

04.01-11/01/94 - 01353



DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
1510 GILBERT ST  
NORFOLK VA 23511-2699

TELEPHONE NO:

(804) 322-4818

IN REPLY REFER TO:

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NOV 01 1994

CERTIFIED MAIL RETURN RECEIPT REQUESTED

North Carolina Department of Environment,  
Health, and Natural Resources  
Attn.: Mr. Patrick Watters  
P.O. Box 27687  
401 Oberlin Road  
Raleigh, North Carolina 27611

Re: MCB Camp Lejeune Meeting Minutes, 60 Percent Design for  
Soil Remediation Operable Unit Number 10 (Site 35)

Dear Mr. Watters:

Enclosed are meeting minutes for two separate meetings held on  
September 29, 1994 at MCB Camp Lejeune regarding the 60 Percent  
Design for the remediation of soil at Operable Unit No. 10, Site  
35, Camp Geiger Fuel Farm.

Two distinct sets of meeting minutes were prepared to reflect the  
fact that representatives of the North Carolina Department of  
Transportation (NCDOT) participated in only one of the two  
consecutive meetings.

Please direct any questions to Ms. Katherine Landman at  
(804) 322-4818.

Sincerely,

A handwritten signature in cursive script, reading "L. A. Boucher".

L. A. BOUCHER, P.E.  
Head  
Installation Restoration Section  
(South)  
Environmental Programs Branch  
Environmental Quality Division  
By direction of the Commander

Enclosures

Copy to (w/encls):  
EPA Region IV (Ms. Gena Townsend)  
MCB Camp Lejeune (Mr. Neal Paul)  
Activity Admin Record File

Quality Performance . . . Quality Results

**MEETING MINUTES  
60% DESIGN REVIEW  
MCB CAMP LEJEUNE, NORTH CAROLINA  
SEPTEMBER 29, 1994**

**ATTENDEES**

NEAL PAUL	CAMP LEJEUNE, EMD (meeting only)
TOM MORRIS	CAMP LEJEUNE, EMD (site walk and meeting)
LT. STEVE CHALLEEN	CAMP LEJEUNE, ROICC (meeting only)
AL AUSTIN	CAMP LEJEUNE, FACILITIES (meeting only)
DAN BONK	BAKER ENVIRONMENTAL (site walk and meeting)
JIM KLACIK	BAKER ENVIRONMENTAL (site walk and meeting)
KATHERINE LANDMAN	LANTDIV (site walk and meeting)
JERRY HASTE	LANTDIV (site walk and meeting)
DWAYNE CURRIE	OHM (site walk and meeting)
JON OVERHOLTZER	OHM (site walk and meeting)
GREG WILFLEY	OHM (site walk and meeting)
D. KENT GEIS	OHM (site walk and meeting)
GARY FOSTER	OHM (site walk and meeting)
PATRICK WATTERS	NCDEHNR (site walk and meeting)
GREG SMITH	NCDOT, GEOTECH. DIV. (meeting only)
EDWARD WITORT	NCDOT, GEOTECH. DIV. (meeting only)
SANDRA STEPNEY	NCDOT, ROADWAY DESIGN (meeting only)
GREG BREW	NCDOT, ROADWAY DESIGN (meeting only)

**NOTES**

The 60% design review meeting was comprised of two parts including a site walk from 0900 hours to 1030 hours and a meeting at the offices of Camp Lejeune EMD from 1100 hours to 1400 hours.

**SITE WALK**

During the site walk, several significant items were discussed including the following:

**Excavation at building G-480**

- OHM expressed concern about the proposed excavation in the UST area located along the north side of Building G-480. Several above ground appurtenances are located above grade which are not depicted on the 60% design drawings. These include a 500-gallon heating oil tank, heat pump, and electric transformer. OHM indicated that if the limits of excavation were as depicted on Baker's drawings that the cost would be significant and that a disruption of activities could be expected at Building G-480 because of the need to temporarily take the tank, heat pump, and transformer out of service. OHM suggested that perhaps the area should be the subject of additional study to better define the limits of contamination prior to excavation.

