



DEPARTMENT OF THE NAVY
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
ENVIRONMENTAL DIVISION
1220 PACIFIC HIGHWAY, RM 18
SAN DIEGO, CALIFORNIA 92132-5181

5090
1831.AV/2711
8 June 93

Mr. Loren Hays
United States Fish and Wildlife Service
2730 Loker Avenue West
Carlsbad, CA 92008

Dear Mr. Hays:

Southwest Division, Naval Facilities Engineering Command (SOUTHWESTNAVFACENGCOM) will be accomplishing Land Fill Site Repairs at Marine Corps Air Station (MCAS), El Toro.

This repair action is scheduled to begin in mid June of 1993 and should be completed by the end of August 1993. Specified areas of soil will be moved above the repair area of the existing Land Fill, see enclosure (1). Soil and any debris will be removed by heavy equipment and shall be loaded on trucks for dumping above the repair area to allow for the installation of a 4' wide x 2'6" deep x 780' long footing. See enclosures (2) and (3).

A health and safety plan has been developed and will be followed to ensure that the health and safety of onsite workers and the surrounding community is protected during the repair. All workers involved in the repairs will wear the appropriate level of protective clothing as required. In addition, work at the site will be closely monitored by SOUTHWESTNAVFACENGCOM.

A handwritten signature in cursive script, appearing to read "F.A. Piszkin".

ANDY PISZKIN
Remedial Project Manager
By direction of
the Commanding Officer

Encls:

- (1) Dump Site Repairs
- (2) Dump Map
- (3) Typical Fill & Rip Rap Map

Contract N62474-90-D-5861
Delivery Order _____
Page ____ of ____

BORREGO CANYON WASH
DUMP SITE REPAIRS

PROVIDE AND INSTALL COMPACTION SOIL TO EXISTING BANK AREA ALONG DUMP SITE APPROX. 780 LF. SOIL SHALL BE INSTALLED TO ALLOW FOR MAXIMUM SLOPE OF 1" RISE per 1 1/2" RUN MEASUREMENT. SOIL SHALL BE INSTALLED IN 8" LAYERS AND COMPACTED TO 90 % DENSITY OF MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE. SEE DRAWING 1-2 FOR DETAILS. CONTRACTOR SHALL RECHECK ALL MEASUREMENTS TO ASSURE PROPER INSTALLATION OF FILL.

PROVIDE LABOR AND EQUIPMENT TO DIG FOOTING 4' WIDE X 2'6" DEEP X 780' LONG. SOIL AND DEBRIS SHALL BE LOADED ON TRUCK AND DUMPED ABOVE REPAIR AREA IN EXISTING DUMP SITE. DUMPED SOIL/DEBRIS SHALL BE DUMPED IN LAYERS OF NO MORE THAN 12" THICK. DUMP SITE SHALL BE LOCATED DURING JOB WALK WITH CONTRACTOR. SEE DRAWING 1-2. DURING EXCAVATION OF FOOTING CONTRACTOR SHALL NOTIFY CONTRACT MGR. IF ANY DEBRIS ARE FOUND OTHER THAN SOIL OR ROCK.

