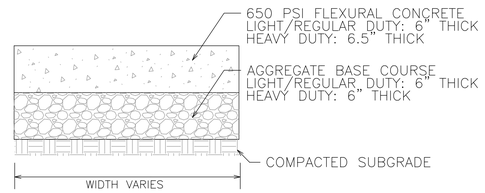
D2 FULL DEPTH HEAVY DUTY ASPHALT PAVEMENT SECTION

SCALE: NOT TO SCALE



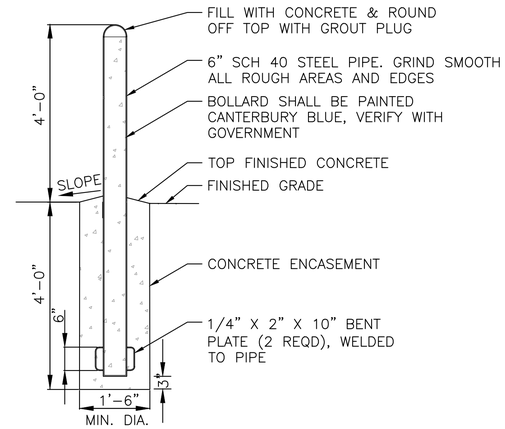
C1 GRAVEL ROAD SECTION

SCALE: NOT TO SCALE



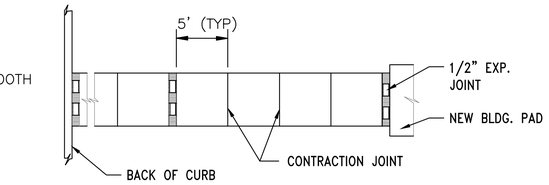
C2 CONCRETE PAVEMENT SECTION

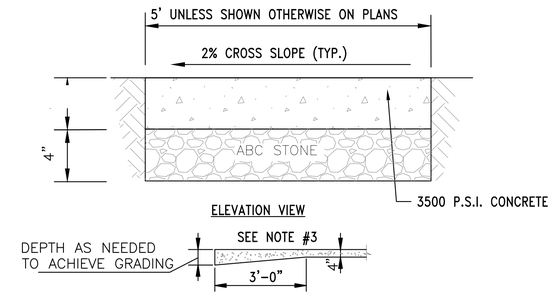
SCALE: NOT TO SCALE



C3 PERMANENT BOLLARD

SCALE: NOT TO SCALE



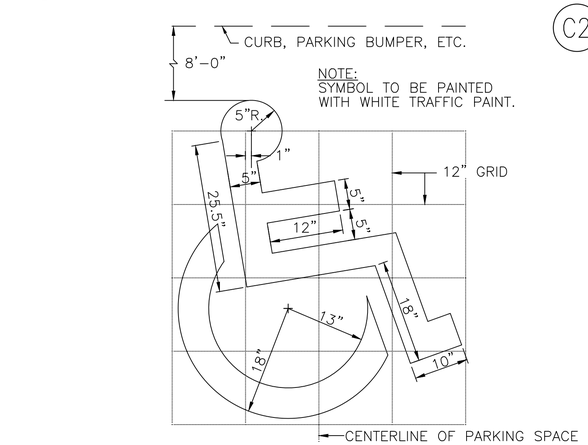


NOTES:

1. SIDEWALK TOOLED CONTRACTION JOINT (1 1/4" DEEP) SPACING SHALL BE 5'-0" MAXIMUM, WITH AN EXPANSION JOINT BEING EVERY 20'.
2. AN EXPANSION JOINT SHALL BE PLACED TO SEPARATE THE NEW CONCRETE WALK FROM OTHER NEW OR EXISTING CONCRETE CONSTRUCTION UNLESS NOTED OTHERWISE.
3. WHEN SIDEWALKS ABUT ROADWAY WHERE THERE IS NO CURB, THICKEN WALK IN 3'-0".
4. 1/2" EXPANSION JOINT MATERIAL REQUIRED WHERE CONCRETE SIDEWALK ABUTS CONCRETE STRUCTURE.
5. GRADE TO DRAIN AWAY FROM BUILDING.

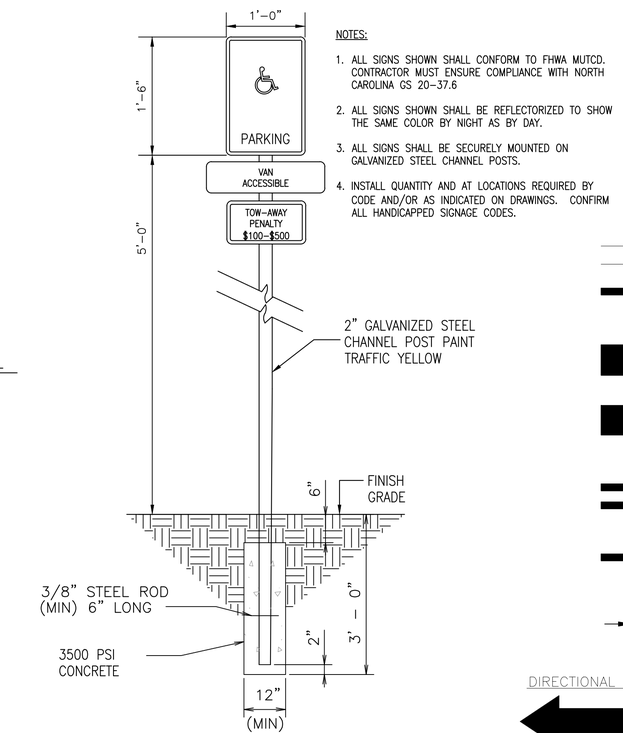
B4 CONCRETE SIDEWALK DETAIL

SCALE: NOT TO SCALE



B1 HANDICAP ASPHALT MARKING DETAIL

SCALE: NOT TO SCALE

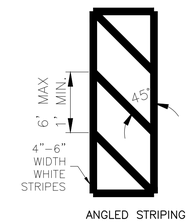


NOTES:

1. ALL SIGNS SHOWN SHALL CONFORM TO FHWA MUTCD. CONTRACTOR MUST ENSURE COMPLIANCE WITH NORTH CAROLINA GS 20-37.6
2. ALL SIGNS SHOWN SHALL BE REFLECTORIZED TO SHOW THE SAME COLOR BY NIGHT AS BY DAY.
3. ALL SIGNS SHALL BE SECURELY MOUNTED ON GALVANIZED STEEL CHANNEL POSTS.
4. INSTALL QUANTITY AND AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS. CONFIRM ALL HANDICAPPED SIGNAGE CODES.

A2 HANDICAP SIGN DETAIL

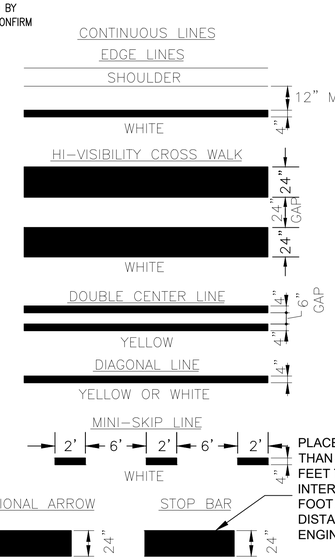
SCALE: NOT TO SCALE



ANGLED STRIPING

B3 PAVEMENT STRIPING

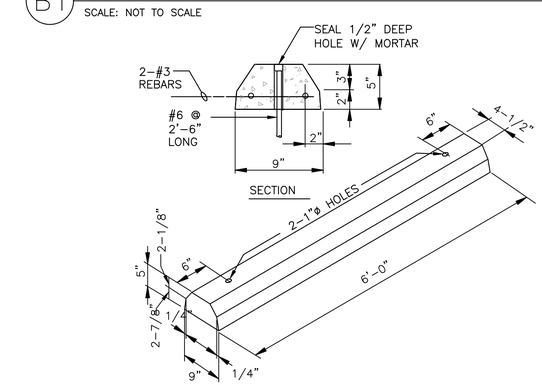
SCALE: NOT TO SCALE



PLACEMENT OF STOP BAR NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET TO THE NEAREST EDGE OF INTERSECTION ROADWAY. USE 5 FOOT AS THE TYPICAL SETBACK DISTANCE OR AS DIRECTED BY ENGINEER.

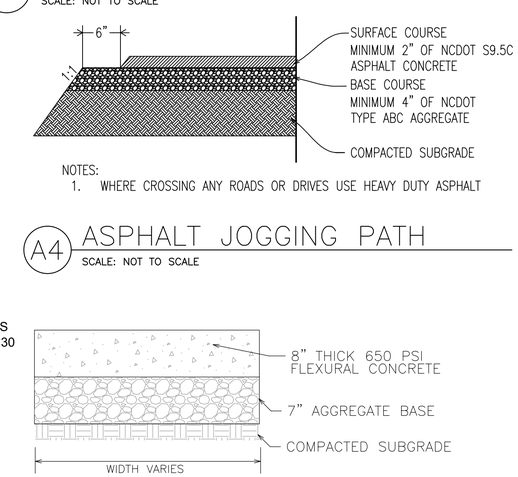
A3 PAVEMENT MARKINGS

SCALE: NOT TO SCALE



A1 PRECAST CONCRETE WHEEL STOP

SCALE: NOT TO SCALE



NOTES:

1. WHERE CROSSING ANY ROADS OR DRIVES USE HEAVY DUTY ASPHALT

A4 ASPHALT JOGGING PATH

SCALE: NOT TO SCALE

A5 DUMPSTER PAVEMENT SECTION

SCALE: NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	DETAILS UPDATED	04/JUN/2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	RLB	DRW	JG
CHK	MDB		
PM/DM	SGL/MDM		
BRANCH MANAGER	DLB		
CHIEF ENG/ARCH	JWJ		
FIRE PROTECTION	HPN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
1ST MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

SITE DETAILS

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903005
SHEET	188 OF 262

C-511

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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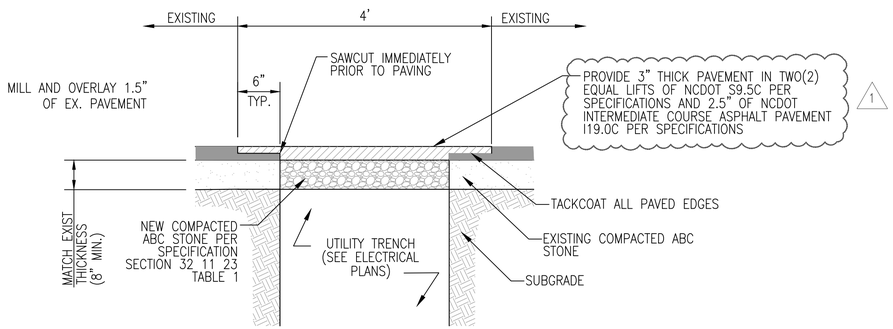


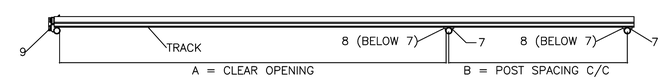
NOTE:
1. PERFORM ASPHALT PATCHING WITHIN 14 DAYS OF COMPLETION OF TRENCH WORK.
2. SEE ELECTRICAL DRAWINGS FOR CONDUIT BACKFILL MATERIALS
3. SEE ELECTRICAL DRAWINGS FOR DIMENSIONS AND DETAILS OF ELECTRICAL SERVICE
4. FOR ASPHALT PAVING, REFER TO 2018 NCDOT STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES OR MOST CURRENT EDITION.

MIX TYPE	ENGLISH (INCHES)		
	MINIMUM LIFT	MAXIMUM LIFT	NORMAL TOTAL LIFT
S9.5B	1.0	1.5	3.0
S9.5C, D	1.5	2.0	3.0
I19.0C	2.5	4.0	4.0
B25.0C	3.0*	5.5	–

*FOR B25.0C PLACED ON UNSTABLE SUBGRADE, MINIMUM LIFT THICKNESS IS 4.0.

