



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

IN REPLY REFER TO:
5090/11305
LN
June 23, 2010

Zinith Barbee
North Carolina Department of
Environment and Natural Resources
Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Dear Mr. Barbee:

On April 26, 2010, MCAS Cherry Point received a letter from the Solid Waste Section (SWS) requesting permit application information for the next five-year phase of operation for our Land Clearing and Inert Debris (LCID) Landfill. On July 14, 2006, MCAS Cherry Point requested a permit renewal and/or amendment, as appropriate, by certified mail to SWS. Our current LCID Permit Number is 25-B.

Attached is a completed application for a five-year LCID Permit Amendment. The LCID Standard Operating File provides the updated Operation Plan. A letter from the local government stating that the LCID complies with local land use and zoning ordinances is not applicable as the facility is located on an active military installation and owned by the federal government. Upon receipt of the invoice number, the application fee will be submitted electronically by the MCAS Cherry Point Comptroller Office.

If you have questions or comments, please contact Mr. William Belli of the Environmental Affairs Department at (252) 466-5271.

Sincerely,

A handwritten signature in black ink, appearing to read "J. K. Christopher", written over a large, stylized flourish.

J. K. CHRISTOPHER
Supervisory Environmental Engineer
By direction of the
Commanding Officer

Enclosures: 1. LCID Permit Amendment Application
2. PDF-Formatted Electronic Copy (CD)

Applicant Signature Page

Name of facility LCID Landfill, Permit No. 25-B

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision and that the information provided in this application is true, accurate, and complete to the best of my knowledge.

I understand that North Carolina General Statute 130A-22 provides for administrative penalties of up to fifteen thousand dollars (\$15,000.00) per day per each violation of the Solid Waste Management Rules. I further understand that the Solid Waste Management Rules may be revised or amended in the future and that the facility siting and operations of this solid waste management facility will be required to comply with all such revisions or amendments.



Signature By direction of the
Commanding Officer
Environmental Affairs Officer

Title

G. W. Radford

Print Name

MCAS Cherry Point

Business or organization name

23 June 2010

Date

Date

Application for 5-Year LCID Permit

Each 5-year LCID Permit requires an application. The following information must be submitted to the Section within no less than 3 months from the expiration date of the previous Permit to Operate to maintain continuous operation of the LCID landfill.

1. A minimum of two cross-sections along each major axis per operational area that shows the current elevations, the proposed excavation, the proposed elevation at the end of the 5-year phase of operation and the proposed final elevations. The excavation drawing must show the separation to groundwater and bedrock is at least 4 feet.
2. An updated Operations Plan.
3. A completed request for Compliance History Review (attached).
4. Letter from local government stating that the LCID complies with local land use and zoning ordinances.

**SOLID WASTE SECTION PERMIT APPLICATION
COMPLIANCE REVIEW REQUEST
AND PERMIT FEE INVOICE REQUEST**

Submit to the Field Operations Branch Head (or Compliance Officer) and to Jeff Skabo

Review Requested by:	_____	Date Requested:	_____
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Name of facility and permit number	_____ LCID Landfill, Pernit No. 25-B
Applicant (Owner) Name	_____ MCAS Cherry Point
Description of Permit Request	_____ 5-Year LCID Permit Amendment
Permit Fee Action	_____
Date Application Received	_____
Contact Name and Title	_____ William Belli, Environmental Engineer
Company	_____ MCAS Cherry Point
911 Address	_____ 4586 Access Road
Mailing Address	_____ PSC Box 8006
City/State/Zip	_____ Cherry Point, NC 28533-8006
Parent Company	_____ United States Marine Corps, Dept. of Defense
Known Subsidiaries	_____ Not Applicable
Other known names business has operated under	_____ Not Applicable
Known Counties of Operation	_____ Craven
Does the applicant have a past or current solid waste permit? If Yes:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Facility Type: <u>TS</u> Permit #: <u>25-10T</u>
Does the applicant have other DENR permits? If Yes:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Several DENR permits Division: _____ Facility Type: _____ Permit #: _____
Did the permit applicant submit Financial Assurance cost estimates?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/a <input type="checkbox"/> Not Needed <input type="checkbox"/>
Are the cost estimates sufficient?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/a <input type="checkbox"/>
Other notes	_____

Land Clearing and Inert Debris Landfill

Standard Operating File



Environmental Affairs Department

MCAS Cherry Point

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I. Overview

Marine Corps Air Station (MCAS) Cherry Point currently operates a Land Clearing and Inert Debris (LCID) Landfill under Solid Waste Permit Number 25-B issued September 23, 1982 by the North Carolina Department of Environment and Natural Resources, Division of Waste Management (Appendix A). The landfill serves as the disposal site for military and base operational land clearing, construction, renovation, and demolition activities conducted on board the Air Station by military and civilian operations. Landfill is divided into several areas to allow segregation for recycling and/or reuse of the disposed material (Appendix B)

Responsibilities for the landfill fall into two areas: operational support and environmental compliance. The Facilities Maintenance Department (FMD) oversees the operational activities, and the Environmental Affairs Department (EAD) oversees the environmental compliance. Close interaction between the FMD and EAD is essential to ensure proper and effective operation of the landfill and ensure compliance with state and federal environmental regulations.

Material accepted at the landfill consist of land clearing debris such as tree stumps, limbs, and leaves; inert debris such as concrete, masonry, brick, and uncontaminated soil; and unpainted and untreated wood such as pallets and packing crates. Spiractor sand (a silica media coated with calcium carbonate and manganese produced as a byproduct of the water softening process at the Water Treatment Plant) and coal ash (coal combustion byproducts produced by the Central Heating Plant) are stockpiled at the LCID Landfill for beneficial use.

Due to limited life of the landfill, disposal of debris resulting from contractor activities such as demolition, construction, and renovation projects is not permitted in the LCID Landfill. Unless specifically authorized by the EAD in the project contract, contractor generated debris is required to be removed from the Air Station for proper disposal or recycling.

Disposal activities are controlled and monitored by a landfill operator who is authorized to refuse the load should it contain any unauthorized material. Disposal of unauthorized material is a violation of the permit conditions and can result in regulatory action. Appendix B delineates the landfill disposal and managed storage areas.

II. Detailed Operations

The FMD is responsible for the overall operation of the LCID Landfill. The EAD provides technical guidance and is responsible for ensuring the LCID landfill is compliant with federal and state environmental regulations (Appendix C, D, and E). Disposal of material at the LCID Landfill is closed to the general public; however, military and civilian personal may salvage wood from the LCID Landfill using an Inert Debris and Removal Form (Appendix F).

The LCID Landfill normal operating hours are Monday – Thursday from 0730-1115 and 1230 - 1600. An operator is onsite during these times. The access gate will be secured in the absence of the operator . The operator’s primary responsibilities include visually inspecting waste materials, weighing vehicles in and out, maintaining the LCID Activity Log, and ensuring wastes are placed in the pre-designated areas. The landfill operator can be contacted at 466-6785. The following personnel should be contacted if necessary.

Department	Name	Phone #
Facilities Maintenance Department	Wayne Lawrence	466-4495
Environmental Affairs Department	Dave Cooke	466-2864
LCID Landfill Operator	Operators Vary	466-6785

III. Acceptable Wastes

The following wastes are acceptable at the LCID Landfill: land clearing waste, inert debris, uncontaminated soil, and untreated and unpainted wood waste. Government employees and military personnel are required to present a completed Landfill Chit when attempting to deposit land clearing or inert debris. Government contractors depositing wastes at the LCID must have the Landfill Chit signed by an EAD Representative (Appendix G). The LCID Landfill operator should direct contractors without a signed Landfill Chit to the Environmental Affairs Department.

Untreated/Unpainted Wood Waste- Used wood pallets and shipping crates comprise the majority of wood collected. The wood must contain no metal (other than nails used for assembly of the pallet), and must be untreated and unpainted. The LCID Landfill has an area designated for the collection of wood. Untreated/unpainted wood products are deposited in this assigned area.

Wood can be deposited in designated “Wood Only” dumpsters located throughout the base for transport to the LCID Landfill. The landfill operator will ensure that the wood presented is acceptable for disposal. Wood that is unacceptable for disposal in the LCID Landfill is to be taken to the municipal solid waste transfer station located at Mockingbird Hill for proper disposal. The FMD utilizes a bulldozer to compact wood waste on an as-needed basis. MCAS Cherry Point periodically contracts for services to chip the wood as needed. The chipped wood is utilized for energy recovery at an approved permitted facility and/or used as ground cover.

Land Clearing Waste- This includes stumps, trees, limbs, brush, grass, yard debris, and other naturally occurring vegetative material. All land clearing waste is to be placed in the designated wood waste section of the LCID. These items will be chipped with other wood waste as necessary.

Inert debris- Concrete, brick, concrete block, uncontaminated soil, gravel, and rock from construction projects may be disposed at the LCID Landfill. These items need to be separated when disposed in the inert debris section of the landfill for future use as beneficial fill. Rebar must be cut flush with the concrete prior to disposal.

Used asphalt- This includes used asphalt or used asphalt mixed with dirt, sand, gravel, rock, and concrete. Used asphalt must be segregated from other inert debris for future recycling.

Soil- Uncontaminated soil suitable for structural fill will be stored in the designated area for later reuse, and may also be utilized as cover material.

IV. Materials Managed at the LCID

Coal Combustion Byproducts- This material is produced by the installation's Central Heating Plant. The ash is staged at the landfill for future recycling and/or beneficial fill; therefore, mixing of other waste with the coal ash is prohibited.

Asbestos- A closed top container is staged at the landfill for use by trained Air Station and Contractor personnel for disposal of asbestos material. The asbestos material deposited in the container is disposed off-station at an appropriate disposal facility, as needed. Prior to disposal, an Asbestos Chit (Appendix H) must be completed and signed by an EAD Representative.

Spiractor Sand- The Water Treatment Plant aboard MCAS Cherry Point produces a sand media coated with calcium carbonate and manganese in its water softening process. This material has been determined by laboratory analysis to be inert and poses no risks to personnel; it is used as cover material.

V. Emergency Contingency Plan

MCAS Cherry Point is equipped with its own fire fighting and emergency response capability located aboard the installation. In case of a fire or spill, call 911. Personnel will follow the guidelines established by Air Station Order 5090.7 (Appendix E) for spill response.

Appendix A

Solid Waste Permit No. 25-B

PERMIT NO. 25-B

DATE ISSUED 9/23/82

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
Division of Health Services
P.O. Box 2091 Raleigh 27602

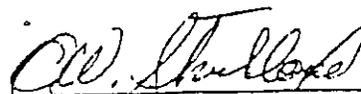
SOLID WASTE PERMIT

CHERRY POINT, MCAS is hereby issued a permit to
operate a DEMOLITION LANDFILL
located ON BASE,

in accordance with Article 13B of the General Statutes of North Carolina and all
rules promulgated thereunder and subject to the conditions set forth in this
permit. The facility is located on the below described property.

This description is based on the North Carolina Grid Coordinate System.

BEGINNING at coordinates 432,643.35 / 2,631,836.92
thence S 04° 52' 34" E 1060',
thence S 85° 07' 26" W 290.00',
thence N 82° 57' 34" W 378.00',
thence N 51° 27' 34" W 590.00',
thence N 01° 35' E 295.00',
thence N 58° 05' 25" E 623.33',
thence S 85° 07' 26" W 500.00' to the beginning.



O. W. Strickland, Head
Solid & Hazardous Waste Management
Branch
Environmental Health Section

PERMIT NO. 25-B

DATE ISSUED 9/23/82

SOLID WASTE PERMIT

Conditions of Permit:

1. This permit may be subject to review at an administrative hearing upon petition of anyone whose legal rights, privileges, and duties may have been affected by the issuance thereof.
2. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located.
3. The "Certification of Recordation of Solid Waste Permit" returned to the Solid and Hazardous Waste Management Branch.
4. This solid waste disposal site is permitted to receive stumps, limbs, leaves, concrete, masonry, wood, and uncontaminated earth.
5. This permit is for construction according to plans prepared by McDowell-Jones, P.A. dated June 3, 1982. Any modification or deviation from the approved plans shall be approved by the North Carolina Solid and Hazardous Waste Management Branch.

