

From: [Fischer, Shane](#)
To: [SWD_Waste](#); [Tafuni, Steven](#); [Newsome, Kaitlyn](#)
Cc: [Robert.shankle](#); [Anthony Detweiler](#); [Bryan White](#); [Bob Bennett](#); [Sarah Metcalfe](#); [Lebron, Carlo](#); [Cooper, Dan](#); [Paul, Darryl](#)
Subject: RE: Manatee County Lena Road Landfill Piezometer P-9 Damage Notification
Date: Friday, August 21, 2020 1:59:05 PM
Attachments: [Lena Road Landfill PZ9A Notification.pdf](#)

Mr. Tafuni,

On behalf of the Manatee County Utilities Department, Solid Waste Division (County) and the Lena Road Landfill Operation Permit Number 39884-021-SO-01, SCS is providing this letter to the Florida Department of Environmental Protection (FDEP) identifying the proposed replacement of damaged piezometer PZ9, referred to as piezometer PZ9A, and the abandonment of PZ9.

A drilling contractor is tentatively scheduled to install PZ9A on August 25 or August 27, 2020. Shortly after the piezometer is installed a Florida Licensed Surveyor will collect the information required by permit. With this proposed expedited schedule the County will be able to include the water level readings from PZ9A with the monthly gradient report required for August 2020.

Thank you for consideration of the requested expedited schedule, proposed construction detail, and location for installation of PZ9A as enclosed. We look forward to your concurrence with the enclosed information so we can move forward.

Thank you.

Shane R. Fischer, P.E.

SCS Engineers

Tampa, FL

(813) 804-6714 (W)

(813) 503-1044 (C)

sfischer@scsengineers.com

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From: Fischer, Shane

Sent: Tuesday, August 11, 2020 12:58 PM

To: SWD_Waste (Shared Mailbox) <SWD_Waste@dep.state.fl.us>; Steven Tafuni <steven.tafuni@dep.state.fl.us>

Cc: Robert Shankle <robert.shankle@mymanatee.org>; Anthony Detweiler <anthony.detweiler@mymanatee.org>; Bryan White <bryan.white@mymanatee.org>; Bob Bennett <bob.bennett@mymanatee.org>; Sarah Metcalfe <sarah.metcalfe@mymanatee.org>; Carlo Lebron <CLEbron@scsengineers.com>; Dan Cooper <dcooper@scsengineers.com>; Darryl Paul <dpaul@scsengineers.com>

Subject: Manatee County Lena Road Landfill Piezometer P-9 Damage Notification

Mr. Tafuni,

On behalf of the Manatee County Utilities Department, Solid Waste Division (County) and the Lena Road Landfill Operation Permit Number 39884-021-SO-01, SCS is notifying the Department of damage to piezometer P-9. During the morning of August 10, 2020 the County observed P-9 had been damaged and is inoperable.

As required by the Operation Permit, within ten (10) days of this notice a written report will be provided to the Department describing what problem occurred and the remedial measures taken by the County to prevent reoccurrence. Also, within that report the proposed replacement piezometer

design will be provided for approval by the Department. Following approval, the County will notify the Department within fourteen (14) days prior to the installation of the replacement piezometer. Since this piezometer is one of the monthly gradient monitoring points, the County will proceed as quickly as possible to install a replacement piezometer to ensure continuous monthly monitoring at this location.

Please feel free to contact the County or myself if you have any further questions or need any additional information.

Thank you.

Shane R. Fischer, P.E.

Vice President/Office Manager

SCS Engineers

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August 21, 2020
File No. 09217088.15

Mr. Steven Tafuni
Florida Department of Environmental Protection
Southwest District Office - Solid Waste Section
130501 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Subject: Notification for Replacement of Piezometer PZ9
Lena Road Landfill 333 Lena Road, Bradenton, Florida
Operation Permit Number 39884-021-SO-01

Dear Mr. Tafuni:

On behalf of the Manatee County Utilities Department, Solid Waste Division (County) and the Lena Road Landfill Operation Permit Number 39884-021-SO-01, SCS is providing this letter to the Florida Department of Environmental Protection (FDEP) identifying the proposed replacement of damaged piezometer PZ9, referred to as piezometer PZ9A, and the abandonment of PZ9. SCS previously notified the FDEP via email of damage to PZ9 on August 11, 2020. Please refer to **Attachment A** for a figure identifying the construction details proposed for PZ9A for FDEP approval. In addition, refer to **Attachment B** for the construction log for PZ9.