Baker stated that additional investigation had been considered as was determined to be unnecessary. The intent in this area is to open the excavation where the tank was formerly located to remove contamination that is known to have been left behind at the time of tank removal. Baker is cognizant that the heating oil tank will need to be taken out of service temporarily, but does not believe that this will significantly disrupt the activities of Building G-480 because this work is not scheduled to commence until mid-May at the earliest, when the tank is not typically used. Baker indicated that the limits of the excavation indicated on the drawing were only approximate, and that they would need to

be scaled back on the drawings so as not to include the areas over which the heat pump and electric transformer are located, as it is not intended that these appurtenances be disturbed under this contract. If soil contamination is determined to extend beneath these appurtenances or Building G-480, additional investigation may be required and remediation will need to be completed under separate contract. Since this area is located outside the right-of-way of the proposed highway, contamination left in place will not impact future highway construction.

- OHM requested information regarding the foundation details of Building G-480. This information is important because the proposed excavation is in close proximity to the building.

**Action Item - Tom Morris, Camp Lejeune EMD, indicated he would check into this matter and report back to Baker. (Note: Construction plans for G-480 have been obtained and have been provided to both OHM and Baker the week of 10/24/94.)**

#### Wetlands Disturbance

- In the area of proposed excavation located in the vicinity of existing monitoring well MW-25, OHM and LANTDIV expressed concern regarding the disturbance of wetlands areas. Baker responded by stating that the specifications indicate that soil excavation is to occur in the vadose zone only, and for that matter, is limited to a zone that extends from the top of ground surface to within one to two feet of the estimated seasonal high groundwater. Excavation is, by design, prohibited from any wet zones, and therefore will not extend into areas classified as wetlands.

#### Location/Construction of Soil Staging Area

- OHM suggested that the Excavated Soil Staging and Contractor Laydown/Decontamination Areas depicted by Baker on Drawing C-2 as located between "E" and "F" Streets, north of Third Street, would be easier to construct if located north of Third Street, between "D" and "E" Streets.

**Action Item - Tom Morris, Camp Lejeune EMD, indicated he would check into the availability of the parcel located between "D" and "E" streets and report back to Baker. (Note: Tom Morris reports that neither of these suggested locations will be available for use as the Soil Staging Area. However, Camp Geiger will permit the use of a asphalt-covered area located to the north of First Street. This is the only area that will be available for our use. A map of this area is attached to these minutes for reference.)**

- OHM indicated that their typical staging area construction involves placement of a 50 ml PVC liner directly atop the existing grass and that no gravel is applied either beneath or atop the liner.

#### Temporary Roads

- OHM indicated that they do not anticipate constructing any temporary roads that will require gravel surfacing.

#### Roadway Restoration

- OHM inquired as to whether it would be necessary to restore the section of asphalt road along "F" Street shown on Drawing C-1 as being removed during excavation. This was questioned in lieu of the fact that the proposed right-of-way will be located virtually adjacent to this section of the road. Baker indicated that the specifications call for the disturbed section of the "F" street south of the Third Street to be rebuilt. OHM requested a cross-section of a typical asphalt road to be included with the drawings for reference.

**Action Item - Tom Morris, Camp Lejeune EMD indicated he would locate roadway construction details and report back to Baker. (Note: Construction plans for "F" street have been obtained and will be provided to both OHM and Baker the week of 10/24/94.)**

#### Proposed Highway Location

- Baker indicated that the location of the proposed highway right-of-way would be included on the drawings of the final 100% Design. Baker would formally request the most recent information on this matter from NCDOT at the meeting later this morning.

#### Monitoring Well Abandonment

- Baker indicated that OHM would be responsible for abandoning all existing monitoring wells disturbed by the excavation activities in accordance with North Carolina requirements. This work item was not identified in the 60% design, but would be included in the 100% design submittal.

#### OHM Mobilization

- In response to a Baker question, OHM indicated they would be mobilizing all equipment and personnel for this project out of their offices in Raleigh, North Carolina.

#### Temporary Fuel Storage Area

- In response to a Baker question, OHM indicated this project will likely require the construction of a temporary fuel storage area.