Appendix B

Landfill Disposal and Managed Storage Map

ENTRANCE SIGN

LAND CLEARING AND
INERT DEBRIS LANDFILL
PERMIT XXXXXX

HOURS OF OPERATION
MONDAY, WEDNESDAY, FRIDAY 0730 - 1115
MONDAY, WEDNESDAY 1200 - 1515

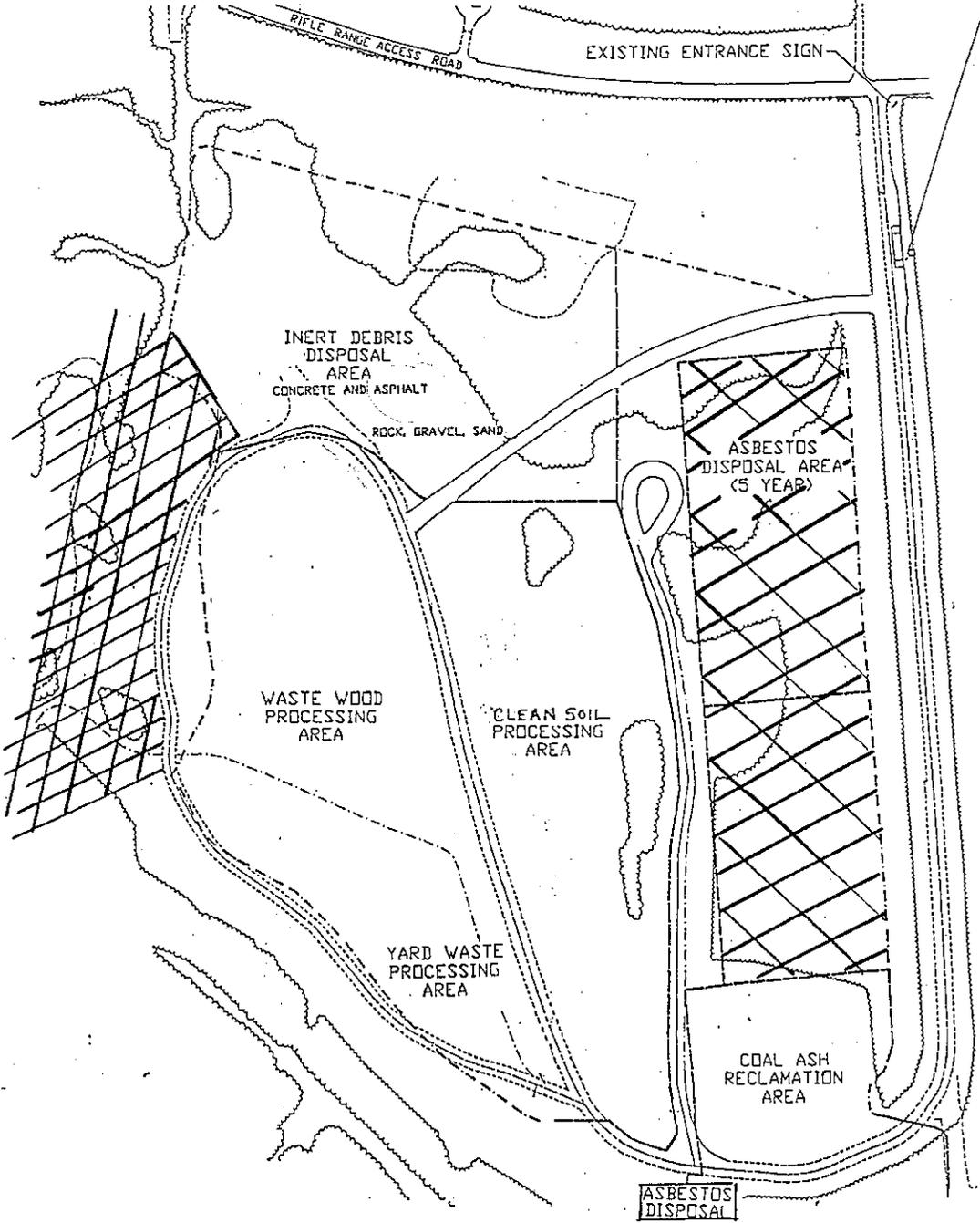
AUTHORIZED MATERIALS
WOOD (NON-TREATED, NON-PAINTED, METAL FREE)
GREEN WASTE (GRASS, TREES, ORGANIC DEBRIS)
CONCRETE AND ASPHALT DEBRIS (METAL FREE)
TOPSOIL, FILL DIRT, ROCK, GRAVEL, SAND

IN CASE OF EMERGENCY CONTACT
FACILITIES MAINTENANCE DEPARTMENT
466-4363

UNAUTHORIZED WASTE

- NO TRASH
- NO GARBAGE
- NO PAINTED WOOD
- NO TREATED WOOD
- NO METAL
- NO FURNITURE
- NO APPLIANCES
- NO AUTOMOBILE COMPONENTS
- NO HAZARDOUS WASTE
- NO TOXIC MATERIALS
- NO FLAMMABLE MATERIALS

4' WIDE BY 3' HIGH WEATHER
TIGHT BULLETIN BOARD FOR LANDFILL MAP

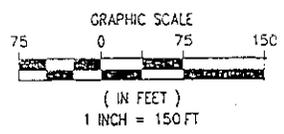


ALL VEHICLES MUST LOG IN AND OUT

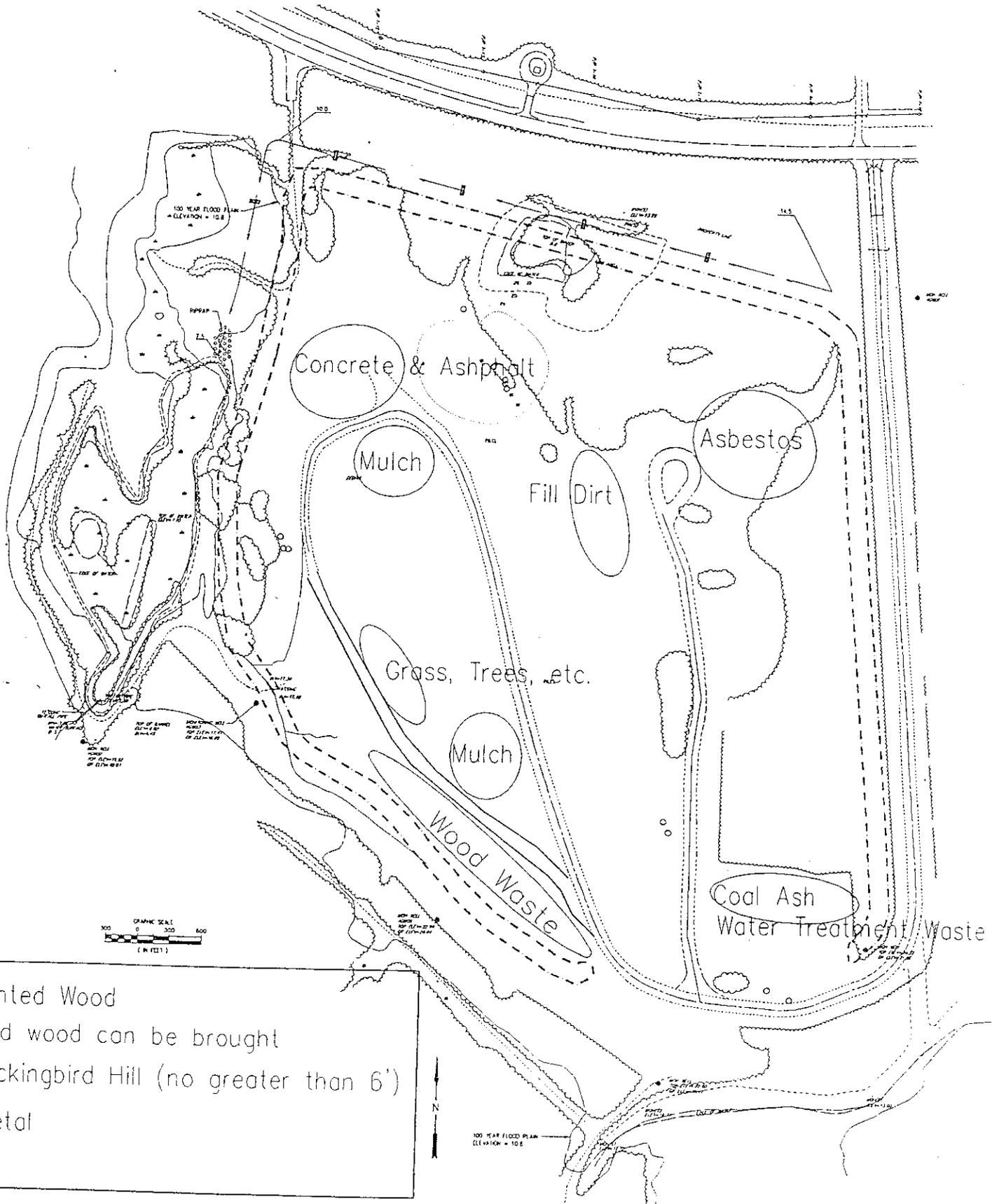
DO NOT ENTER/EXIT LANDFILL
WITHOUT CHECKING IN WITH
OPERATOR AND SECURING
WEIGHT TICKET

IF OPERATOR IS NOT PRESENT CONTACT
FACILITIES MAINTENANCE DEPARTMENT
AT 466-3416 FOR INFORMATION

LAND CLEARING AND
INERT DEBRIS LANDFILL



Landfill Operating Plan



No Painted Wood
Painted wood can be brought
lockingbird Hill (no greater than 6')
No metal

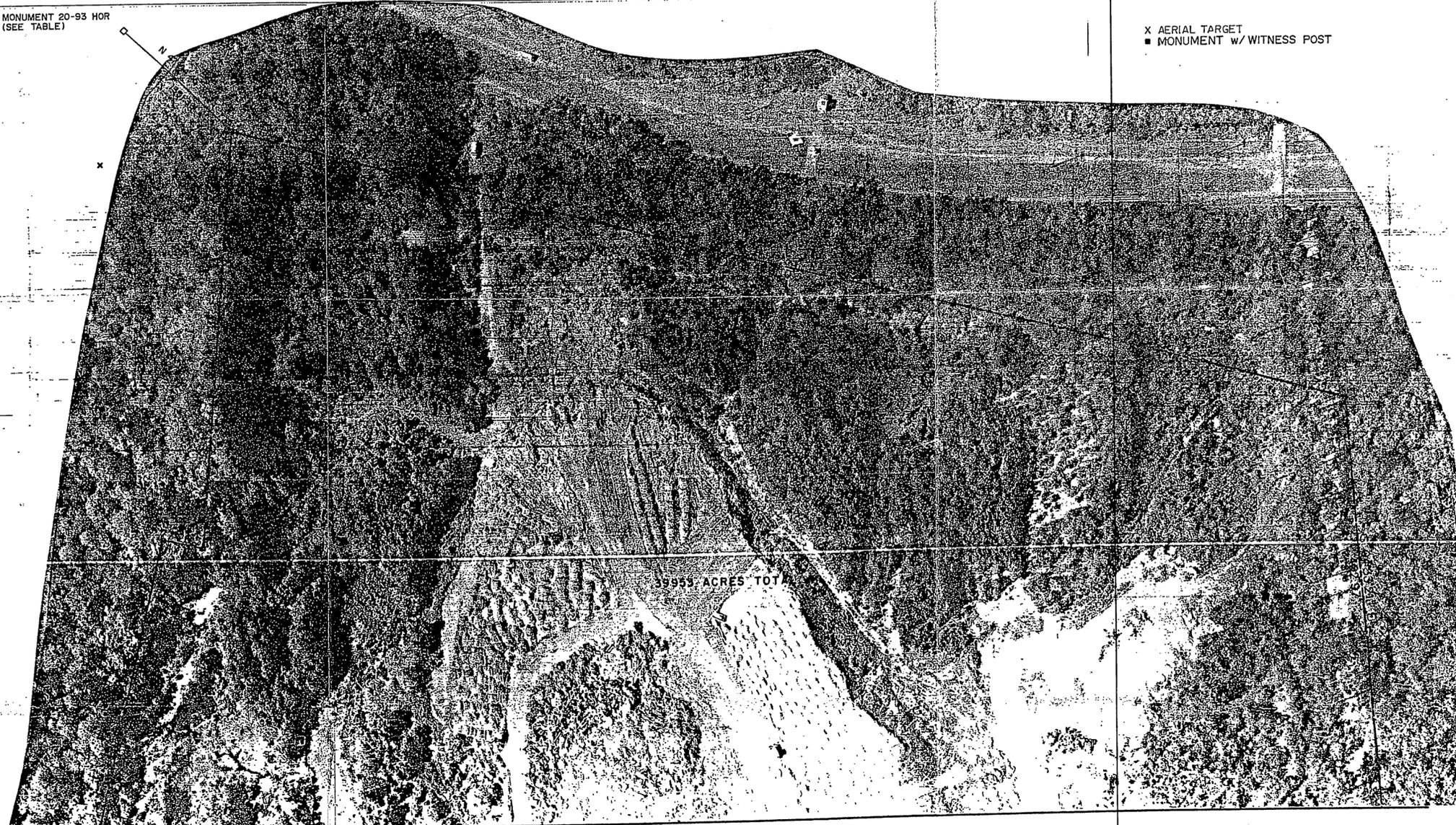
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED



MONUMENT 20-93 HOR
(SEE TABLE)

X AERIAL TARGET
■ MONUMENT W/ WITNESS POST

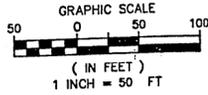
GRID NORTH
N.C. GRID (NAD 83)



39955 ACRES TOT

MATCH LINE TO SHEET TWO

MONUMENT 20-93 HOR		
NORTH AMERICAN DATUM OF 1983 (NAD 83)		
NORTH CAROLINA STATE PLANE COORDINATES		
UNITS	NORTHING	EASTING
METERS	132,302.962	801,406.26
U.S. SURVEY FEET	434,063.97	2,629,280.36
INTERNATIONAL FEET (LSI)	434,064.84	2,629,285.63



MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9284		M P	
FED DRAWING NO.		DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
MARINE CORPS AIR STATION, CHEERY POINT, N.C.		BOUNDARY SURVEY OF LANDFILL SITE -CHERRY POINT, NORTH-CAROLINA	
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CHK		DATE	
APP		DATE	
IN CH		DATE	
APPROVED FOR DECC	DATE	SIZE	COORDINATE NO.
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DEC 1 1997		PROJECT NUMBER: S010L	



