Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 20, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Cloudy Rainy, 70 degrees

Summary of Activities and Test Results:

Arrived on site at approx. 9AM to witness the pressure testing of the force main currently underway. Contractor had started the test at 8:45 and pressurized the force main to 200psi. Checked back at 10:45 and the psi had not dropped below 200 psi. Temple crew was also working on miscellanous item on the wetwell.

WECC 's crew was working to excavate the area for the concrete holding tanks. They were also jack hammering out some existing concrete at the lower truck bay of the transfer station to install protective bollards. The concrete sub was working to dry the transfer station floor for topping placement tomorrow morning.

pictures attached.

Copies: file book

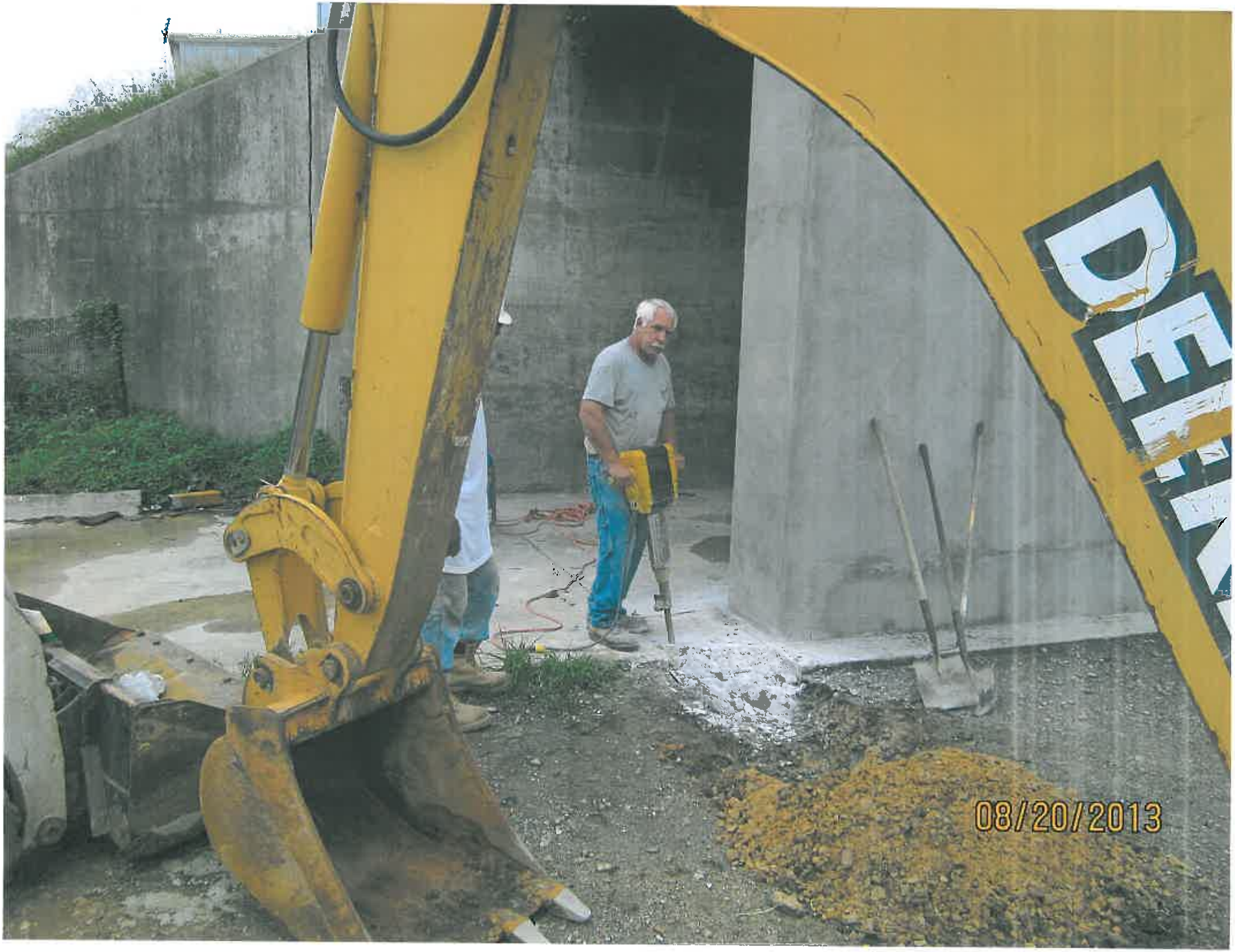
Signature:

300
200
400
20
10
30
1100
500
0
BAR
100xkPa
psi
08/20/2013

CAT
CAT
08/20/2013

08/20/2013

SUBMERSIBLE MOTOR IN WATER OR SEWAGE
EXPLOSION PROOF ELECTRIC MOTOR FOR USE IN HAZARDOUS LOCATIONS
FM
APPROVED CLASS I, DIVISION 1 GROUP C & D
CAT. NO.
SN
HP
RPM
PHASE
VOLTS
FLA
SFA
INSULATION CLASS
CODE
LOCKED ROTOR CODE LETTER
OPERATING TEMP. CODE
IMPELLER DIA.
25
MOTOR DESIGN LETTER
TIME RATING-CONTINUOUS
MAX. FLUID TEMP. 40°C.
DEPTH RATING 65 FEET, MOTOR HAS SEAL LEAK PROBE
MOTOR PROTECTION TO BE PROVIDED BY INSTALLER.
TO REDUCE RISK OF ELECTRICAL SHOCK SEE INSTALLATION MANUAL FOR PROPER INSTALLATION. SERVICE AND INSTALLATION SHALL BE CONDUCTED BY EXPERIENCED PROFESSIONALS ONLY. THIS PUMP HAS NOT BEEN INVESTIGATED FOR USE IN SWIMMING POOL OR MARINE AREAS.
ASSEMBLED IN USA
Myers
F.E. Myers
Pentair Pump Group, Inc.
Ashland, Ohio
08/20/2013


08/20/2013

08/20/2013

08/20/2013

300
200
400
20
10
30
1100
500
0
BAR
100xkPa
psi
08/20/2013

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 22, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 of 1

Weather Conditions: Partly Cloudy, 68 degrees

Summary of Activities and Test Results:

Arrived onsite at approx. 4:20 am. C&C were prepping floor for Eucotop installation. Scott Eldridge, Ralph Barile, and Dave Popa (Eucotop) were present to observe and assist with the installation. Pouring began around 4:40 am. Mr. DePc Mr. Popa offer instructions as he observed mixes that did not meet his specifications. C&C was appling a epoxy bonding agent prior to the Euco-top installation. 1.5" wood slats were utilized to gauge installation thickness and aid in scree.

A monthly progress meeting was held at approx. 8 am until 10 am. Topping installation continued until approx. noon. C&C stayed onsite to finish the topping and saw cut to match the underlying saw pattern. Upon completion, a curing compound was applied, the topping wetted down, and a plastic cover applied.

pictures attached.

Copies: file book
Amanda Bader

Signature:

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Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 26, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 **of** 1

Weather Conditions: Partly Cloudy, 68 degrees

Summary of Activities and Test Results:

Arrived onsite at 7:30 am. Met with Ralph Barile. We discussed the progress made on last Thursday and Friday. Ralph indicated they kept the concrete poured last Friday wet with soaker hoses and covered in plastic to try and minimize the occurance of shrinkage cracks with the portland only mix. Tanks have been set with the tank tie-in to the manhole left to complete. The sidewalk to the attendants room is to be poured today.

pictures attached.

Copies: file book
Amanda Bader

Signature:

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Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 27, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on site in afternoon to check on progress at the site. WECC had cut asphalt near inlet at Transfer Station for repair. Also working on grading area around break room for yard hydrant. C&C working on grinding bottom of tipping floor edge and preparing for sidewalk pour.

pictures attached.

Copies: file book

Signature:

08/27/2013

08/27/2013

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 28, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on site in afternoon to check on progress at the site. WECC poured a section of concrete at Transfer Station berm near inlet and installed the yard hydrant near break room. WECC also fine grading south slope at convenience center. C&C working on general cleanup items.

Copies: file book

Signature:

10/29/2013

10/29/2013

C. Tyrus Clayton, Jr., PE

From: Amanda Bader [abader@harnett.org]
Sent: Thursday, August 29, 2013 4:28 PM
To: 'C. Tyrus Clayton, Jr., PE'
Subject: RE: Transfer Station
Attachments: image001.gif

I'm ok with the product with two conditions.

I'd like ECS to observe the application of the product. I'd like to have a 2-yr bonded warranty for replacement of concrete to get us through a few freeze thaw cycles.

From: C. Tyrus Clayton, Jr., PE [mailto:tyrus@ctclayton.com]
Sent: Thursday, August 29, 2013 3:05 PM
To: Amanda Bader
Cc: ryan@ctclayton.com
Subject: RE: Transfer Station

Do you want to change the date/time on the punch?

Yes, I received an email back from Scott Dowell (attached) indicating he agreed with the product selection. I also talked to Mingo Crowley on the phone yesterday. Mingo has used this product several times with good success. In one application it was on an industrial floor that receives heavy duty fork lift traffic every day. With this reference and the one I received earlier from Larry Massengil, PE, I suggest we allow them to use the product.

I have also called and emailed Dave Popa, the Euclid rep with questions on pH resistance and the life expectancy. So far he has not responded.

Questions for you: Do agree on allowing the product application? Do you think we need to ask for more than the standard 1-year product/installation warranty?

