

Scanned By	Date	DOC ID	Permit
Backus	06/09/2015	24486	25B-LCID-



ENVIRONMENTAL AFFAIRS DEPARTMENT  
MARINE CORPS AIR STATION  
POSTAL SERVICE CENTER BOX 8006  
CHERRY POINT, NORTH CAROLINA 28533-0006

IN REPLY REFER TO:  
5090/11305  
LN  
May 29, 2015

Ms. Pat Backus  
North Carolina Department of  
Environment and Natural Resources  
Division of Waste Management  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

Dear Ms. Backus:

Marine Corps Air Station, Cherry Point's Land Clearing and Inert Debris (LCID) Landfill permit to operate is set to expire November 15, 2015. As required by 15A NCAC 13B .0201(g), the owner or operator must submit to the Section a written request for permit review and include updated facility plans. Our current LCID Permit Number is 25-B.

Attached is a completed package for a five-year LCID Permit Amendment. The LCID Standard Operating File includes an updated Operations Plan. As the facility is located on an active military installation and owned by the federal government, a letter from the local government stating that the LCID complies with local land use and zoning ordinances is not applicable.

If you have questions or require additional information, please contact Mr. Nathan Arnett at (252) 466-5271.

Sincerely,

A handwritten signature in black ink, appearing to read "G. W. Radford".

G. W. RADFORD  
Environmental Affairs Officer  
By direction of the  
Commanding Officer

Enclosure: Land Clearing and Inert Debris (LCID) Landfill Permit  
Package

# Land Clearing and Inert Debris Landfill

## Standard Operating File



Environmental Affairs Department

MCAS Cherry Point

Revised: May 2015

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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 (NCDENR), Division of Waste Management. A copy of the permit is located in Appendix A. The landfill serves as the disposal site for the installation land clearing, construction, and demolition activities conducted on board the Air Station by military and civilian operations. The landfill is divided into several areas to allow segregation for recycling and/or reuse of the material. A figure of the landfill depicting the material segregation areas is located in Appendix B.

Responsibilities for the landfill fall into two areas: operational support and environmental compliance. The Public Works Department (PWD) administers the operational activities while the Environmental Affairs Department (EAD) oversees the environmental compliance. Close interaction between the PWD 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; uncontaminated soil; inert debris such as concrete, masonry, brick, and asphalt; and unpainted and untreated wood such as pallets and packing crates. Spiractor sand (silica sand coated with calcium carbonate and manganese produced as a byproduct of the water softening process at the Water Treatment Plant) is staged for reuse as a cover material. A new nano-filtration water treatment facility currently under design will eliminate this softening process so placement of the material at the landfill will cease once the new plant is operational. Coal ash is staged at the landfill for reuse as structural fill material in select construction projects aboard the Air Station. Coal ash currently generated at the Central Heating Plant is disposed of at the regional subtitle D landfill located in Tuscarora, NC.

Due to limited life of the landfill, disposal of debris resulting from contractor activities such as demolition, construction, and renovation projects is not permitted 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 PWD landfill operator who operates the vehicle scales and records all loads coming in and out of the landfill. The landfill operator is authorized to refuse a load should it contain any unauthorized material. The landfill operator also conducts periodic inspections of the landfill area to ensure no unauthorized material has been disposed of.

Unpainted and untreated wood is grinded on a periodic basis and used for boiler fuel at a local county waste-to-energy facility. Additionally, authorized personnel are permitted to salvage wood for self-help projects.

## 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 landfill is compliant with federal and state environmental regulations as well as environmental air station orders (Appendix C, D, and E) covering waste disposal, salvage (wood reuse), and spill contingency plans. The landfill is closed to the general public. Disposal of material at the landfill is limited to military and civilian employees in performance of base operations.

The landfill is located on Access Road and 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, ensuring wastes are placed in the pre-designated areas, and policing the area of municipal solid waste. The landfill operator can be contacted at 466-6785 during normal operating hours. The following personnel should be contacted if necessary.

<b><u>Department</u></b>	<b><u>Name</u></b>	<b><u>Phone #</u></b>
Facilities Maintenance Dept (Operations)	Earl Brown	466-7371
Environmental Affairs Dept. (Compliance)	Nathan Arnett	466-5270
LCID Landfill Operator (PWD)	Operators Vary	466-6785

### **III. Acceptable Wastes**

Per ASO 5090.13-Solid Waste Disposal (Appendix D), 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 permitted to deposit authorized land clearing or inert debris. Government contractors depositing wastes at the landfill are required to present a completed Landfill Chit signed by an EAD Representative (Appendix G). The 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 be untreated and unpainted and shall contain no metal other than nails, staples, or bolts used for assembly of the pallet or crate. The landfill operator will ensure that the wood presented is acceptable for disposal. Wood deemed unacceptable for disposal in the landfill is directed back to the pickup location to have the unacceptable wood removed or to the permitted municipal solid waste transfer station located at Mockingbird Hill for disposal. The PWD utilizes a bulldozer equipped with a rake to consolidate wood waste on an as-needed basis. Periodically, Cherry Point contracts for wood grinding services to chip the wood into mulch material for transport to a permitted waste-to-energy facility to be utilized as boiler fuel.

**Land Clearing Waste** - This includes stumps, trees, limbs, brush, grass, and other yard debris. 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, masonry block, and asphalt from construction projects may be disposed at the LCID Landfill. These items are stockpiled separately from other material so to facilitate crushing for reuse in base projects. Rebar must be cut flush with the concrete prior to disposal. The majority of inert debris is recycled at off-station private C&D or LCID landfills.

**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. The majority of asphalt is either reused during resurfacing projects or recycled at off-station private C&D or LCID landfills.

**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. Soil brought into the landfill will be properly sloped and seeded to prevent erosion.

**Asbestos** – Historically, asbestos has been disposed of at the landfill in a 10-acre asbestos disposal cell. Currently, asbestos is either transported directly to a permitted facility or deposited in a secured closed top bulk container staged at the landfill for use by Air Station and Contractor personnel trained in proper handling and management of asbestos material. As needed, the containerized asbestos material is transported off-station to an appropriate permitted facility for disposal. Prior to disposal, an Asbestos Chit (see Appendix H) must be completed and signed by an EAD Representative.

## **IV. Management of Materials at the LCID**

**Coal Combustion Byproducts** – Coal ash is produced by the Central Heating Plant located aboard Cherry Point and is a combination of bottom ash and fly ash. While coal ash is not currently deposited at the landfill, some ash is staged at the landfill awaiting use in planned projects as structural fill material. Mixing of other waste with the coal ash is prohibited.

**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.

**Scrap Wood** – PWD and military units deposit untreated and unpainted wood and crates at the wood pile. The material is pushed up by PWD personnel using a bulldozer equipped with a rake. Periodically, the wood is grinded by a contractor who transports the wood grindings to a local waste-to-energy facility for use as boiling fuel. Additionally, military and civilian personnel may salvage wood for reuse from the landfill using an Inert Debris Salvage and Removal Form (Appendix F) per the ASO 5090.12 - Salvage of Inert Debris (Appendix C).

**Uncontaminated Soil** – PWD and military units may deposit uncontaminated soil at the landfill. The soil is made available for reuse by military and civilians personnel as well as base project requirements (i.e. backfill). The load must be approved by EAD prior to placement at the landfill to ensure the soil is uncontaminated and able to meet future soil requirements for construction.

## **V. Emergency Contingency Plan**

MCAS Cherry Point is equipped with its own firefighting and emergency response capability located aboard the installation. In case of a fire or spill, call 911 or 466-. Personnel will follow the guidelines established by Air Station Order 5090.7 (Appendix E) for spill response.

## **VI. Supporting Documentation**

The EAD is in the process of developing a new all-encompassing Air Station Order (ASO) 5090.XX (number to be assigned) for the purpose of consolidating individual ASOs into one ASO. The new ASO will include all the aspects detailed in the three ASOs referenced in this SOP. These are ASO 5090.7-Oils and Hazardous Substances Spill Prevention and Contingency Plan, ASO 5090.12-Salvage of Inert Debris, and ASO 5090.13-Solid Waste Disposal. These three ASOs will be cancelled once the ASO 5090.XX is signed by the Commanding Officer.