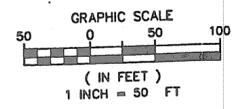
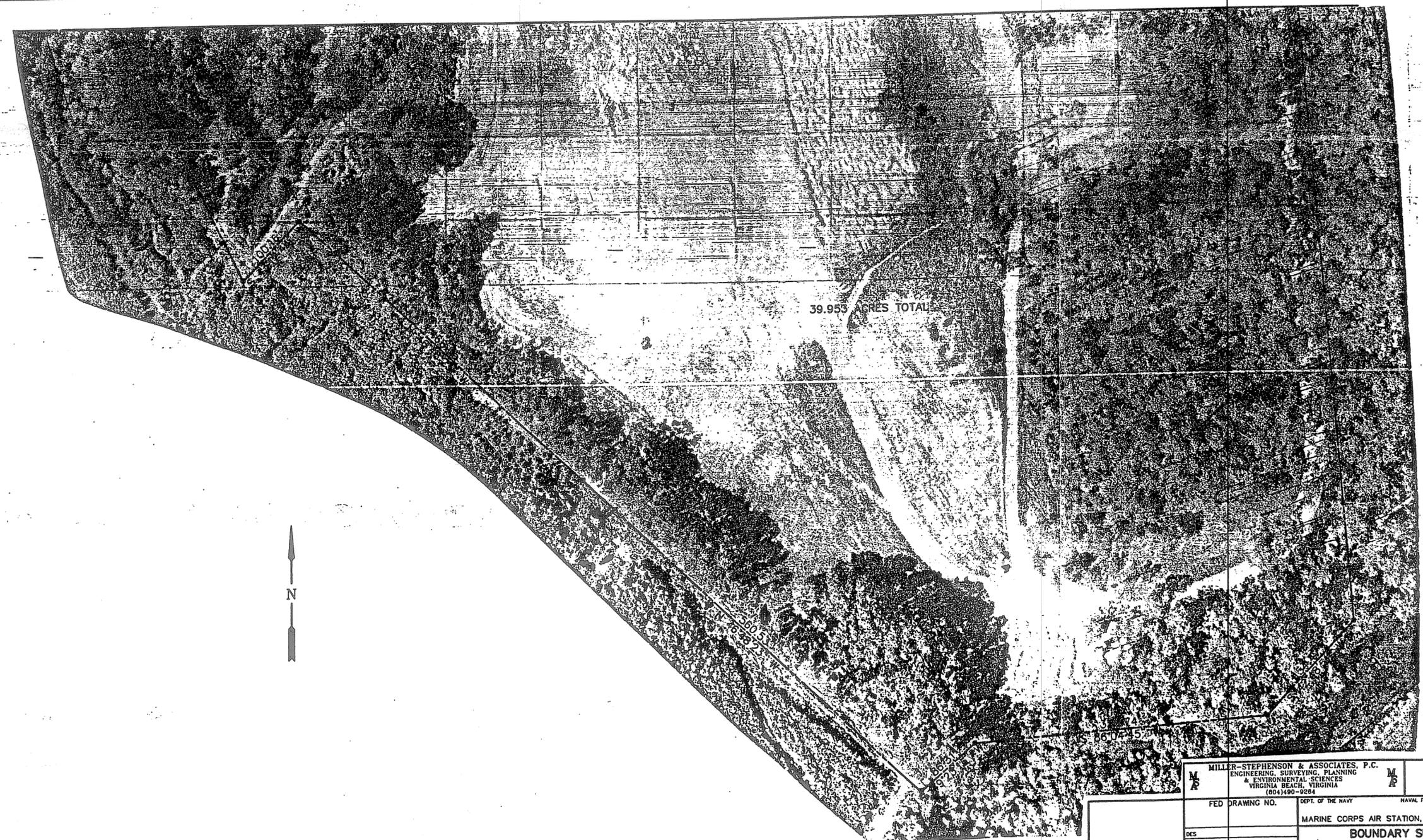
USE GRAPHIC SCALE

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



MATCH LINE TO SHEET ONE

X AERIAL TARGET
 ■ MONUMENT (TYP.)

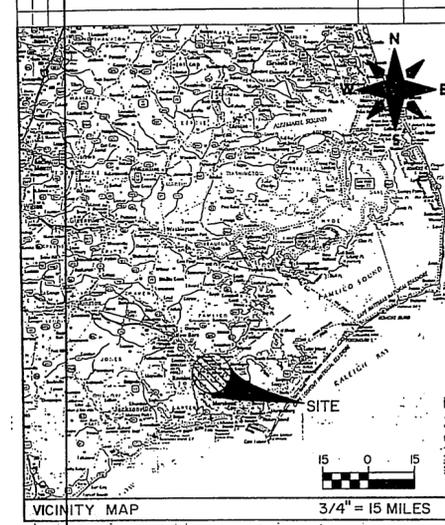


MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804) 490-9284		DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
FED DRAWING NO.		MARINE CORPS AIR STATION, CHEERY POINT, N.C.	
DES		BOUNDARY SURVEY	
DR		OF	
CHK		LANDFILL SITE	
SUPV		CHERRY POINT, NORTH CAROLINA	
IN CH		PROJECT NUMBER: SC10L	
APPROVED: FEJ OR DCC	Date	SIZE	CODE IDENTIFY
SATISFACTORY TO	Date	F 8009	EDUCED SIZE
	MAY 94	SCALE 1" = 50'	SHEET 2 OF 2

USE
 GRAPHIC SCALE



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SYN.	DESCRIPTION	DATE	APPROV.

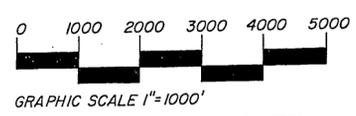


ABBREVIATIONS:

CL	CENTERLINE
CY	CUBIC YARD
CONC	CONCRETE
E	EAST
ELEV	ELEVATION
GR	GROUND
INV	INVERT
MIN	MINIMUM
N	NORTH
NTS	NOT TO SCALE
S	SOUTH
W	WEST

INDEX OF DRAWINGS:

SHEET NUMBER	SHEET TITLE
C-1	VICINITY MAP - GENERAL NOTES
C-2	SITE PLAN
C-3	SITE PLAN
C-4	CROSS SECTIONS
C-5	CROSS SECTIONS
C-6	DETAILS



- ① 98 MCAS AND MAW HEADQUARTERS
- ② 63 FACILITIES/DEVELOPMENT/FACILITIES ENGINEERING/ROICC
- ③ 251 PASS AND I.D./MAIN GATE
- ⑤ GATE 6

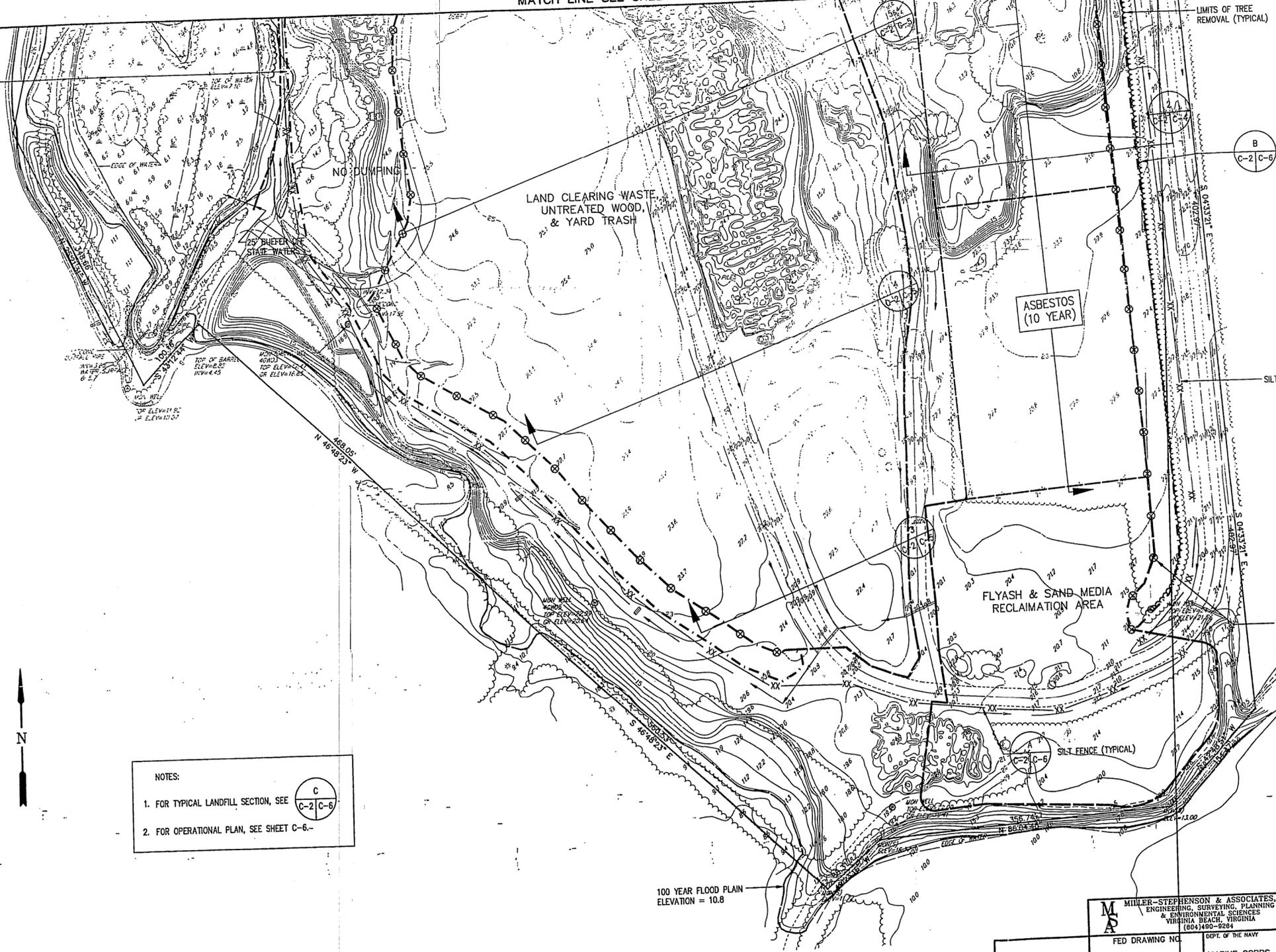
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FED DRAWING NO.		DEPT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
RSM, III		MARINE CORPS AIR STATION, CHERRY POINT, N.C.	
CAM		EXPAND AND IMPROVE CONSTRUCTION DEBRIS LANDFILL	
VICINITY MAP - GENERAL NOTES		PROJECT NUMBER:	
APPROVED/FED OR DATE		SIZE	CODE (DWH) NO
SATISFACTORY TO		F	80091
DATE		SCALE	CONSTR CONTR NO

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CHECKED BY: [unclear]
SCALE: 1"=1000'

REVISIONS			
SYH.	DESCRIPTION	DATE	APPROV.

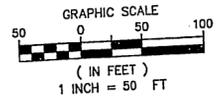
MATCH LINE SEE SHEET C-3

TOE OF NEW BERM SHALL BEGIN AT 25' BUFFER AND FOLLOW PARALLEL TO 25' BUFFER AS SHOWN. NEW BERM SHALL NOT IMPEDE INSIDE LIMITS OF LANDFILL.



B
C-2 C-6
CONTAINMENT BERM (TYPICAL) TOE OF NEW BERM SHALL BEGIN AT TOP OF BANK OF EXISTING SWALE AND FOLLOW PARALLEL TO EXISTING SWALE AS SHOWN. NEW BERM SHALL NOT IMPEDE INSIDE LIMITS OF LANDFILL.

NOTES:
1. FOR TYPICAL LANDFILL SECTION, SEE C-2 C-6
2. FOR OPERATIONAL PLAN, SEE SHEET C-6.



44 x 50 2200 #

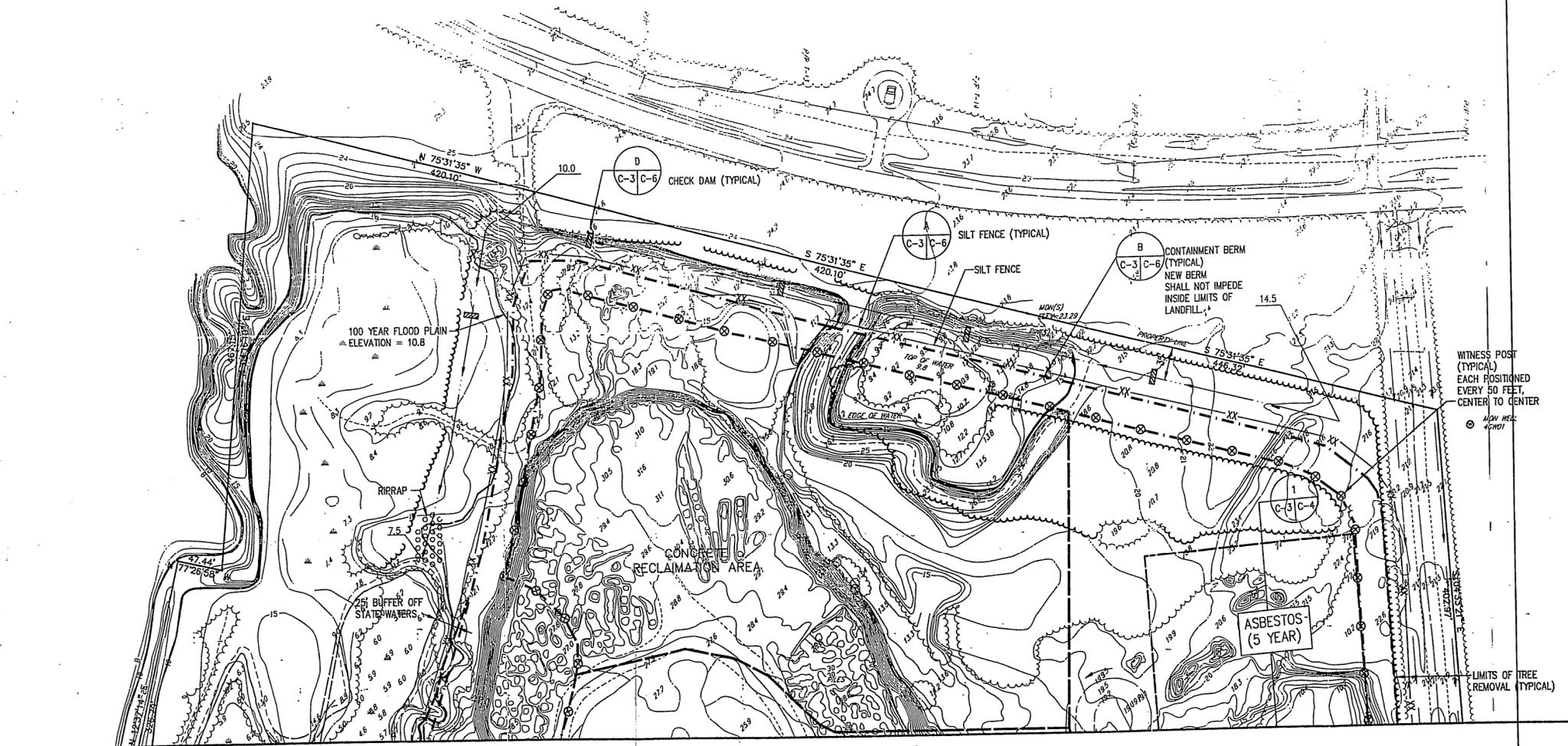
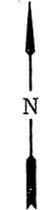
		C-2	
MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9284		NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, CHERRY POINT, N.C.	
FED DRAWING NO.		PROJECT NUMBER:	
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DR	MSA	F 80091	
CHK	BAS	CONSTRUCTION NUMBER:	
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IN CH		SHEET 22 OF 6	
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STANDARD DRAWING
 16. T 1320