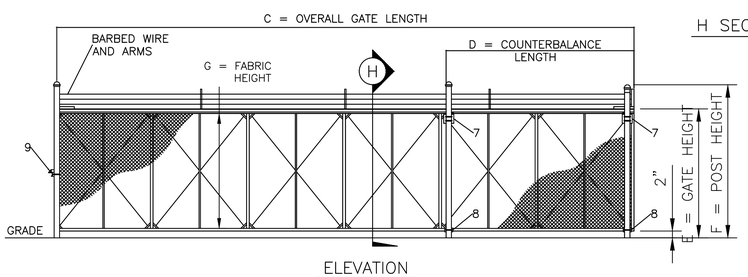
C1 ASPHALT PAVEMENT PATCH

SCALE: NOT TO SCALE

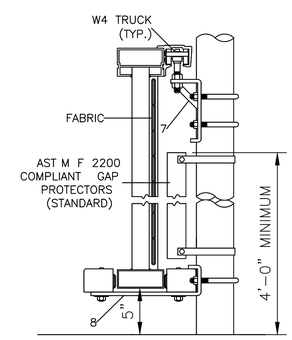


PLAN VIEW

H SECTION



ELEVATION



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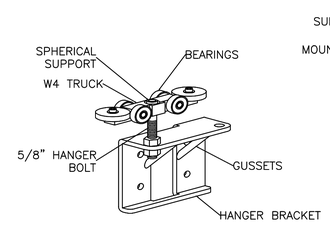
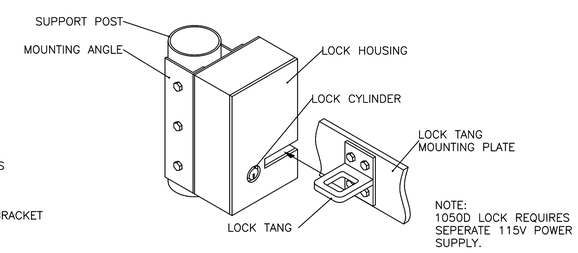
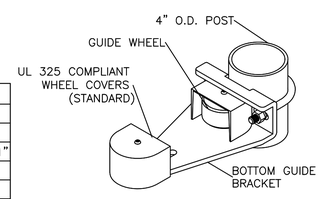


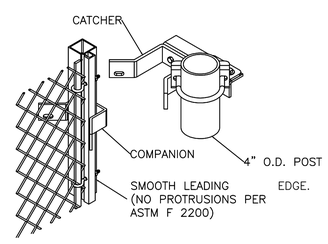
GATE HANGER ASSEMBLY



1050D ELECTROMECHANICAL LOCK



BOTTOM GUIDE



CATCH ASSEMBLY

NOTES:
1. ALL FITTINGS STANDARDLY PROVIDED FOR 4" O.D. POSTS. OTHER SIZES AVAILABLE UPON REQUEST FROM TYMETAL CORP., 2549 STATE ROUTE 40, GREENWICH, N.Y. 12834, (WWW.TYMETAL.COM) OR APPROVED EQUAL.

CRITICAL DIMENSION CHART

MARK	DESCRIPTION	FORMULA	DIM.
A	CLEAR OPENING	A	30'
B	COUNTERBALANCE POST SPACING C/C	(A/2)–11"	14'–1"
C	OVERALL GATE LENGTH	A x 1.5	45'
D	COUNTERBALANCE LENGTH	A x 0.5	15'
E	NOMINAL GATE HEIGHT	E	6'
F	POST HEIGHT (W BARB ARMS)	E + 1'–6"	9'–6"
G	FABRIC HEIGHT	E – 1'–0"	7'

A1 SLIDING GATE DETAIL

SCALE: NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	DETAILS UPDATED	04JUN2026	VIN

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 054625 06/04/2026 ENGINEER MICHAEL D BURNS

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES RLB DRW JG CHK MDB

PM/DM SGL/MDM

BRANCH MANAGER DLB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
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NAVAL STATION - NORFOLK, VA
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P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

SITE DETAILS

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12903009

SHEET 192 OF 262

C-515

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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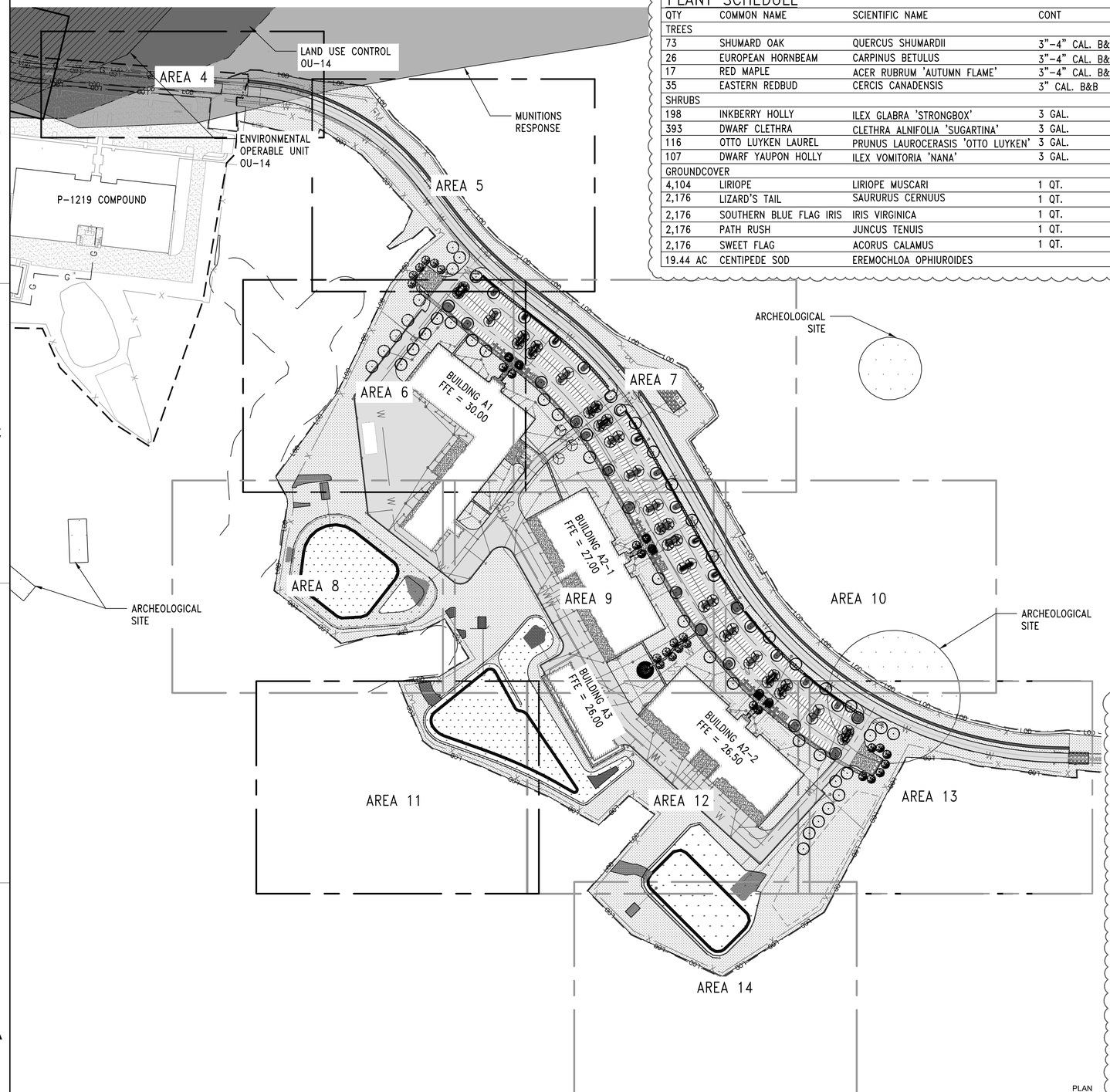
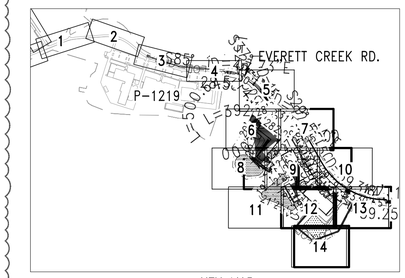


A1 OVERALL LANDSCAPING PLAN

SCALE: 1" = 150'

PLANT SCHEDULE

QTY	COMMON NAME	SCIENTIFIC NAME	CONT	SPACING	NOTES
TREES					
73	SHUMARD OAK	QUERCUS SHUMARDII	3"-4" CAL. B&B	A.S. OR 50' O.C.	15-20' HT, LIMB TO 4' MIN.
26	EUROPEAN HORNBEAM	CARPINUS BETULUS	3"-4" CAL. B&B	A.S. OR 25' O.C.	15-20' HT, LIMB TO 4' MIN.
17	RED MAPLE	ACER RUBRUM 'AUTUMN FLAME'	3"-4" CAL. B&B	A.S. OR 25' O.C.	15-20' HT
35	EASTERN REDBUD	CERCIS CANADENSIS	3" CAL. B&B	A.S. OR 20' O.C.	8-12' HT
SHRUBS					
198	INKBERRY HOLLY	ILEX GLABRA 'STRONGBOX'	3 GAL.	4' O.C.	
393	DWARF CLETHRA	CLETHRA ALNIFOLIA 'SUGARTINA'	3 GAL.	3' O.C.	
116	OTTO LUYKEN LAUREL	PRUNUS LAUROCERASIS 'OTTO LUYKEN'	3 GAL.	6' O.C.	
107	DWARF YAUPON HOLLY	ILEX VOMITORIA 'NANA'	3 GAL.	3' O.C.	
GROUNDCOVER					
4,104	LIRIOPE	LIRIOPE MUSCARI	1 QT.	18" O.C	18" O.C
2,176	LIZARD'S TAIL	SAURURUS CERNUUS	1 QT.	18" O.C	WILDLIFE RESISTANT
2,176	SOUTHERN BLUE FLAG IRIS	IRIS VIRGINICA	1 QT.	18" O.C	WILDLIFE RESISTANT
2,176	PATH RUSH	JUNCUS TENUIS	1 QT.	18" O.C	WILDLIFE RESISTANT
2,176	SWEET FLAG	ACORUS CALAMUS	1 QT.	18" O.C	
19.44 AC	CENTIPEDE SOD	EREMOCHLOA OPHIUROIDES			



KEY MAP

SCALE: 1" = 1,000'

PLANT LEGEND

- SHUMARD OAK
- HORNBEAM
- 'AUTUMN FLAME' RED MAPLE
- EASTERN REDBUD
- OTTO LUYKEN LAUREL
- INKBERRY HOLLY
- DWARF CLETHRA
- DWARF YAUPON HOLLY
- CENTIPEDE SOD
- LIRIOPE
- TREE ROOT BARRIER

GENERAL LANDSCAPE NOTES:

1. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH ALL APPLICABLE NAVFAC STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL SEED ANY ADDITIONAL DISTURBED AREA RELATED TO FENCING, EQUIPMENT STORAGE, ACCESS CONTROL, OR OTHER CONSTRUCTION ACTIVITIES NOT EXPLICITLY EXPRESSED IN CONSTRUCTION DOCUMENTS.
3. CONTRACTOR SHALL INSTALL TREE ROOT BARRIER AROUND ALL HARDSCAPE, UTILITIES, AND SITE AMENITIES WITHIN 10' OF THE CENTER OF ANY PLANTED TREE.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS SHOWN AND CONTACT THE COR IF ANY DISCREPANCIES OCCUR. CONSTRUCTION STAKE OUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ANY AND ALL LANDSCAPING, EXISTING TREES OR SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. ANY DEVIATION FROM THESE PLANS MUST BE SPECIFICALLY APPROVED BY GOVERNMENT.
7. NOTIFY GOVERNMENT OF ANY SITE CONDITIONS WHICH MAY NECESSITATE MODIFICATION TO THE PLAN. LANDSCAPE ARCHITECT SHALL, IF NECESSARY, MAKE "IN-FIELD MODIFICATIONS".
8. FINE GRADING SHALL CONSIST OF HAND RAKED SMOOTH, FREE OF DEBRIS, ALL AREAS TO RECEIVE LANDSCAPE PLANTING, SOD AND/OR PINESTRAW MULCH.
9. CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF EXISTING CONDITIONS AND PROMPTLY REPORTING ANY DISCREPANCIES. CONTRACTOR TO PERFORM SOIL TESTS AS NECESSARY TO CONFORM TO SPECIFICATIONS.
10. MULCH ALL PLANTING BEDS WITH HARDWOOD MULCH TO A 3" DEPTH. KEEP 3" MIN. AWAY FROM TRUNKS/STEMS
11. CONTRACTOR VERIFIES THAT ALL PLANT MATERIAL IS DETERMINED AVAILABLE AS SPECIFIED WHEN BID/PROPOSAL IS SUBMITTED.
12. PLANT SCHEDULE WAS PREPARED FOR ESTIMATING PURPOSES. CONTRACTOR SHALL MAKE OWN QUANTITIES TAKEOFF USING DRAWINGS TO DETERMINE QUANTITIES TO HIS SATISFACTION, REPORTING PROMPTLY ANY DISCREPANCIES WHICH MAY AFFECT BIDDING.
13. ROOT TYPE MAY BE FREELY SUBSTITUTED IN CASE OF BALLED AND BURLAPPED OR CONTAINER GROWN, OTHER SPECIFICATIONS REMAINING UNCHANGED, EXCEPT IN THE CASE OF CONTAINER GROWN SPECIMEN TREES AS INDICATED IN THE TREE PLANTING SCHEDULE. HEIGHT, SPREAD, AND CALIPER SIZE TO TAKE PRECEDENCE OVER CONTAINER SIZE ON ALL PROPOSED PLANT MATERIAL.
14. ALL PLANTING BEDS SHALL BE HAND WEEDED OR SPRAYED PRIOR TO INSTALLATION OF MULCH.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY MAINTAINING THE WORK (INCLUDING BUT NOT LIMITED TO: WATERING, MULCHING, SPRAYING, FERTILIZING, ETC) OF ALL PLANTING AREAS AND LAWNS PER PROJECT SPECS UNTIL TOTAL ACCEPTANCE OF WORK BY GOVERNMENT.
16. THE STANDARDS SET FORTH IN THE 'AMERICAN STANDARD FOR NURSERY STOCK' REPRESENT GENERAL GUIDELINE SPECIFICATIONS ONLY AND WILL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL ALL PLANTS MUST MEET MINIMUM SIZE NOTED ON THE MATERIALS SCHEDULE. TREES SHALL BE NO. 1 GRADE SPECIMEN AND SHRUBS SHALL BE HEAVY WELL SHAPED SPECIMENS.
17. CONTRACTOR SHALL COMPLETELY GUARANTEE ALL WORK FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF ACCEPTANCE. THE CONTRACTOR SHALL MAKE REPLACEMENTS PROMPTLY AS PER DIRECTION OF THE GOVERNMENT.
18. ALL DECIDUOUS TREES, EXISTING AND PROPOSED SHALL BE PRUNED TO PROVIDE 4' MINIMUM CLEAR TRUNK UNLESS OTHERWISE NOTED.
19. PERCOLATION RATE OF 1" TO 2" AN HOUR PREFERRED. IF 1" TO 2" PERCOLATION RATE CAN NOT BE ACHIEVED, AERATE AREAS TO BE PLANTED WITH MECHANICAL AERATOR UP TO 20 INCHES IN DEPTH.