#### MEETING

The meeting was opened by Neal Paul, representing Camp Lejeune EMD, who provided a brief introductory remarks before introducing Dan Bonk, Project Manager for Baker. Dan Bonk presented the meeting purpose, background data including a history of previous investigations, and a discussion of the key elements of the 60% Design. The meeting was then opened to a discussion of issues of concern highlighted by the following:

#### Proposed Highway

- Regarding the proposed highway, NCDOT indicated that the latest design depicts it as a six- rather than four-lane divided highway. The expansion has occurred primarily to the east, or the Brinson Creek side, of the road.

**Action item - Sandra Stepney indicated she would get a copy of the latest plans, profiles, and cross-sections for Baker's review. Baker requested a copy on computer disk if possible along with a hard copy. (Note: Baker received this information on 10-11-94).**

#### Property Easement Versus Title

- The topic of NCDOT taking a right-of-way easement versus title to the property was discussed. NCDOT, Camp Lejeune, NCDEHNR, and LANTDIV representatives all indicated the need to consult their legal advisors regarding this issue.

#### Highway Design Issues

- NCDOT indicated that, based on results of their geotechnical investigation and discussion that took place at the project kickoff meeting held at Camp Lejeune on July 14, 1994, that no soil stabilization

is planned in the Site 35 area. The design incorporates the use of geotextiles to stabilize the subbase and that, at this time, no soil undercutting is anticipated.

- The design incorporates surface drainage ditches although no subsurface drains are presently planned in the Site 35 area. Baker indicated that it may request NCDOT consider incorporating a buried culvert or two into its design so as to provide a means for conveying utilities through the embankment from the Brinson Creek side to the Camp Geiger side and vice-versa. Such a conveyance artery will be needed to facilitate collection and treatment of contaminated groundwater under a future remediation plan. Sandra Stepney of NCDOT indicated a willingness to help with this type of concern and asked that such requests be directed to her. The cut-off date for potential changes to the highway design to incorporate the needs of the future groundwater remediation is around May 1995.

**Action Item - Sandra Stepney will provide Baker with complete up-to-date right-of-way drawings that will include drainage details. (Note: Baker received this information on 10-11-94).**

#### Site 35 Fuel Farm Demolition

- Lt. Steve Challeen indicated that the demolition of the Site 35 Fuel Farm is scheduled to commence no later than April 1995. It is anticipated that the project will require one month to complete. LANTDIV, Baker, and Camp Lejeune EMD emphasized that delays in demolition of the fuel farm could result in delays to the site remediation and proposed highway construction.

**Action Item - OHM requested that Baker make a clear stipulation on the design drawings that the removal of the fuel farm, foundations, underground piping, unloading pad, dispensing pumps, and fencing is to be performed by others.**

#### Excavation at Building G-480

- There was a follow-up discussion regarding the proper course of action at the site of the proposed excavation adjacent to Building G-480. OHM advocated additional study while Baker remained adamant that the area should be included for excavation although some scaling back of the area to be disturbed needs to be incorporated onto the design drawings. LANTDIV, BAKER, and Camp Lejeune personnel indicated that the issue will be discussed further in the next week or so. NCDOT was reassured that concerns associated with this area will not be allowed to impact the project schedule particularly in light of the fact that the area is outside of the proposed highway right-of-way.

#### Clearing Trees

- Lt. Challeen is responsible for coordinating clearing operations with the base forestry department. OHM asked if the forestry department. OHM asked if the forestry department would clear trees it was interested in prior to OHM's mobilization. Neal Paul indicated he would coordinate any such operations with Lt. Challeen.

**Action item - OHM inquired as to who would be responsible for the disposition of tops and roots of cleared trees. Neal Paul indicated he would get back to OHM regarding the disposition of trees resulting from OHM's clearing operations. (Note: The Forestry Division, Environmental Management Department, MCB Camp Lejeune, will remove the "board lumber," trees 6" diameter and larger, prior to 1 February 1995. The tops, roots, and other trees are to be transported by the contractor to the chipper, located at the Base Landfill.)**

#### Backfill

- Backfill is currently available near French Creek on the Hadnot Point side of Camp Lejeune. Another backfill area is near the Marine Corps Air Station (MCAS), however, it is not yet developed and

cannot be counted on to be available for this project. The backfill is provided at no cost to the project except that excavation and loading is the responsibility of the contractor. OHM is familiar with this borrow area and has accessed it on previous projects.