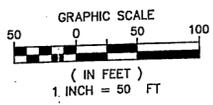
REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED

NOTES:

- FOR TYPICAL LANDFILL SECTION, SEE  C-3 C-6
- FOR OPERATIONAL PLAN, SEE SHEET C-6.



MATCH LINE SEE SHEET C-2



		 MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9264		C-3
		FED DRAWING NO.	SECT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES	CAM	MARINE CORPS AIR STATION, CHERRY POINT, N.C.		
DR	MSA	CONSTRUCTION DEBRIS LANDFILL EXPANSION & IMPROVEMENT SITE PLAN		
CHK	BAS			
SUPV	RSM, III	PROJECT NUMBER:		
IN CH		SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
APPROVED FOR OR OICC	Date	F	80091	
SATISFACTORY TO	Date	SCALE	CONSTR-CONTR NO.	SHEET 3 OF 6
		GRAPHIC		

OPERATIONAL PLAN:

THE LAND CLEARING AND INERT DEBRIS LANDFILL (LCD) WILL BE OPEN MONDAY THROUGH FRIDAY 0800-1130 HOURS AND 1215-1530 HOURS. AN OPERATOR WILL BE PHYSICALLY LOCATED AT THE SITE DURING THESE TIMES. THE ACCESS GATE WILL BE SECURED DURING THE ABSENCE OF THE OPERATOR. THE OPERATOR'S DUTIES WILL INCLUDE THE VISUAL INSPECTION OF ALL WASTE ENTERING THE LANDFILL, LOGGING GENERATOR AND DESCRIPTION OF WASTE DATA, ENSURING WASTES ARE DEPOSITED IN THE DESIGNATED AREAS, AND WASTE COMPACTION.

LAND CLEARING WASTE, UNTREATED WOOD, & YARD WASTE

USED WOOD PALLETS WILL COMPRISE THE MAJORITY OF WOOD COLLECTED. WOOD WILL BE DEPOSITED IN DUMPSTERS LOCATED THROUGHOUT THE BASE AND BROUGHT TO THE LCD VIA FACILITIES MAINTENANCE VEHICLES. THE OPERATOR WILL ENSURE THE WOOD IS FREE OF ANY METAL. THE OPERATOR WILL THEN UTILIZE A BULL DOZER TO COMPACT THE WOOD. A WOOD CHIPPER WILL BE LEASED BY THE MARINE CORPS (APPROXIMATELY EVERY 6-12 MONTHS). THE WOOD CHIPPER WILL PRODUCE CHIPPED WOOD SUITABLE FOR MULCHING. THE MULCH WILL BE USED THROUGHOUT THE BASE AND SOLD TO INDIVIDUALS.

ASBESTOS:

SMALL QUANTITIES OF ASBESTOS WILL BE ACCEPTED. ALL ASBESTOS WILL BE DEPOSITED IN THE DUMPSTERS LOCATED AT THE LCD LANDFILL. PERIODICALLY, THE ASBESTOS WILL BE REMOVED FROM THE DUMPSTERS AND BURIED IN THE ASBESTOS AREA. STAKES WILL MARK THE SPOT OF BURIED ASBESTOS. SIGNS WILL BE POSTED DESIGNATING THE ASBESTOS HAZARD.

FLY ASH & WATER TREATMENT SAND MEDIA RECLAMATION:

CHERRY POINT GENERATES APPROXIMATELY 3,730 TONS OF FLY ASH A YEAR AND 300 TONS OF SAND MEDIA. THE AREA DESIGNATED WILL BE USED TO STOCKPILE THE MATERIAL FOR LATER REUSE AROUND THE AIR STATION.

CONCRETE AND ASPHALT:

CHERRY POINT GENERATES APPROXIMATELY 630.5 CUBIC YARDS PER YEAR. CONCRETE WILL BE BROUGHT TO THE LANDFILL FREE OF METAL. CONCRETE, ASPHALT AND BRICK WILL BE DEPOSITED IN SEPARATE AREAS. RECYCLING INITIATIVES WILL DEVELOP WAYS TO REUTILIZE THESE MATERIALS.

EARTH EXCAVATION:

SOIL SUITABLE FOR STRUCTURAL FILL WILL BE SET ASIDE IN DESIGNATED AREAS FOR LATER REUSE. SURPLUS FILL WILL BE DEPOSITED IN THE AREA DESIGNATED AND UTILIZED AS COVER MATERIAL.

EXCAVATION, GRADING, AND FILL MATERIAL:

ALL SIDE SLOPES SHALL NOT EXCEED THREE TO ONE (3:1)

SEEDING SCHEDULE:

SPRING COMMON BERMUDA (HULLED) 100% BY WEIGHT
 FALL COMMON BERMUDA (UNHULLED) 50% BY WEIGHT

PROJECTED USE OF LAND AFTER COMPLETION:

THE LAND WILL REMAIN INACTIVE AFTER COMPLETION

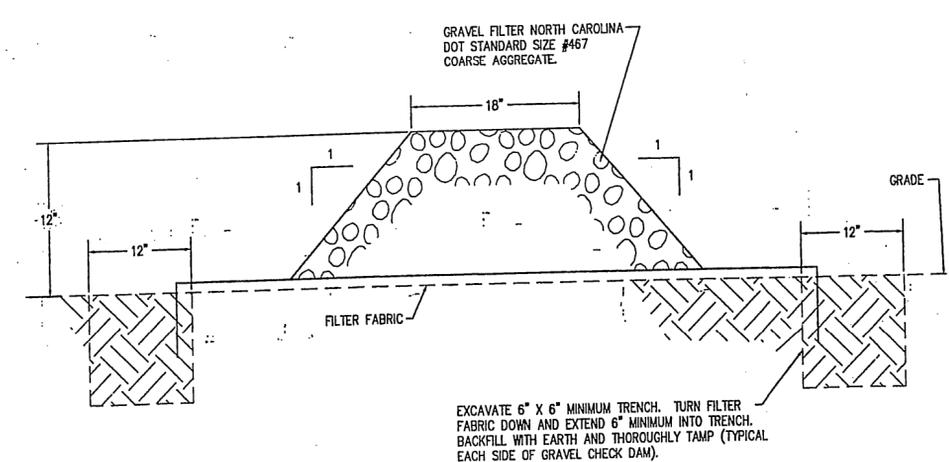
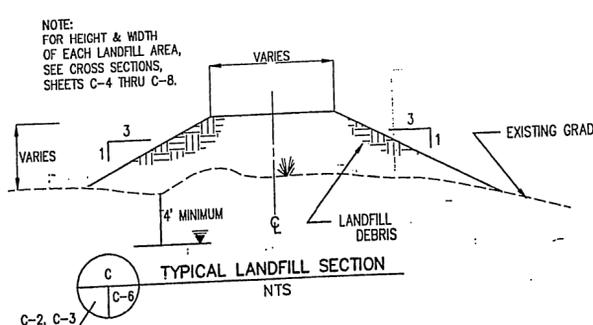
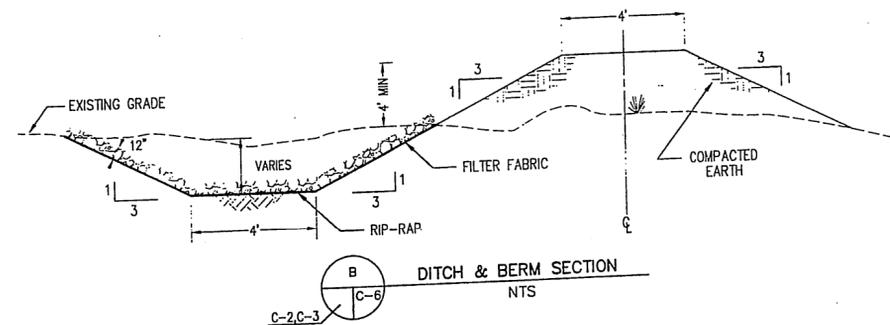
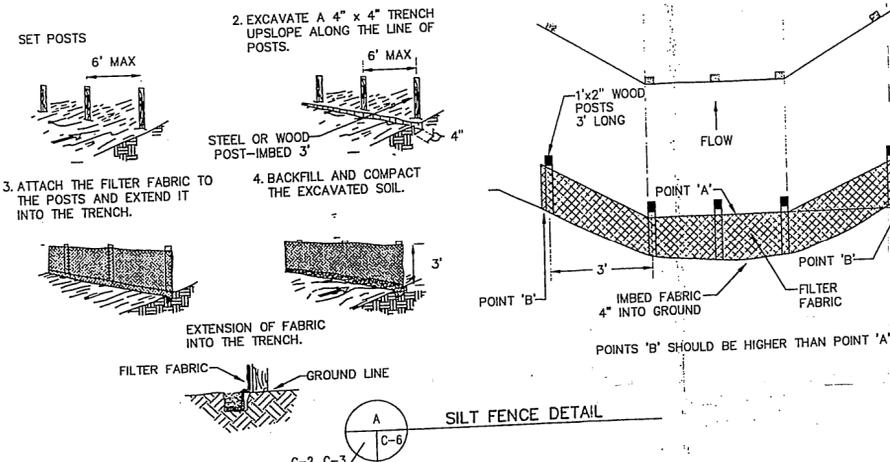
EMERGENCY CONTINGENCY:

CHERRY POINT IS EQUIPPED WITH ITS OWN FIREFIGHTING CAPABILITY LOCATED ABOARD BASE.

OPERATIONAL RESPONSIBILITY:

THE FOLLOWING INDIVIDUAL CAN BE CONTACTED FOR OPERATIONAL AND MAINTENANCE QUESTIONS CONCERNING THE LCD LANDFILL:

BORDEN M. JOHNSON
 EA DEPARTMENT (LN)
 MARINE CORPS AIR STATION
 PSC BOX 8006
 CHERRY POINT, NC 28533-0006
 919-466-5297



D GRAVEL CHECK DAM NTS

EXCAVATE 6" X 6" MINIMUM TRENCH. TURN FILTER FABRIC DOWN AND EXTEND 6" MINIMUM INTO TRENCH. BACKFILL WITH EARTH AND THOROUGHLY TAMP (TYPICAL EACH SIDE OF GRAVEL CHECK DAM).

REVISIONS			
SYH	DESCRIPTION	DATE	APPROVED

TOP OF FABRIC IN LOW AREA (POINT 'A') TO BE BELOW BOTTOM OF FABRIC AT UPSLOPE TERMINUS (POINT 'B')

NOTE: FOR HEIGHT & WIDTH OF EACH LANDFILL AREA, SEE CROSS SECTIONS, SHEETS C-4 THRU C-8.

M S MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9264		C-6	
FED DRAWING NO.		DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
MARINE CORPS AIR STATION, CHERRY POINT, N.C.		PROJECT NUMBER:	
CONSTRUCTION DEBRIS LANDFILL EXPANSION & IMPROVEMENT DETAILS		NAVFAC DRAWING NO.	
DES CAM DR MSA CHK BAS SUPV RSM, III IN CH	APPROVED/FED OR DICC	DATE	SIZE CODE EIGHT NO.
SATISFACTORY TO		DATE	SCALE NTS
CONSTRUCTION NO.		SHEET 11 OF 16	SHEET 11 OF 16

DEC 11 '97
 USE GRAPHIC SCALE

Appendix C

Salvage of Inert Debris- AirStaO 5090.12



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
PSC BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 5090.12

LN

30 NOV 2005

Air Station Order 5090.12

From: Commanding General, Marine Corps Air Station, Cherry Point
To: Distribution List

Subj: SALVAGE OF INERT DEBRIS

Encl: (1) Inert Debris Salvage and Removal Form

1. Situation. This order establishes procedures for the reuse of salvageable material disposed of at the Land Clearing and Inert Debris (LCID) Landfill.