Additionally, the forms and chits utilized to facilitate waste disposal and material reuse are periodically updated to reflect a change in law or regulation. When a change is incorporated, the new form/chit will be incorporated into the SOP.

# 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',

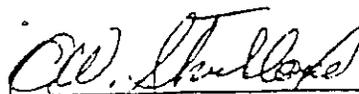
thence N 82° 57' 34" W 378.00',

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.



Facility Permit No: 25-B  
Marine Corps Air Station Cherry Point LCID  
Landfill  
Permit to Operate  
November 15, 2010  
Doc ID No. 12138  
Page 1 of 9

North Carolina Department of Environment and Natural Resources  
Division of Waste Management  
Dexter R. Matthews  
Director

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION

**LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL  
PERMIT NO. 25-B**

MARINE CORPS AIR STATION CHERRY POINT

is hereby issued a

**PERMIT TO OPERATE**

MARINE CORPS AIR STATION CHERRY POINT LCID LANDFILL

Located adjacent to and north of the existing closed Marine Corp Air Station Cherry Point Landfill, in the Whitehall Mine Township, Craven County, North Carolina in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The legal description of the site is identified on the deed recorded for this property listed in Attachment No. 1 of this permit.

\_\_\_\_\_  
Edward F. Mussler, III, P.E.  
Permitting Branch Supervisor  
Solid Waste Section

1646 Mail Service Center, Raleigh, North Carolina 27699-1646  
Telephone 919-508-8400 \ Fax 919-733-4810 \ Internet <http://wastenotnc.org>

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North Carolina  
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## ATTACHMENT 1

### PART I: PERMITTING HISTORY

Permit	Date	Doc ID No.
Permit To Operate	September 23, 1982	11635
Permit To Operate	November 15, 2010	12138

### PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN

1. Site Plan prepared by McDowell-Jones, P.A., dated June 3, 1982, approved September 23, 1982.
2. Land Clearing and Inert Debris Landfill permit application report and operations plan, dated September 6, 1995, receipt confirmed July 7, 2003.
3. Correspondence regarding application to renew LCID Permit 25-B for next five years, prepared by Marine Corps Air Station, Cherry Point, July 14, 2006, and permission to continue operations under previous permit (Doc ID 10998).
4. Application to renew LCID Permit 25-B for next five years, prepared by Marine Corps Air Station, Cherry Point, June 23, 2010 (Doc ID 10998).

### PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Property	Book	Page	Acreage	Grantor	Grantee
Original Permit	806	1010	39.953	----	Marine Corps Air Station, Cherry Point
<b>Total Site Acreage:</b>			39.953		

Note: Deed book reference is from Craven County, NC Register of Deeds office.

#### **PART IV: GENERAL PERMIT CONDITIONS**

1. This permit is issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section (Section). In accordance with North Carolina Solid Waste Management Rule 15A NCAC 13B .0201(e), a land clearing and inert debris solid waste management facility permit may be combined in two parts: a Permit to Construct and a Permit to Operate. The Permit to Operate shall expire November 15 2015. The Permit to Operate conditions are contained in Attachment 3 of this permit.
2. The persons to whom this permit is issued ("permittee") are the owners and operators of the solid waste management facility.
3. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer must contain in the deed description section, in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a land clearing and inert debris landfill and a reference by book and page to the recordation of the permit.
4. By beginning construction or receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
5. Construction and operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.
6. The permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachment 1, "List of Documents for Approved Plan," and which constitute the approved plan for the facility. Where discrepancies exist, the most recent submittals and the Conditions of Permit shall govern.
7. This permit may be transferred only with the approval of the Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In accordance with NCGS 130A-295.2(g), the permittee must notify the Section thirty (30) days prior to any significant change in the identity or business structure of either the owner or the operator, including but not limited to, a proposed transfer of

ownership of the facility or a change in the parent company of the owner or operator of the facility.

8. The permittee is responsible for obtaining all permits and approvals necessary for the development of this project including approval from appropriate agencies for sedimentation and erosion control, and a General or Individual National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit, if applicable. Issuance of this permit does not remove the permittee's responsibilities for compliance with any other local, state or federal rule, regulation or statute.

*- End of Section -*

## ATTACHMENT 2

### CONDITIONS OF PERMIT TO CONSTRUCT

#### PART I: FACILITY SPECIFIC CONDITIONS

1. Pursuant to the NC Solid Waste Management Rules (Rule) 15A NCAC 13B .0201(c) and (e), this permit approves construction of vertical extension of the footprints of the Marine Corps Air Station Cherry Point LCID Landfill.
2. The landfill is permitted for a total gross capacity of 101,431 cubic yards. Gross capacity is the measured volume between the bottom of waste and the top of final cover. Development of the landfill is approved as summarized below:

	Acreage	Capacity	Status
		(cubic yards)	
*5-year capacity	---	33,810	Permitted
Total for site	---	101,431	Proposed

\*Applications must be submitted to the Department for review and approval prior to the Construction and Operation

3. The following are required prior to receiving solid waste in the new vertical extensions of the landfill footprints :
  - a. N/A
  - b. A sign must be posted at the entrance as required by the NC Solid Waste Management Rules Operational Requirements, 15A NCAC 13B .0566(16).
  - c. The disposal unit boundary must be accurately identified with permanent markers.
  - d. A site inspection and pre-operative meeting must be conducted by a representative of the Section. The permittee must notify the Section's Environmental Senior Specialist and make arrangements for the site inspection and pre-operative meeting.
  - e. After completion of the requirements in subparagraphs a. through d. above, the Section Environmental Senior Specialist shall notify the Permitting Branch Supervisor by letter or email that the pre-operative requirements have been met and that the unit(s) may commence receiving waste. The permittee will be copied on the notification and may begin receiving waste at that time.

## **EROSION AND SEDIMENTATION CONTROL REQUIREMENTS**

4. All earth disturbing activities must be conducted in accordance with the Sedimentation Pollution Control Act of 1973 (15 NCAC 4) and consistent with any other local, state or federal requirements.
5. Facility construction, operations or practices must not cause or result in a discharge of pollution, dredged material, and/or fill material into waters of the state in violation of the requirements under Sections 401 and 404 of the Clean Water Act, as amended.
6. Modifications to the approved sedimentation and erosion control activities require approval by the North Carolina Land Quality Section. The permittee must notify the Section of any sedimentation and erosion control plan modifications.

*- End of Section -*

### **ATTACHMENT 3**

#### **CONDITIONS OF PERMIT TO OPERATE**

##### **PART I: FACILITY SPECIFIC CONDITIONS**

1. This Permit to Operate expires November 15, 2015. Pursuant to 15A NCAC 13B .0201(g), no later than May 15, 2015, the owner or operator must submit a request to the Section for permit review and must submit updated facility plans meeting the requirements of Rule 0.565 and .0566.
2. This facility must conform to the operational requirements of the NC Solid Waste Management Rules, 15A NCAC 13B .0566 and to the Operational Plan required by 15A NCAC 13B .0565(4).
3. This Permit to Operate authorizes the continued operation of previously permitted sites, and, when the Permittee has complied with conditions in Attachment 2, operation of vertical extensions of the LCID landfill. The vertical extension has a total of 33,810 cubic yards of gross capacity in accordance with the approved plan referenced in Attachment 1, Part II, of this permit.
4. This facility is permitted to receive land clearing waste; yard trash; untreated and unpainted wood; uncontaminated soil; inert debris such as unpainted rock, brick, concrete; concrete block; asphalt in accordance with NCGS 130-294(m); asbestos; coal ash byproducts; and spiractor sand. Wooden pallets as defined in the NCGS Article 9, Chapter 130A-290(44a) are permitted for disposal and shall be handled as specified in the Operations Plan.
5. The proposed facility boundary remains the same as in the original permit.
6. This facility is permitted to receive waste generated within Marine Corps Air Station in accordance with the approved plan. Proposed changes to the service area must be submitted to the Section for review prior to any changes in accordance with Condition No. 10 of this Attachment. An annual report meeting the requirements of G.S. 130A-309.09D (b) shall be submitted by August 1st of each year for the previous July 1 through June 30.
7. The permanent markers that accurately delineate the waste disposal boundary must be maintained.
8. Excavation, grading and fill material side slopes must not exceed a ratio of three horizontal feet to one vertical foot (3:1).

