

# ABF Environmental

28200 Orchard Lake Road  
Suite 101, Farmington Hills, MI 48334

August 27, 2013

ABF Project Number: ABF-14-1547

Mr. Patrick Kresnak  
Corporate EHS Manager  
IAC Group North America  
28333 Telegraph Road  
Southfield, MI 48034

RE: May 2015 Quarterly Inspection Report  
Old Fort Landfill, Old Fort Township, McDowell County, North Carolina  
Permit# 56-03

Dear Mr. Kresnak:

This Quarterly Landfill Inspection Report is being submitted for the Old Fort Landfill referenced as Permit # 56-03 for the quarterly inspection completed in May 2015. On May 21, 2015, Robert Nowakowski of ABF Environmental mobilized to the Old Fort Landfill and generally found the exterior and interior features to be in good condition, as described below.

## Exterior Features

- The perimeter road “no trespassing” signs are present and legible, at 100 foot intervals, surrounding the landfill property along Parker-Padgett Road.
- The gate was found to be locked with no damage to its integrity.
- The access road was in good condition with minimal rutting.

## Interior Features - Landfill Cap

- The Phase 1 Cap is heavily wooded. There is some minor erosion in the center of the cap. There are also a few downed trees to remove. It is planned on remedying this in the spring of 2016 just after new growth occurs.
- The Phase 2 and Phase 3 Caps are in good condition, with a very minor area of erosion between the two caps in center of dome. Both caps have good vegetation, which was found to be approximately 2 feet tall at the time of inspection. The repairs will be made to the erosional rutting and the he grass will be cut in the fall of 2015.
- The perimeter ditch was found to be in good condition throughout its length. A few plastic bottles were removed from the western end.

## Landfill Structures

- All Grass-Lined Channels were found to be in good shape.
- Rip Rap Channels were found to be in good shape.

Landfill Structures (continued)

- All Detention Basins were found to be in good shape.
- All Permanent Diversions were found to be in good shape.
- All Outlet Stabilization Structures were found to be in good shape.
- All Inlet Protection Structures were found to be in good shape.
- All Rock Dams were found to be in good shape.
- All Edge of Waste signs are present.

Existing Monitoring Wells

- All five Monitoring Wells are present and in good condition
- All four Surface Water Sampling points are marked.