SYM	DESCRIPTION	DATE	APPR
1	PLANT SCHEDULE & LEGEND REVISIONS	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 05.08.2026

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL STATION ~ NORFOLK, VA
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

OVERALL LANDSCAPING PLAN

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903027
SHEET	210 OF 262

LS100

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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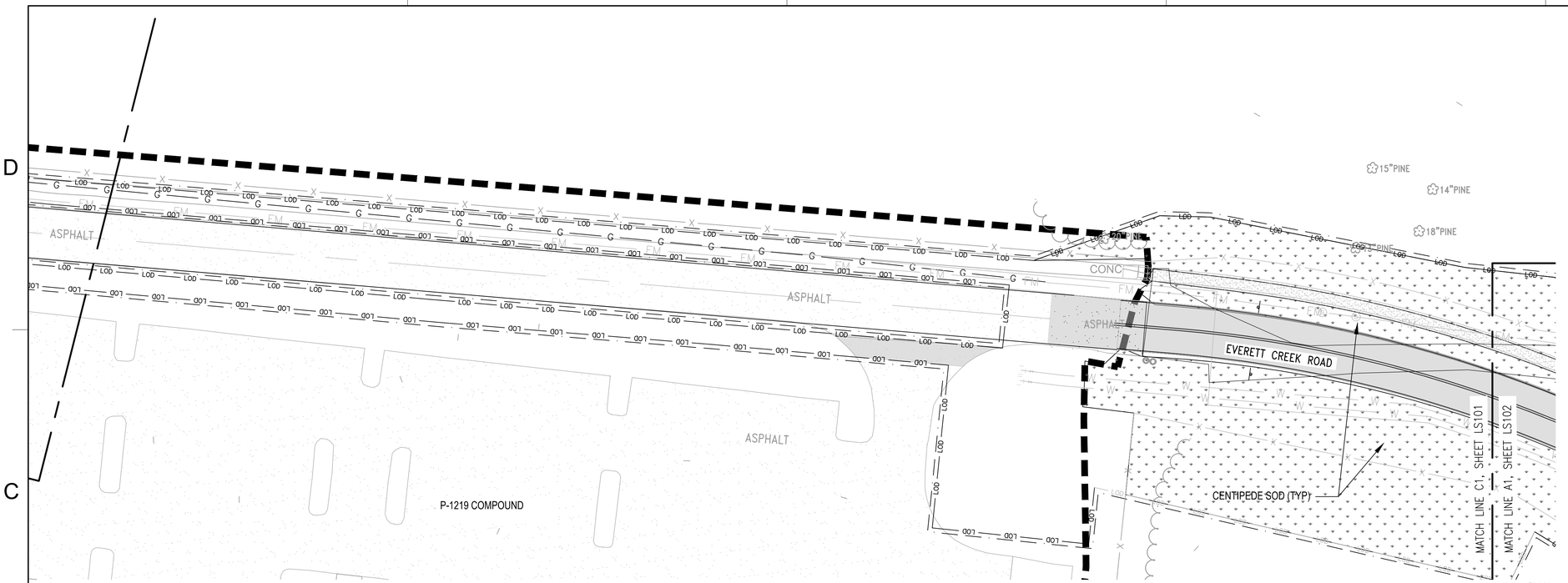
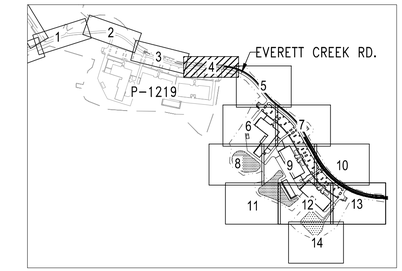
2026/06/10 12:35 PM By: Wise, Will



C1 PARTIAL LANDSCAPING PLAN – AREA 4

SCALE: 1" = 30'

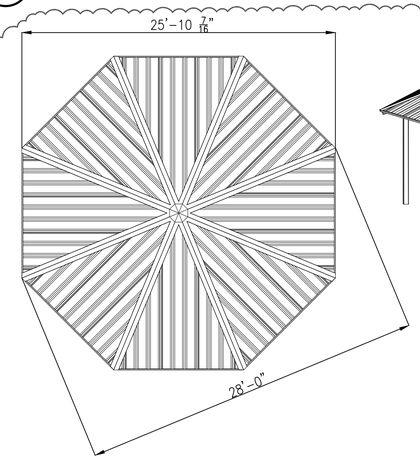


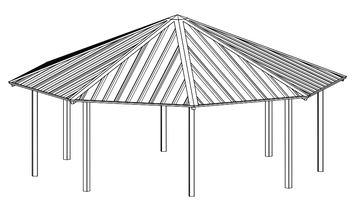
KEY MAP

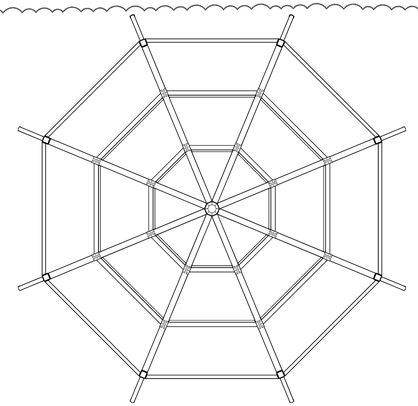
SCALE: 1" = 1,000'

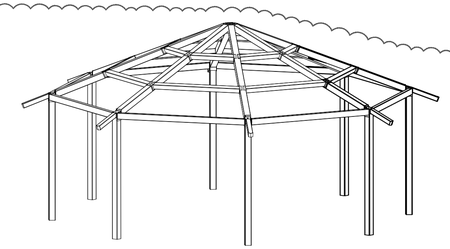
NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE







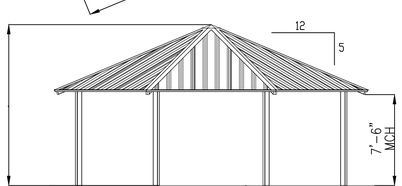


GENERAL ROOF NOTES:

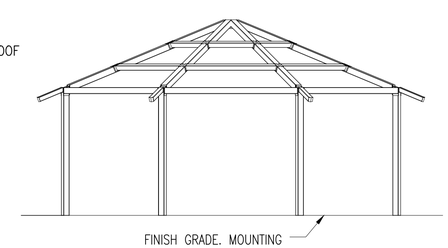
1. METAL ROOFING:
   - 24 GAUGE
   - GALVALUME COATED
   - KYNAR 500 PAINTED
2. ROOF COLOR: RED
3. TRIM COLOR MATCHES ROOF
4. METAL FRAMING TO BE GALVANIZED AND POWDER COATED TO MATCH ROOF

NOTES:

1. ASSEMBLE GAZEBO ACCORDING TO MANUFACTURER DETAILS.



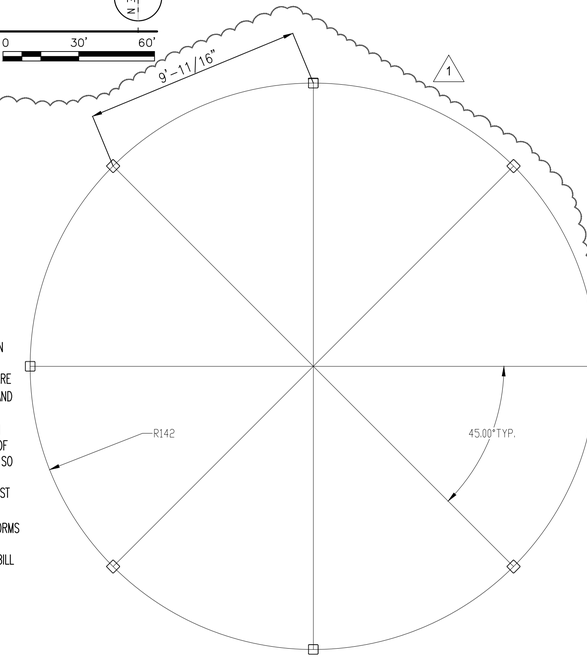
FINISH GRADE. MOUNTING VARIES BASED ON ENGINEERING REQUIREMENTS.



FINISH GRADE. MOUNTING VARIES BASED ON ENGINEERING REQUIREMENTS.

GENERAL NOTES:

1. STRUCTURE SHALL BE DESIGNED TO MEET ALL PERTINENT WIND LOAD REQUIREMENTS AS WELL AS LOCAL CODES AND ORDINANCES.
2. UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS.
3. THE MANUFACTURER MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.
4. UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, THE MANUFACTURER MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.
5. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.
6. ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY (AWS) CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.
7. PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.
8. FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT. FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.



A1 GAZEBO

SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED NEW GAZEBO DETAIL	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 06.08.2026

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/16/2026

ACTIVITY

SATISFACTORY TO

DES WW	DRW WW	CHK SH	
PM/DM			SGL/MDM
BRANCH MANAGER			DLB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
1P7 MARINE
MARINE CORPS BASE
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