9. Open burning of land clearing waste is prohibited. If a fire occurs, the permittee must provide oral notification to the Section within 24 hours of the occurrence followed by a written report of the details of the fire within 10 working days of the occurrence. The report must include the cause, the location(s) on the premises, the dimensions and volume of material involved, a description of emergency response activities with results, and a description of mitigation measures implemented to reduce or eliminate conditions leading to the fire. Other conditions may be required based on the severity or nature of the fire.
10. Revisions to the design or operation of the facility or changes to the facility service area must be submitted to the Section for review and approval prior to the implementation of any changes. Revisions or changes that require modification to the permit will be subject to the appropriate permitting fee.
11. Amendments or revisions to the NC General Statutes or to the NC Solid Waste Management Rules or any violation of ground water standards may necessitate modification of the approved design or operation plans, waste acceptance requirements or may require closure of the facility.

#### **Cover Material Requirements**

12. Solid waste must be covered with 1 foot of suitable soil cover at least once per month or when the active area reaches 1 acre in size, whichever occurs first, or more often when necessary to prevent the site from becoming a nuisance or to mitigate conditions associated with fire, windblown materials, vectors or excessive water infiltration.
13. The facility must maintain a supply of cover material adequate to cover the working face in case of an emergency or fire, at all times.
14. Vegetative ground cover sufficient to control erosion must be established within 30 (thirty) working days upon completion of any phase of LCID landfill development or as addressed in the approved Sedimentation and Erosion Control permit.
15. Within 120 calendar days after completion of the final disposal operations, the disposal area must be closed and covered with a minimum of 1 foot of suitable soil cover sloped to allow surface water runoff in a controlled manner. However, for ditches with depths greater than 6 inches and widths less than 3 feet located on the landfill, at least 2 feet of soil is required between the bottom elevation of the ditches and the waste mass.

### **Drainage Control and Water Protection Requirements**

16. All required sedimentation and erosion control measures must be installed and maintained to mitigate excessive on-site erosion and to prevent silt from leaving the site of the landfill unit during the service life of the facility.
17. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L.
18. Solid waste must be placed a minimum of four feet (4) above the seasonal high water table.
19. Solid waste must not be disposed in standing water. Surface water must be diverted from the operational area and must not be impounded over or in waste.
20. Leachate must be properly managed on site using best management practices.

### **LAND CLEARING/ YARD WASTE DEBRIS COLLECTION AREA CONDITIONS**

21. The facility is permitted to operate a treatment and processing operation defined in 15A NCAC 13B .0101(49). The operation consists of a grinder for land clearing and yard waste.
22. The facility is permitted to receive land clearing debris and yard waste defined in 15A NCAC 13B, Rules.0101(23) and .0101(56), respectively.
23. Volume of material that will be processed is within the dimensions shown on Plansheet C-5 included in Document No. 4 (Doc ID 10998).
24. If wood material/mulch containing yard trash is provided to the public, the permittee must submit a plan for composting the yard trash in accordance with the requirements of 15A NCAC 13B .1400, et seq.

### **COAL COMBUSTION BY PRODUCT CONDITIONS**

25. Coal combustion by products shall be handled in accordance with the Operations Plan. The ash is staged at the landfill for future recycling and/or beneficial fill; therefore, mixing of waste with the coal ash is prohibited. Ash placed to final elevation around the perimeter of the facility shall be covered with a minimum of 12 inches of soil prior to the end of daily operations. Cover should minimize infiltration into waste and support vegetation. Final cover and seeding shall be implemented within 30 days of reaching final grade. All operations shall be conducted in a manner sufficient to prevent releases of ash materials from the storage unit and/or secondary settling basins.

### **ASBESTOS HANDLING CONDITIONS**

26. Asbestos waste received shall be managed in accordance with 40 CFR 61. The waste will be immediately covered in a manner that will not cause airborne conditions. The waste will be separately disposed of and apart from other solid wastes. It will be additionally handled as described in the Operations Plan.

### **SPIRATOR SAND HANDLING CONDITIONS**

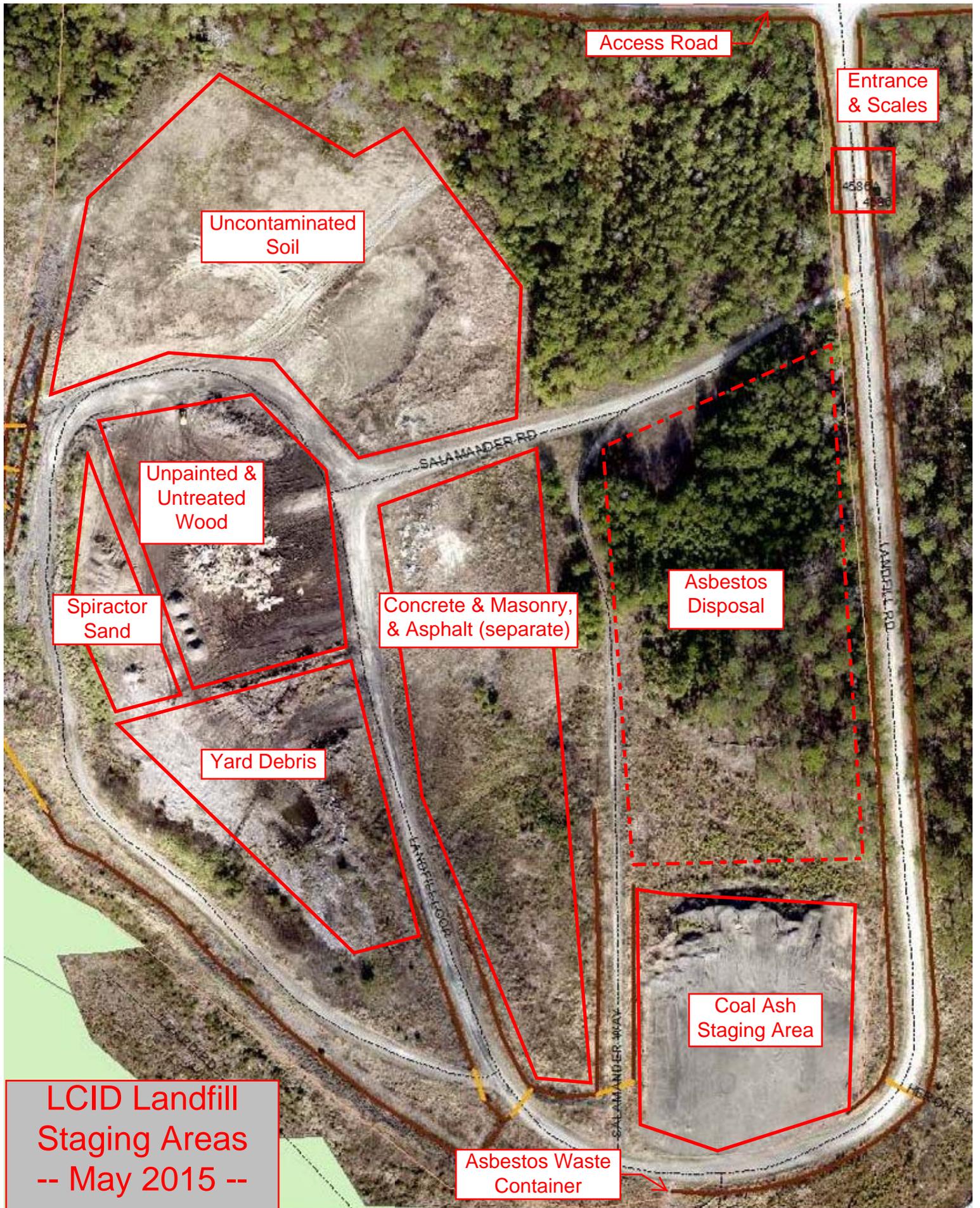
27. Spirator sand waste received at the site shall be handled as described in the Operations Plan. The waste will be used as cover material.