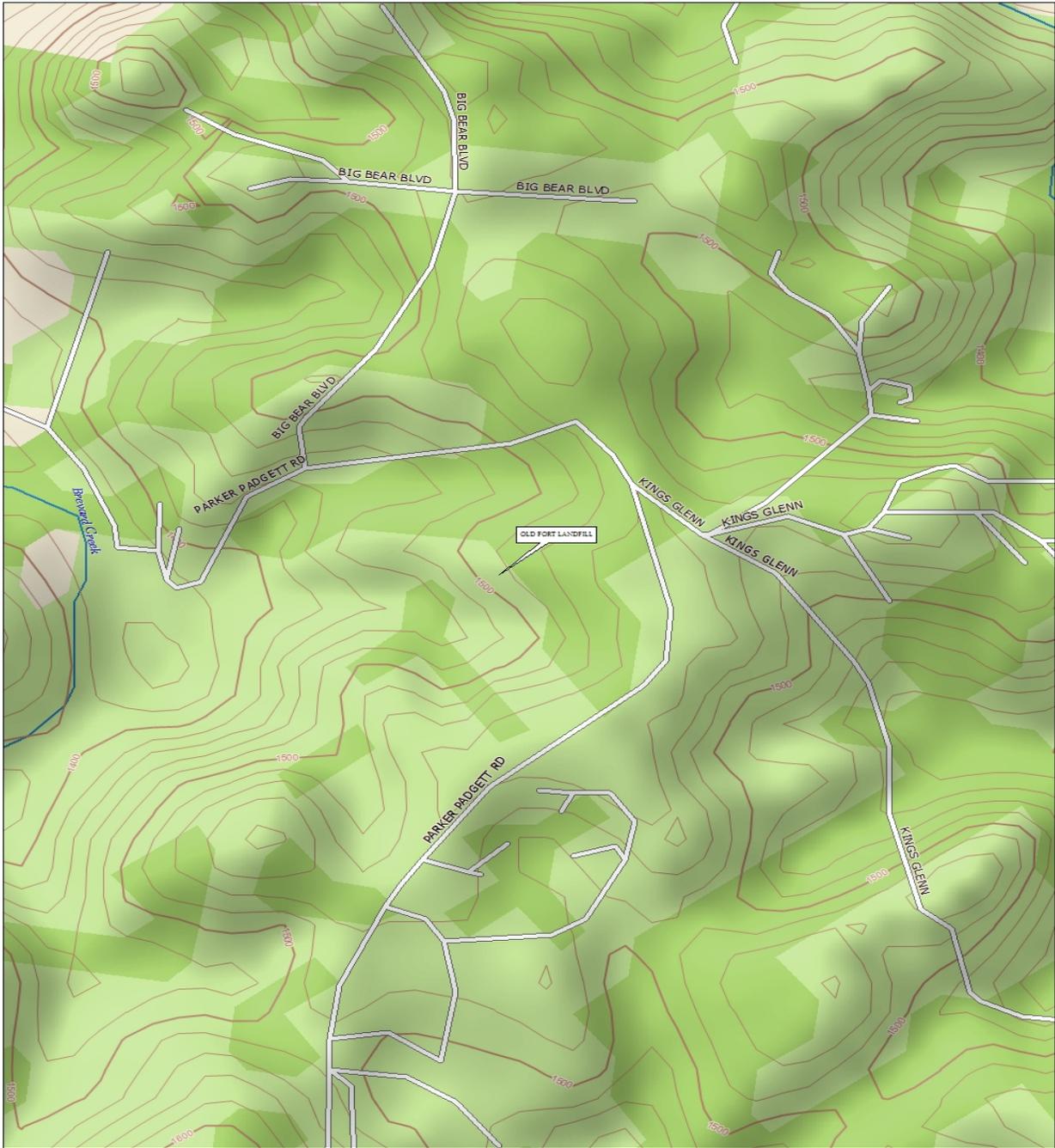
As indicated above, the only immediate remedial tasks are to make light surface repairs and revegetate a small area between Phase 2 and Phase 3 Caps, and complete a mowing event. This will be completed in the fall of 2015. The repairs to the Phase I Cap and tree removal from the surface of Phase I Cap will be completed in the spring of 2016. Refer to the attached Figures for the location of the pertinent landfill features along with the May 2015 Landfill Inspection Record included in the Tables. In addition, refer to Appendix A for the photographic record of the inspection. If you have any questions or comments, please do not hesitate to contact us at (248) 219-9228.

Sincerely,

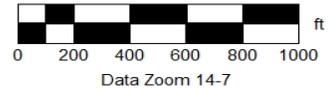


Robert Nowakowski, CPG  
Environmental Director

## **FIGURES**



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*Property Lines Shown are Approximate*

<p><b>SITE LOCATION MAP</b>  <b>Figure 1</b></p>	<p>SOURCE: USGS Delorme 2008          SCALE: 1" = 1,000 Feet Approx</p>	
<p>CLIENT: IAC GROUP NA</p>	<p>SITE: <b>OLD FORT LANDFILL</b></p>	