C. Tyrus Clayton, Jr., PE
Vice President
Clayton Sr., P.E., Inc.
Civil & Environmental Engineering

46 W. Washington St.
Coats, NC 27521
910-897-7070
910-897-6767 fax
919-795-6302 mobile/vmail

From: Amanda Bader [mailto:abader@harnett.org]
Sent: Thursday, August 29, 2013 2:14 PM
To: Tyrus Clayton (tyrus@ctclayton.com)
Cc: Randy W. Smith
Subject: Transfer Station

There is a Board meeting Tuesday at 9:00 that I will probably need to attend. I will not be present to punch out the transfer station.

Did you check with ECS about the shrinkage cracks and their thoughts on the product?

Amanda L. Bader, PE, LEED AP
County Engineer
Harnett County Engineering and Facilities Management
P.O. Box 2773
Lillington, NC 27546
Ph. 910-814-6156
Fax 910-814-4041

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3392 / Virus Database: 3211/6619 - Release Date: 08/29/13

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3392 / Virus Database: 3211/6619 - Release Date: 08/29/13

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 29, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on site in afternoon to check on progress at the site. WECC continued with general site cleanup removing concrete washout material from the transfer station area. WECC had set form for remainder of sidewalk / yard hydrant pour.

Copies: file book

Signature:

C. Tyrus Clayton, Jr., PE

From: C. Tyrus Clayton, Jr., PE [tyrus@ctclayton.com]
Sent: Friday, August 30, 2013 11:05 AM
To: 'seldridge@weccinc.com'
Cc: 'Ryan Sadler'; 'Amanda Bader'; 'C. T. Clayton, Sr., P.E.'; 'ttheisen@candc-constructionservices.com'; 'SDowell@ecslimited.com'; 'MCrowley@ecslimited.com'
Subject: Dunn Erwin Landfill- Cracks and Dural 50 LM
Attachments: image001.gif

Scott,

Both our firm and the Owner has reviewed the proposal to use the Dural 50 LM to seal the shrinkage cracks on outer apron at the Transfer Station. It is our opinion that the cracks occurred due to improper care immediately after the pour occurred.

We approve the use of the Dural 50 LM as a remedial effort in lieu of remove and replacement under the following conditions:

1. Manufacturer's recommended installation methods are to be followed
2. Sand is incorporated in the final surface for additional slip resistance
3. A 2-year bonded warranty is offered on the installation and product (both the Dural and the concrete) to allow for the product to get thru at least two winter (freeze/thaw) cycles
4. ECS will need to be onsite to observe the placement

Prior to full application, we would like to see a test application put down on a small area. Ralph can coordinate this location in the field.

Feel free to call or email to discuss further

C. Tyrus Clayton, Jr., PE
Vice President

Clayton Sr., P.E., Inc.
Civil & Environmental Engineering

46 W. Washington St.
Coats, NC 27521
910-897-7070
910-897-6767 fax
919-795-6302 mobile/vmail

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Tracking:

Recipient	Read
'seldridge@weccinc.com'	Read: 8/30/2013 11:30 AM
'Ryan Sadler'	
'Amanda Bader'	
'C. T. Clayton, Sr., P.E.'	
'ttheisen@candc-constructionservices.com'	
'SDowell@ecslimited.com'	
'MCrowley@ecslimited.com'	Read: 8/30/2013 11:41 AM

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	August 30, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on-site in afternoon to check on progress at the site. WECC continued with general site cleanup and grading/seeding around the transfer station area. C&C performing cleanup work.

Copies: file book

Signature:

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SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 2, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on-site in afternoon to check on progress at the site. WECC continued with general site cleanup and moving of bin blocks and remainder of Eucotop material from Transfer Station area.

Copies: file book

Signature:

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SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 3, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on-site in afternoon to check on progress at the site. WECC continued with general site cleanup and seedind and mulching. Met with Tyrus Clayton and Scott Eldridge and discussed flow pattern at Transfer Station. Water from the yard hydrant was sprayed onto the tipping floor and water was observed exiting the tipping floor onto the approach apron SE corner. It was discussed that two of the saw cut squares would need to be removed and replaced to remedy the situation. It was also noted that water overtopped the berm on the apron in a few spots.

pictures attached

Copies: file book

Signature:

09/03/2013

09/03/2013

09/03/2013

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Civil & Environmental Engineering
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Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 4, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on-site in afternoon to check on progress at the site. WECC continued with general site cleanup and punchlist items. C&C onsite removing the two squares of concrete/Eucotop at SE corner of Transfer Station.

Copies: file book

Signature:

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Civil & Environmental Engineering
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Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 5, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 90 degrees

Summary of Activities and Test Results:

Arrived on-site in afternoon to check on progress at the site. WECC continued with general site cleanup and punchlist items. C&C onsite removing & replacing two squares of concrete/Eucotop at SE corner of Transfer Station. Sidewalk has been poured and finished. Asphalt crew onsite completing paving.