*- End of Permit Conditions -*

## Appendix B

### Landfill Disposal and Managed Storage Map

[1 Dec 1997]



LCID Landfill Staging Areas -- May 2015 --

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED

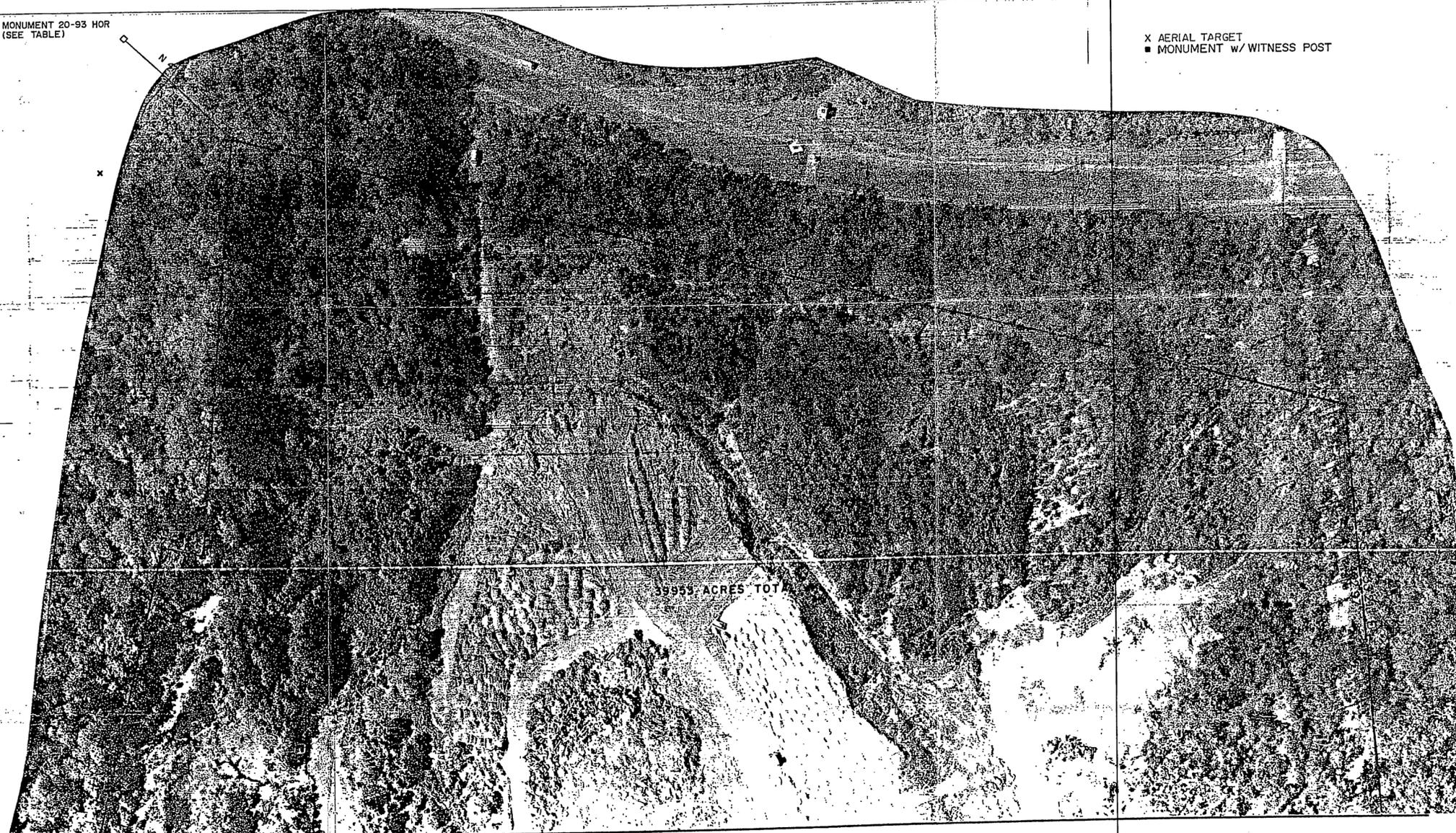


LOCATION MAP SCALE 3/4" = 1 MILE

MONUMENT 20-93 HOR  
(SEE TABLE)

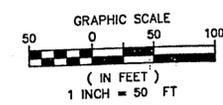
X AERIAL TARGET  
■ MONUMENT W/ WITNESS POST

GRID NORTH  
N.C. GRID (NAD 83)



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		DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
FED DRAWING NO.		MARINE CORPS AIR STATION, CHEERY POINT, N.C.	
<b>BOUNDARY SURVEY OF LANDFILL SITE -CHERRY POINT, NORTH-CAROLINA</b>			
DATE	DATE	DATE	DATE
APPROVED FOR OR DATE	DATE	DATE	DATE
SATISFACTORY TO	DATE	SCALE 1" = 50'	SPEC
DEC 1 1997		PROJECT NUMBER: S010L	

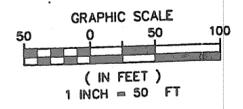
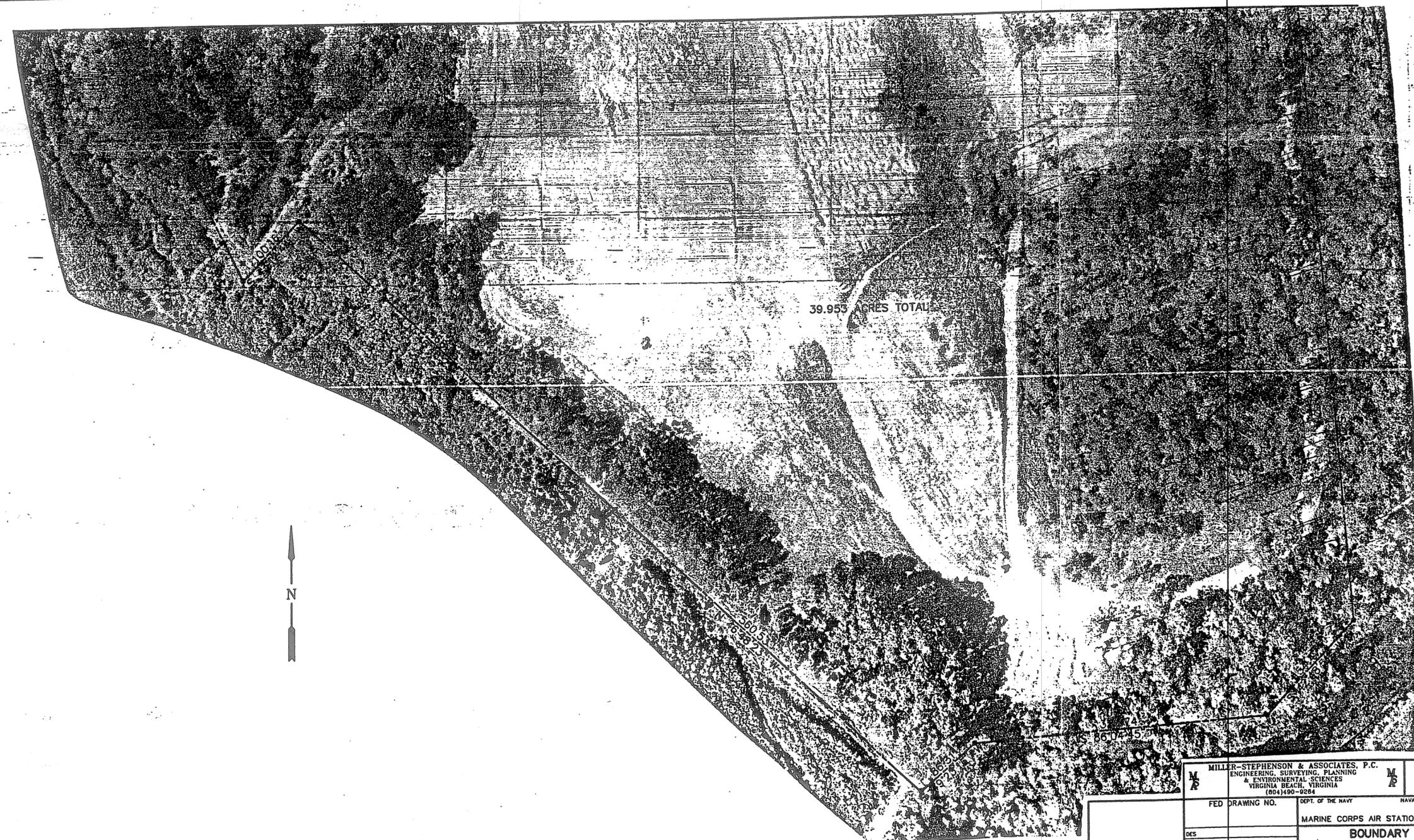
USE GRAPHIC SCALE

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

X AERIAL TARGET  
 ■ MONUMENT (TYP.)