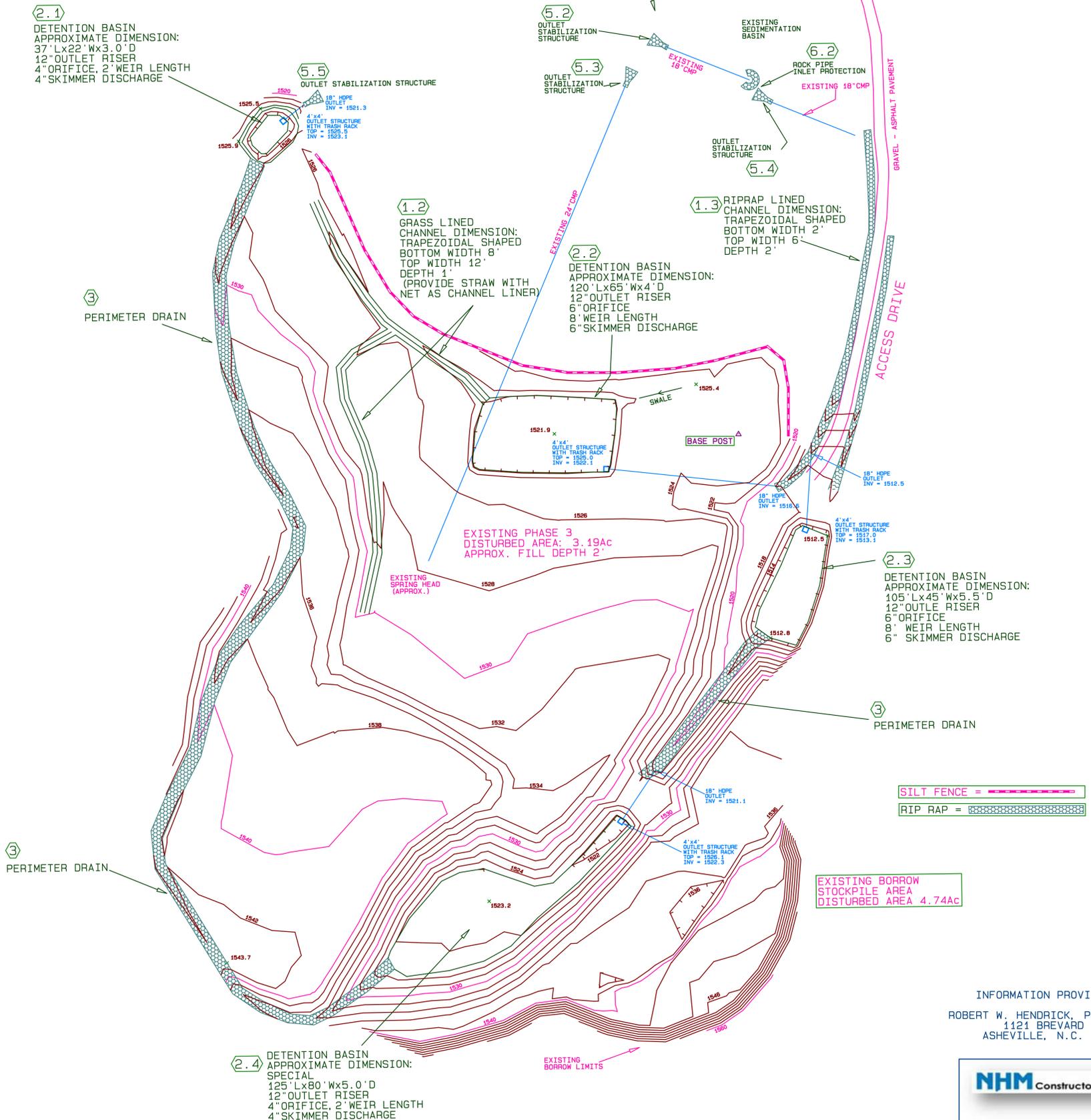


# SOIL EROSION & SEDIMENT CONTROL OF OLD FORT LANDFILL

OWNER: IAC GROUP NORTH AMERICA  
 1240 PARKER PADGETT RD.  
 OLD FORT,  
 MCDOWELL COUNTY,  
 NORTH CAROLINA

SCALE 1"=50'  
 0 50 100 150  
 DATE: MAY 12, 2014

I, ROBERT W. HENDRICK, STATE THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION; FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION; THAT THIS GPS SURVEY WAS PERFORMED TO THIRD ORDER CLASS II, FGCC SPECIFICATIONS, REAL-TIME KINEMATIC GPS FIELD PROCEDURES WERE USE, AND COORDINATES WERE OBTAINED BY TRIMBLE SC990 LOCALIZATIONS ADJUSTMENT. THAT THIS SURVEY WAS PERFORMED ON MAY 12, 2014, USING TRIMBLE SPS852 AND SPS882 RECEIVERS, AND ALL COORDINATES ARE BASE ON A LOCALIZED COORDINATE SYSTEM.