**Action Item - Lt. Challeen will check as to when the borrow area at MCAS will be available and will report this information to Tom Morris who can then relay it to Baker.**

**Action Item - Baker requested specific information be provided by NCDOT regarding the physical requirements for acceptable backfill material along with compaction requirements. (Note: Baker received some information from Greg Smith, NCDOT at the meeting and additional information from NCDOT on 10/12/94. It appears that this question has been sufficiently answered.)**

- In response to an OHM question, Baker indicated that the backfilled excavation is to be graded to match the surrounding slopes and that no topsoil cover will be required. In lieu of topsoil, the contractor shall hydroseed directly atop the graded soil surface.

**Action Item - In response to a question from Baker, Patrick Watters of NCDEHNR will check into whether there will be any requirement for chemical testing of backfill materials. Until notified otherwise, Baker will prepare the specifications under the assumption that there will be no chemical testing required. (Note: Patrick Watters confirmed that there is no requirement to test backfill material and relayed this information to LANTDIV in a phone conversation with Katherine Landman on 10/24/94. This information has been passed on to Baker.)**

#### Environmental Sampling and Analysis

**Action Item - NCDOT needs to have the results of any environmental sampling and analysis performed as a part of this project. Baker will incorporate into the specifications that a copy of the final project report be submitted to NCDOT.**

#### New Landfill South of Site 35

- Much discussion of the recently discovered landfill/surface disposal area south of Site 35 took place. NCDOT described it as about 30 feet by 150 feet in size. It appears to be a demolition debris area composed largely of broken concrete.

**Action Item - Lt. Challeen will double check into the history of the area and the landfill in particular and report back to Neal Paul. This information will be conveyed to Katherine Landman for distribution. (Note: This landfill appears to be the relocated Installation Restoration Program (IRP) Site #39 as identified in the Initial Assessment Study (IAS) for MCB Camp Lejeune (April 1983). Site #39, the Camp Geiger Construction Slab Dump, was one to two acres in size and was composed of concrete slabs from the bulldozing of building foundations. The IAS dropped this site from further study, concluding that it did not present any potential hazards since no hazardous wastes were involved at the site. Site #39 was originally located at the intersection of "D" Street and Second Street aboard Camp Geiger, and appears to have been relocated to its present location when the debris was moved to clear the area for a construction project. At this time, further environmental investigation does not appear to be necessary. Neal Paul will confirm this fact.)**

- NCDOT was questioned how they would proceed if future investigation of the area reveals no hazardous materials to be present. NCDOT indicated that they would probably take responsibility for excavating the landfill, but Camp Lejeune would have to provide them with a site for disposal of the excavated materials.

**Action Item - Sandra Stepney will check the scope of NCDOT's activities regarding the landfill and report back to Neal Paul who can relay the information to LANTDIV, if appropriate.**

Other Miscellaneous NCDOT Concerns

**Action Item - Neal Paul/Katherine Landman to provide Sandra Stepney with a copy of the signed ROD along with EPA and NCDEHNR concurrence letters. (Note: Concurrence letters were faxed to NCDOT by Camp Lejeune on 10/24/94 and a copy of the ROD was provided immediately following the meeting.**

- NCDOT inquired about the schedule and were told that as of now it is anticipated that the project will start May 1, 1995 and be complete July 1, 1995. OHM indicated that they would feel more comfortable with 90 days as the clearing and grubbing aspects of the project may require more time to complete than currently provided in a 60 day schedule. NCDOT indicated that they need clean-up to be complete prior to the initiation of the bidding process, which means that the construction of the highway cannot commence until one month after the completion of the remediation.