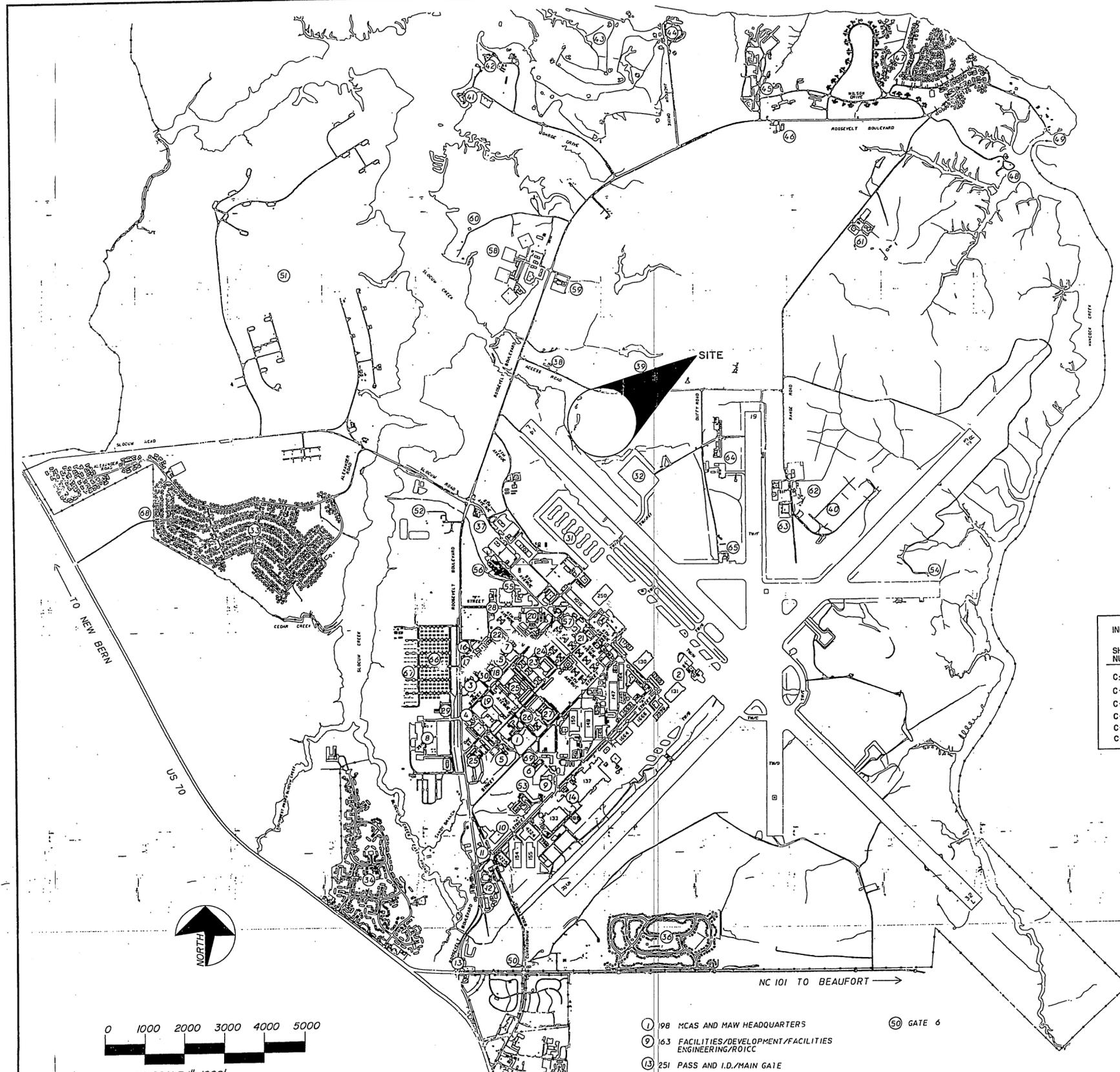


MATCH LINE TO SHEET ONE



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: S010L	
APPROVED: FEJ OR DCC	Date	SIZE	CODE IDENTIFYING
SATISFACTORY TO	Date	F 8009	EDUCATED SIZE
	MAY 94	SCALE 1" = 50'	SHEET 2 OF 2

USE GRAPHIC SCALE

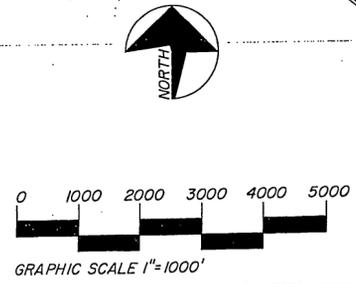


ABBREVIATIONS:

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

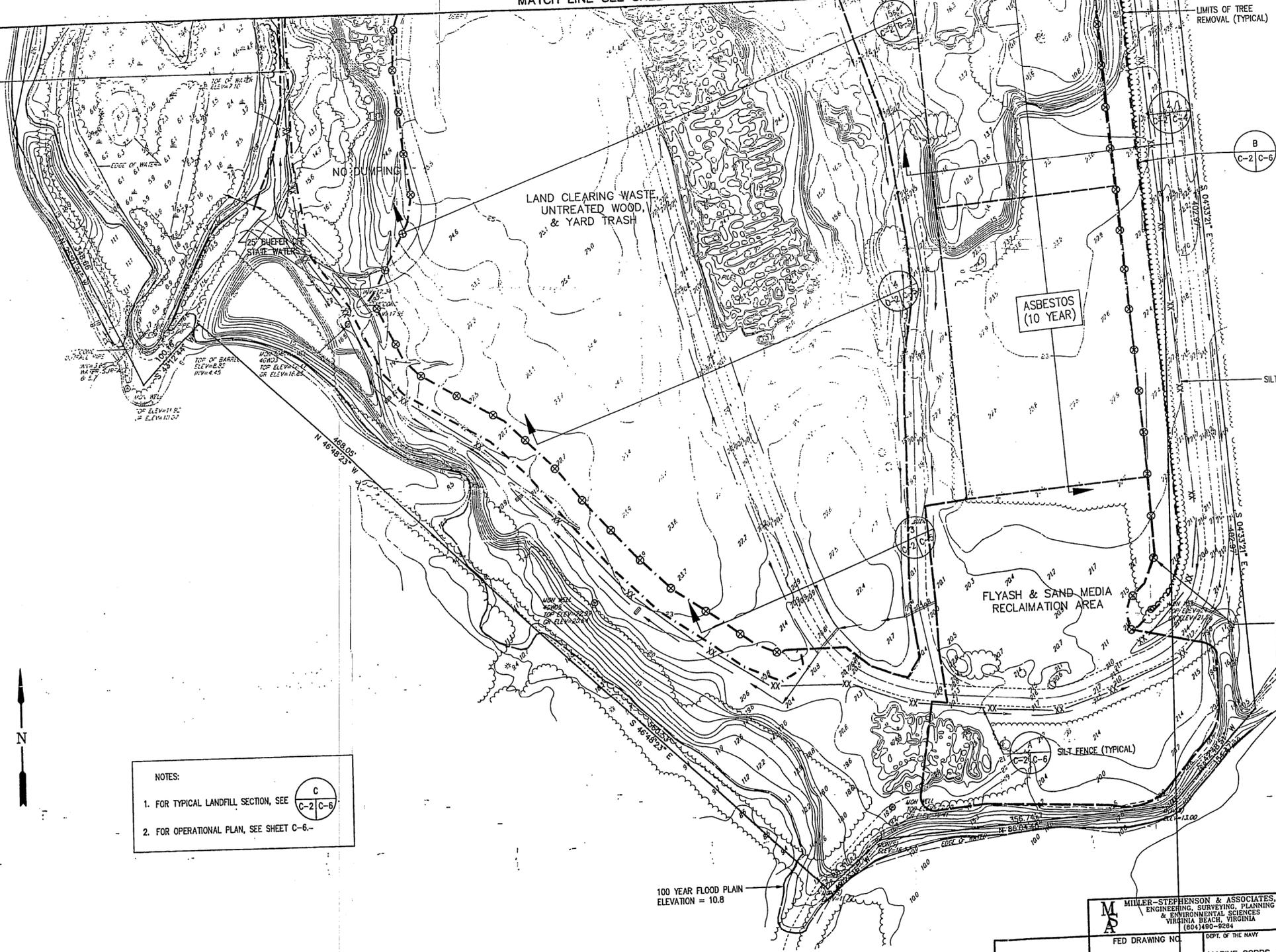
MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)480-0284		M P C-1	
FED DRAWING NO.	DEPT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
DES RSM, III	MARINE CORPS AIR STATION, CHERRY POINT, N.C.		
CHK CAM	EXPAND AND IMPROVE CONSTRUCTION DEBRIS LANDFILL		
SUPV	VICINITY MAP - GENERAL NOTES		
IN CH	PROJECT NUMBER:		
APPROVED/FED OR ODC	Date	SIZE CODE	CODE NO
F		80091	NAVFAC DRAWING NO.
SATISFACTORY TO	Date	SCALE	CONSTR CONTR NO
			SHEET OF