INFORMATION PROVIDED BY:  
 ROBERT W. HENDRICK, PLS (L-3825)  
 1121 BREVARD RD.  
 ASHEVILLE, N.C. 28816



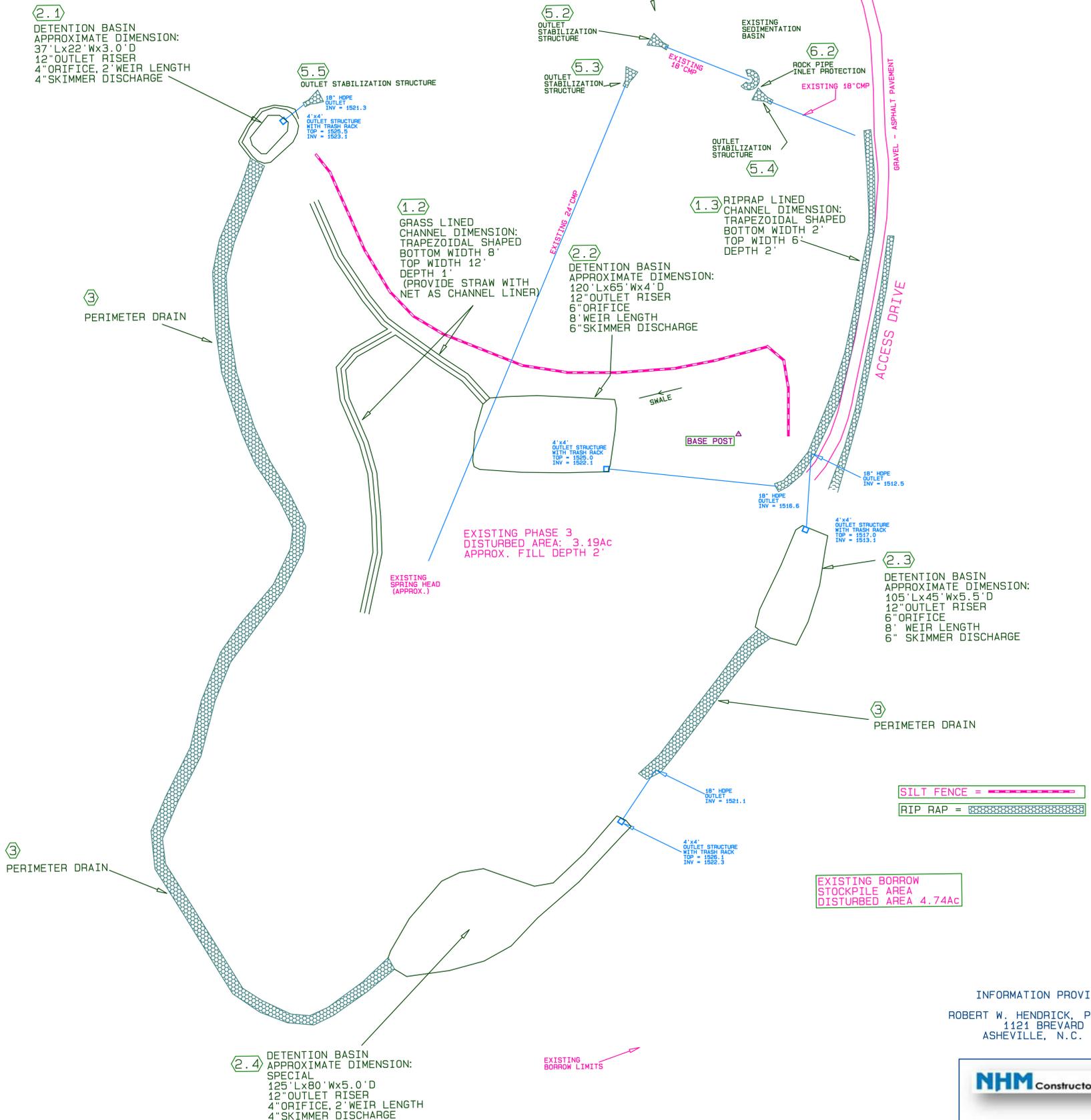


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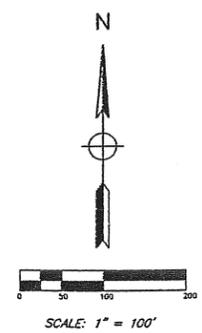