The County's crew had removed the trash compactor and was cleaning up debris from the area.

Copies: file book

Signature:

03/05/2013

03/05/2013

03/05/2013

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Civil & Environmental Engineering
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SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 6, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 85 degrees

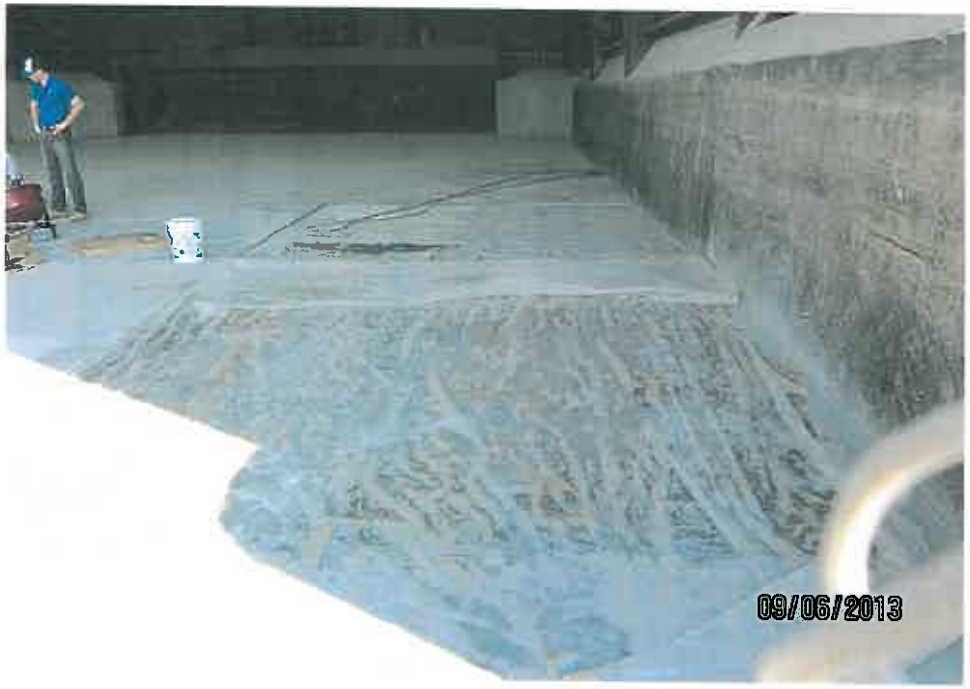
Summary of Activities and Test Results:

Arrived on-site in afternoon to check on progress at the site. WECC continued with general site cleanup and punchlist items. C&C onsite removing & replacing two squares of concrete/Eucotop at SE corner of Transfer Station and also removing concrete at trench drain. WECC also seeding and mulching.

pictures attached

Copies: file book

Signature:


09/06/2013

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09/06/2013

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SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 9, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Overcast, 85 degrees

Summary of Activities and Test Results:

Arrived on-site in the morning to review construction activities. The concrete installer had completed remedial work on the two squares of Apron/Eucotop that did not meet design and was pressure washing the apron for installation of Dural 50 sealant later in the day. Concrete installer was also removing the trench drain that was not per design. I met with Ralph and we laid out the demensions for the revised installation.

I took pictures of the cracks in the Eucotop and sketched their locations for email to Euclid rep.

I returned in the late afternoon and witnessed the installation of the Dural 50 sealer. ECS rep, Mr. Randy Smith and Ralph Barile were onsite as well. As the material was being applied (squeegied) I began to notice that there would not be enough material to do all of the apron. I asked Ralph about it and he stated that they had not planned on covering the upper section (last row of sawcut squares leading into transfer station) as he said it did not contain cracks. I began looking at the squares and they did indeed have several hairline cracks visible. Having not enough material, the subcontractor was only able to fill the cracks as I pointed out and did not provide full coverage of all the squares or outer curbing.

pictures attached.

Copies: file book

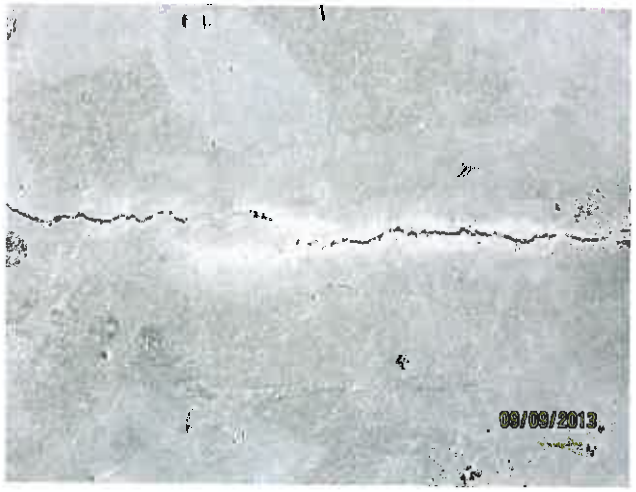
Signature:

09/09/2013

09/09/2013

09/09/2013

09/09/2013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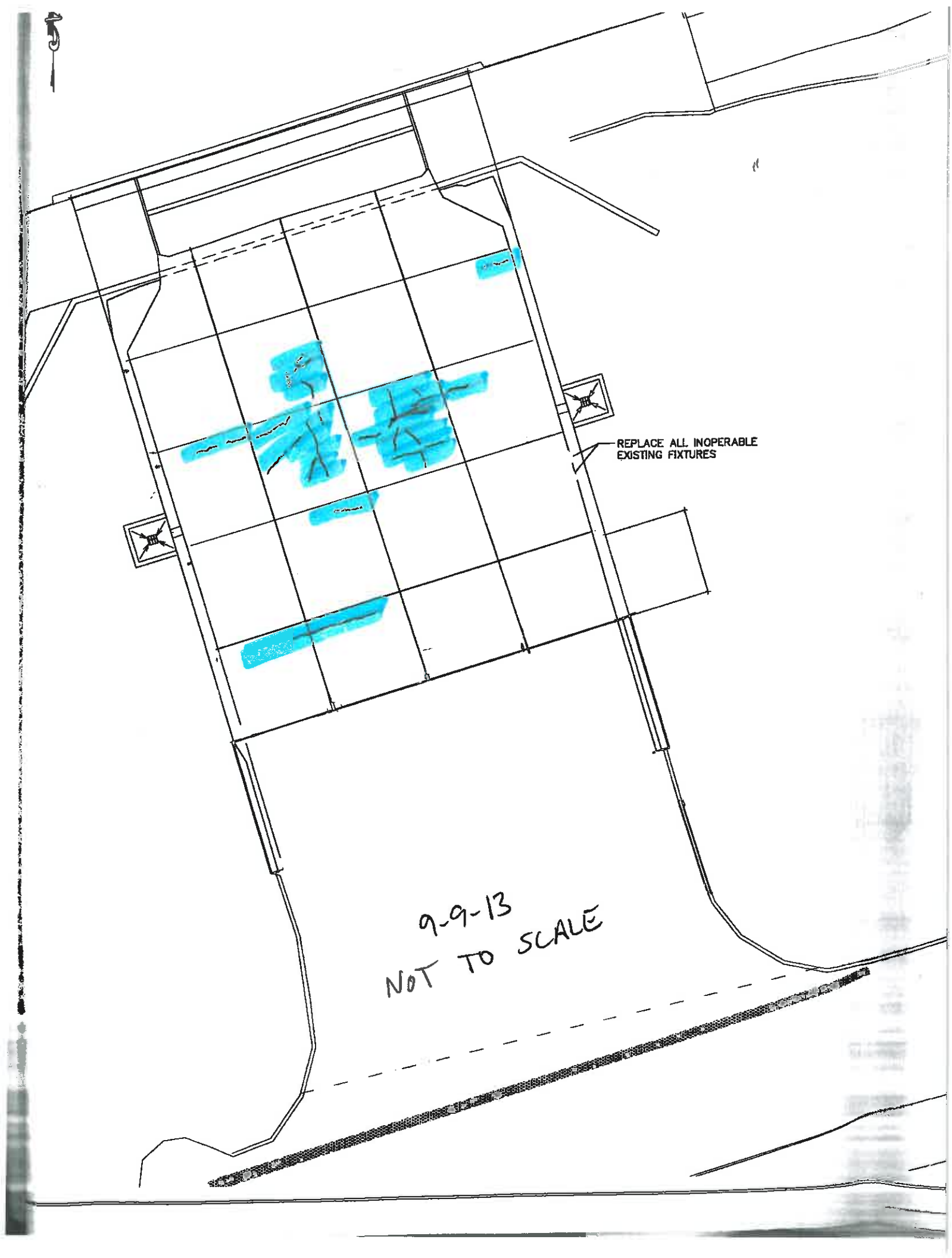
30/09/2013


REPLACE ALL INOPERABLE
EXISTING FIXTURES
9-9-13
NOT TO SCALE

DURAL 50 LM 2:1 CONTRACTOR KIT

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SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 10, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Overcast, 80 degrees

Summary of Activities and Test Results:

Arrived on-site in the afternoon to review construction activities. Contractor was working on final punch list items and general clean-up. Concrete subcontractor was placing rebar and trench drain for pour. I verified the amount of fall and described the layout of the berm. The trench drain was being tied in with rebar and wire so that it would not float this time around. Took pictures of site activities.

pictures attached.