DATE: 12/22/83  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
SCALE: GRAPHIC SCALE

REVISIONS			
SYH.	DESCRIPTION	DATE	APPROVE

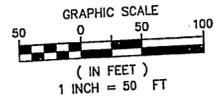
MATCH LINE SEE SHEET C-3

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 #

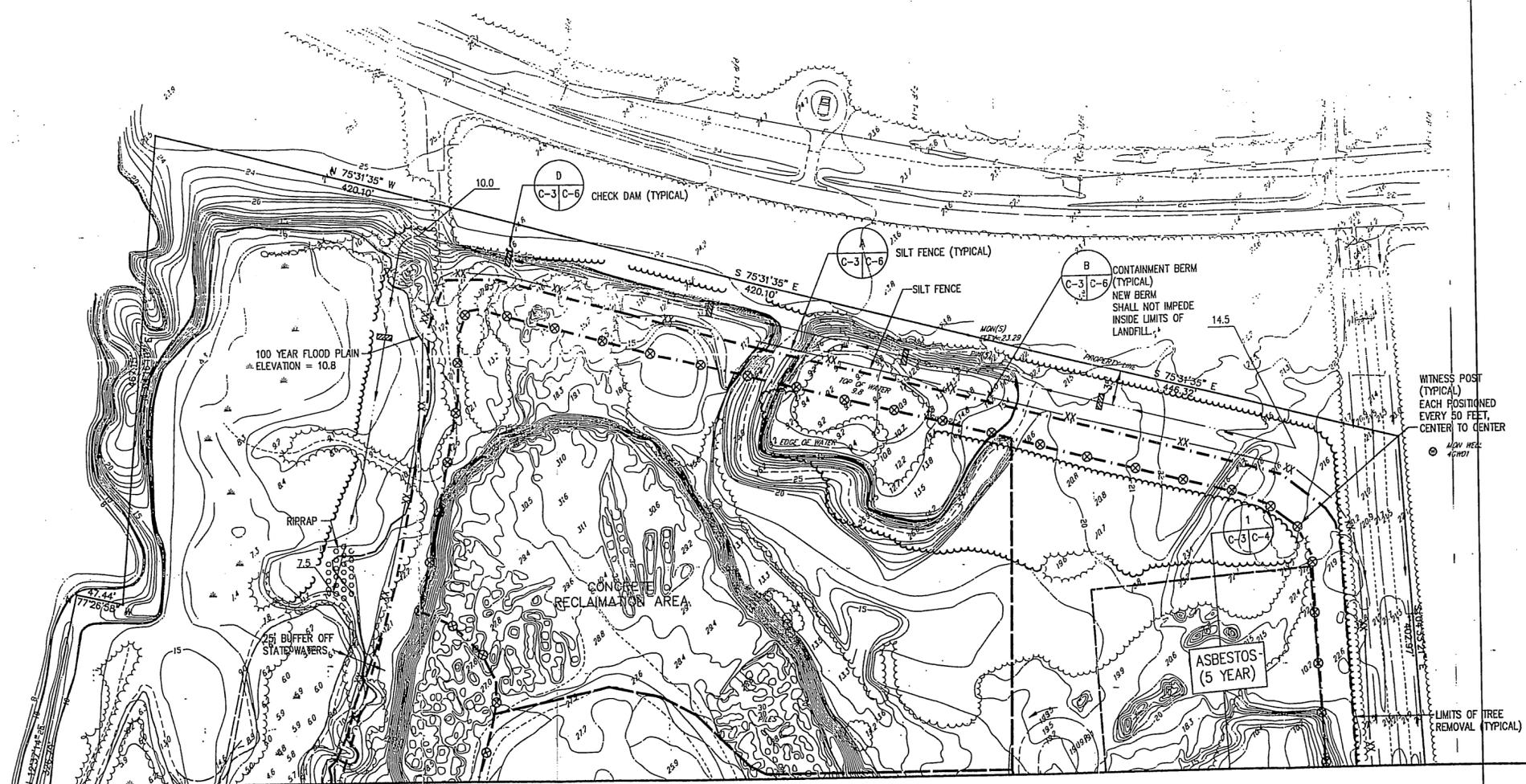
<b>MILLER-STEPHENSON &amp; ASSOCIATES, P.C.</b> ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9284		<b>C-2</b>	
FED DRAWING NO.		DEPT. OF THE NAVY	
DES CAM		MARINE CORPS AIR STATION, CHERRY POINT, N.C.	
DR MSA		<b>CONSTRUCTION DEBRIS LANDFILL EXPANSION &amp; IMPROVEMENT SITE PLAN</b>	
CHK BAS			
SHPV RSM, III		PROJECT NUMBER:	
IN CH		SIZE CODE IDENT NO.	
APPROVED: FED OR OCC		F 80091	
SATISFACTORY TO		SCALE GRAPHIC	

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USE GRAPHIC SCALE

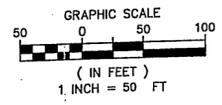
STANDARD DRAWING  
 3301  
 16. T 1330  
 CIVIL ENGINEER  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF NORTH CAROLINA

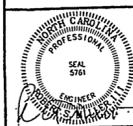
REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED

NOTES:  
 1. FOR TYPICAL LANDFILL SECTION, SEE   
 2. 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		<b>C-3</b>
		FED DRAWING NO.	DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES	CAM	MARINE CORPS AIR STATION, CHERRY POINT, N.C.		
DR	MSA	<b>CONSTRUCTION DEBRIS LANDFILL          EXPANSION &amp; IMPROVEMENT          SITE PLAN</b>		
CHK	BAS			
SUPV	RSM, III	PROJECT NUMBER:		
IN CH		SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
APPROVED FOR OR OICC	Date	<b>F</b>	<b>80091</b>	
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