NAVFAC-EASTERN FIRE ENGINEERING COMMAND

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 4

SCALE: AS INDICATED

EPROJECT NO.: 1701820

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12903028

SHEET 211 OF 262

LS101

DRAWFORM REVISION: 25 AUGUST 2020

FINAL SUBMITTAL

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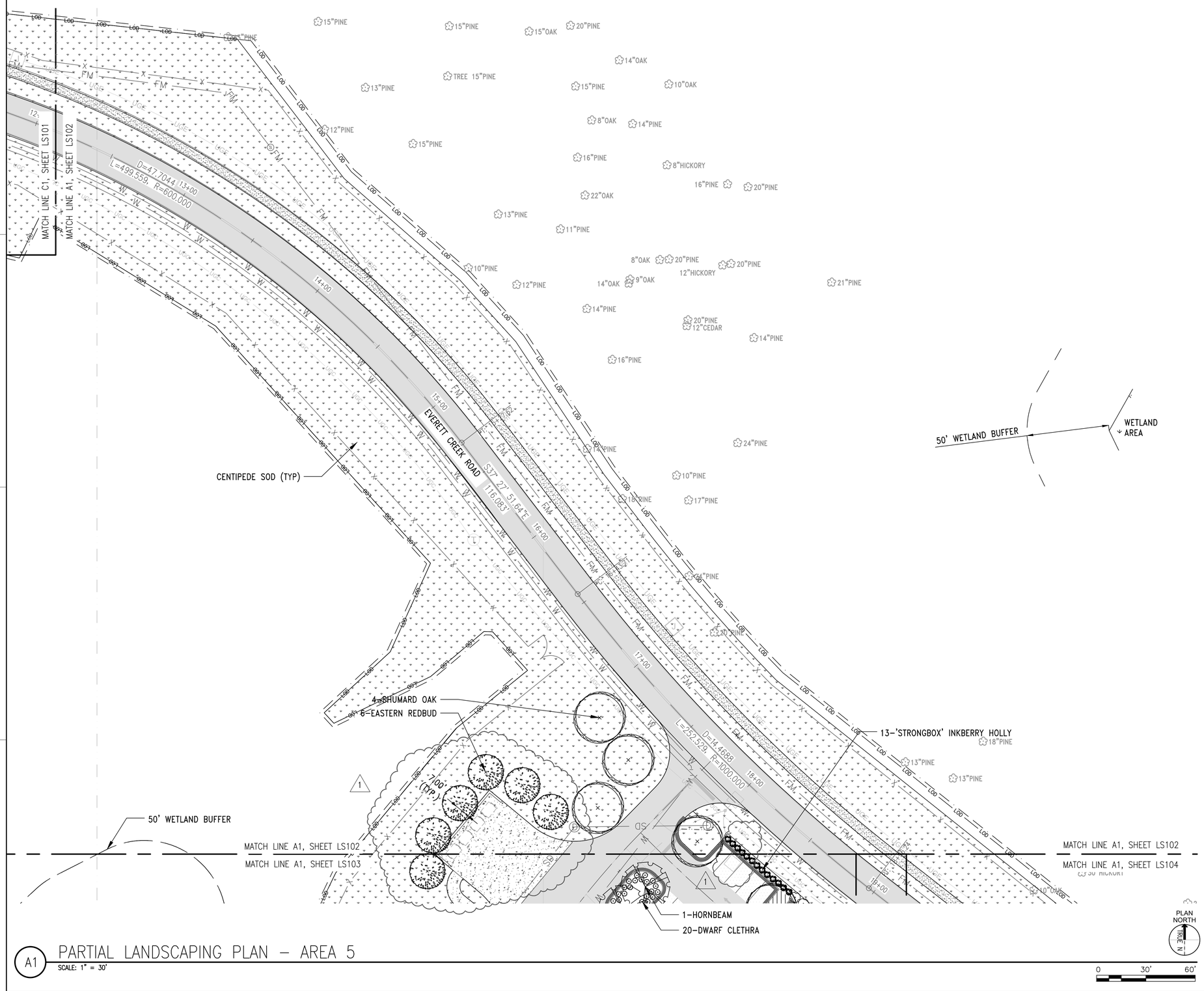
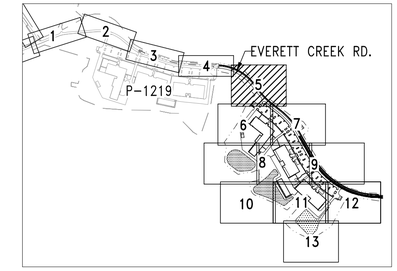


A1 PARTIAL LANDSCAPING PLAN – AREA 5

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	TYPICAL DIMENSION ADDED, TREELIGHT	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 05.08.2026

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 5

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903029
SHEET	212 OF 262

LS102

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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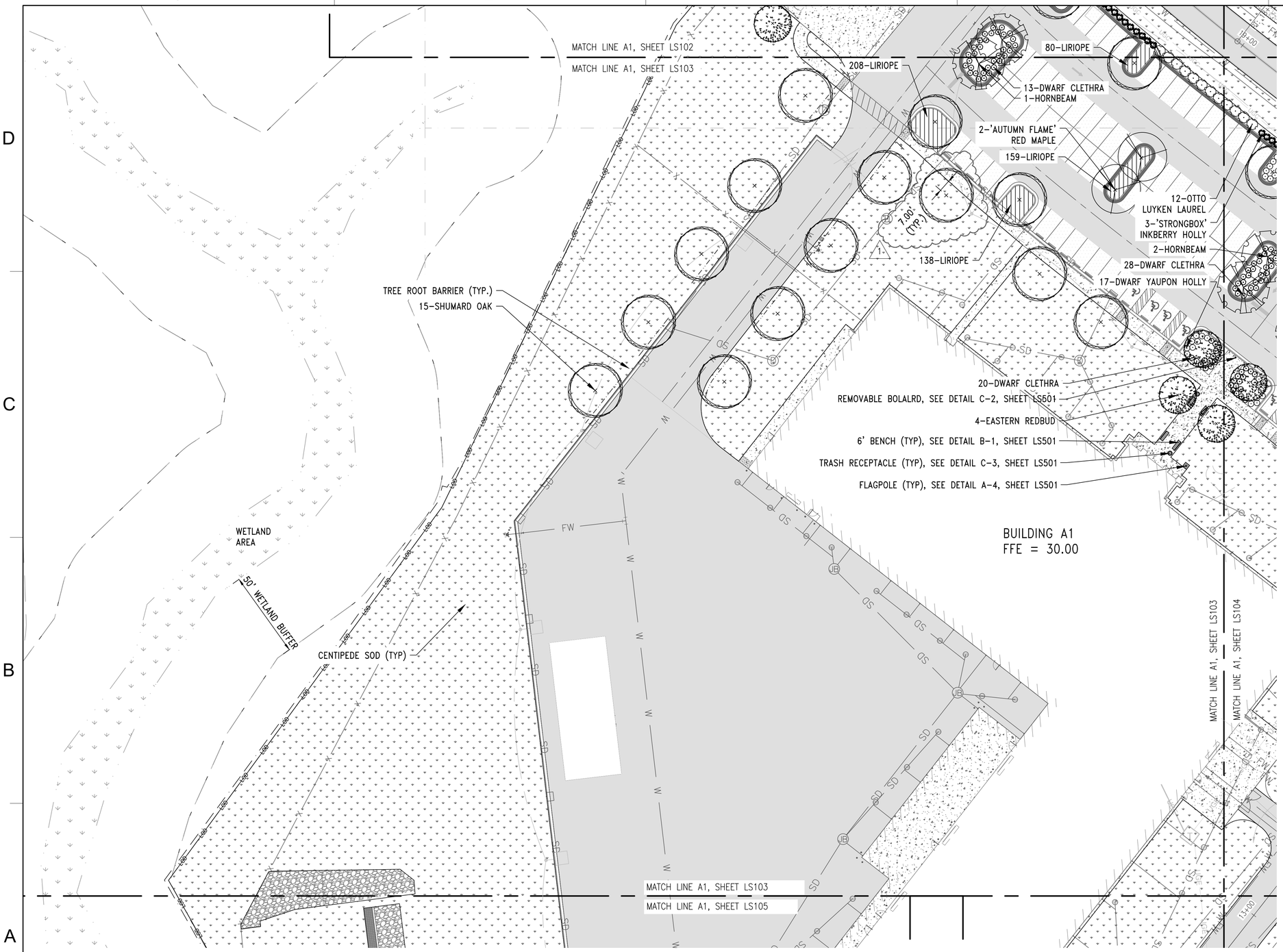
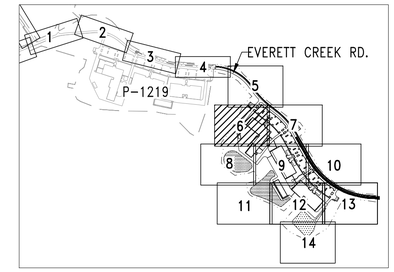


A1 PARTIAL LANDSCAPING PLAN – AREA 6

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	TYPICAL DIMENSION FOR ADDED	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT STEPHEN HOPPER 1558 08.20.2020

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 6

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903030
SHEET	213 OF 262

LS103

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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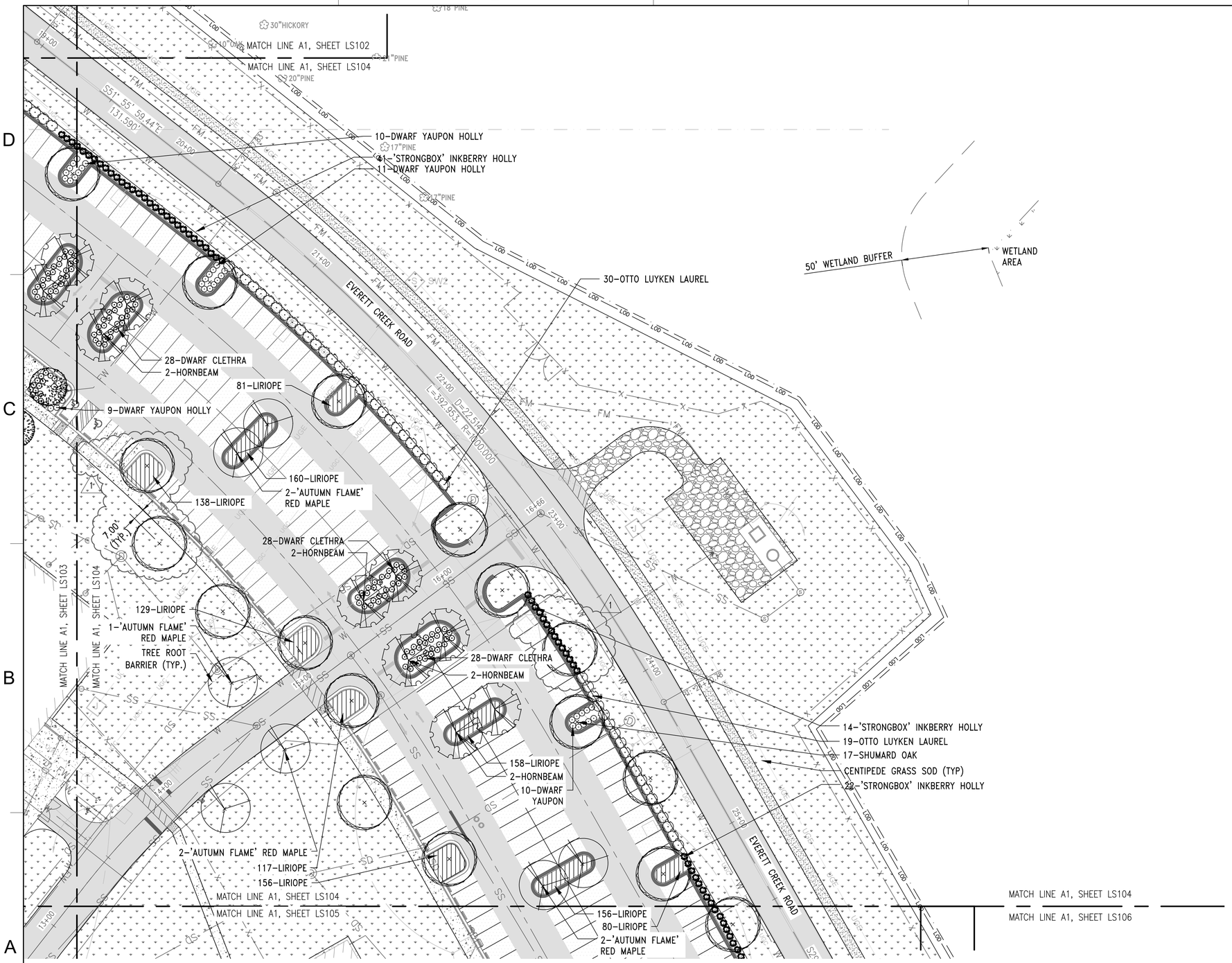
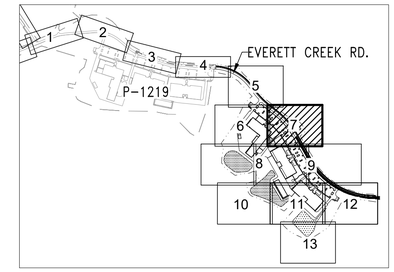


A1 PARTIAL LANDSCAPING PLAN – AREA 7

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	TYPICAL DIMENSION, LIGHT POLE MOVE	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1553 STEPHEN HOPPER 05.08.2026

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES WW	DRW WW	CHK SH	
PM/DM		SGL/MDM	
BRANCH MANAGER		DLB	
CHIEF ENG/ARCH		JWJ	
FIRE PROTECTION		HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 7

