



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

March 10, 2014

Transmitted via email only to: SterlingLM@CDMSmith.com

Lisa M. Sterling, P.E.
Project Manager
CDM Smith, Inc.
8381 Dix Ellis Trail, Suite 400
Jacksonville, Florida 32256

Subject: Trail Ridge Landfill Phase 6 Construction
Notification of Disturbance to Clay Cap for Geotechnical Investigations

Dear Ms. Sterling,

The Department of Environmental Protection (Department) has reviewed your notification, dated March 5, 2014, to conduct a geotechnical evaluation to assess the foundation for the proposed operations road to be constructed along the western face of existing Phases 1 through 5 at the Trail Ridge Landfill. The proposed geotechnical investigation will disturb the existing cap and will include the following:

1. Six hand-auger test holes will be drilled to a depth of approximately 4 feet along the existing side-slope along the anticipated operations road route. A 3-inch auger will be utilized for the work and drilling will penetrate through the vegetative top soil and protective cover (24-inch), clay cap (12-inch) and intermediate/daily cover (18-inch). Drilling will terminate at the interface between the intermediate/daily cover and compacted waste. Figure 1 of the enclosed notification from CDM Smith shows the proposed locations of the hand auger test holes.
2. The auger holes will be repaired with the excavated layer materials, including additional bentonite with the clay, and sod at each of the disturbed locations. Each of the soil layers will be placed and compacted in the hole.
3. During the geotechnical investigation, CDM Smith will assure that no other impacts occur to the landfill cap or gas management systems. The surrounding gas wells will be monitored and exposed areas will be covered the same day to minimize emissions of the landfill gas and to control odors. CDM Smith will also take pictures to document this

work and restoration efforts for the cap system. Once all the field work is completed, CDM Smith will submit a letter report to the FDEP notifying that the work is complete.

The Department has no objection you conducting the proposed activities as described above. If you have any questions, please contact Michael Dunaway, P.E., by phone at (850) 245-8741, or by e-mail at michael.dunaway@dep.state.fl.us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Richard B. Tedder", followed by a horizontal flourish line.

Richard Tedder, P.E.
Environmental Administrator
Solid Waste Section

Enclosure

cc: Jeff Foster (COJ) - JSFoster@coj.net
Greg Mathes (WMI) - GMathes@wm.com



8381 Dix Ellis Trail, Suite 400
Jacksonville, Florida 32256
tel: 904 731-7109
fax: 904-519-7090

March 5, 2014

Mr. Michael K. Dunaway
Florida Department of Environmental Protection
Solid Waste Section
2600 Blair Stone Road/MS 4565
Tallahassee, FL 32399

Subject: Trail Ridge Landfill Phase 6 Construction
Notification of Disturbance to Clay Cap for Geotechnical Investigations

Dear Mr. Dunaway:

The City of Jacksonville (City) is in the process of designing the expansion of the Phase 6 Class I Cell Expansion of the Trail Ridge Landfill (TRLF) in Duval County, Florida. As part of this expansion project, a new operations road will be built along the western face of existing Phases 1 through 5. A geotechnical evaluation will be required to assess the foundation for the proposed operations road. The geotechnical investigation will disturb the existing cap and will include the following:

1. Six hand-auger test holes will be drilled to a depth of approximately 4 feet along the existing side-slope along the anticipated operations road route. A 3-inch auger will be utilized for the work and drilling will penetrate through the vegetative top soil and protective cover (24-inch), clay cap (12-inch) and intermediate/daily cover (18-inch). Drilling will terminate at the interface between the intermediate/daily cover and compacted waste. See enclosed **Figure 1** showing the locations of the hand auger test holes.
2. The auger holes will be repaired with the excavated layer materials, including additional bentonite with the clay, and sod at each of the disturbed locations. Each of the soil layers will be placed and compacted in the hole.

This letter serves as a notification to the Florida Department of Environmental Protection (FDEP) for the outlined geotechnical work. During the geotechnical investigation, CDM Smith will assure that no other impacts occur to the landfill cap or gas management systems. The surrounding gas wells will be monitored and exposed areas will be covered the same day to minimize emissions of the landfill gas and to control odors. CDM Smith will also take pictures to document this work and restoration efforts for the cap system. Once all the field work is completed, CDM Smith will submit a letter to the FDEP notifying that the work is complete.





Mr. Michael K. Dunaway
March 5, 2014
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The work is scheduled to take place the week of March 10, 2014. If you have any questions or need further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Lisa M Sterling".

Lisa M. Sterling, P.E.
Project Manager
CDM Smith Inc.