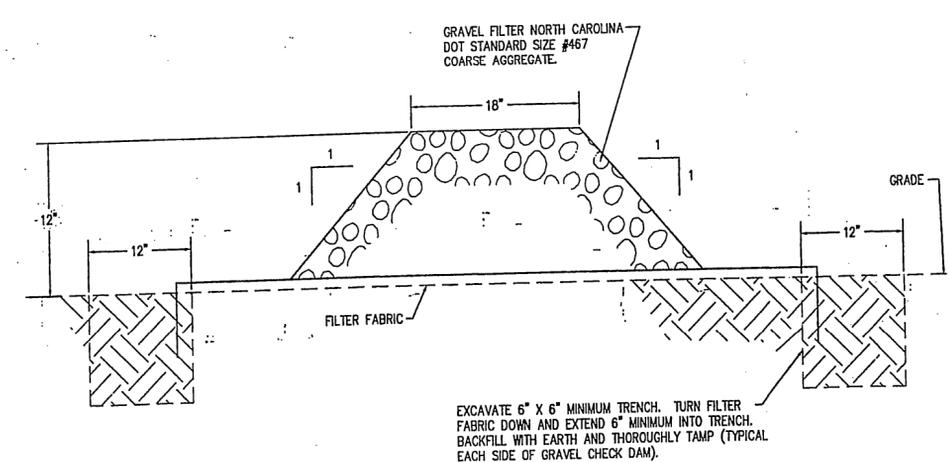
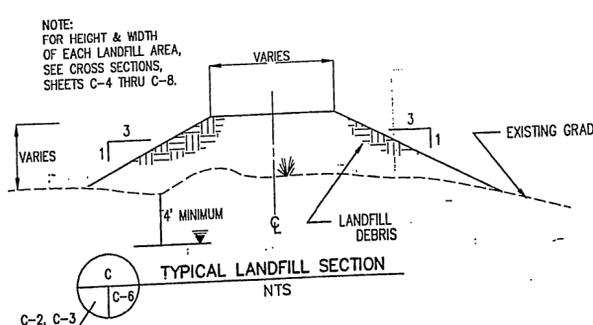
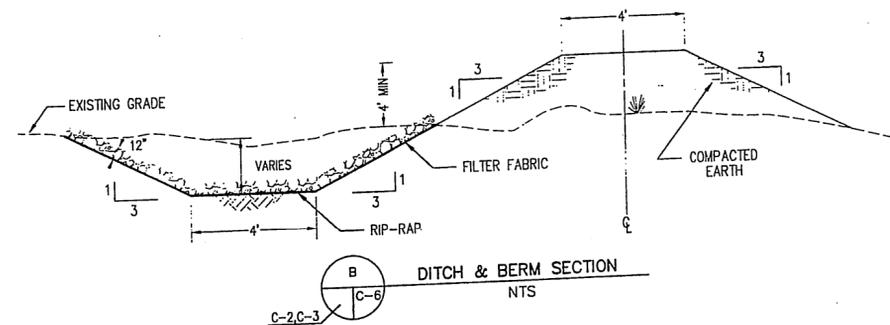
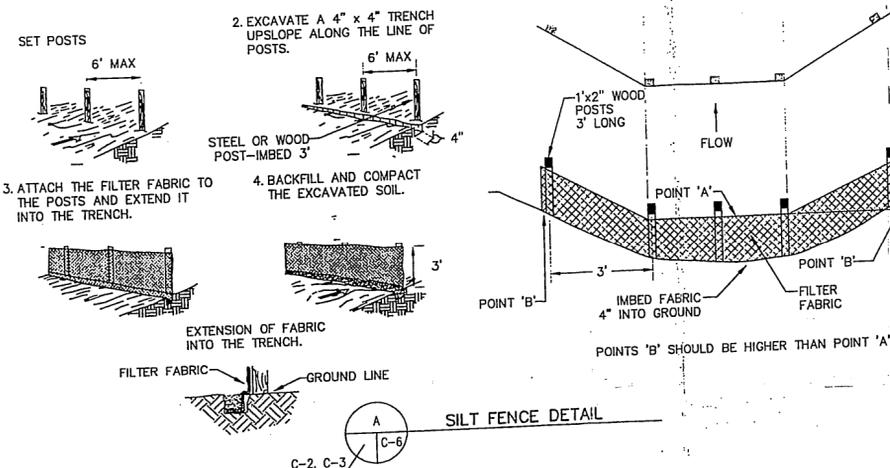
**EMERGENCY CONTINGENCY:**

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.

<b>M S</b> MILLER-STEPHENSON & ASSOCIATES, P.C. ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)490-9264		<b>C-6</b>	
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		SIZE CODE EIGHT NO.	
APPROVED: FED OR DICC Date		F 80091	
SATISFACTORY TO Date		SCALE NTS SPEC	

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USE GRAPHIC SCALE

## Appendix C

Salvage of Inert Debris- AirStaO 5090.12

[30 Nov 2005]



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.

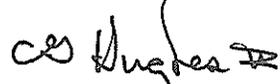
(e) Personnel wanting to remove inert debris from the LCID Landfill must complete the Inert Debris Salvage and Removal Form (enclosure 1). Forms are available at the Environmental Affairs Department, Bldg 4223, and must be renewed annually.

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

6 October 2004



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).

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, 12<sup>th</sup> 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

[21 Feb 2006]



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.

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(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.

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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.

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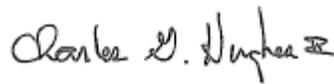
5. Records Disposition Instruction. Units shall maintain copies of their secondary containment inspection records and spill reports within their Environmental Management Operating File. These records should be kept for 5 years, after which they may be destroyed.

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)

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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: Y N Y N Y N Y N Y N
Rainwater Drained: Y N Y N Y N Y N Y N
Drainage Secure: Y N Y N Y N Y N Y N
Inspector's Initials: \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FMD (466-4364) Work Order#: \_\_\_\_\_

\*\*\*\*\*

CONTAINMENT INSPECTION (required monthly)

Containment Device: (dike, concrete berm or pad, etc.)
Compromised Structure (cracks through containment): SAT UNSAT
Evidence of spills (surface sheens, odors, stains):
Unnecessary debris within the containment:
Drainage: (valves, pumps, etc.)
Good Working Order (mechanical operation):
Oriented in the closed position:
Locked (secured with a lock or locked enclosure):

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FMD (466-4364) Work Order#: \_\_\_\_\_

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## **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)

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**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.

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

<b>NOTIFICATION EAD USE ONLY (back)</b>		
<b>Date:</b>	<b>TIME:</b>	<b>EAD Representative:</b>
<b>AGENCY</b>	<b>PHONE #</b>	<b>PERSON CONTACTED</b>
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	
<b>STATE</b>		
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	
<b>EPA</b>		
<b>Other:</b>		
CERCLA HS:	EPCRA Manager:	
EPCRA EHS:		
<b>Additional comments from EAD:</b>		
<b>SPILL RESPONSE DEBRIEF MEETING</b>		
<b>DATE:</b>	<b>TIME:</b>	<b>LOCATION:</b>
<b>ATTENDING MEETING MEMBERS</b>		
<b>DEPARTMENT</b>	<b>NAME</b>	<b>SIGNATURE</b>
Environmental Affairs Dept.		
Fire Division		
Facilities Maintenance Dept.		
Industrial Hygiene		
Joint Safety Office		
NAVAIRDEPOT Representative		
Wing Representative		
Other		
<b>Meeting Recommendations:</b>		

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)

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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

[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: <span style="float: right;"><u>LIC PLATE No#</u></span>	DATE: <span style="float: right;"><u>STATE</u></span>
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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

[2010]



## Appendix H Asbestos Chit

[2010]

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.

# Appendix I

## Environmental Management Manual

- AirStaO 5090.xx

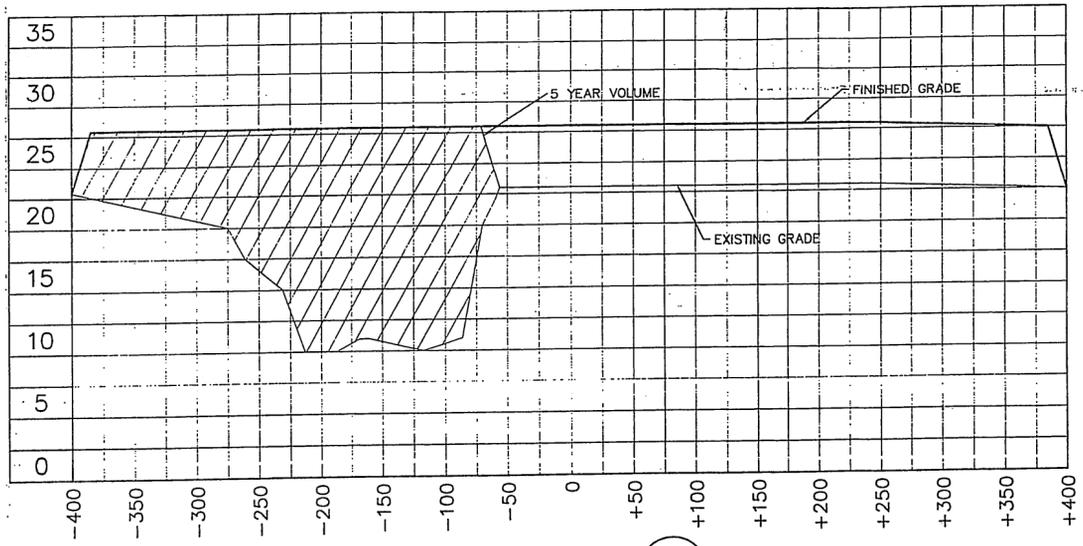
[Reserved]