10/27/94

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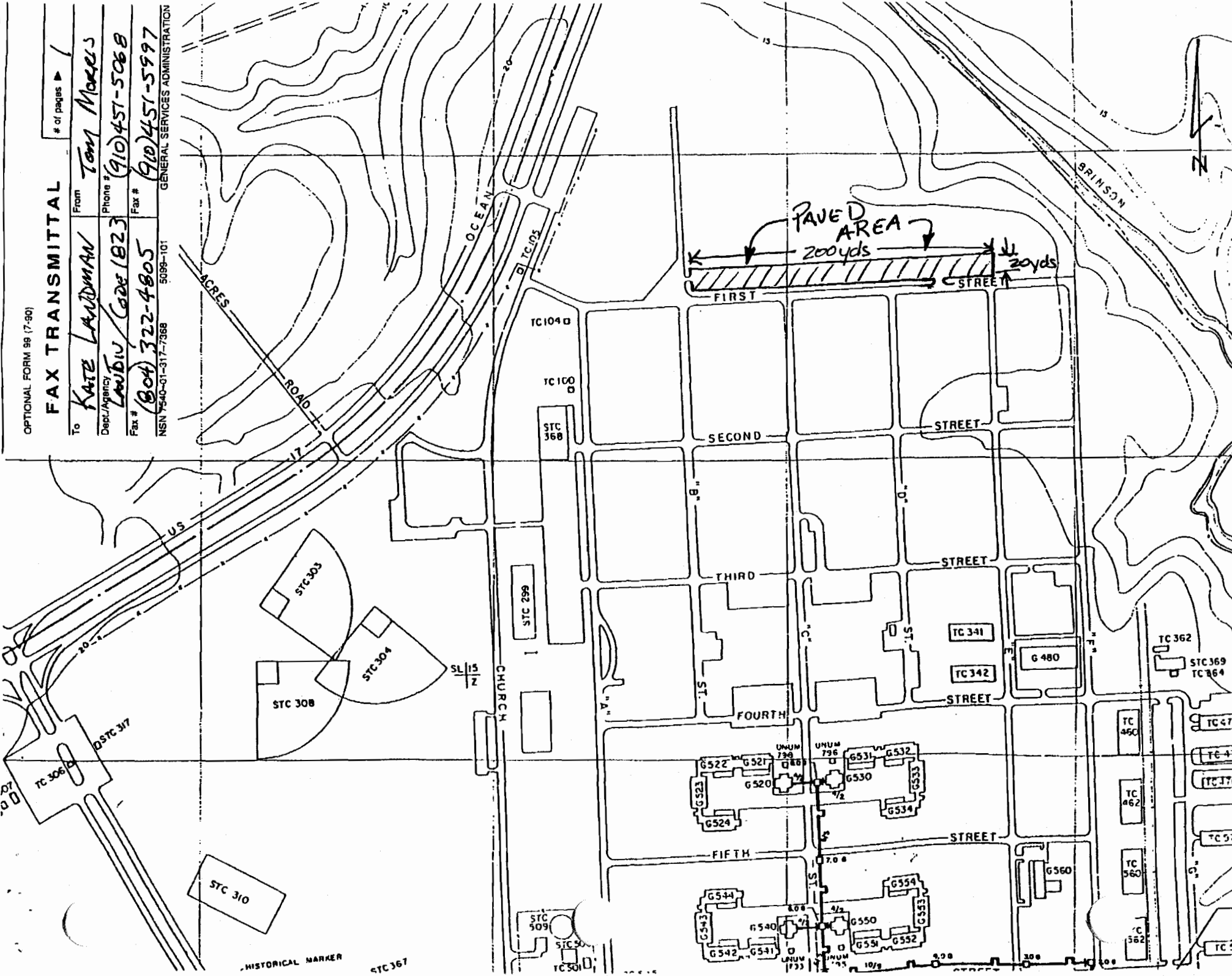
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To **Kate Laudman** From **Tom Moore**