Copies: file book

Signature:

09/10/2013

09/10/2013

09/10/2013

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Coats, NC 27521

SITE VISIT REPORT

Project:	Dunn Erwin Landfill CAP Projects		
Job No.:	3002B	**Date:**	September 11, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 of 1

Weather Conditions: Partly Cloudy, 82 degrees

Summary of Activities and Test Results:

Arrived onsite at approx 9:00 am. Dave Popa was already present and inspecting the cracks in the Eucotop. Ralph Barille and Scott Eldridge arrived shortly thereafter. Mr. Popa indicated the saw cut joints were necessary and would not impact the performance of the EucoTop. We discussed the cracks that have appeared in the floor. Mr. Popa observed that all the cracks were centrally located with the exception of one linear crack that mirrored a saw cut joint. Mr. Popa stated he did not know why the cracks only appeared in the location. We observed a oily residue along each crack. Mr. Popa could not identify the substance. We discussed the need to seal the entire EucoTop with Dural 50 LM or another type of sealant. Mr. Popa indicated he saw no need to coat the entire EucoTop floor. Mr. Popa also indicated in order to be sure of the cause of the cracking, cores would have to be taken and tested and may take up to 6 weeks to get results. Mr. Popa stated he would email out a letter based on his findings and opinions tomorrow.

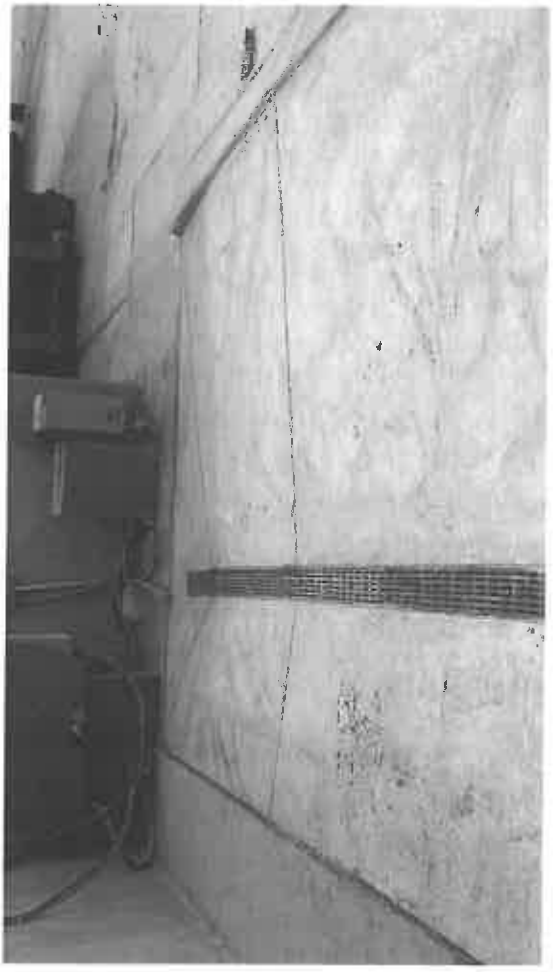
After Mr. Popa's departure, we observed and discussed the Dural 50 LM application that was completed earlier. Several cracks have not received sealant along the curbing and in the section underneath the building. The overall appearance of the sealant application appears to be uneven and not uniform. There are gaps in the coverage. Mr. Eldridge asked that we re-visit the need to coat the entire section not completed. I indicated I would revisit this with ECS.

A discussion was held concerning the performance of the diversion berm. The washdown hose was used to observe the performance. During heavy flows the water overtops the berm in two locations. In addition, water is passing through the saw cut joints. The bottom of the berm appears to have a high spot immediately downstream of the second overflow location. Mr. Barille discussed a possible means to raise the berm with a keyed in EucoTop application. It was determined to seal the saw cuts and re-evaluate.

pictures attached. (video on file of berm performance test)

Copies: file book

Signature: C Jm Clyff



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46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project:	Dunn Erwin Landfill CAP Projects		
Job No.:	3002B	**Date:**	September 11, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 **of** 1

Weather Conditions: Partly Cloudy, 82 degrees

Summary of Activities and Test Results:

Arrived onsite at approx 9:00 am. Dave Popa was already present and inspecting the cracks in the Eucotop. Ralph Barille and Scott Eldridge arrived shortly thereafter. Mr. Popa indicated the saw cut joints were necessary and would not impact the performance of the EucoTop. We discussed the cracks that have appeared in the floor. Mr. Popa observed that all the cracks were centrally located with the exception of one linear crack that mirrored a saw cut joint. Mr. Popa stated he did not know why the cracks only appeared in the location. We observed a oily residue along each crack. Mr. Popa could not identify the substance. We discussed the need to seal the entire EucoTop with Dural 50 LM or another type of sealant. Mr. Popa indicated he saw no need to coat the entire EucoTop floor. Mr. Popa also indicated in order to be sure of the cause of the cracking, cores would have to be taken and tested and may take up to 6 weeks to get results. Mr. Popa stated he would email out a letter based on his findings and opinions tomorrow.