2. Cancellation. AirStaO 4570.3A.

3. Mission. To establish local policy and procedures for the reuse, recycling and reduction of wood, land clearing waste, and inert debris in accordance with applicable state and federal solid waste regulations.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To properly manage the collection, segregation and disposal of wood, land clearing and inert debris and to allow the recycling and reuse by military and civilian personnel in accordance with applicable state and federal solid waste regulations.

(2) Concept of Operations

(a) The Land Clearing and Inert Debris Landfill, located adjacent to Runway 14L off of Access Road, is a facility permitted by the North Carolina State Department of Environment and Natural Resources (permit #25-B) to accept inert/non-reactive material. The LCID landfill is open Monday through Friday (0715 - 1100 and 1245 - 1530) except holidays. Exception: When Combat Aircraft Loading Area (CALA) is being utilized for ordnance handling involving Hazard Class Division (H/C/D) 1.1 & 1.2 explosives, an Explosive Quantity Distance (ESQD) Arc of 1250 feet must be established. No operations or personnel will be allowed within the arc during HC/D 1.1 or 1.2 explosives evolutions. Air Operations/Safety will notify the landfill to shut down until ordnance-handling evolutions are terminated, at which time the landfill will reopen.

30 NOV 2005

(b) Materials that can be reused or recycled at the LCID landfill are as follows:

1 Land clearing mulch from stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.

2 Inert debris (concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood, and yard debris).

(c) The Facilities Maintenance Department is responsible for daily operations of the landfill and maintenance, repair, and upkeep of the scales. The landfill operator can be contacted at 466-6785. A maintenance operator is present at the landfill's weight scales during hours of operation. During non-operational hours the access gate will be secured to prevent entrance into the LCID Landfill. The operator's duties include:

1 Inspecting waste to ensure that the inert debris is acceptable for disposal at the LCID Landfill.

2 Weighing and recording descriptions of all inert debris deposited in and removed from the landfill.

3 Ensuring that inert debris is placed in designated areas.

4 Ensuring that personnel are authorized to remove inert debris from the landfill for reuse.

(d) The Environmental Affairs Department is responsible for permitting, reporting and compliance oversight of the LCID operations.

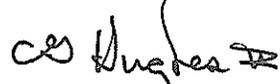
(e) Personnel wanting to remove inert debris from the LCID Landfill must complete the Inert Debris Salvage and Removal Form (enclosure 1). Forms are available at the Environmental Affairs Department, Bldg 4223, and must be renewed annually.

5. Administration and Logistics The CG 2d MAW; CO's, NAVAIRDEPOT, NAVHOSP, CSSD-21, 12th Dental and DRMO concur with the contents of this Order insofar as it pertains to members of their command.

6. Command and Signal

20 NOV 2005

- a. Signal. This order is effective the date signed.
- b. Command. This order is applicable to the Marine Corps Reserve.



C. G. HUGHES II
Chief of Staff

DISTRIBUTION: A

30 NOV 2005

INERT DEBRIS SALVAGE AND REMOVAL (5090)
MCAS CHPT 0100 (REV 11-05) (EF)

THIS FORM WILL BE TURNED OVER TO THE LANDFILL
OPERATOR BEFORE ENTERING THE LANDFILL.

INERT DEBRIS SALVAGE AND REMOVAL FORM
Marine Corps Air Station Cherry Point, North Carolina

1. You are hereby authorized to collect inert debris (wood, mulch, concrete, and bricks) from the Air Station Land Clearing and Inert Debris (LCID) Landfill. This authorization is being granted gratuitously by the U.S. Government and can be revoked at any time. By your signature below you acknowledge and agree to the terms of this authorization.
2. The landfill is fully operational and inherently dangerous to those who enter the premises. Anyone entering the premises assumes all risk of personal injury and property damage, including, but not limited to, severe injury or death resulting from or during collection of materials from the landfill.
3. You agree to release and hold harmless the United States Government, including the United States Marine Corps and its officers, employees, agents, personnel, successors and assigns, from any and all claims, damages, liabilities, losses, injuries, deaths, and costs and expenses including attorney's fees, and costs of suits arising out of or claimed on account of the granting of access to the MCAS Cherry Point landfill and the materials thereby provided by the United States Government. You agree that this release also binds your family, heirs, assigns, administrator, and executor.
4. All persons must provide full legal name and signature. Children under 18 years of age are not authorized to enter the landfill.
5. To facilitate future scrap wood collection and removal efforts, you have the option to be added to an Authorized User List (AUL). Inclusion on the AUL will eliminate the need for a Scrap Wood Collection and Removal Form each time you enter the landfill for scrap wood collection and removal. The AUL will be valid for one calendar year at which time a new Inert Debris Salvage and Removal Form will need to be completed and signed. The government reserves the right to remove a name from the AUL or discontinue the AUL at any time. Inclusion is entirely voluntary.

Initial here if you wish to be added to the Authorized User List. By initialing you acknowledge that the waivers set forth in this document will remain in effect for any and all visits made to the Air Station Land Clearing and Inert Debris (LCID) Landfill. Please note that there will be a time lag between submittal of this form and addition to the AUL.
6. By your signature below, you agree to the terms of the Inert Debris Salvage and Removal Form.

PRINT NAME:

LEGAL SIGNATURE:

DATE:

Hours of Operation are subject to change without notice as personnel availability and mission requirements dictate. Personnel will depart when instructed to do so by the landfill operator and will not remain on the premises while the landfill operator is not on site. Personnel will be prepared to depart at least 15 minutes prior to closing time. Personnel will NOT be allowed entry into the landfill after Salvaging Hours (listed below). Landfill phone number is (252) 466-6785.

Salvaging Hours: Monday through Friday: 0715 to 1100 and 1245 to 1530
Saturday, Sunday & Holidays: Closed

Designed Using MSWord MCAS CHPT7ADI, Nov 05

ENCLOSURE (1)

Appendix D

Solid Waste Disposal- AirStaO 5090.13



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 5090.13
LN
6 Oct 04

AIR STATION ORDER 5090.13

From: Commanding General, Marine Corps Air Station, Cherry Point
To: Distribution List

Subj: SOLID WASTE DISPOSAL

Ref: (a) ABO 4570.2E
(b) AirStaO P11101.18B
(c) AirStaO P5100.8A
(d) AirStaO 5090.5A
(e) MCO P5090.2A
(f) AirStaO 5090.2
(g) Executive Order 13101
(h) NAVMED P-5010-CH8 (NOTAL)
(i) BUMEDINST 6280.1A
(j) AirStaO 4100.1F
(k) AirStaO 4570.3A

1. Situation. To publish instructions pertaining to the proper disposal of municipal solid waste (MSW), painted/treated wood, land clearing waste, and inert debris.

2. Cancellation. AirStaO 11350.1B.

3. Mission. This Order establishes procedures and implements regulatory requirements for the separation, collection and proper disposal of solid waste at the Transfer Station and the Land Clearing and Inert Debris (LCID) landfill.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. To properly manage the collection, transfer, and disposal of municipal solid waste, painted/treated wood, land clearing waste, and inert debris in accordance with applicable state and federal solid waste regulations.

(a) The Transfer Station is located at the base of Mockingbird Hill.

(b) The LCID landfill is located adjacent to Runway 14 off of Access Road.

6 Oct 04

(c) MSW pick-up and disposal at Marine Corps Outlying Landing Field (MCOLEF), Atlantic and disposal of MSW at Marine Corps Auxiliary Landing Field (MCALEF), Bogue is accomplished by Station personnel. Pick-up and disposal of painted/treated wood at Bogue Field is currently handled by contract.

(d) Materials Recovery Facility (MRF) is located off of Access Road.

(2) Concept of Operations

(a) Transfer Station

1 On-Station family housing MSW is emptied by Facilities Maintenance Department (FMD) and hauled to the Transfer Station, which is open Monday through Friday (0730 - 1615) except holidays. The MSW is then transferred to a contractor-operated system for subsequent disposal at an approved off-Station site.

2 Materials that can be deposited at the Transfer Station are:

a MSW, which includes, but is not limited to, garbage and other common waste items such as kitchen garbage, paper products, food containers, old clothing, etc.

b Painted/treated wood (to be deposited in the separate painted/treated wood roll-off).

3 The Transfer Station operator has the authority and responsibility to refuse to accept any material that either poses a safety hazard to contractor personnel or violates state landfill regulations. Examples of unacceptable materials are:

a White goods (refrigerators, AC units, stoves, etc.)

b Used oil

c Lead-acid batteries

d Tires

etc.) e Scrap metal (metal drums, vehicle components,

f Large quantities of yard waste

g Asbestos

h Sludges

i Hazardous waste as defined by the Environmental Protection Agency (EPA) and the State of North Carolina

j Liquids

k Medical waste

l Demolition waste

m Pallets, untreated/unpainted wood

(b) LCID Landfill. This is a State regulated LCID landfill operated by FMD.

1 Family housing occupants, Station activities, and military units can deliver land clearing and inert debris to the LCID landfill for disposal.

2 The LCID landfill is open Monday through Friday (0715 - 1100 and 1245 - 1530) except holidays. Exception: When Combat Aircraft Loading Area (CALA) is being utilized for ordnance handling involving Hazard Class Division (H/C/D) 1.1 & 1.2 explosives, an Explosive Quantity Distance (ESQD) Arc of 1250 feet must be established to ensure that personnel safely transit the landfill. No operations or personnel will be allowed within the arc during HC/D 1.1 or 1.2 explosives evolutions. Air Operation/Safety will notify the landfill to shut down within the ESQD until ordnance-handling evolutions are terminated, at which time the overall landfill will reopen.

3 Materials that can be disposed at the LCID landfill are as follows:

6 Oct 04

a Land clearing waste (stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material).

b Inert debris (concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood, and yard debris).

c Used asphalt (used asphalt or used asphalt mixed with dirt, sand, gravel, rock, and concrete).

4 Materials that are not disposed of at the LCID landfill but are accepted/managed at the landfill are as follows:

a Coal ash. Coal ash is staged at the landfill for future use.

b Asbestos. An asbestos roll-off is staged at the landfill for use by trained station and contractor personnel in accordance with current federal and state regulations. Environmental Affairs Department (EAD) shall approve asbestos disposal, with completed paperwork. The asbestos materials will be bagged and deposited in the roll-off for disposal at an appropriate off-station disposal facility.

5 The LCID landfill operator has the authority and responsibility to refuse acceptance of any material that violates state LCID landfill regulations. Examples of unacceptable materials are:

a Painted/treated wood

b Packing materials (foam, bubble wrap, paper, plastic peanuts, etc.)

c Flammable materials

d Scrap metal, appliances, vehicles components, aircraft components, metal products, etc.

e Toxic substances

f Liquids and sludges

g Hazardous waste

6 Oct 04

(c) Taskings

1 Station activities and military units with nearby dumpsters shall only deposit materials acceptable at the Transfer Station. Further, Station activities and military units will ensure that housekeeping around their nearby dumpsters is performed frequently enough to maintain these areas clean of solid waste. If a dumpster is full and needs to be emptied, call the FMD Work Service Desk at 466-4364.

2 Station activities and military units will deliver their own appliances, vehicles, furniture, and large components for disposal directly to the Defense Reutilization and Marketing Office (DRMO) as per reference (a). Family housing occupants, having such items for disposal, will follow the guidance for special trash pickup contained in reference (b).

3 All personnel working or living on the Air Station will dispose of flammables, toxic substances, liquids, sludges, asbestos, and hazardous wastes in accordance with references (c), (d) and (e).

4 Station activities and military units will ensure proper segregation and conservation of recyclable materials, which are readily identifiable. Questions concerning the proper disposition of such material should be directed to the Environmental Affairs Department's Qualified Recycling Program (QRP) manager. Special containers have been located in designated locations throughout the Station by the QRP program and specific guidance regarding the collection and disposition of recyclable material is contained in references (e), (f), and (g).

5 The Naval Hospital Preventive Medicine Department will inspect the Transfer Station for sanitation and vector control as required in reference (h).

6 The Naval Hospital Infectious Waste Department will ensure compliance with state and federal regulations in the packaging, labeling, storage and disposal of medical waste in accordance with reference (i).

7 All personnel working on the Air Station will conserve, use, and control wooden pallets in accordance with references (j) and (k).

AirStaO 5090.13

6 Oct 04

8 The Resident Officer in Charge of Construction (ROICC) will inspect and ensure that contractors on the Air Station comply with all state and federal solid waste regulations in accordance with references (a), (d), (e), and (f).

9 Commanding Officers, department/section heads, and officers in charge will ensure strict compliance with the contents of this Order.

5. Administration and Logistics. The CG, 2d MAW, CO'S, NADEP, NAVHOSP, CSSD-21, 12th Dental and DRMO concur with the contents of this Order insofar as it pertains to members of their command.

6. Command and Signal

a. Signal. This Order is effective the date signed.

b. Command. This Order applies to personnel working or living in areas where dumpsters are utilized for disposal of MSW with guidelines for personnel living in family housing areas covered in reference (b).



PAUL J. PISANO
Chief of Staff

DISTRIBUTION: A

Appendix E

Oils and Hazardous Substances Spill Prevention and Contingency Plan - AirStaO 5090.7



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
POSTAL SERVICE CENTER BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirStaO 5090.7
LN
21 Feb 2006

AIR STATION ORDER 5090.7

From: Commanding General
To: Distribution List

Subj: OILS AND HAZARDOUS SUBSTANCES (OHS) SPILL PREVENTION AND
CONTINGENCY

Ref: (a) MCAS Cherry Point Integrated Contingency Plan, June 2003
(b) AirStaO P5100.8A
(c) AirStaO 5090.5A

Encl: (1) Secondary Containment Standard Operating Procedures
and Inspection Requirements
(2) Emergency Notification and Response Procedures
(3) Primary OHS Spill Responders - OHS Spill Prevention and
Contingency Roles and Responsibilities
(4) Secondary OHS Spill Responders - OHS Spill Prevention
and Contingency Roles and Responsibilities

Reports required: See enclosures (1) and (2).