Measures proposed by the County to avoid potential future damage to PZ9A include installing 6-inch diameter steel bollards filled with concrete surrounding the piezometer. The original bollards were hollow 2-inch PVC pipes. In addition, PZ9 was approximately one foot from the edge of pavement. PZ9A will be installed approximately 3 feet further back, or roughly four feet from the edge of pavement. Please refer to **Attachment C** for **Figure 1** identifying the approximate location of PZ9A.

In addition, per the Lena Road Landfill Operation Permit, the County is required to notify the FDEP in writing fourteen (14) days prior to the installation of a replacement piezometer that was previously approved by the FDEP. Since this piezometer is one of the monthly gradient monitoring points, the County is requesting this ten (10) day notification with the enclosed proposed construction detail and location also serve as the fourteen (14) day notification prior to installation. A drilling contractor is tentatively scheduled to install PZ9A on August 25 or August 27, 2020. Shortly after the piezometer is installed a Florida Licensed Surveyor will collect the information required by permit. With this proposed expedited schedule the County will be able to include the water level readings from PZ9A with the monthly gradient report required for August 2020.

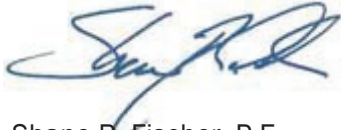
Within 30 days after installation of PZ9A, the County will submit to the FDEP a well completion report, as-built construction diagram, soil boring log, survey of the top of casing elevation, and latitude and longitude by a Florida Licensed Surveyor.

Thank you for consideration of the requested expedited schedule, proposed construction detail, and location for installation of PZ9A as discussed above. We look forward to your concurrence with the enclosed information.

Mr. Steven Tafuni
August 21, 2020
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If you have questions regarding the requests or information contained herein, or need additional information, please contact the County or the undersigned at (813) 503-1044.

Sincerely,



Shane R. Fischer, P.E.
Vice President/Office Manager
SCS Engineers



Carlo Lebron, P.E.
Business Unit Director
SCS Engineers

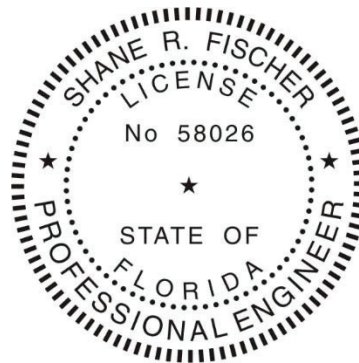
SRF/CFL:srf

cc: Bryan White, Manatee County Landfill Superintendent
Anthony Detweiler, Manatee County Landfill Operations Supervisor
Bob Bennett, Manatee County Landfill Operations Supervisor
Sarah Metcalfe, Manatee County Landfill Administrative Assistant

Attachments

This item has been digitally signed and sealed by
Shane R. Fischer, PE on the date adjacent to the seal.

Printed copies of this document are not considered
signed and sealed and the signature must be verified
on any electronic copies.