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903031
SHEET	214 OF 262

LS104

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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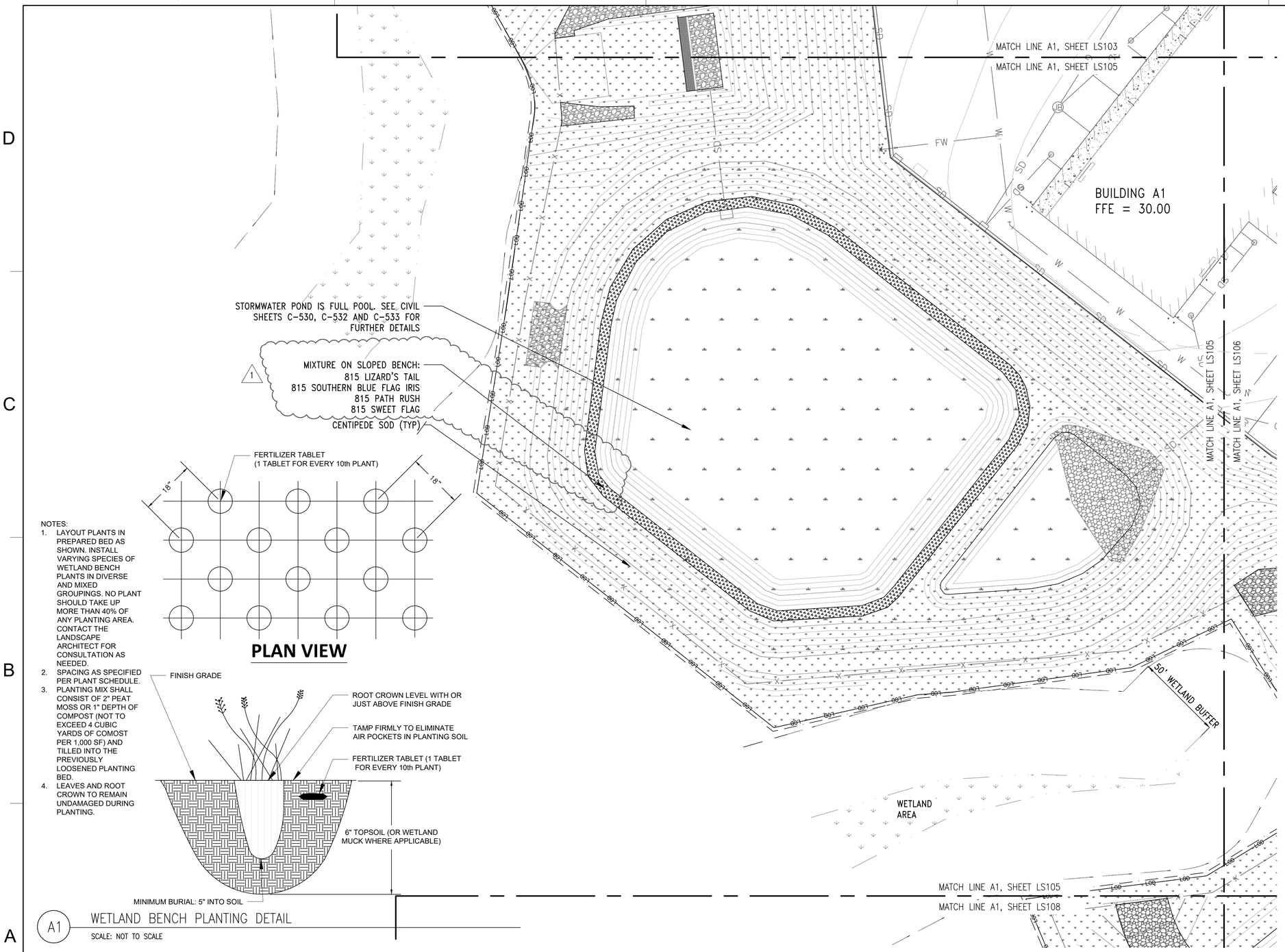

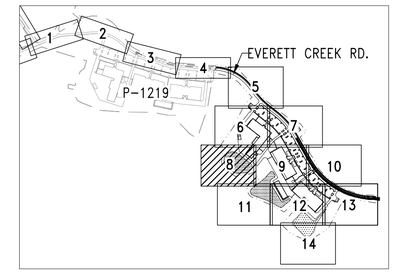

KEY MAP
SCALE: 1" = 1,000'

NOTE:
1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

PLAN VIEW

NOTES:
1. LAYOUT PLANTS IN PREPARED BED AS SHOWN. INSTALL VARYING SPECIES OF WETLAND BENCH PLANTS IN DIVERSE AND MIXED GROUPINGS. NO PLANT SHOULD TAKE UP MORE THAN 40% OF ANY PLANTING AREA. CONTACT THE LANDSCAPE ARCHITECT FOR CONSULTATION AS NEEDED.
2. SPACING AS SPECIFIED PER PLANT SCHEDULE.
3. PLANTING MIX SHALL CONSIST OF 2" PEAT MOSS OR 1" DEPTH OF COMPOST (NOT TO EXCEED 4 CUBIC YARDS OF COMOST PER 1,000 SF) AND TILLED INTO THE PREVIOUSLY LOOSENED PLANTING BED.
4. LEAVES AND ROOT CROWN TO REMAIN UNDAMAGED DURING PLANTING.

A1 WETLAND BENCH PLANTING DETAIL
SCALE: NOT TO SCALE

A1 PARTIAL LANDSCAPING PLAN – AREA 8
SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	WETLAND BENCH PLANTINGS REVISED	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1553 STEPHEN HOPPER 05.08.2026
SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL STATION ~ NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 8

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903032
SHEET	215 OF 262

LS105

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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20250305 12:53 PM By: Wise, Will

MATCH LINE A1, SHEET LS103
MATCH LINE A1, SHEET LS106

MATCH LINE A1, SHEET LS104
MATCH LINE A1, SHEET LS106

MATCH LINE A1, SHEET LS105
MATCH LINE A1, SHEET LS106

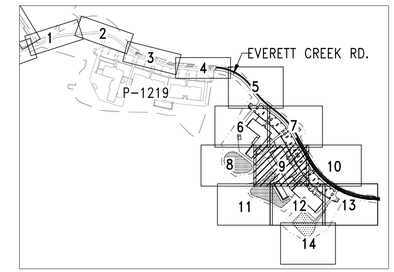
BUILDING A2-1
FFE = 27.00

2-'AUTUMN FLAME' RED MAPLE
149-LIRIOPE
156-LIRIOPE
7-'STRONGBOX' INKBERRY HOLLY
79-LIRIOPE
17-OTTO LUYKEN LAUREL
10-DWARF YAUPON HOLLY
2-HORNBEAM
233-LIRIOPE
2-HORNBEAM
233-LIRIOPE
21-DWARF YAUPON HOLLY
31-DWARF CLETHRA
25-DWARF CLETHRA
TRASH RECEPTACLE (TYP)
6' BENCH (TYP)
4-EASTERN REDBUD
2-'AUTUMN FLAME' RED MAPLE
41-'STRONGBOX' INKBERRY HOLLY
148-LIRIOPE
10-DWARF YAUPON HOLLY
7.00' (TYP.)
2-HORNBEAM
159-LIRIOPE
12-SHUMARD OAK
262-LIRIOPE
CENTIPEDE SOD (TYP)
TREE ROOT BARRIER (TYP.)
8-EASTERN REDBUD
38-DWARF CLETHRA
6' BENCH (TYP)
23-'STRONGBOX' INKBERRY HOLLY
7' (TYP.)
EVERETT CREEK ROAD
MATCH LINE A1, SHEET LS106
MATCH LINE A1, SHEET LS107
MATCH LINE A1, SHEET LS106
MATCH LINE A1, SHEET LS108
MATCH LINE A1, SHEET LS106
MATCH LINE A1, SHEET LS109
28X25 OCTAGON GAZEBO
(SEE DETAIL A1, SHEET LS101)

PLAN NORTH

0 30' 60'

A1 PARTIAL LANDSCAPING PLAN – AREA 9
SCALE: 1" = 30'



KEY MAP
SCALE: 1" = 1,000'

NOTE:
1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	DIMENSION, LIGHT POLE/TREE, GAZEBO	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 08.20.20
SEAL

Stantec

A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO
DES WW DRW WW CHK SH
PM/DM SGL/MDM
BRANCH MANAGER DLB
CHIEF ENG/ARCH JWJ
FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT: MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ~ NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 9

SCALE: AS INDICATED
EPROJECT NO.: 1701820
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12903033
SHEET 216 OF 262
LS106

FINAL SUBMITTAL
DRAWFORM REVISION: 25 AUGUST 2020

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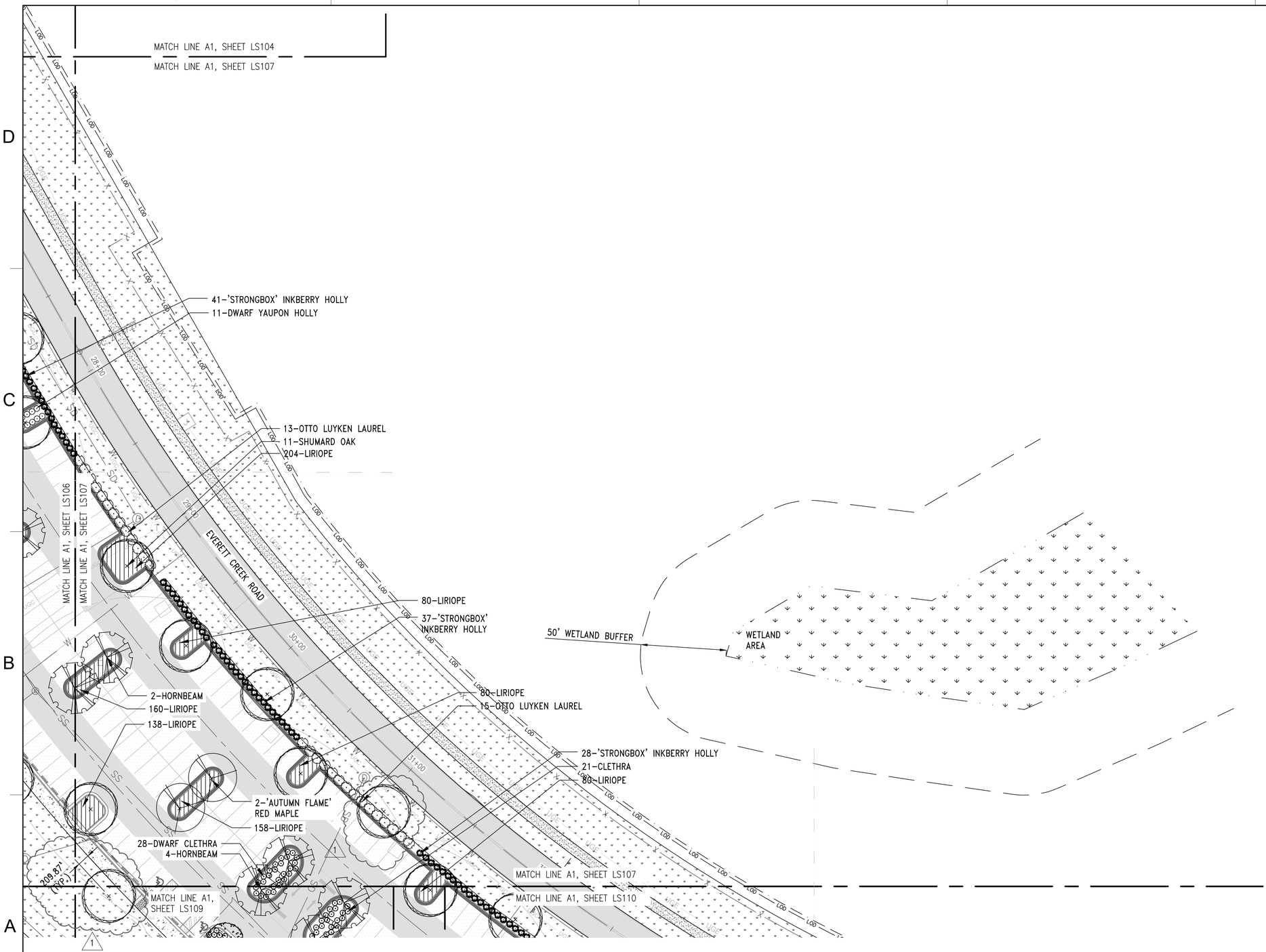
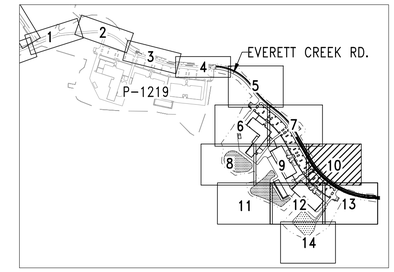
2026/06/10 12:57 PM By: Wise, Will



A1 PARTIAL LANDSCAPING PLAN – AREA 10

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	TYPICAL DIMENSION, LIGHT POLE/TREE	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 05.08.2026

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
IPT MARINE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 10