1. Situation. This order establishes spill prevention, control and response procedures for oils and hazardous substances aboard MCAS Cherry Point and outlying fields.

2. Cancellation. AirStaO 11010.1E.

3. Mission. To establish local policy and procedures for the management of OHS spill prevention and response.

4. Execution.

a. Commander's Intent and Concept of Operations

(1) Commander's Intent

(a) Follow the intent of the spill prevention and spill response information contained within the MCAS Cherry Point Integrated Contingency Plan (ICP) (reference a) and this order.

21 Feb 2006

(b) Be conscious of the potential for spills and take precautionary measures during the handling, transfer, or storage of OHS to reduce the threat of a spill of OHS into the environment.

(c) Should a spill occur, take the appropriate actions for notification, response, and cleanup to protect MCAS Cherry Point's assets and the environment.

(d) Properly maintain and operate equipment that uses or contains OHS to prevent spills.

(2) Concept of Operations

(a) The Environmental Affairs Department (EAD) will maintain and keep current the ICP for spill prevention and spill response planning and action. The EAD will provide consultation and support for OHS spill prevention and contingency consistent with the ICP.

(b) Secondary containment (portable or permanent berms, dikes, drip pans, etc.) shall be used during all OHS transfers and where OHS are stored. Operators of secondary containment devices shall follow the standard operational procedure and inspection requirements for secondary containments provided in enclosure (1).

(c) Should a spill occur or be identified, follow the emergency notification and response procedures detailed in enclosure (2). ALL OHS SPILLS, REGARDLESS OF QUANTITY OR LOCATION, REQUIRE NOTIFICATION. OHS spills identified aboard the Air Station or outlying fields (excluding petroleum spills on the MCAS flightline and at MCALF Bogue) shall be immediately reported to the MCAS Cherry Point Fire Department by calling 911 from any Air Station telephone or by calling (252) 466-3333. Petroleum spills occurring on the Air Station's flightline and aircraft operating areas shall be immediately reported to MCAS Cherry Point Crash Fire Rescue (CFR) at 466-2420. Petroleum spills at MCALF Bogue shall be immediately reported to the MCALF Bogue CFR at (252) 466-0662.

(d) Written spill reports shall be prepared for spills as described in enclosure (2). Completion of a written spill report is required for all hazardous substance spills, regardless of quantity or location, and all petroleum spills into the environment. A written report is not required for petroleum spills less than 1 gallon on concrete.

(e) ALL OHS SPILLS REQUIRE CLEANUP. The primary OHS spill responders will address all OHS spills.

21 Feb 2006

Secondary OHS spill responders will assist in spill response and cleanup. Personal safety is top priority during spill response and cleanup for all responders.

1 Primary OHS spill responders include the MCAS Cherry Point Fire Department, the MCAS Cherry Point CFR, and the MCALF Bogue CFR. These organizations have been designated the On-Scene Commander by the Installation Commander and will serve as primary OHS spill responders. Primary OHS spill responder roles and responsibilities are detailed in enclosure (3). A primary OHS spill responder will address all OHS spills aboard MCAS Cherry Point and outlying fields. Primary OHS spill responders will utilize secondary OHS spill responders to accomplish spill response and cleanup. The primary responder will maintain control and direction of all spill response and cleanup activities until their decision that the immediate threat to human life and the emergency condition are abated. Control can then be transferred to the appropriate secondary OHS spill responder for subsequent action.

2 Secondary OHS spill responders include shop/unit personnel trained to handle OHS and OHS spill cleanup, the Facilities Maintenance Department (FMD) Spill Response Team, the Naval Air Depot (NAVAIRDEPOT) Spill Response Team, and the Open-Water Spill Response Team. Secondary responders will be utilized for the appropriate, spill specific, situation by the primary OHS spill responder based on the secondary responder's capabilities and responsibilities detailed in enclosure (4).

(f) All equipment that uses or contains OHS shall be properly maintained and operated following the manufacturer's recommendations and procedures in order to prevent spills.

b. Subordinate Element Missions

(1) Comply with the intent of the enclosures, references, and content of this Order.

(2) Hazardous material, hazardous substances, and hazardous wastes shall be stored, handled, and disposed of following the procedures outlined in references (b) and (c) in effort to reduce the likelihood of a spill.

(3) The Naval Air Depot shall comply with the intent of this order but is exempt from the record management and form use requirements as long as they remain ISO 14001 certified and ensure their internal record management requirements and forms, at a minimum, document the same information required by this order.

AirStaO 5090.7

21 Feb 2006

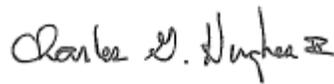
5. Records Disposition Instruction. Units shall maintain copies of their secondary containment inspection records and spill reports within their Environmental Management Operating File. These records should be kept for 5 years, after which they may be destroyed.

6. Violations. The intentional discharge or negligent release of any OHS into the environment is a violation of this Order and Federal and State (NC) laws. The Installation Commander, as well as individuals, may be held personally liable for such violations. Individuals responsible for violations may be subject to civil and/or criminal penalties including fines and/or jail sentences.

8. Command and Signal.

a. Signal. This order is effective the date signed.

b. Command. This order is applicable to all organizations and tenant commands aboard Marine Corps Air Station Cherry Point and the Outlying Fields.



C. G. HUGHES II
Chief of Staff

DISTRIBUTION: A

**Secondary Containment
Standard Operating Procedure
and Inspection Requirements**

Secondary containment devices are used to prevent the spread or release of oils and hazardous substances (OHS) to the environment. Secondary containment devices may be drip pans, over-pack drums, portable berms, dikes, concrete pads and berms, or any other device set in place for potential spill containment. Secondary containment devices shall be used wherever OHS are transferred or stored.

EQUIPMENT IN CONTAINMENT

Secondary containment devices shall be used for mobile equipment like generators, mobile lighting units, portable pumps, etc. (excluding vehicles) containing OHS to protect areas where they are operated or stored when it is practical to do so. Same equipment located near surface waters or drainage pathways leading to surface waters are required to be placed within permanent secondary containment devices or, if practical, relocated away from pathways leading to surface waters.

Secondary containment is required for all OHS storage containers (tanks, drums, tank trucks). Temporary OHS storage containers may use temporary secondary containment devices like over-pack drums or portable berms. All other OHS storage containers must use permanent secondary containment devices.

CONTAINMENT INSPECTIONS

Operating Units shall systematically inspect all secondary containment devices. Inspection includes a visual observation of the containment device for integrity and content and observation of the equipment or storage container condition within the containment for leaks. Secondary containment device drainage valves shall be inspected to ensure they are closed. Drain valves shall remain closed except when draining rainwater from the containment. Rainwater drainage is discussed below.

Permanent secondary containment structures, like concrete pads or berms, require monthly documented inspection using the attached inspection form. Notable inspection features are the drain valve condition and orientation, cracks in the containment, and evidence of spills. Drain valves should be in good working condition, orientated in the closed position, and locked. Cracks in the containment should be noted during inspection since the integrity of the containment may be compromised.

ENCLOSURE (1)

AirStaO 5090.7

21 Feb 2006

All repairs, to either the containment berm or the drain valve, should be routed through the Facilities Maintenance Department (FMD) via a work order. Work orders should be submitted to the work order desk at 466-4364. A work order number and submittal date should be included on the inspection form identifying the need for repair.

Evidence of spills within secondary containment should be cleaned up as soon as possible to limit possible exposure and to prevent contamination of future rainwater that may accumulate within the containment (requiring special drainage/disposal). After spill cleanup, corrective action should be taken to prevent future spillage from the equipment or storage container.

RAINWATER DRAINAGE

Before a portable or permanent secondary containment device can be drained of rainwater, a visual observation for the presence of OHS is required. When inspecting for petroleum products, a sheen (rainbow colors on the water surface) is a good indication of a spill. Hazardous substances (HS) may mix with rainwater and can be harder to detect. Noticeable drips and leaks or discoloration of the rainwater similar to the HS are good indications of a HS spill within the containment.

Rainwater cannot be drained into the environment from secondary containment devices if an OHS spill has occurred within the containment. OHS and contaminated rainwater within these secondary containments require proper disposal.

If you suspect that an OHS spill has occurred within your secondary containment and has contaminated rainwater, you must submit a work order to the FMD requesting disposal. FMD will pump the containment free of any residual or spilled OHS and the contaminated rainwater. Rainwater that has not been contaminated by OHS can be drained from secondary containments using a drain valve, pump, etc. Completion of the attached secondary containment inspection form is required when draining permanent secondary containment devices (dike, concrete berm or pad, etc.). If FMD pumps the secondary containment, note on the inspection form the FMD work order number and the date that the containment was pumped.

RECORD KEEPING

Units who use material and/or operate equipment within a secondary containment device should maintain, within their Environmental Management Operating File, copies of their secondary containment inspection forms. Copies of the secondary containment records should be forwarded to the EAD monthly.

ENCLOSURE (1)

Secondary Containment Inspection Form
(submit copy to EAD by the 5th of each month)

Inspection Month: _____

Unit/Responsible Activity: _____ Phone: _____

Building/Structure Number: _____

DRAINAGE INSPECTION (required per event)

...this form can accommodate 5 drainage events. Use additional forms as needed.

Date:	___/___/___	___/___/___	___/___/___	___/___/___	___/___/___
Time:	_____	_____	_____	_____	_____
Evidence of a spill:	<u>Y</u> <u>N</u>				
Rainwater Drained:	<u>Y</u> <u>N</u>				
Drainage Secure:	<u>Y</u> <u>N</u>				
Inspector's Initials:	_____	_____	_____	_____	_____

Comments:

FMD (466-4364) Work Order#: _____

CONTAINMENT INSPECTION (required monthly)

	SAT	UNSAT
Containment Device: (dike, concrete berm or pad, etc.)		
Compromised Structure (cracks through containment):	<input type="checkbox"/> no	<input type="checkbox"/> yes
Evidence of spills (surface sheens, odors, stains):	<input type="checkbox"/> no	<input type="checkbox"/> yes
Unnecessary debris within the containment:	<input type="checkbox"/> no	<input type="checkbox"/> yes
Drainage: (valves, pumps, etc.)		
Good Working Order (mechanical operation):	<input type="checkbox"/> yes	<input type="checkbox"/> no
Oriented in the closed position:	<input type="checkbox"/> yes	<input type="checkbox"/> no
Locked (secured with a lock or locked enclosure):	<input type="checkbox"/> yes	<input type="checkbox"/> no

If "UNSAT" for any, explain: (include maintenance request)

FMD (466-4364) Work Order#: _____

AirStaO 5090.7

21 Feb 2006

EMERGENCY NOTIFICATION AND RESPONSE PROCEDURES

Any individual causing or discovering an oil or hazardous substance (OHS) spill, or a situation that may lead to a spill of OHS, will immediately take the actions outlined below.

*If you are **certain** that it is **safe** to do so, take steps to control (stop the source, shut off valves, upright the spilling container, etc.) and/or contain (apply sorbent materials, block drains, etc.) the spill.

The sequence of the following actions will depend on the site and situation specific conditions.

EVACUATE area to a safe distance upwind and up grade from the spill.

PASS THE WORD to people in adjacent spaces.

INFORM your supervisor or the supervisor of the nearest facility.

REPORT spill immediately to:

MCAS Cherry Point Fire Dept, **DIAL 911 or (252) 466-3333**

(excluding petroleum spills on flightline or at MCALF Bogue)

MCAS Cherry Point CFR, **DIAL 466-2420**

(for flightline petroleum spills)

MCALF Bogue CFR, **DIAL (252) 466-0662**

(for petroleum spills at MCALF Bogue)

WHENEVER POSSIBLE give the following information or that which can reasonably be determined. **DO NOT** wait until **ALL** information on the spill is available to report.

- Your name and telephone number
- Location of the spill (Building Number or Shop Code)
- Number and type of injuries
- Identify the type and estimate amount of the spilled material
- Source of spill (e.g., container, equipment, vehicle, etc.)
- Behavior of spilled material (e.g., reactions, leak, spill, or fire observed)
- Anticipated movement of spill
- What has the spill contaminated (soil, concrete, water, etc.)
- Actions being taken to control or contain spill
- Estimated time when spill occurred

DO NOT allow unauthorized persons to enter the spill area.

ENCLOSURE (2)

21 Feb 2006

RESTRICT all sources of ignition: smoking, internal combustion engines, or open flames.

WAIT for the response team to arrive and direct them to the spill.

PROVIDE information and assistance as instructed.

WRITTEN SPILL REPORT form should be completed following cleanup of a spill and submitted through your chain of command to the EAD within 5 working days of the spill. A spill reporting form is required for all hazardous substance spills, regardless of location, and all petroleum spills into the environment. A written report is not required for petroleum spills less than 1 gallon on concrete.