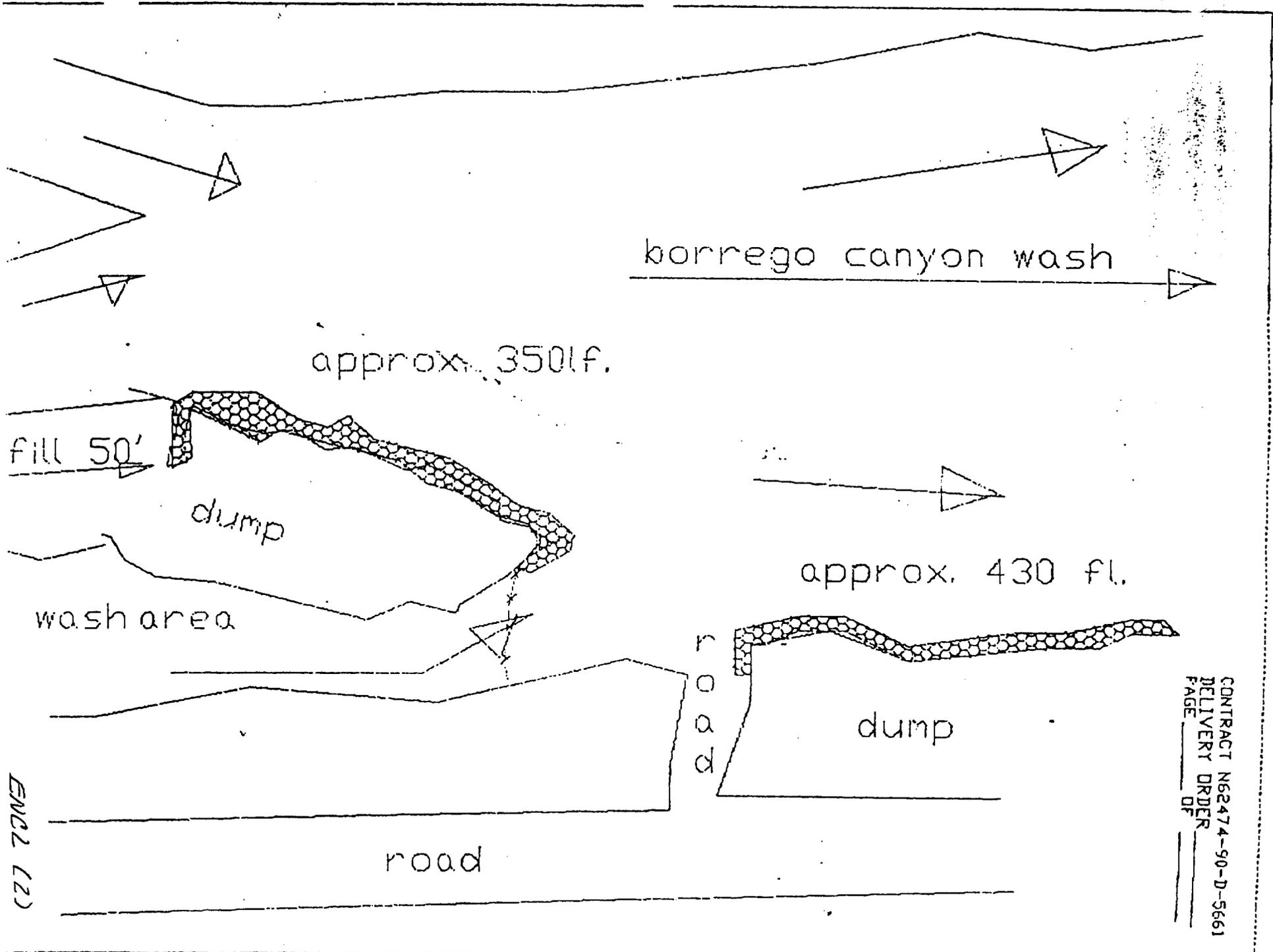
PROVIDE AND INSTALL GEOTEXTILE FABRIC TO COVER NEW SLOPE AREAS FROM TOP OF BANK TO BOTTOM OF FOOTING. EROSION CONTROL FABRIC SHALL BE EXXON GTF-400E OR EQUAL. FABRIC SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

1. FABRIC SURVIVABILITY----- VERY HIGH
2. GRAB STRENGTH ----- 270 LBS
3. PUNCTURE STRENGTH ----- 110 LBS
4. BURST STRENGTH ----- 430 PSI
5. TRAP TEAR ----- 75 LBS

PROVIDE AND PLACE RIP-RAP STONE TO COVER NEW SLOPE AREAS AND FOOTING. RIP-RAP SHALL BE A MAXIMUM SIZE OF-16" DIA. RIP-RAP SHALL COVER SLOPE 2' THICK FROM FOOTING TO TOP OF SLOPE. PROVIDE AND INSTALL RIP-RAP TO FILL WASHED OUT AREA APPROX. 10' WIDE AND 50' LONG, RIP-RAP IN DITCH AREA SHALL BE 3' DEEP. SEE DRAWINGS 1-2. LOCATION SHALL BE SPOTTED DURING JOB WALK.

CONTRACTOR SHALL ACQUIRE ALL CITY, COUNTY, STATE AND FEDERAL PERMITS REQUIRED TO WORK IN FLOOD CONTROL CHANNEL. TO INCLUDE FISH AND GAME REQUIREMENTS, AND ARMY CORPS OF ENGINEERING.

ENCL (1)



CONTRACT N62474-90-D-5661
 DELIVERY ORDER _____
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OPERATIONS
 ID: 5/58
 HFR 2793
 12:23 NO. 004 P. 03