Enclosures

cc: Jeff Foster (COJ)
Greg Mathes (WMI)

Xref's: [CDM_2436, EG_TRS TOPO, 11-008-BASE, C-BASE, CE-TRAILRIDGE EXPANSION TOPO] Images: []
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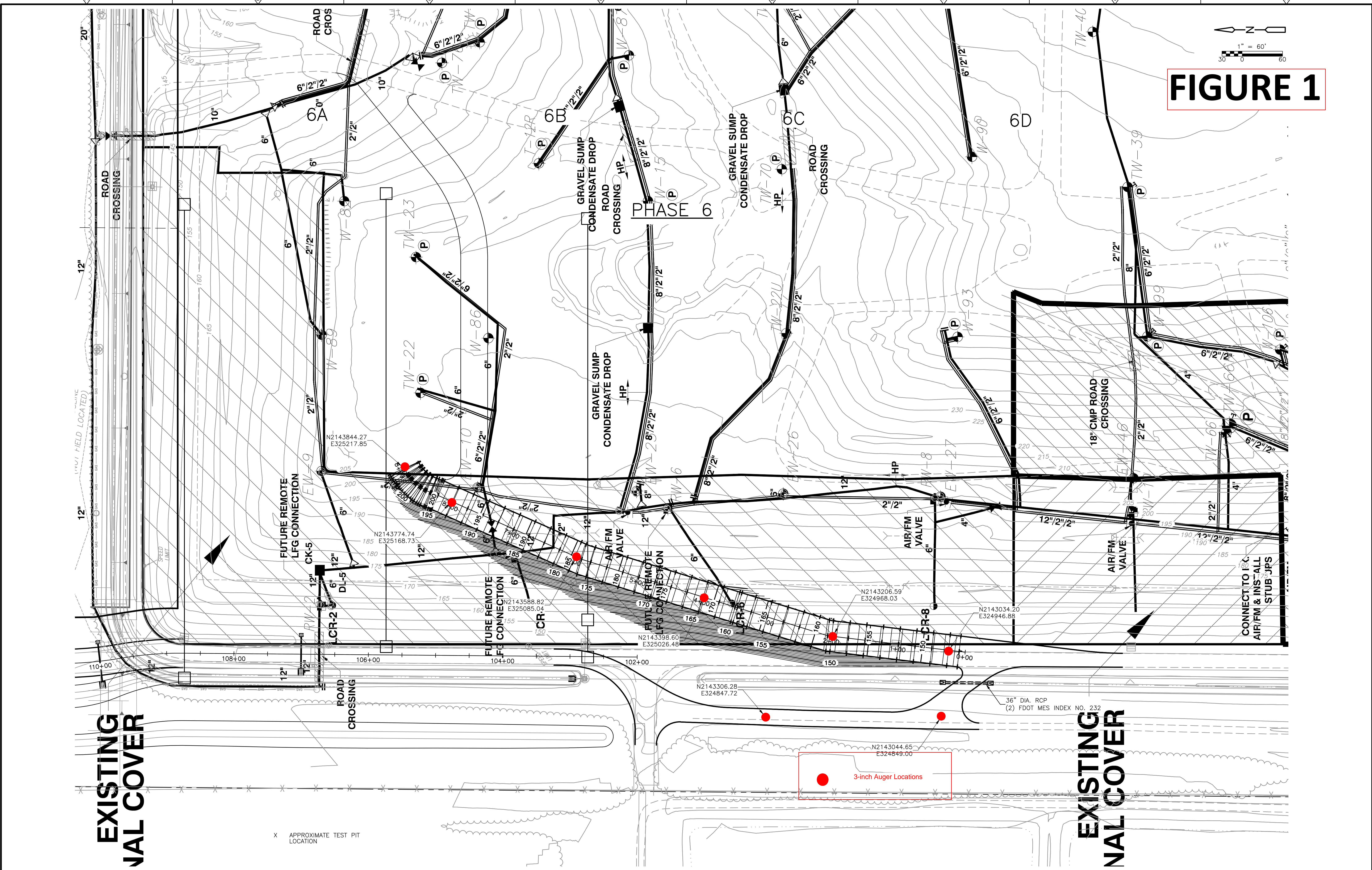


FIGURE 1

| REV. NO. | DATE | DRWN | CHKD | REMARKS |
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|-----------------|---------------|
| DESIGNED BY: | R. KADAMBALA |
| DRAWN BY: | B. CHAPMAN |
| SHEET CHK'D BY: | J. HOFFMAN |
| CROSS CHK'D BY: | A. SALEH |
| APPROVED BY: | J. LADNER |
| DATE: | FEBRUARY 2014 |

CDM Smith
8381 Dix Ellis Trail, Suite 400
Jacksonville, FL 32256
Tel: (904) 731-7109
FL CDA No. ED-0000020

CITY OF JACKSONVILLE
TRAIL RIDGE LANDFILL PHASES 6-14
CLASS 1 CELL EXPANSION

PROPOSED OPERATIONS ACCESS ROAD
PHASE 6

| | |
|-------------|------------|
| PROJECT NO. | 9012-80695 |
| FILE NAME: | C035PWFS |
| SHEET NO. | C-35 |