# Appendix J

## LCID Cross Sections

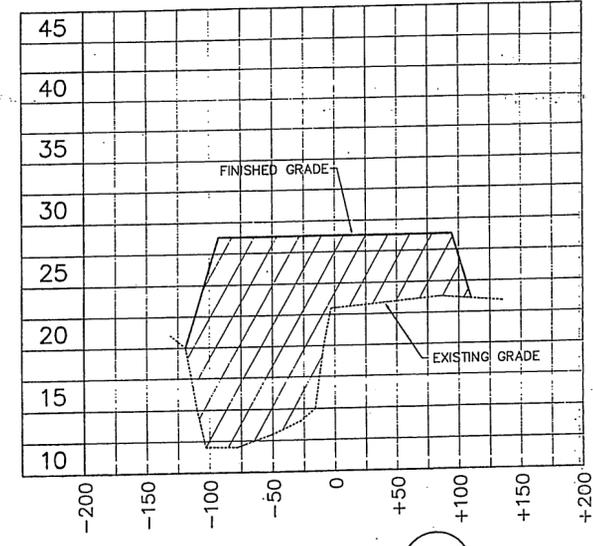
[1 Dec 1997]

REVISIONS			
SYN.	DESCRIPTION	DATE	APPROVED



SECTION 1  
ASBESTOS

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

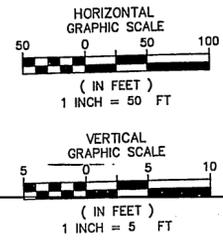


SECTION 2  
ASBESTOS

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

**VOLUMES:**

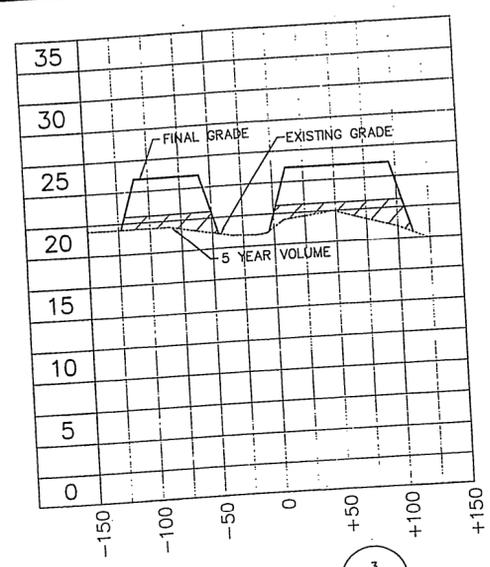
LANDFILL	TOTAL CAPACITY (CY)	5 YR CAPACITY (CY)
ASBESTOS	50,087	31,960
FLYASH & SAND MEDIA RECLAMATION AREA	39,580	26,570
CONCRETE	13,592	1,892
LAND CLEARING WASTE, UNTREATED WOOD, YARD TRASH	101,431	33,810



		<b>MILLER-STEPHENSON &amp; ASSOCIATES, P.C.</b> ENGINEERING, SURVEYING, PLANNING & ENVIRONMENTAL SCIENCES VIRGINIA BEACH, VIRGINIA (804)480-9284		<span style="font-size: 2em;">C-4</span>
		FED DRAWING NO.	DEPT. OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES	CAM	MARINE CORPS AIR STATION, CHERRY POINT, N.C.		
DR	MSA	<b>CONSTRUCTION DEBRIS EXPANSION &amp; IMPROVEMENT CROSS SECTIONS</b>		
CHK	BAS			
SUPV	RSM, III	PROJECT NUMBER:		
BY	CHK	DATE	SCALE	NAVAC DRAWING NO.
APPROVED: FED OR OCCC	Date	SCALE	CODE IDENT NO.	CONSTR CONTR NO.
SATISFACTORY TO	Date	SCALE GRAPHIC	<b>F 80091</b>	SHEET <b>4</b> OF <b>6</b>

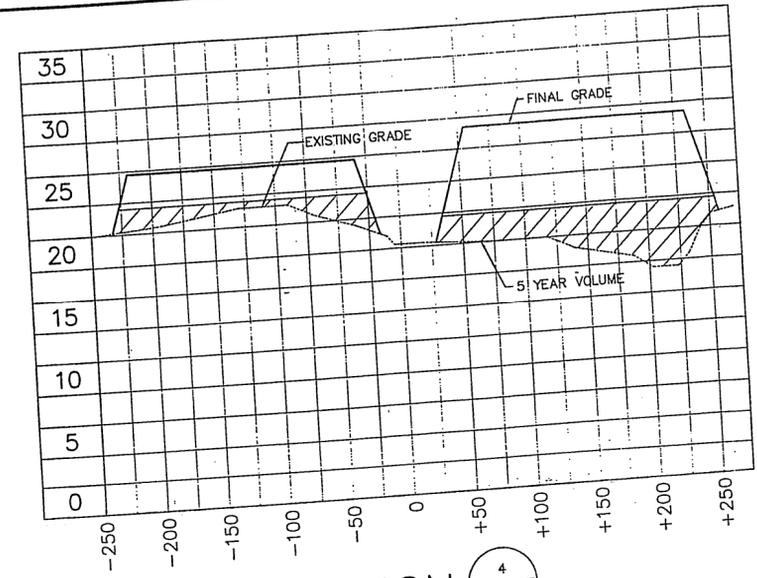
**REDUCED SIZE  
DRAWING**  
 DEC 1 1 '97  
**USE  
GRAPHIC SCALE**

REVISIONS			
SYH	DESCRIPTION	DATE	APPROVEE



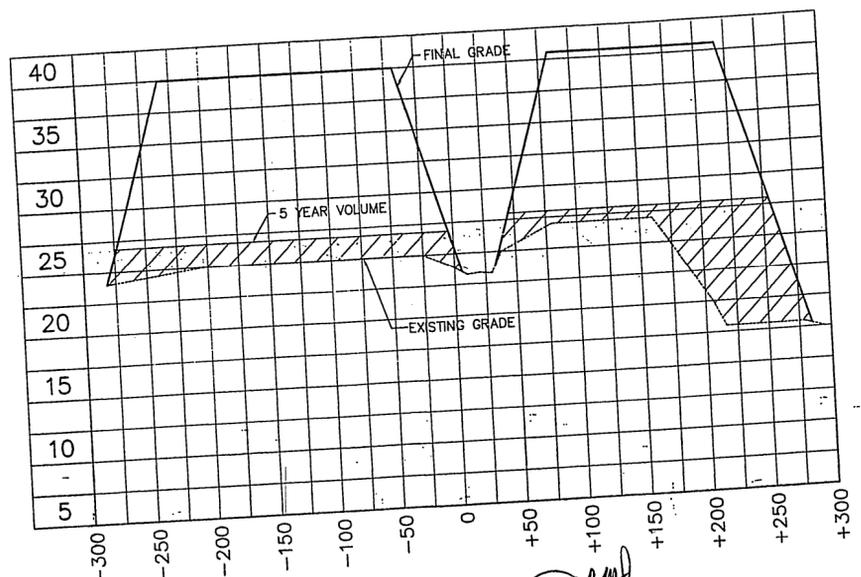
SECTION  $\frac{3}{C-2|C-5}$   
 LAND CLEARING WASTE  
 UNTREATED WOOD/YARD TRASH

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



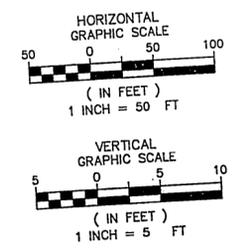
SECTION  $\frac{4}{C-2|C-5}$   
 LAND CLEARING WASTE  
 UNTREATED WOOD/YARD TRASH

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'



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