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903034
SHEET	217 OF 262

LS107

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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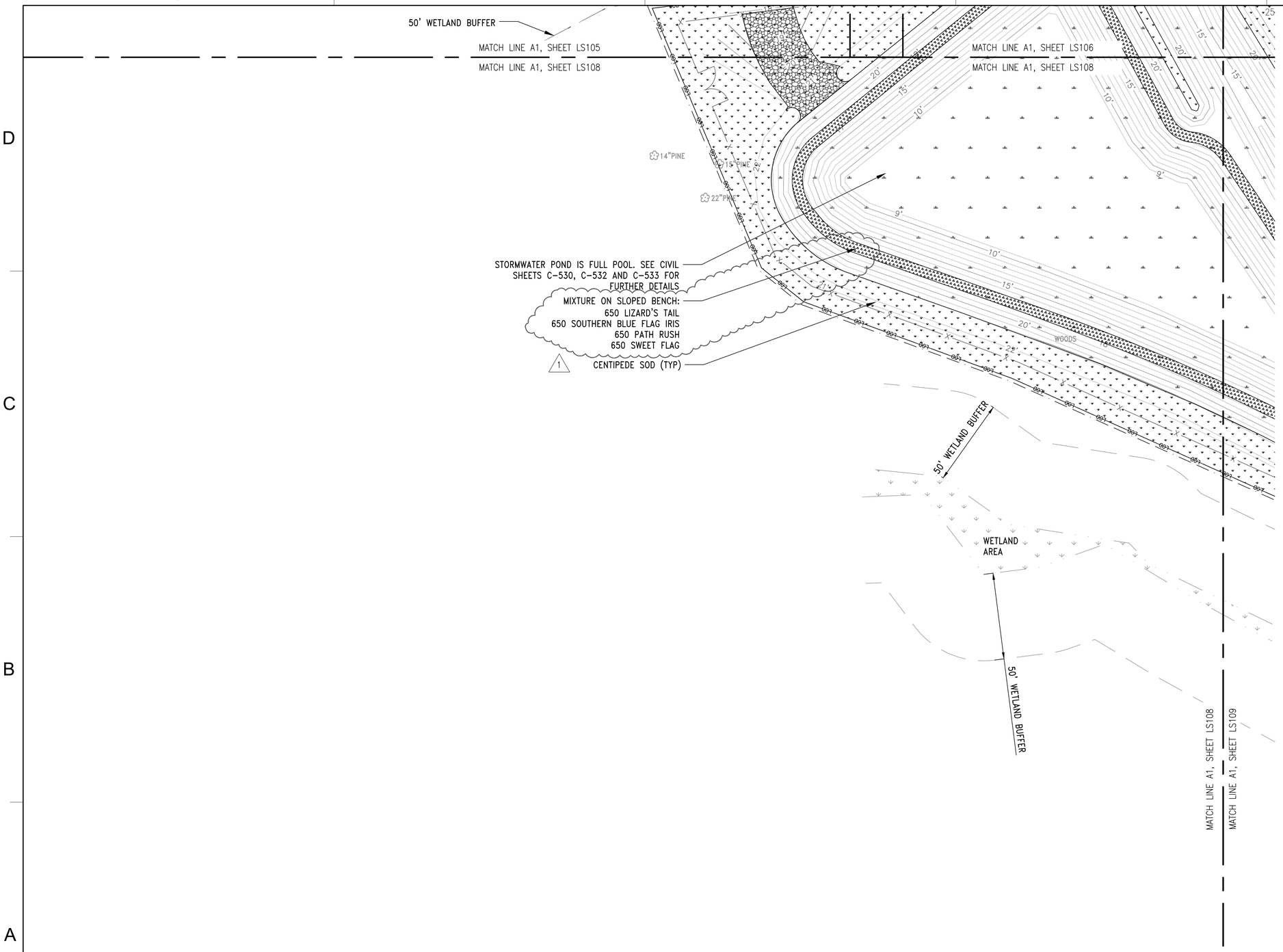
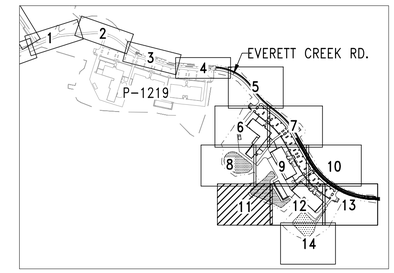


A1 PARTIAL LANDSCAPING PLAN – AREA 11

SCALE: 1" = 30'



KEY MAP

SCALE: 1" = 1,000'

NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	WETLAND BENCH PLANTING REVISION	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1553 STEPHEN HOPPER 05.08.2026

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ~ NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 11

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903035
SHEET	218 OF 262

LS108

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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2026/06/10 1:08 PM By: Wise, Will

MATCH LINE A1, SHEET LS106

MATCH LINE A1, SHEET LS109

MATCH LINE A1, SHEET LS107

BUILDING A3
FFE = 26.00

BUILDING A2-2
FFE = 26.50

44-DWARF CLETHRA
5-DWARF CLETHRA
18-DWARF YAUPON HOLLY
4-EASTERN REDBUD

6' BENCH (TYP)
TREE ROOT BARRIER (TYP.)
TRASH RECEPTACLE (TYP)

137-LIRIOPE
2-SHUMARD OAK

7.00'

MATCH LINE A1, SHEET LS109

MATCH LINE A1, SHEET LS110

WETLAND AREA

50' WETLAND BUFFER

MATCH LINE A1, SHEET LS108

MATCH LINE A1, SHEET LS109

CENTIPEDE SOD (TYP)

MIXTURE ON SLOPED BENCH:
400 LIZARD'S TAIL
400 SOUTHERN BLUE FLAG IRIS
400 PATH RUSH
400 SWEET FLAG

STORMWATER POND IS FULL POOL. SEE CIVIL SHEETS C-530, C-532 AND C-533 FOR FURTHER DETAILS

1-WILLOW OAK

MATCH LINE A1, SHEET LS109

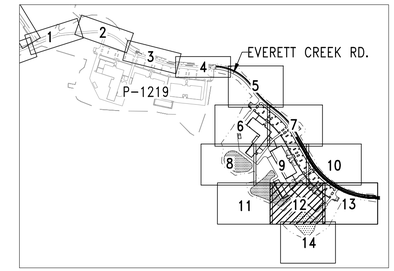
MATCH LINE A1, SHEET LS111

PLAN NORTH

0 30' 60'

A1 PARTIAL LANDSCAPING PLAN – AREA 12

SCALE: 1" = 30'



KEY MAP
SCALE: 1" = 1,000'

NOTE:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

SYM	DESCRIPTION	DATE	APPR
1	DIMENSION, WETLAND PLANTING REVISION	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 05.08.2026

SEAL

Stantec

A/E INFO

APPROVED
STEPHEN HOPPER, R.A.
FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH
PM/DM					SGL/MDM
BRANCH MANAGER					DLB
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1PT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 12

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903036
SHEET	219 OF 262

LS109

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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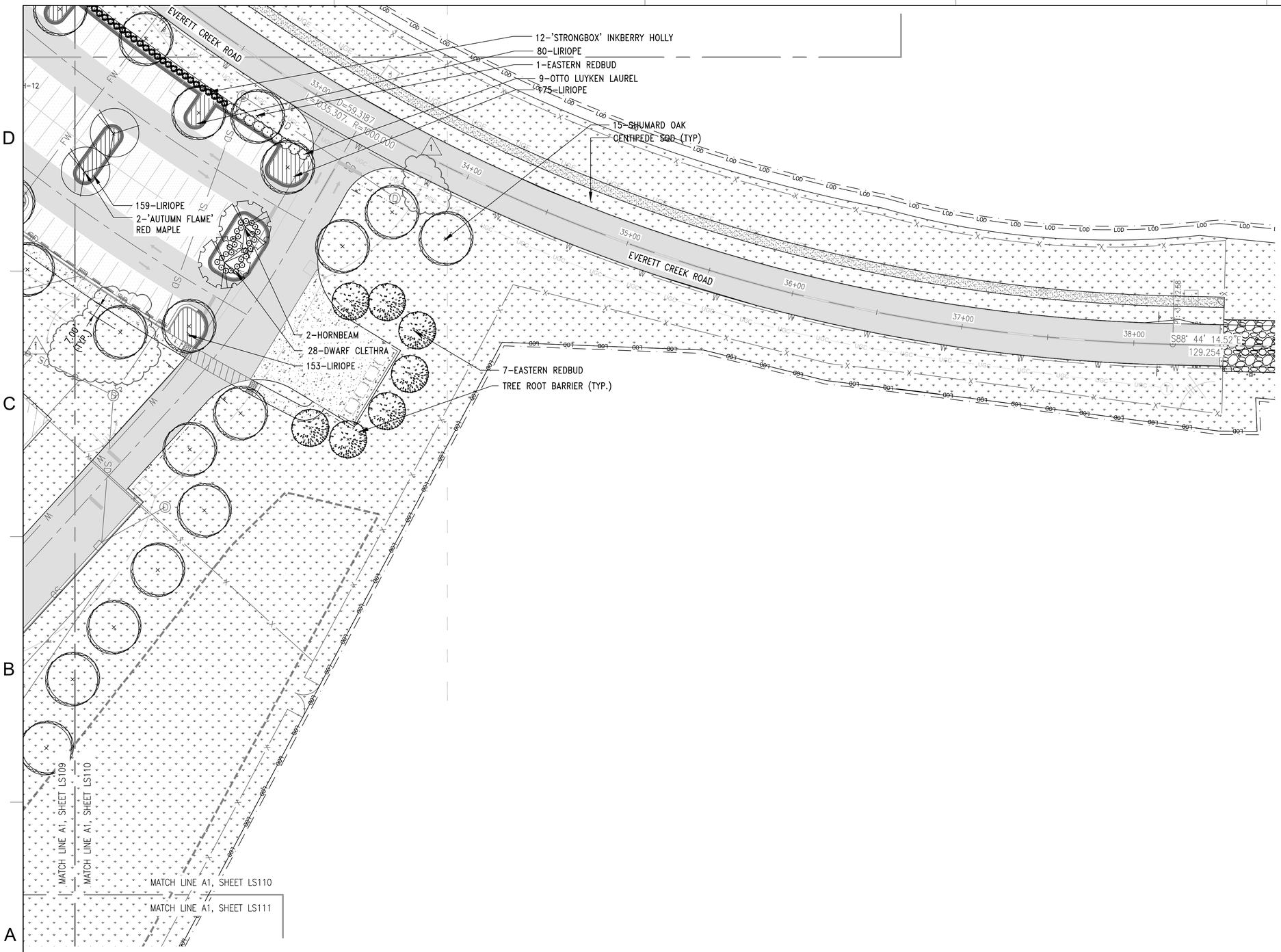

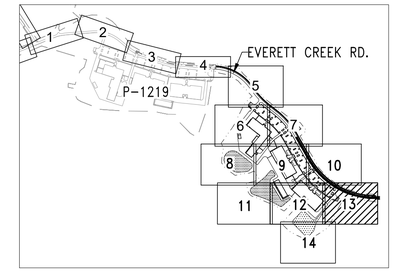

KEY MAP
SCALE: 1" = 1,000'

NOTES:

1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

A1 PARTIAL LANDSCAPING PLAN – AREA 13
SCALE: 1" = 30'

PLAN NORTH
TRUE N

0 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	TYPICAL DIMENSION, TREELIGHT POLE	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1553 STEPHEN HOPPER 06.08.2026
SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/16/2026
ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH
PM/DM				SGL/MDM	
BRANCH MANAGER				DLB	
CHIEF ENG/ARCH				JWJ	
FIRE PROTECTION				HPN	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MIDATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION – NORFOLK, VA
1PT MARINE
MARINE CORPS BASE
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 13

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903037
SHEET	220 OF 262

LS110

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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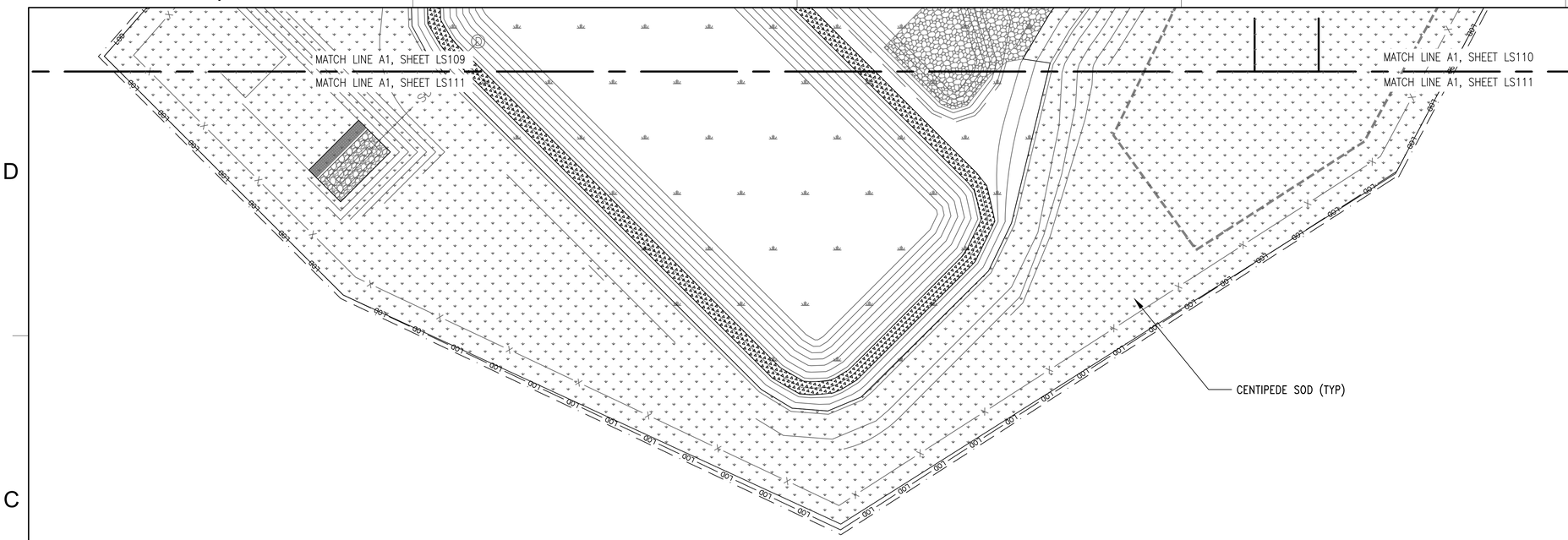