SPILL REPORTING FORM (front)			
Unit responsible for spill:		Responder: (circle)	
Name:		Fire Department / CFR	
Phone No.:		Responder's POC:	
Spill location: (pit #, bldg #, etc.)		Reporting Individual signature:	
Date/Time of Spill:		Estimated amount:	
TYPE OF SPILL Check appropriate box			
JP5	<input type="checkbox"/>	Hazardous Material	<input type="checkbox"/>
Used oil	<input type="checkbox"/>	Hazardous Waste	<input type="checkbox"/>
Antifreeze	<input type="checkbox"/>	Diesel fuel	<input type="checkbox"/>
Other		<input type="checkbox"/>	
Did Spill Enter a Drainage System: No <input type="checkbox"/> Yes <input type="checkbox"/> Amt: _____			
PROCEDURE TO ELIMINATE SPILL Check appropriate box			
Shutoff pumps		Over pack container	
Close valves		Upright container	
Date/time started:		Nothing available	
Date/time ended:		Other	
CLEAN UP			
TYPE OF SURFACE SPILL WAS ON Check appropriate box			
Water	<input type="checkbox"/>	Asphalt	<input type="checkbox"/>
Grass	<input type="checkbox"/>	Gravel	<input type="checkbox"/>
Soil	<input type="checkbox"/>	Concrete	<input type="checkbox"/>
Other		<input type="checkbox"/>	
SPILL CAUSED BY: Check appropriate box			
Equipment failure		<input type="checkbox"/>	
Human error		<input type="checkbox"/>	
Other		<input type="checkbox"/>	
Is this a recurring problem: Yes <input type="checkbox"/> No <input type="checkbox"/>			
NOTIFICATION			
Required:		Optional:	
Fire Dept. (911/6-3333) ...or...		EAD (6-4591)	Safety (6-2730)
Crash Crew (6-2420)		FMD (6-4363)	
Additional comments from the reporting activity:			
EAD Representative:			

NOTIFICATION EAD USE ONLY (back)		
Date:	TIME:	EAD Representative:
AGENCY	PHONE #	PERSON CONTACTED
National Response Center (NRC)	1-800-424-8802	
State Emergency Response Center (SERC)	1-800-858-0368	
Local Emergency Planning Commission (LEPC)	252-636-6608	
STATE		
NC Division of Water Quality (Washington) All spills of oil or hazardous substances into or onto any surface waters or wetlands and or the land surface (excluding impervious surfaces) which does not enter surface waters or wetlands and any spills into ground waters	252-946-6481	
NC Division of Water Quality (Wilmington) All spills of oil or hazardous substances into or onto any surface waters or wetlands at MCALF Bogue	910-392-4966	
NC Division of Water Quality (Wilmington) All spills of oil or hazardous substances into the land surface (excluding impervious surfaces) which does not enter surface waters or wetlands and any spills into ground waters at MCALF Bogue	910-350-0800	
EPA		
Other:		
CERCLA HS:	EPCRA Manager:	
EPCRA EHS:		
Additional comments from EAD:		
SPILL RESPONSE DEBRIEF MEETING		
DATE:	TIME:	LOCATION:
ATTENDING MEETING MEMBERS		
DEPARTMENT	NAME	SIGNATURE
Environmental Affairs Dept.		
Fire Division		
Facilities Maintenance Dept.		
Industrial Hygiene		
Joint Safety Office		
NAVAIRDEPOT Representative		
Wing Representative		
Other		
Meeting Recommendations:		

Primary OHS Spill Responders

OHS Spill Prevention and Contingency Roles and Responsibilities

Primary OHS spill responders include the MCAS Cherry Point Fire Department, the MCAS Cherry Point Crash Fire and Rescue (CFR), and the MCALF Bogue CFR. These organizations have been designated the On-Scene Commander by the Installation Commander and will serve as primary OHS spill responders. A primary OHS spill responder will address all OHS spills aboard MCAS Cherry Point and outlying fields. The primary responder will maintain control and direction of all spill response and cleanup activities until their decision that the immediate threat to human life and the emergency condition is abated. Control can then be transferred to the appropriate secondary OHS spill responder for subsequent action. Personal safety is top priority during spill response and cleanup for all responders.

MCAS - Cherry Point Fire Department

- Primary responder for OHS spills at Cherry Point and outlying fields. (excluding petroleum spills on the MCAS flightline and at MCALF Bogue)
- Primary responder for petroleum spills on water requiring the MCAS Cherry Point Open-Water Spill Response Team.
- Activates secondary OHS spill responders as deemed necessary.
- Assists MCAS CFR and MCALF Bogue CFR as needed for spill response on the flightline or at MCALF Bogue.
- Coordinates with the Joint Safety Office, Industrial Hygiene, and the EAD on safety, health, and environmental considerations at all OHS spills.
- Ensures personnel and equipment are thoroughly decontaminated before securing.
- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provides notice to EAD of spills as soon as practical:
Notifies the EAD of all reported spills that occur during weekday office hours (0730-1630) at telephone 466-6716. Spills that occur during the weekend or after weekday office hours should be reported to the on-call EAD personnel as defined by the EAD after-hours recall roster. For weekend and after-hour spills of petroleum products (oil, fuel, hydraulic fluids, etc.) that are less than 5 gallons AND are on concrete where there is NO threat to the environment, notification can be postponed until the following morning between the hours of 0730 and 0900. The EAD after-hours recall roster will be published and distributed by the EAD.

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- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.
- Maintain and store the open-water spill response boats and boat related equipment.
- Maintain rosters on hand of the MCAS - Cherry Point Open-Water Spill Response Team, the FMD Spill Response Team, the NAVAIRDEPOT Spill Response Team, and the EAD after-hours recall roster.
- Seek funding for and maintain spill response supplies suitable for all types of OHS present aboard MCAS Cherry Point and outlying fields for emergency response.

CFR (MCAS Cherry Point and MCALF Bogue)

- Primary spill responder for petroleum spills on the MCAS flightline and at MCALF Bogue.
- Activates secondary spill responders as deemed necessary.
- Assists MCAS Cherry Point Fire Department as needed for petroleum spill response at Cherry Point and outlying fields.
- Coordinates with the Joint Safety Office, Industrial Hygiene, and the EAD on safety, health, and environmental considerations at all petroleum spills.
- Ensures personnel and equipment are thoroughly decontaminated before securing.
- Notify the MCAS - Cherry Point Fire Department of all OHS spills at MCALF Bogue.
- Provides notice to EAD of spills as soon as practical:
Notifies the EAD of all reported spills that occur during weekday office hours (0730-1630) at telephone 466-6716. Spills that occur during the weekend or after weekday office hours should be reported to the on-call EAD personnel as defined by the EAD after-hours recall roster. For weekend and after-hour spills of petroleum products that are less than 5 gallons AND are on concrete where there is NO threat to the environment, notification can be postponed until the following morning between the hours of 0730 and 0900. The EAD after-hours recall roster will be published and distributed by the EAD.
- Provide notice to EAD of aircraft mishaps as soon as practical.
- Maintain rosters on hand of the FMD Spill Response Team, the NAVAIRDEPOT Spill Response Team, and the EAD after-hours recall roster.
- Budget for and maintain spill response supplies suitable for petroleum products aboard the MCAS flightline and/or MCALF Bogue for emergency response.

ENCLOSURE (3)

Secondary OHS Spill Responders

OHS Spill Prevention and Contingency Roles and Responsibilities

Secondary OHS spill responders will assist the primary OHS spill responders in spill response and cleanup. Secondary responders will be activated as needed and individually based on the specific situation. The secondary OHS spill responder can take responsibility for the cleanup of a spill following the abatement of the emergency situation by the primary OHS spill responder. Personal safety is top priority during spill response and cleanup for all responders.

Shops and Units that Use or Store OHS

If you are **certain** that it is **safe** to do so, take steps to control (stop the source, shut off valves, upright the spilling container, etc.) and/or contain (apply sorbent materials, block drains, etc.) the spill.

- Assist the primary and/or other secondary OHS spill responders in spill cleanup if it is safe to do so.
- Budget for and maintain spill cleanup supplies suitable for the volumes and specific OHS handled.

Environmental Affairs Department (EAD)

- Coordinate OHS spill prevention, initial spill response, and spill cleanup training.
 - Resource Conservation and Recovery Act Training (monthly)
 - Environmental Coordinator Training (quarterly)
 - Secondary MOS 9954 Training (yearly)
- Coordinate training for the MCAS - Cherry Point Open-Water Spill Response Team as outlined in the Integrated Contingency Plan (ICP).
- Coordinate petroleum spill cleanup training for the 2dMAW Spill Response Team.
- Maintain the ICP and distribute copies to local emergency responders following revisions.
- Establish and maintain OHS spill notification and response procedures.

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- Provide consultation and support for OHS environmental impact and cleanup requirements.
- Publish/distribute monthly recall roster for after-hours EAD spill response.
- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.
- Provide a coordinator for the MCAS - Cherry Point Open-Water Spill Response Team and assure the team operates following the Open-Water Spill Response Team SOP.
- Provide a Spill Response Program Manager.
- Perform inspections of the SPILL ROUTE following the SPILL ROUTE SOP on Tuesdays and Thursdays.
- Report OHS spills to Federal/State/Local agencies as required by regulation.
- Provide initial notification and updates to the Chief of Staff, the Director of Facilities, the duty officer, and/or Headquarters Marine Corps for significant OHS spills.
- Support the MCAS Cherry Point Fire Department and the FMD in the management of oil spill cleanup supplies provided to MCAS - Cherry Point by NAVFACESC (boats, vacuum truck, boom, etc.).
- Publish a roster of the MCAS - Cherry Point Open-Water Spill Response Team and distribute to the MCAS - Cherry Point Fire Department.
- Maintain rosters on hand of the FMD Spill Response Team, the NAVAIRDEPOT Spill Response Team, and the 2dMAW Spill Response Team.
- Budget for and maintain spill response supplies suitable for petroleum spills to assist in support of emergency response and/or cleanup.
- Budget for OHS spill prevention and spill control equipment maintenance.

Facilities Maintenance Department (FMD)

- Provide manpower, training, equipment, and supplies to support the FMD Spill Response Team.
- Budget for and maintain OHS spill response and cleanup supplies for the FMD Spill Response Team.

ENCLOSURE (4)

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- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.
- Perform inspections of the SPILL ROUTE following the SPILL ROUTE SOP on Mondays, Wednesdays, and Fridays.

FMD Spill Response Team

- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provide OHS spill cleanup support.
- Activate the 2dMAW spill response team for petroleum spills when additional manpower is needed.
- Ensure FMD/2dMAW personnel and equipment are thoroughly decontaminated before securing the response team.
- Publish a roster of the FMD Spill Response Team and distribute to the MCAS - Cherry Point Fire Department, CFR, and the EAD.
- Maintain a roster on hand of the 2dMAW Spill Response Team.

Naval Air Depot, MCAS - Cherry Point (NAVAIRDEPOT)

- Provide manpower, training, equipment, and supplies to support the NAVAIRDEPOT Spill Response Team.
- Budget for and maintain spill response supplies suitable for all OHS present at the NAVAIRDEPOT for emergency response.
- Provide 3 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.

NAVAIRDEPOT Spill Response Team

- Maintain HAZWOPER certification for OHS spill response in compliance with OSHA.
- Provide OHS spill response and cleanup support for spills within the NAVAIRDEPOT.
- Ensure NAVAIRDEPOT personnel and equipment are thoroughly decontaminated before securing the response team.
- Publish a roster of the NAVAIRDEPOT Spill Response Team and distribute to the MCAS - Cherry Point Fire Department, CFR, and the EAD.

ENCLOSURE (4)

21 Feb 2006

Second Marine Aircraft Wing (2dMAW)

- Provide manpower to support the FMD Spill Response Team when a spill cleanup action exceeds the manpower capabilities of the FMD Spill Response Team. The 2dMAW Spill Response Team will only be activated for petroleum spills.

Spill Response Team

- Team to consist of a minimum 20 Marines.
- Team to include a minimum 1 SNCOIC, 1 NCOIC, and 18 Lance Corporals and below.
- Receive petroleum spill cleanup training from the EAD.
- Once the team has been activated for a spill event, spill response will be the workload priority of the team members.
- Publish and keep current a roster of the 2dMAW Spill Response Team and distribute to the FMD and the EAD.

Joint Safety Office (JSO) and Industrial Hygiene (IH)

- Provide exposure limits and monitoring during OHS spill response and cleanup as requested by the responders and if deemed necessary by the Joint Safety Officer.
- Provide personal protective equipment (PPE) recommendations to responders as needed or deemed necessary.
- Provide guidance to responders and cleanup personnel regarding all safety matters.
- Assist the primary OHS responders in determining the area "safe" for entry of cleanup personnel for all hazardous substance spills.

Navy Boat Docks

- Provide 4 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.

Fuels Department

- Provide 2 members to serve on the MCAS - Cherry Point Open-Water Spill Response Team.

ENCLOSURE (4)

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Open-Water Spill Response Team (OWSRT)

- Operate following the Open-Water Spill Response Team SOP
- Team to consist of members as follows:
 - 4 from Fire Department
 - 4 from EAD
 - 4 from FMD
 - 3 from NAVAIRDEPOT
 - 4 from Navy Utility Boat Division
 - 2 from Fuels Department

ENCLOSURE (4)

Appendix F

Inert Debris Salvage and Removal Form

INERT DEBRIS SALVAGE AND REMOVAL (5090)
 MCAS CHPT 0100 (REV 11-05) (EF)

THIS FORM WILL BE TURNED OVER TO THE LANDFILL OPERATOR
 BEFORE ENTERING THE LANDFILL.