Dept./Agency **Laudman Code 1823** Phone # **(910) 451-5068**

Fax # **(804) 322-4805** Fax # **(910) 451-5997**

NSN 7540-01-317-7388 5099-101 GENERAL SERVICES ADMINISTRATION





**MEETING MINUTES  
60% DESIGN REVIEW FOLLOW-UP  
MCB CAMP LEJEUNE, NORTH CAROLINA  
SEPTEMBER 29, 1994**

**ATTENDEES**

NEAL PAUL	CAMP LEJEUNE, EMD
TOM MORRIS	CAMP LEJEUNE, EMD
LT. STEVE CHALLEEN	CAMP LEJEUNE, ROICC
AL AUSTIN	CAMP LEJEUNE, FACILITIES
DAN BONK	BAKER ENVIRONMENTAL
JIM KLACIK	BAKER ENVIRONMENTAL
KATHERINE LANDMAN	LANTDIV
JERRY HASTE	LANTDIV
DWAYNE CURRIE	OHM
JON OVERHOLTZER	OHM
GREG WILFLEY	OHM
D. KENT GEIS	OHM
GARY FOSTER	OHM
PATRICK WATTERS	NCDEHNR

**NOTES**

The following are notes from the 60% design review follow-up meeting conducted immediately following the 60% design review meeting after representatives of NCDOT departed at approximately 1400 hours. This follow-up meeting continued until approximately 1500 hours.

**Wetlands**

- The issue of wetlands may have the largest impact on the schedule. NCDOT is known to still be negotiating with the Army Corps of Engineers on this matter. Dwayne Currie of OHM indicated his belief that the process could take as much as six months. Camp Lejeune is working with all parties to designate mitigation areas.

**Schedule**

- In order to make the current schedule, it is apparent that OHM would need to be contracted by 1/1/95, especially if OHM intends to complete the project in 90 rather than 60 days.

**Pre-Disposal Soil Testing Requirements**

- The specifications currently call for sampling of excavated soil at a rate of one composite sample per 500 cubic yards. Some discussion ensued as to whether or not this will be an acceptable method to determine if soil from the excavation identified as potentially clean can be returned to the excavation as backfill.

**Action Item - Patrick Watters of NCDEHNR will check with his department to determine if one sample per 500 cubic yards is acceptable for screening of potentially clean material for return to the excavation .**

- All agreed that the frequency of testing of contaminated soil will be determined by the requirements of the off-site facility accepting the material. Baker has written the specifications based on information gathered from a variety of off-site vendors.

**Action Item - Jerry Haste, LANTDIV, expressed concern that all categories of materials to be tested were not covered in the specifications. Baker will double check the specifications to cover this matter. (Note: Characterization of potentially contaminated material must ultimately be driven by (1) requirements of the receiving soil recycling facility, and (2) DOT requirements for the transport of hazardous waste. If testing beyond that which is outlined in the specifications is necessary to meet these requirements, the Contractor must be responsible for ensuring that LANTDIV is notified of the need for additional testing and that the appropriate tests are performed. Baker will ensure that the specifications adequately address this issue.)**

#### Weigh Scales

- Provisions for weigh scales currently in the specifications are not needed. Trucks will be weighed at the receiving soil recycling facility. OHM will be reimbursed by the ton for hauling to maximize truck loading.

**Action Item - Baker will modify the specifications to meet the above discussed issues regarding weigh scales. (Note: Any soil classified as hazardous waste based on analytical results will require the signing of a hazardous waste manifest prior transport. Before the manifest will be signed by the Base representative, the soil must be weighed at scales located at the Traffic Management Office (TMO). The TMO is located on the main side of the base, off of Holcomb Boulevard.)**

#### Survey

- Baker inquired of LANTDIV whether pre-construction and post-construction surveys will be required to determine quantities for payment. LANTDIV indicated that surveys are needed, but not for payment purposes. A pre-construction survey will be required to establish the initial limits of excavation. OHM will need to survey the area upon completion of all excavation and regrading activities so as to afford the preparation of separate as-built excavation and regrading drawings. The excavation of contaminated material will be paid by the ton as determined by the receipts from the off-site disposal facility. Payment for excavation of clean soil, backfilling, and compaction will be paid on hourly rates.

#### Fencing

- in response to a question from Baker, the specifications will reflect the assumption that temporary fencing will be required around all of the proposed excavations simultaneously.

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