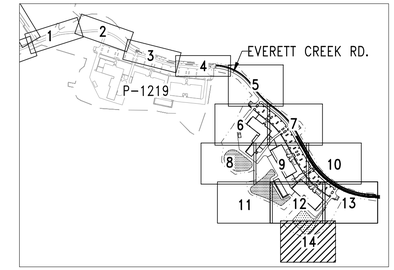

KEY MAP
SCALE: 1" = 1,000'

NOTE:
1. REFER TO SHEET LS100 FOR NOTES, LEGEND AND PLANT SCHEDULE

A1 PARTIAL LANDSCAPING PLAN – AREA 14
SCALE: 1" = 30'

PLAN NORTH
TRUE N

0 30' 60'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 STEPHEN HOPPER 10.08.2020
SEAL

Stantec

A/E INFO

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES WW	DRW WW	CHK SH	
PM/DM			SGL/MDM
BRANCH MANAGER			DLB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1FT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – AREA 14

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903038
SHEET	221 OF 262

LS111

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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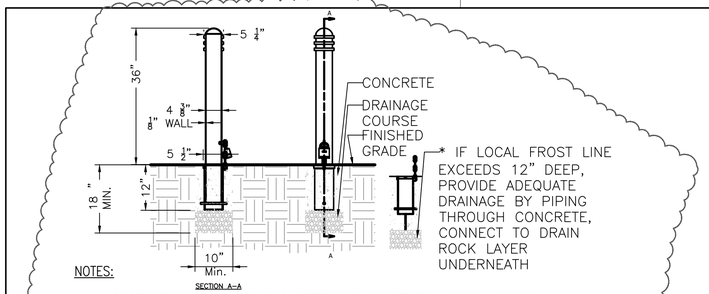
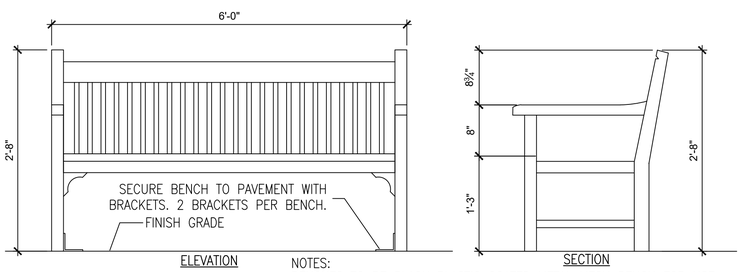


NOTES:

1. EMBEDMENT DETAILS ARE FOR REFERENCE ILLUSTRATION ONLY. MINIMUM FOUNDATION SIZES DEPEND ON LOCAL SOIL CONDITIONS, WEATHER CONDITIONS, AND ENGINEERING REQUIREMENTS.
2. BOLLARD POST IS PROVIDED AS SHOWN, WITH MATERIAL DETAILED IN LEGEND BELOW. CONCRETE, FOUNDATION AND/OR INSTALLATION ORDERED SEPARATELY OR PROVIDED BY OTHERS.
3. THIS DRAWING IS NOT DRAWN TO SCALE. DIMENSIONS PROVIDED HEREIN IS FOR REFERENCE ONLY.

C1 REMOVABLE BOLLARD

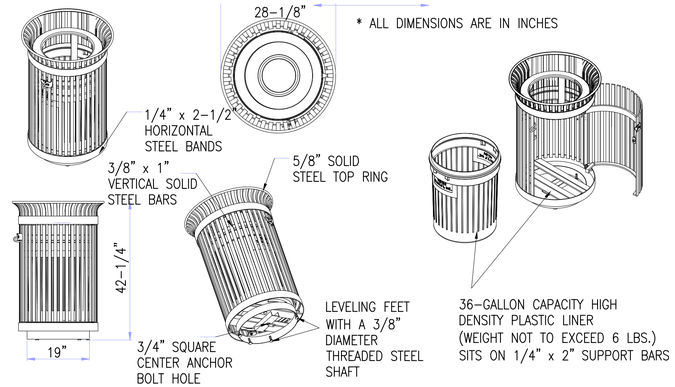
SCALE: NOT TO SCALE



NOTES:
BENCHES TO BE BLACK PLASTIC COATED METAL MESH BENCH FOR USE THROUGHOUT BASE, IN ACCORDANCE WITH CAMP LEJEUNE BEAP.

B1 BENCH DETAIL

SCALE: NOT TO SCALE



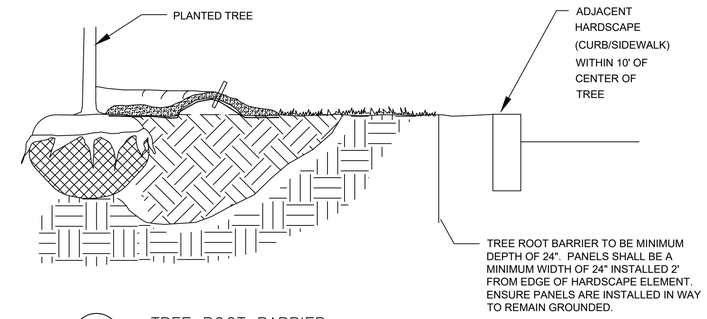
LIDS
1. STANDARD TAPERED FORMED LID.
SECURITY
2. SHOWN WITH STANDARD LOCKABLE LATCH AVAILABLE WITH OPTIONAL KEYED LOCK BOX. LID BOLTED IN PLACE. AVAILABLE WITH OPTIONAL MOUNT WITH 3 IN–LINE ANCHOR HOLES AND OPTIONAL ABS BOTTOM PLATE COVER.

NOTES:
1. TRASH RECEPTACLES TO BE BE POWDER COATED BLACK.
2. TRASH RECEPTACLES TO BE DUCTILE IRON CASTINGS.
3. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER–COATED WITH T.G.I.C. BLACK
4. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.

C3 TRASH RECEPTACLE

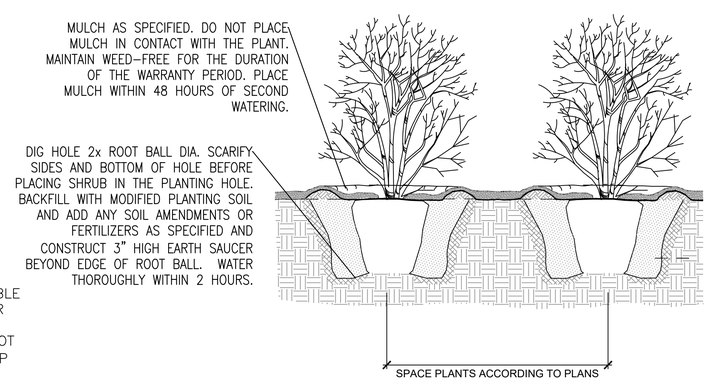
SCALE: NOT TO SCALE

NOTES:
1. ENSURE ROOT BARRIERS ARE INSTALLED AS NOT TO BE A TRIPPING OR MAINTENANCE HAZARD



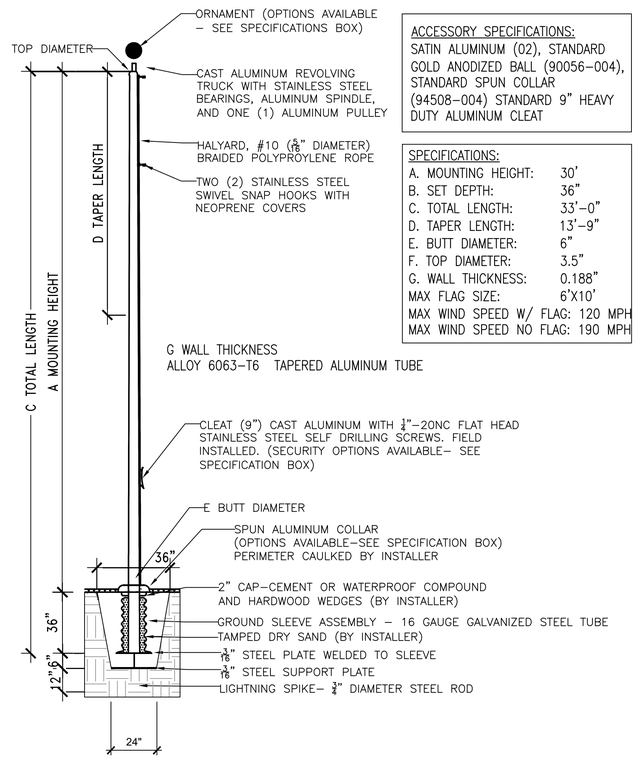
D4 TREE ROOT BARRIER

SCALE: NOT TO SCALE



B3 SHRUB PLANTING

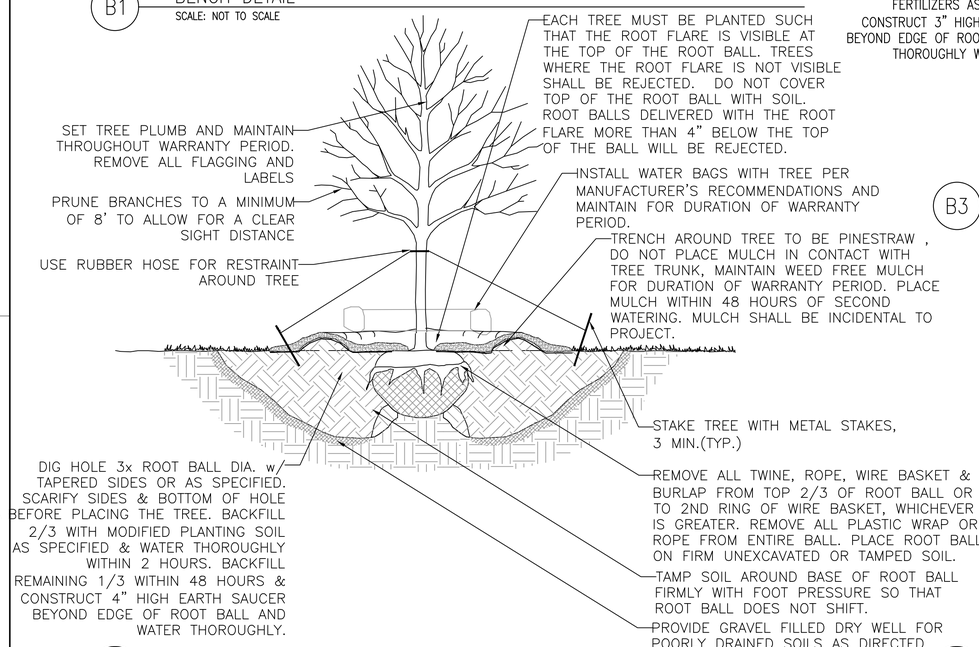
SCALE: NOT TO SCALE



ACCESSORY SPECIFICATIONS:
SATIN ALUMINUM (02), STANDARD GOLD ANODIZED BALL (90056–004), STANDARD SPUN COLLAR (94508–004) STANDARD 9" HEAVY DUTY ALUMINUM CLEAT

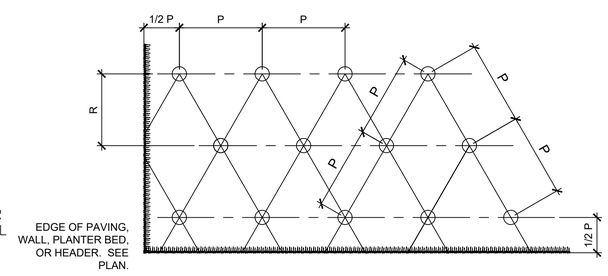
SPECIFICATIONS:

A. MOUNTING HEIGHT:	30'
B. SET DEPTH:	36"
C. TOTAL LENGTH:	33'–0"
D. TAPER LENGTH:	13'–9"
E. BUTT DIAMETER:	6"
F. TOP DIAMETER:	3.5"
G. WALL THICKNESS:	0.188"
MAX FLAG SIZE:	6'X10'
MAX WIND SPEED W/ FLAG:	120 MPH
MAX WIND SPEED NO FLAG:	190 MPH



A1 TREE PLANTING

SCALE: NOT TO SCALE



A3 SHRUB AND GROUNDCOVER PLANT SPACING

SCALE: NOT TO SCALE

NOTES:
1. FINISH TO BE DIRECTIONAL TEXTURED MECHANICAL POLISHED SATIN BRUSH.
2. SIZE TO BE 30' HEIGHT, ENSURE CABLE LENGTH TO MATCH HEIGHT.
3. PURCHASE OF FLAGPOLE TO INCLUDE AMERICAN FLAG PER FEDERAL REQUIREMENTS.
4. CONTRACTOR TO PROVIDE SUBMITTAL OF FLAGPOLE AND FLAG FOR REVIEW BY ENGINEER.