INERT DEBRIS SALVAGE AND REMOVAL FORM
 Marine Corps Air Station Cherry Point, North Carolina

1. You are hereby authorized to collect inert debris (wood, mulch, concrete, and bricks) from the Air Station Land Clearing and Inert Debris (LCID) Landfill. This authorization is being granted gratuitously by the U.S. Government and can be revoked at any time. By your signature below you acknowledge and agree to the terms of this authorization.
2. The landfill is fully operational and inherently dangerous to those who enter the premises. Anyone entering the premises assumes all risk of personal injury and property damage, including, but not limited to, severe injury or death resulting from or during collection of materials from the landfill.
3. You agree to release and hold harmless the United States Government, including the United States Marine Corps and its officers, employees, agents, personnel, successors and assigns, from any and all claims, damages, liabilities, losses, injuries, deaths, and costs and expenses including attorney's fees, and costs of suits arising out of or claimed on account of the granting of access to the MCAS Cherry Point landfill and the materials thereby provided by the United States Government. You agree that this release also binds your family, heirs, assigns, administrator, and executor.
4. All persons must provide full legal name and signature. Children under 18 years of age are not authorized to enter the Landfill.
5. To facilitate future scrap wood collection and removal efforts, you have the option to be added to an Authorized User List (AUL). Inclusion on the AUL will eliminate the need for a Scrap Wood Collection and Removal Form each time you enter the landfill for scrap wood collection and removal. The AUL will be valid for one calendar year at which time a new Inert Debris Salvage and Removal Form will need to be completed and signed. The government reserves the right to remove a name from the AUL or discontinue the AUL at any time. Inclusion is entirely voluntary.
Initial here if you wish to be added to the Authorized User List. By initialing, you acknowledge that the waivers set forth in this document will remain in effect for any and all visits made to the Air Station Land Clearing and Inert Debris (LCID) Landfill. Please note that there will be a time lag between submittal of this form and addition to the AUL.
6. By your signature below, you agree to the terms of the Inert Debris Salvage and Removal Form.

PRINT NAME:	LEGAL SIGNATURE: <u>LIC PLATE No#</u>	DATE: <u>STATE</u>
-------------	--	---

Hours of Operation are subject to change without notice as personnel availability and mission requirements dictate. Personnel will depart when instructed to do so by the landfill operator and will not remain on the premises while the landfill operator is not on site. Personnel will be prepared to depart at least 15 minutes prior to closing time. Personnel will NOT be allowed entry into the landfill after Salvaging Hours (posted below). Landfill phone number is (252) 466-6785.

Salvaging Hours: Monday through Friday: 0715 to 1100 and 1245 to 1530
 Saturday, Sunday & Holidays: Closed

1115 / 1234 2005A

Appendix G

Landfill Chit

Appendix H

Asbestos Chit

ENVIRONMENTAL AFFAIRS DEPARTMENT
Marine Corps Air Station
Cherry Point, North Carolina 28533-0006

Date: _____
(mm/dd/yy)

Memorandum

From: Environmental Affairs Department

To: Facilities Maintenance Department (Attn: LCID Landfill Operator), Marine Corps Air Station, Cherry Point.

Subj: ASBESTOS CHIT, LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL

1. Asbestos removed by: _____ Date: _____
(print name) (mm/dd/yy)

Work Center _____ Phone # _____
(include area code)

Address: _____
(street, city, state, zip)

2. Transporter: _____ Date: _____
(print name) (mm/dd/yy)

Address: _____ Phone # _____
(street, city, state, zip) (include area code)

3. Building # of Removal: _____ Areas Abated: _____

4. Description of Materials: _____

5. Quantity a) # of Bags: ¼ Full _____ ½ Full _____ ¾ Full _____ Full _____ Total _____

b) _____ Square Feet of Materials, or _____ Linear Feet of Pipe Insulation

c) Other than Bags (type containment and quantity) _____

Note: Asbestos Chit will be turned over to the LCID Landfill Operator prior to disposal.

I, _____, hereby certify that the information provided
(print transporter's name)

above is accurate and correct to the best of my knowledge.

Transporter: _____ Date: _____
(signature) (mm/dd/yy)

EAD Representative: _____ Date: _____
(signature) (mm/dd/yy)

Hours of Operation: Monday through Thursday:

0715 to 1115 and 1215 to 1515

Friday:

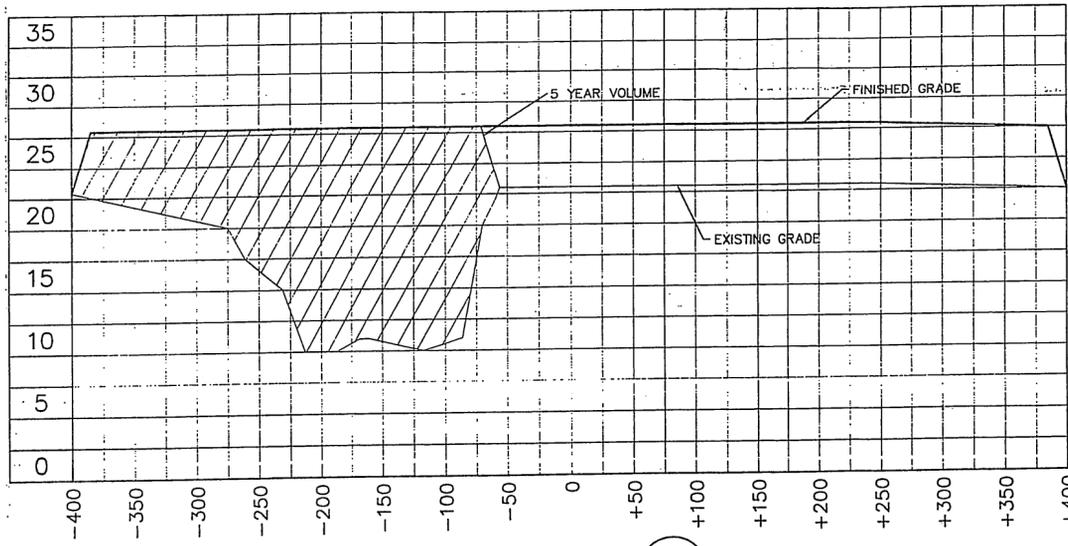
0715 to 1115

Saturday, Sunday & Holidays:

Closed

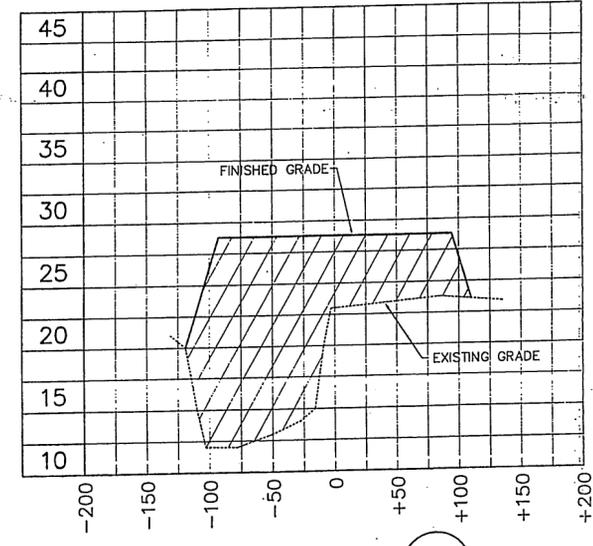
Hours of Operation are subject to change without notice as personnel availability and mission requirements dictate. Personnel will not remain on the premises while operator is not on site.

REVISIONS			
SYN.	DESCRIPTION	DATE	APPROVED



SECTION 1
ASBESTOS

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

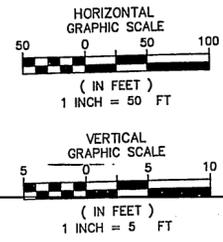


SECTION 2
ASBESTOS

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

VOLUMES:

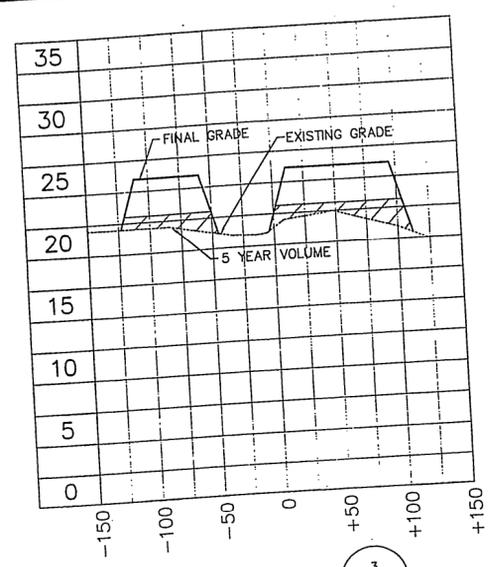
LANDFILL	TOTAL CAPACITY (CY)	5 YR CAPACITY (CY)
ASBESTOS	50,087	31,960
FLYASH & SAND MEDIA RECLAMATION AREA	39,580	26,570
CONCRETE	13,592	1,892
LAND CLEARING WASTE, UNTREATED WOOD, YARD TRASH	101,431	33,810



		C-4	
		DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, CHERRY POINT, N.C.	
FED DRAWING NO.		PROJECT NUMBER:	
DES	CAM	CONSTRUCTION DEBRIS EXPANSION & IMPROVEMENT CROSS SECTIONS	
DR	MSA		
CHK	BAS		
SUPV	RSM, III		
BY	CHK	SCALE	GRAPHIC
APPROVED: FED OR OCCC	Date	SIZE	CODE IDENT NO.
SATISFACTORY TO	Date	F	80091
CONSTRUCTION CONTRACT NO.:		SHEET: 4 OF 6	

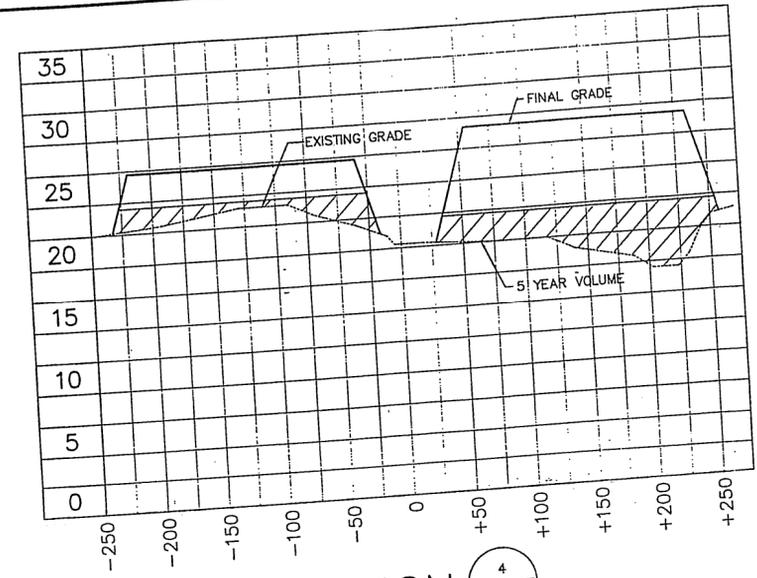
**REDUCED SIZE
DRAWING**
 DEC 1 1 '97
**USE
GRAPHIC SCALE**

REVISIONS			
SYH	DESCRIPTION	DATE	APPROVEE



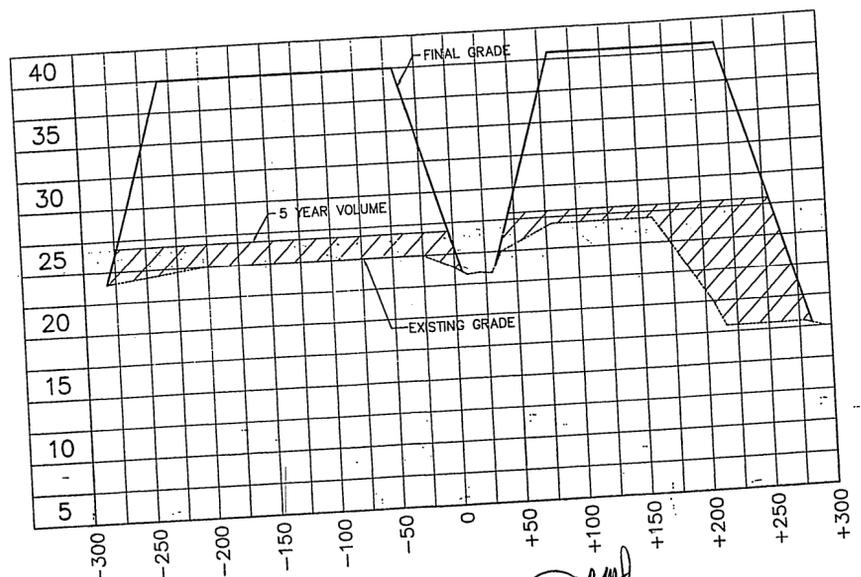
SECTION $\frac{3}{C-2|C-5}$
 LAND CLEARING WASTE
 UNTREATED WOOD/YARD TRASH

HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'



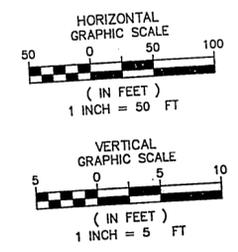
SECTION $\frac{4}{C-2|C-5}$
 LAND CLEARING WASTE
 UNTREATED WOOD/YARD TRASH

HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'



SECTION $\frac{5}{C-2|C-5}$
 LAND CLEARING WASTE
 UNTREATED WOOD/YARD TRASH

HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'



		MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9284		C-5	
FED DRAWING NO.		DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, CHERRY POINT, N.C.			
DES	CAM	CONSTRUCTION DEBRIS EXPANSION & IMPROVEMENT CROSS SECTIONS			
DR	MSA	PROJECT NUMBER:			
CHK	BAS	SIZE CODE IDENT NO F 80091			
SUPV	RSM, III	CONSTR CONTR NO DRAWING			
IN CH		SCALE GRAPHIC SPEC SHEET 5 OF 6			
APPROVED: FED OR OCC	Date	DEC 11 '97			
SATISFACTORY TO	Date	GRAPHIC SCALE			