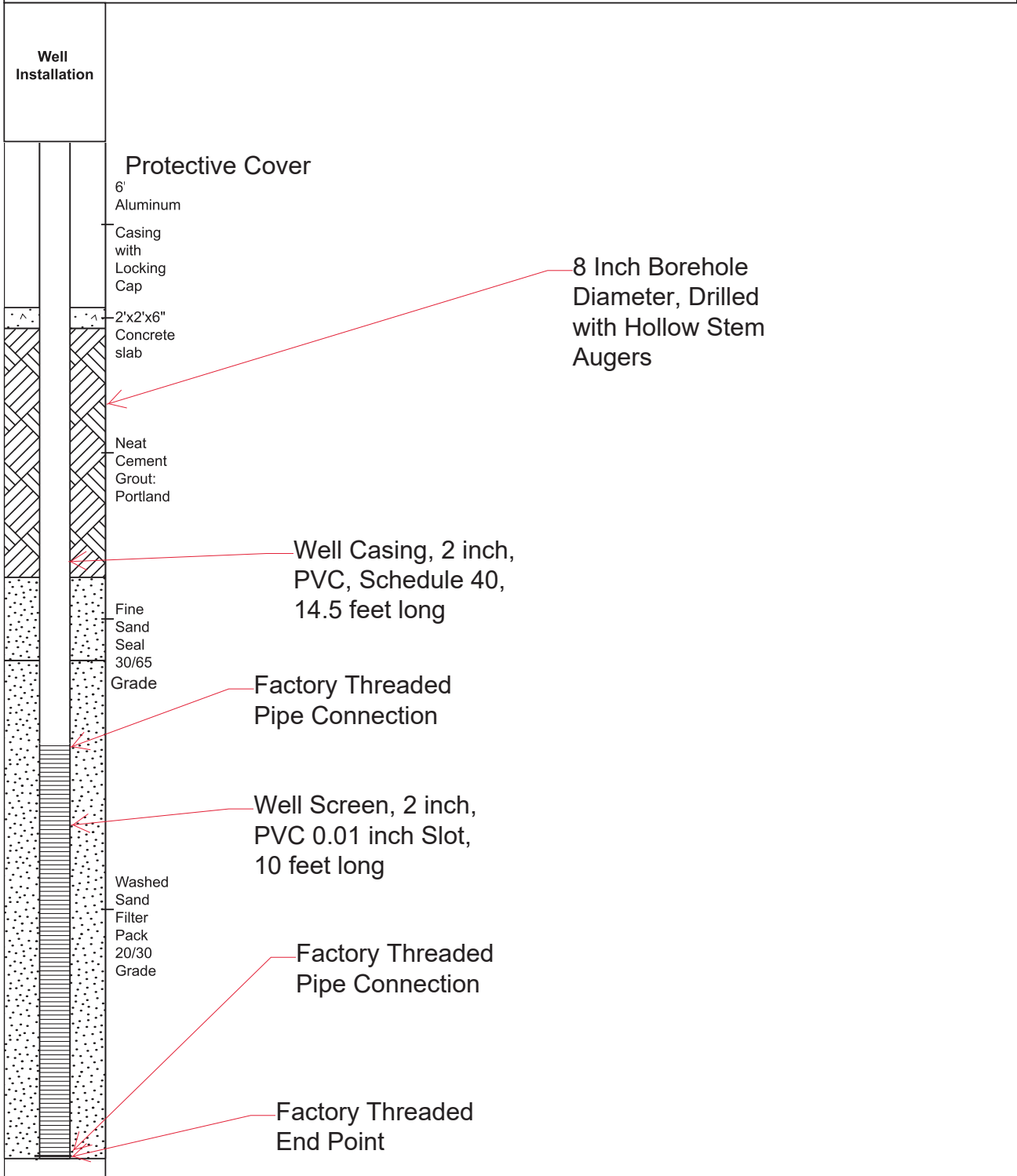
Shane
Fischer

Digitally signed
by Shane Fischer
Date: 2020.08.21
13:52:29 -04'00'

Attachment A

PZ9A Construction Details

PROJECT NUMBER	DRILLING COMPANY	COORDINATES
PROJECT NAME Lena Road Landfill,	DRILLER	COORD SYS
CLIENT Manatee County	DRILL RIG	SURFACE ELEVATION
ADDRESS	DRILLING METHOD	WELL TOC
DRILLING DATE	TOTAL DEPTH 24.50	LOGGED BY
LICENCE NO.	DIAMETER 2	CHECKED BY
	Top of Screen Elevation (Feet) 26	
COMPLETION	CASING uPVC	SCREEN uPVC Factory ^{Slotted}
COMMENTS		