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A discussion was held concerning the performance of the diversion berm. The washdown hose was used to observe the performance. During heavy flows the water overtops the berm in two locations. In addition, water is passing through the saw cut joints. The bottom of the berm appears to have a high spot immediately downstream of the second overflow location. Mr. Barille discussed a possible means to raise the berm with a keyed in EucoTop application. It was determined to seal the saw cuts and re-evaluate.

pictures attached. (video on file of berm performance test)

Copies: file book

Signature: C Jr Clayton

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Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 12, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 85 degrees

Summary of Activities and Test Results:

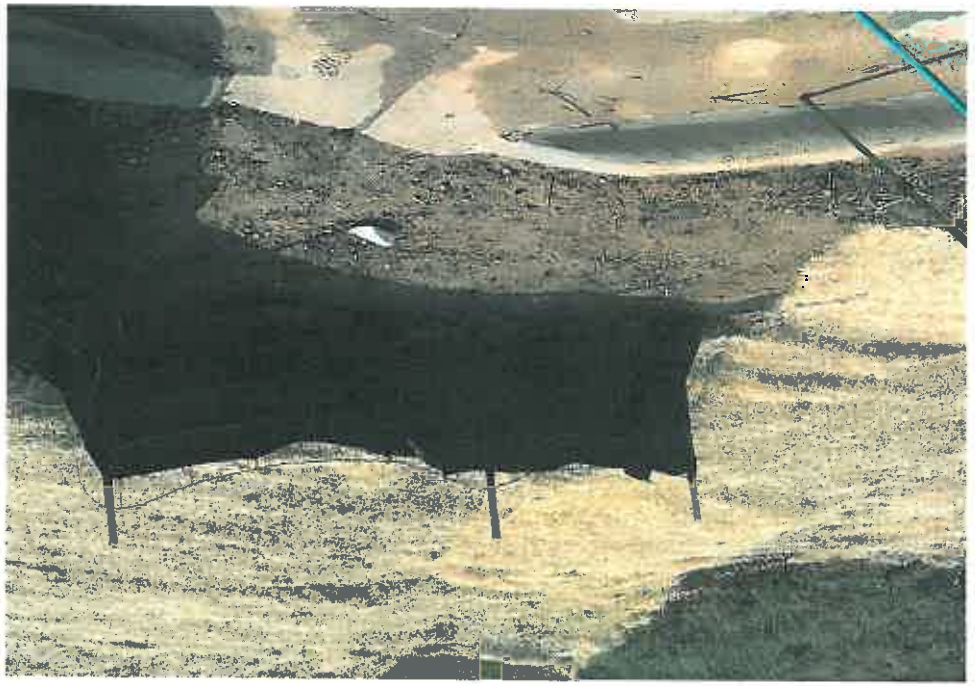
Arrived on-site in the morning to perform another punch list walk through with Ralph Barile. We noted items that had not been completed and those which had from the latest punch list. It was noted that cracks in the Euco topping were still in discussion with Owner and the runoff over the outer berm would be checked now that the saw cut had been caulked to see if this had remedied some of the spill-over.

We also toured the convenience center area and new punch list items were created for that portion of the project. It was noted that the metal tipping floor extension at the shingle bay had been dislodged by the waste hauler after picking up a container and snagging the extension.

pictures attached.

Copies: file book

Signature:



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Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 13, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 85 degrees

Summary of Activities and Test Results:

Arrived on-site in the afternoon to review construction activities. Neither Temple nor WECC crews were onsite.

Copies: file book

Signature:

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 16, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 85 degrees

Summary of Activities and Test Results:

Arrived on-site in the afternoon to review construction activities. Temple was on-site to vacuum out the wet well for coating tomorrow. Poles had been installed for the control panel. Denis was laying out the proposed fence line and requested Mr. Clayton review and approve. WECC not onsite.

pictures attached.

Copies: file book

Signature:

09/16/2013

09/16/2013

09/16/2013

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project:	Dunn Erwin Landfill CAP Projects		
Job No.:	3002B	**Date:**	September 18, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 **of** 1

Weather Conditions: Partly Cloudy, 65 degrees

Summary of Activities and Test Results:

Arrived onsite at approximately 8:00 am. Inspectd the pump station control panel support post installation and proposed fencing location marked with string.

Met with Ralph Barile. Ralph indicated the punch list items would be completed today with the exception of the delivery of the remaining bin blocks, transfer station diversion berm, and painting the metal on the shingles wall. Ralph inquired if a final decision had been made on the final crack issue. I indicated to him it was still under review.