A4 FLAGPOLE

SCALE: NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	GAZEBO DETAIL REMOVED, RENUMBERED	04 JUN 2026	SMH

NAVFAC

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 1558 08.20.2026 STEPHEN HOPPER

SEAL

Stantec

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 6/4/2026

ACTIVITY

SATISFACTORY TO

DES	WW	DRW	WW	CHK	SH

PM/DM	SGL/MDM
BRANCH MANAGER	DLB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
1FT MARINE
MARINE CORPS BASE
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ~ NORFOLK, VA.
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER BATTALION OPERATIONS FACILITIES

PARTIAL LANDSCAPING PLAN – DETAILS

SCALE:	AS INDICATED
EPROJECT NO.:	1701820
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12903039
SHEET	222 OF 262

LS501

FINAL SUBMITTAL

DRAWFORM REVISION: 25 AUGUST 2020

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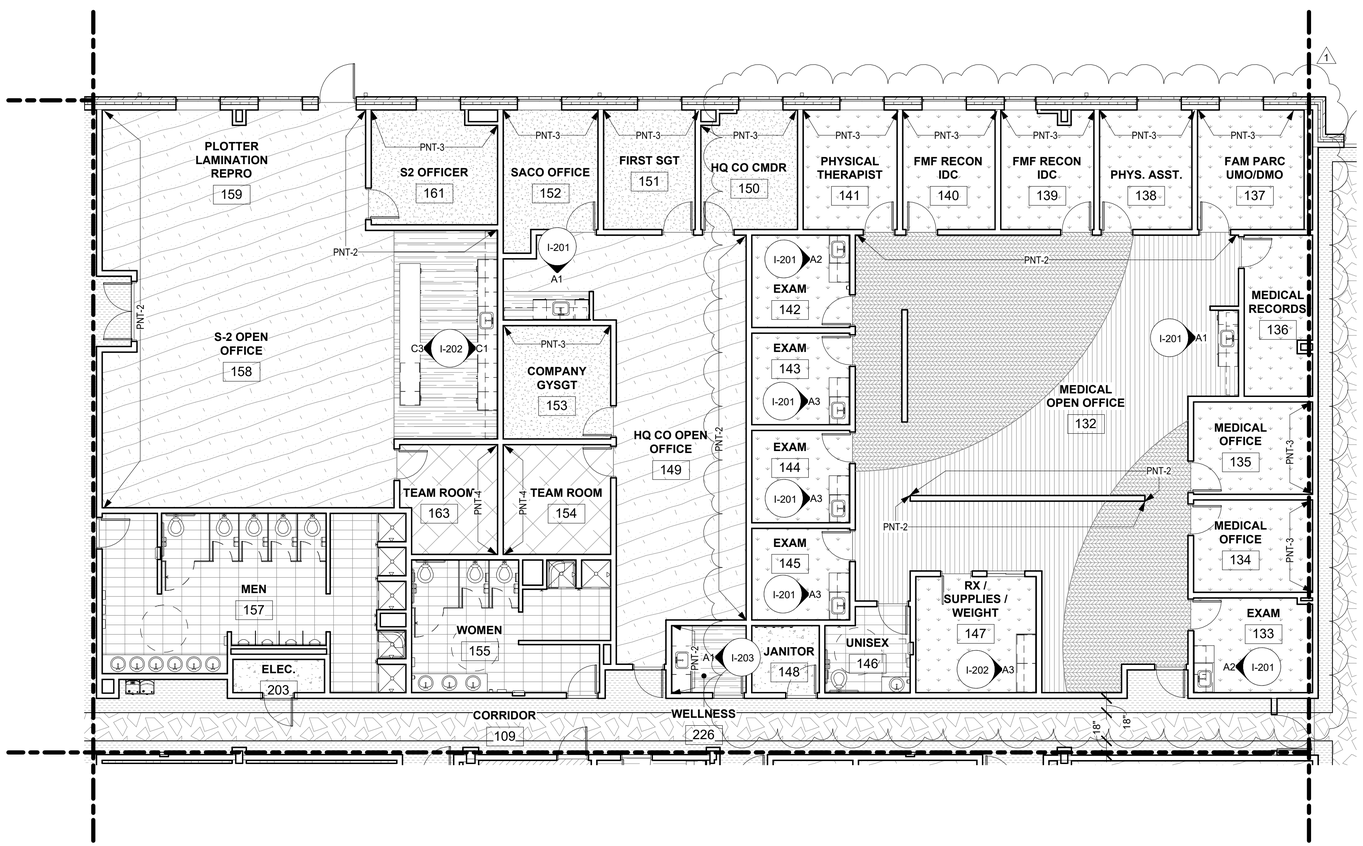
2026/06/10 1:34 PM By: Wiles, Will



A1 FINISH PLAN - AREA G

SCALE: 1/8" = 1'-0"

FLOOR FINISH KEY

- CPT-1
- CPT-2
- CPT-3
- CPT-4
- CPT-5 - CPT-10
- SC-1
- LVT-1
- SV-1
- SV-2
- SV-3
- ETZ-1
- ETZ-2
- ETZ-3
- T-1
- T-4
- RES-1
- RF-1

FLOOR FINISH NOTES

A. HATCH PATTERN DOES NOT INDICATE DIRECTION OR METHOD OF FLOORING INSTALLATION.

B. REFER TO SHEET I-602 FOR FINISH LEGEND.

C. ALL CARPET TILE AND LUXURY VINYL TILE TO BE INSTALLED IN AN ASHLAR PATTERN.

GENERAL FINISH NOTES

A. FINISHES INDICATED ARE THE APPROVED BASIS OF DESIGN TO CONVEY COLOR, PATTERN, TEXTURE AND SALIENT CHARACTERISTICS ONLY. THE LISTING OF MANUFACTURER INFORMATION IS NOT INTENDED TO LIMIT THE SELECTION OF PRODUCTS PROVIDED BY OTHER MANUFACTURERS. PRODUCTS MEETING THESE CRITERIA WILL BE CONSIDERED AND MUST BE REVIEWED BY THE INTERIOR DESIGNER OF RECORD (IDOR) AND THE NAVFAC INTERIOR DESIGNER AND APPROVED BY THE CONTRACTING OFFICER.

B. FINISH ITEMS ARE NOT TO BE SUBSTITUTED DUE TO ORDERING LEAD TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ORDER ALL MATERIALS IN TIME TO AVOID DELAYS.

C. COORDINATE THERMOSTAT LOCATIONS WITH MECHANICAL DRAWINGS AND CONSTRUCTION MANAGER. INSTALL THERMOSTATS NEAR A CORNER OF THE ROOM OR BY LIGHT SWITCHES.

D. SPRAY PAINT ELECTRICAL PANELS, ACCESS PANELS, AND EXPANSION JOINTS TO MATCH THE ADJACENT WALL COLOR. PANELS PAINTED BY BRUSH ARE NOT ACCEPTABLE

E. ALL FLOORING TRANSITIONS MUST MEET ABA GUIDELINES. FLOORING TRANSITIONS OCCURRING UNDER DOORS MUST BE CENTERED UNDER DOOR.

F. ALL WALL AND CEILING FINISHES IN VERTICAL EXIT WAYS, EXIT LOBBIES, AND EXIT CORRIDORS MUST MEET MINIMUM CLASS A RATING.

G. ROOMS IDENTIFIED TO RECEIVE TILE ON WALLS MUST INCLUDE METAL TRANSITIONS ON ALL OUTSIDE AND INSIDE CORNERS.

H. INSTALL CORNER GUARDS (CG-1) ON ALL OUTSIDE CORNERS IN OPEN STORAGE AREAS. INSTALL (CG-2) ON ALL OUTSIDE CORNERS IN OFFICE AREAS. INSTALL END CAPS ON ALL OPEN EDED WALLS. CORNER GUARDS AND END CAPS MUST BE FULL HEIGHT AND SHOULD NOT BE USED ON CMU WALLS, TILED WALLS, OR MANUFACTURED STONE WALLS.

I. COMMAND SUITE & VCT CONFERENCE ROOM TO RECEIVE RESILIENT BASE (RB-2). ALL OTHER AREAS TO RECEIVE RESILIENT BASE (RB-1) WITH THE EXCEPTION OF AREAS RECEIVING WALL TILE.

J. ALL WALLS TO BE PAINTED (PNT-1) UNLESS OTHERWISE INDICATED. ALL HOLLOW METAL DOORS AND DOOR FRAMES TO BE PAINTED (PNT-6). ALL GWB CEILINGS TO BE PAINTED (PNT-7).

K. ALL BASE CABINETS, WALL CABINETS, APRONS AND SHROUDS WILL BE PLASTIC LAMINATE (PLAM-1).

L. ALL BASE CABINET TOE KICKS WILL BE RUBBER BASE (RB-1).

M. ALL COUNTERTOP AND BACK/SIDE SPLASHES TO BE SOLID SURFACE (SS-1). BACK/SIDE SPLASHES ARE ONLY TO BE APPLIED AT WALLS WITHOUT TILE.

N. ALL WINDOW SILLS TO BE SOLID SURFACE (SS-2).

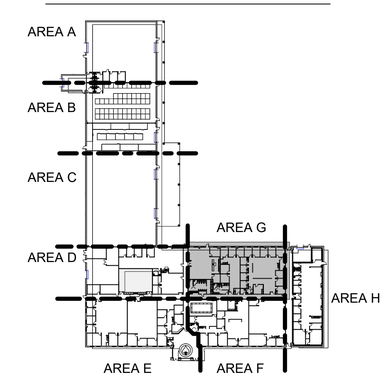
O. ALL SHOWER PANS AND SHOWERS WALLS TO BE SOLID SURFACE (SS-3).

P. ALL TOILET PARTITIONS, LOCKERS & LOCKER ROOM BENCHES TO BE HDPE FINISH (HDP-1)

Q. ALL INTERIOR WOOD DOORS TO BE FINISHED (WD-1).

R. FLOOR TILE (T-1 & T-4) & TO RECEIVE GROUT FINISH (GR-1). WALL TILE (T-2 & T-3) TO RECEIVE GROUT FINISH (GR-2). TILE TO BE INSTALLED IN A 1/3 OFFSET.

KEY PLAN



GRAPHIC SCALE:

1/8" = 1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR.
1	PPI #43 Finish Plan Update	6/12/2026	

NAVFAC

COMMONWEALTH OF VIRGINIA
JAMIE D. KISSEL
Cert. No. 001152
08 MAY 2026
CERTIFIED INTERIOR DESIGNER
SEAL

within
INTERIOR DESIGN
1008 GRANBY STREET
NORFOLK, VA 23510
757.224.0489
A/E INFO

APPROVED
FOR COMMANDER NAVFAC 6/16/2026
ACTIVITY
SATISFACTORY TO

DES	JDK	DRW	APG	CHK	JDK
PM/DM					SGL/MDM
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					JWJ
FIRE PROTECTION					HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MIDLANT DC CORE
MARINE CORPS BASE

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MIDATLANTIC
NAVAL STATION: NORFOLK, VA
CAMP LEJEUNE, NC

P-1550 SOF MARINE RAIDER
BATTALION / COMPANY / TEAM FACILITIES
FINISH PLAN - AREA G

SCALE: As indicated
EPROJECT NO.: 1701820
STA. PROJ. NO.
NAVFAC DRAWING NO. 12903208
SHEET 119 OF 347

A1
BN HQ

I-117

FINAL DESIGN SUBMITTAL
DRAWFORM REVISION: 25 AUGUST 2020

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