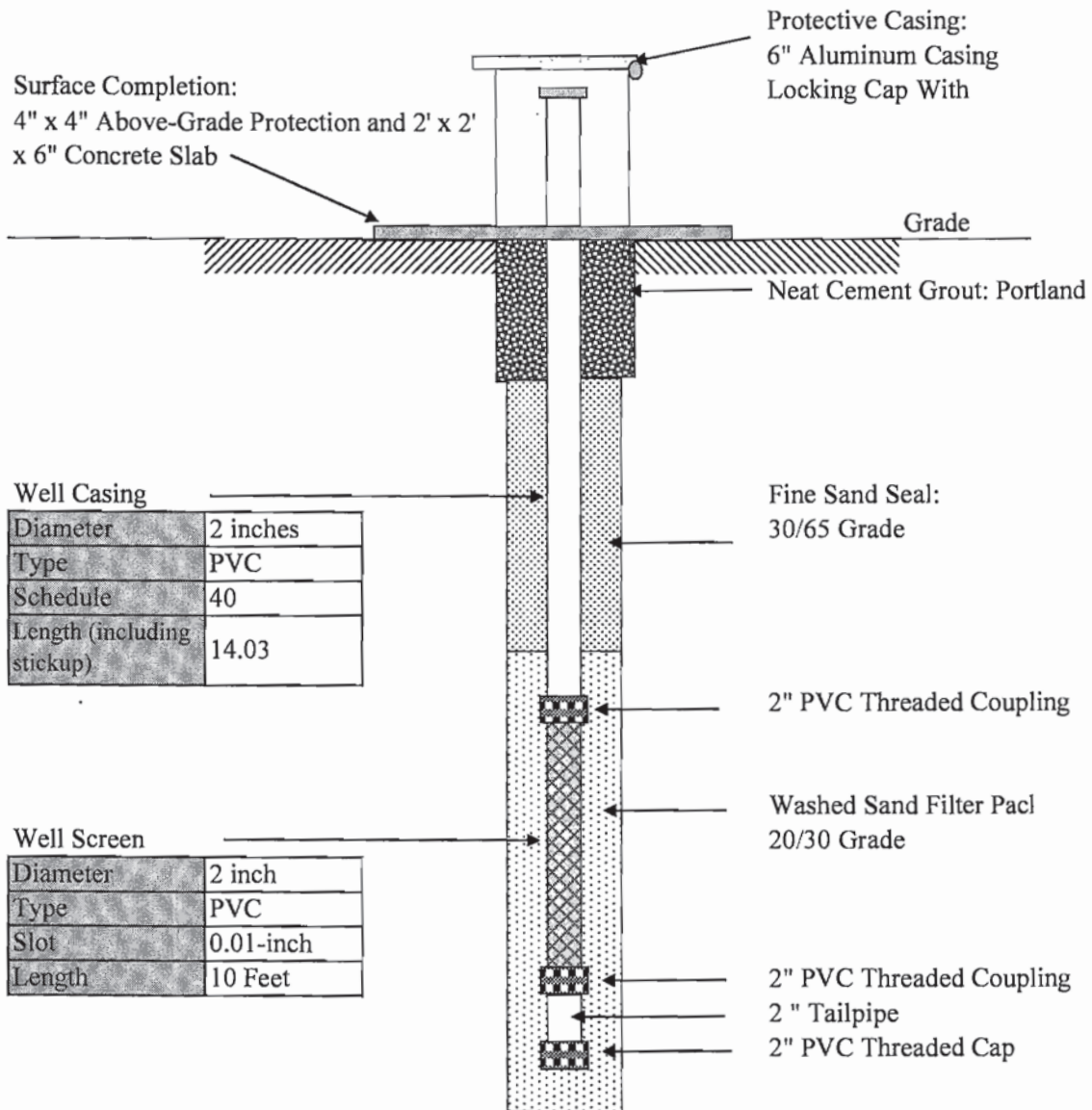
Note: Not to Scale

Attachment B

PZ9 Construction Log

PIEZOMETER CONSTRUCTION DIAGRAM

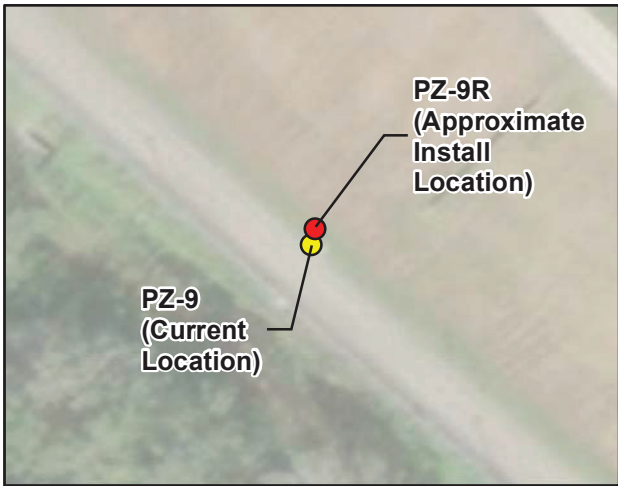
Site:	Lena Road Landfill
Well Identifier:	PZ-9
Northing/Easting	1140745.8168/509323.037
Drilling Method:	Hollow Stem Auger
Borehole Diameter:	8 Inches
Total Depth (Feet):	24.53
Top-of-Casing Elevation (Feet):	39.97
Top-of-Screen Elevation (Feet):	25.94
Ground Elevation (Feet):	37.40



Note: Not to scale

Attachment C

PZ9A Location



Legend

- Piezometer Location to be Replaced
- Piezometer Location

FIGURE 1
PZ9A Location
Lena Road Landfill

SCS ENGINEERS

Tampa, FL

August 2020

