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NCBC GULFPORT
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LETTER REGARDING THE PROPOSED FENCED AREA AT FORMER HERBICIDE ORANGE
STORAGE SITE 8 NCBC GULFPORT MS
1/24/1986
U S AIR FORCE



DEPARTMENT OF THE AIR FORCE
 HEADQUARTERS AIR FORCE ENGINEERING AND SERVICES CENTER
 TYNDALL AIR FORCE BASE FL 32403-8001

470 *[Signature]*
 12 *[Signature]*

84 JAN 1986

REPLY TO
 ATTN OF: DEV

SUBJECT: Install Fence, Former Herbicide Orange Storage Area

TO: Naval Construction Battalion Center
 Public Works Dept Code 470
 Gulfport MS 39501

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Attached is an area map of the former Herbicide Orange storage area. The proposed location for a permanent, chain link fence is marked in green, with associated gate locations circled in red. I have also attached a generic set of specifications for chain link fence with 3-strand barbed wire. Please review and make any changes as necessary. When you approve the proposed location, we will physically stake out exact fence line/gate locations and begin contracting action for fence installation. Please refer questions to Capt Foth, AUTOVON 970-6260.

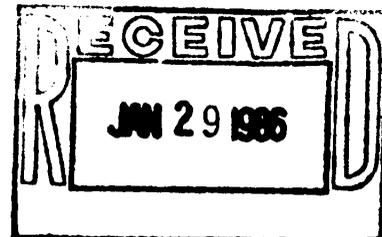
FOR THE COMMANDER

[Signature of Stephen M. Valder]

STEPHEN M. VALDER, Lt Colonel, USAF, BSC
 Director of Environmental Planning

- 2 Atch
- 1. HO Area Map
- 2. Fence Specifications

cc: HQ AFESC/RDV



ENC SE AREA
NCBC
GULFPORT, MS

SECTION 02444 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

- 1.01 - WORK INCLUDED
- 1.02 - REFERENCES
- 1.03 - SHOP DRAWINGS AND PRODUCT DATA

PART 2 - PRODUCTS

- 2.01 - MATERIALS
- 2.02 - CONCRETE MIX
- 2.03 - COMPONENTS

PART 3 - EXECUTION

- 3.01 - INSTALLATION

SECTION 02444 - CHAIN LINK FENCES AND GATES

1 GENERAL:

1.01 WORK INCLUDED

- a. Fence fabric and posts
- b. Excavation for post bases
- c. Concrete anchorage for posts
- d. Gates and related hardware

1.02 REFERENCES

- a. Chain Link Fence Manufacturers Institute (CLFMI) - Voluntary standard for chain link fence installation.
- b. ASTM A120 - Black and hot dip zinc coated (galvanized) welded and seamless steel pipe.
- c. ASTM A123 - Zinc (hot-galvanized coatings on products fabricated from rolled, pressed and forged steel shapes, bars, and strip).
- d. ASTM C94 - Ready-mixed concrete
- e. FS RR-F-00191 - Fencing, wire and post, metal (chain-link fence fabric)

1.03 SHOP DRAWINGS AND PRODUCT DATA

- a. Submit shop drawings and product data
- b. Clearly indicate plan layout, grid, spacing of components, accessories, fitments, and anchorage.
- c. Submit manufacturer's installation instructions and procedures, including standard details of fence and gate installation.

PART 2 PRODUCTS

2.01 - MATERIALS

- a. Framework: ASTM A120; Schedule 40, butt weld, standard weight, hot dip galvanized to 2.0 oz/sq. ft.
- b. Mesh: FS RR-F-00191 Type 1 - zinc-coated steel

2.02 CONCRETE MIX

- a. Concrete: ASTM C94, normal Portland cement, 2000 psi @ 28 days, 2 inch-3 inch slump.

2.03 COMPONENTS

- a. Line posts: 2.38 inch, steel tubing.
- b. Corner and terminal posts: 2.88 inch diameter. Steel tubing.
- c. Top and brace rail: 1.66 inch diameter, plan end, sleeve coupled.
- d. Caps: Cast or pressed steel, or malleable iron, hot dip galvanized.
- e. Extension arms: To accommodate 3 strands of barbed wire, sloped 45 degrees.
- f. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings, steel galvanized.
- g. Fabric: 2 inches diamond mesh, interwoven, 9 gage top selvage twisted tight, bottom selvage knuckle and closed.
- h. Bottom tension wire: 6 gage (5.2 mm) steel single strand, galvanized.
- i. Barbed wire: 12 gage (2.5 mm) wire, 3 strands, 4 points at 3 inch o.c. zinc coated steel.
- j. Gate Posts: 3.5 inch rolled form sections. Steel Tubing.
- k. Gate Frame: 1.66 inch diameter.
- l. Gate hardware: gate hinge, 180 degree male and female, fork latch and latch catch, drop bolt.

PART 3 EXECUTION

3.01 INSTALLATION

- a. Install line posts, corner posts, top rails, barbed wire arms, fabric and gates to provide a rigid structure for fence 7'-0" high. Use manufacturer's standard fittings, fasteners and hardware. Slope barbed wire arms outward.
- b. Maximum spacing of posts: CLFMA standard.
- c. Install line, corner, and terminal posts plumb, set in concrete footings as specified in CLFMA Standard.
- d. Set post to within 6 inches (150 mm) from bottom of concrete footing. Slope top of concrete for water runoff. Set top of footing 2 inches (51 mm) above finished grade.
- e. Position bottom of fabric 2 inches (76 mm) above finished grade with tension wire stretched taut between posts.
- f. Pass top rail through line post tops to form continuous bracing. Install 7 inch (175 mm) long couplings midspan at pipe ends.
- g. Brace each gate and corner post back to adjacent line post with horizontal center brace rail. Install brace rail, one bay from end and gate posts.

- h. Install center and bottom brace rail on corner and gate leaves.
- i. Fasten fabric to top rail, line posts, braces, and bottom tension wire with wire ties maximum 15 inch centers.
- j. Attach fabric to end, corner, and gate posts with tension bars and tension bar clips.
- k. Stretch fabric between terminal posts or at intervals of 100 ft. maximum whichever is the least dimension.
- l. Install 3 strands of barbed wire on arms, tensioned and secured.

END OF SECTION