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 ASHEVILLE, N.C. 28816



# OLD FORT LANDFILL

## OLD FORT TOWNSHIP, McDOWELL COUNTY, NORTH CAROLINA



BY	MARK	REVISIONS	DATE
<small>THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THE SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREIN IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.</small>			
<b>OLD FORT LANDFILL</b> McDOWELL COUNTY, NORTH CAROLINA			
		<small>ST. JOHNS OFFICE                  1400 Zeeb Drive                  St. Johns, MI 48879                  Tel. 989-224-2353                  Fax. 989-224-2357                  www.SpicerGroup.com</small>	
DE. BY:	CH. BY:	PROJECT NO.	
DR. BY: <i>JEJ</i>	APP BY:	119793SG2012	
STDs.	SHEET 1 OF 3		
DATE	MAY, 2012	FILE NO.	JDR-2264-01
SCALE	AS SHOWN		

## **TABLES**



Table 1 - Landfill Inspection Record - IAC Industrial Landfill

**SECTION 2 - INSPECTION OF VEGETATED AREAS (PHASES 2 and 3)**

	Pass	Corrective Action Required (describe below)
Slope Stability	✓	_____
Vegetation	✓	_____
Erosion	✓	_____
Ditches	✓	_____

**Corrective Action:** Very light erosion between Phase I  
and Phase II near center. Repairs not needed  
yet but will likely make repairs in fall

The erosion from initial ATV use after capping,  
but ATVs not using site now.

**Comments:**

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Table 1 - Landfill Inspection Record - IAC Industrial Landfill

**SECTION 3 - INSPECTION OF CLOSURE FEATURES (Phase 2 and 3)**

	Pass	Corrective Action Required (describe below)
1.1 Phase 2 Grass Lined Channel	✓	_____
1.2 Phase 3 Grass Lined Channel	✓	_____
1.3 North Rip Rap channel	✓	_____
2.1 Phase 2 Detention Basin	✓	_____
2.2 Phase 3 Detention Basin	✓	_____
2.3 North Channel Detention Basin	✓	_____
2.4 Detention Basin	✓	_____
3.0 Perimeter Drain	✓ *	<u>some plastic bottles,</u> <u>removed from trench</u>
4.1 Phase 2 Permanent Diversion	✓	_____
4.2 Phase 3 Permanent Diversion	✓	_____
5.1 Outlet Stabilization Structure	✓	_____
5.2 Outlet Stabilization Structure	✓	_____
5.3 Outlet Stabilization Structure	✓	_____
5.4 Outlet Stabilization Structure	✓	_____
5.5 Outlet Stabilization Structure	✓	_____
6.1 Rock Pipe Inlet Projection	✓	_____
6.2 Rock Pipe Inlet Projection	✓	_____
6.3 Rock Pipe Inlet Projection	✓	_____
7.1 Rock Dam	✓	_____
7.2 Rock Dam	✓	_____
7.3 All Edge of Waste Signs	✓	_____



**SECTION 4 - INSPECTION OF PHASE 1 CELL**

	Pass	Corrective Action Required (describe below)
Perimeter Road	<u>✓</u>	_____
Edge of Waste Signs	<u>✓</u>	_____
Cap Slope Stability	<u>✓</u>	_____
Cap Integrity	<u>✓</u>	<u>Some minor erosion</u> <u>was</u>
Vegetation overgrowth	<u>✓</u>	_____
Trees to remove (dead or compromised)	<u>✓</u>	<u>only a few</u>
Perimeter Drainage	<u>✓</u>	_____
Drainage Basin	<u>✓</u>	_____

**Corrective Action:**

Some minor erosion - will remove two trees  
and repair cap in Spring 2016

**Comments:**

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



**APPENDIX A**  
**PHOTOGRAPHIC RECORD**



Photo A – Light cap erosion between Phase I and Phase II looking south



Photo B – Typical Edge-Of-Waste signage around landfill



Photo C – Cap looking northeast towards embankment



Photo D – General view of cap looking southwest