Upon leaving the site, I called Joe Parda and discussed the need to have the slab beneath the control panels to be at or near the top of the concrete footings. This will require some mounding of soils immediately around the wetwell. I also expressed concern of having enough clearance behind the control panel and the new fencing. It was discussed to leave the new fence a minimum of 5' from the panel.

pictures attached.

Copies: file book

Signature:

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 18, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 85 degrees

Summary of Activities and Test Results:

Arrived on-site in the afternoon to review construction activities. Neither contractor on-site working.

Copies: file book

Signature:

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Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project:	Dunn Erwin Landfill CAP Projects		
Job No.:	3002B	**Date:**	September 18, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 **of** 1

Weather Conditions: Partly Cloudy, 65 degrees

Summary of Activities and Test Results:

Arrived onsite at approximately 8:00 am. Inspectd the pump station control panel support post installation and proposed fencing location marked with string.

Met with Ralph Barile. Ralph indicated the punch list items would be completed today with the exception of the delivery of the remaining bin blocks, transfer station diversion berm, and painting the metal on the shingles wall. Ralph inquired if a final decision had been made on the final crack issue. I indicated to him it was still under review.

Upon leaving the site, I called Joe Parda and discussed the need to have the slab beneath the control panels to be at or near the top of the concrete footings. This will require some mounding of soils immediately around the wetwell. I also expressed concern of having enough clearance behind the control panel and the new fencing. It was discussed to leave the new fence a minimum of 5' from the panel.

pictures attached.

Copies: file book

Signature:

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Coats, NC 27521

SITE VISIT REPORT

Project: Dunn Erwin Landfill CAP Projects

Job No.:	3002B	**Date:**	September 19, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	RLS	**Page:**	1 **of** 1

Weather Conditions: Sunny, 85 degrees

Summary of Activities and Test Results:

Arrived on-site in the afternoon to review construction activities. Neither contractor on-site working.

Copies: file book

Signature:

Clayton, Sr., P.E., Inc.
Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project:	Dunn Erwin Landfill CAP Projects		
Job No.:	3002B	**Date:**	September 23, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 **of** 1

Weather Conditions: Partly Cloudy, 72 degrees

Summary of Activities and Test Results:

Ryan Sadler and I arrived onsite at approximately 8:00 am. Met with Joseph Jefferies, Deputy County Manager and Randy Smith. Joseph informed us that Amanda Bader would be on extended medical leave and he would be handling the project for the County until her return. We proceeded to walk the transfer station and I gave Joseph a historical explanation of the floor install, cracking, and remedial efforts up to the current date. We discussed the option of extending the slope out to the building entrance and it would include a significant amount of new concrete. I pointed out that it would be over a foot thick at the new ridge line. Joseph inquired what an estimate of the cost would be. I indicated we had not quantified the exact amount and extent of work required to regrade the floor and to remove the outer apron drain. However, I did state a really rough estimate just for the concrete based on our current unit rate for a 6" slab would be more than $20,000. I qualified that the number did not include accesory work or new EucoTopping. I explained the EucoTop was over a 1/3 of the current cost of Rehab. Joseph indicated he would be meeting with the County Legal Staff and others that afternoon and would let me know what the Counties position was on the floor cracks and how we were to proceed.

Copies: file book

Signature:

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Civil & Environmental Engineering
46 W. Washington Street
Coats, NC 27521

SITE VISIT REPORT

Project:	Dunn Erwin Landfill CAP Projects		
Job No.:	3002B	**Date:**	October 7, 2013
Location:	Dunn-Erwin Landfill, Dunn, NC		
Visit by:	CTC Jr	**Page:**	1 **of** 1

Weather Conditions: Partly Cloudy, 68 degrees

Summary of Activities and Test Results:

I arrived onsite at approx 11:00 AM. I met with Joe Parda and the fencing subcontractor. We measured and flagged off the location of the fencing so that enough clearance was given to the pump station control panel and the footage met with the negotiated amount from the recent change order. The aluminum hood for the control panel had been installed that morning. In addition, the overhead power had been installed by Duke Energy. Joe and I discussed the fact the new power pole was setup for a overhead feed to the control panel, but we wished to have an underground feed. I indicated I would coordinate with Trigger Byrd the need to switch this (I did so later in the day).

We inspected the wetwell. No coating has been installed to date. There was evidence of some infiltration (stains) along the lower joint. However, there is only 6-inches of water present in the bottom of the wet well. No pumping has occurred since the wet well was set. Joe confirmed the joints had been wrapped with the mastic type tape during install.

Tommy Patrick, electrical subcontractor, arrived. We discussed the overall schedule for the panel install. I also discussed that we had checked the wire size of the back sump feed and it checked out to be as shown on the drawings, a #8 copper.

pictures attached.

Copies: file book

Signature: C Tyson Clayton Jr