SCS ENGINEERS

November 18, 2022 File No. 09217088.28

Ms. Elizabeth Kromhout, PG, Environmental Administrator Florida Department of Environmental Protection - Division of Waste Management Permitting & Compliance Assistance Program - Solid Waste Permitting 2600 Blair Stone Road, MS 4565 Tallahassee, FL 32399

Subject: Manatee County Lena Road Landfill Certification of Construction Completion Report Subsequence 5-A Expansion Construction Project

Dear Ms. Kromhout:

On behalf of the Manatee County Solid Waste Division (County), SCS Engineers (SCS) has prepared this Certification of Construction Completion Report for the Lena Road Class I Landfill, Subsequence 5-A Expansion Construction Project (Project) in accordance with the Florida Department of Environmental Protection (FDEP) Operation Permit No. 39884-021-SO-01 Part B.2.

Excavation of the Project commenced in August 2022 and was completed in October 2022. The Project was constructed in general conformance with the Operation Permit and drawings, which include the following:

• Sheet 6 of the Operation Permit Drawings entitled Sequence 4, Lena Road Landfill, Stage II Fill Sequence, signed and sealed by SCS dated March 22, 2021.

The Certification of Construction Completion of a Solid Waste Management Facility form for the Manatee County Lena Road Landfill Subsequence 5-A Expansion is included in Attachment 1.

An as-built survey of the Project was conducted by Hyatt Survey Services, Inc. (Hyatt) and is provided in Attachment 2.

As indicated on Drawings 2 and 3 provided in Attachment 3, base grades for Subsequence 5-A are similar to the FDEP approved base grades based on the Hyatt as-built survey. SCS has confirmed there is at least 5 feet of elevation difference between the existing Leachate Collection and Removal System pipes and the top of the drainage layer within Subsequence 5-A.

Representative photographs of the Project collected by SCS are also provided in Attachment 4 of this Report.

Based on the above information, the Project was completed in substantial conformance with the FDEP Operation Permit. The County wishes to receive FDEP approval of this Project in order to begin disposing of solid waste in this area. Therefore, your prompt review of this submittal is appreciated.

Ms. Elizabeth Kromhout, PG November 18, 2022 Page 2

Please do not hesitate to contact us should you have any questions or require additional information.

Sincerely,

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

Shane R. Fischer, P.E. Vice President **SCS Engineers**

SRF/RBC:srf

Bryan White, Manatee County cc: Anthony Detweiler, Manatee County Steven Tafuni, FDEP Southwest District Joe Dertien, PE, FDEP Tallahassee

Enclosures

Shane R. Fischer, PE on the date adjacent to the seal.

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ATTACHMENT A

Certification of Construction Completion of a Solid Waste Management Facility form for the Manatee County Lena Road Landfill Subsequence 5-A Expansion

Reset Form





Department of Environmental Protection

Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400 DEP Form # 62-701.900(2) Form Title Certification of Construction Completion of a Solid Waste Management Facility Effective Date May 19, 1994

Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: <u>39884-021-SO-01</u> Name of Project: <u>Manatee County Lena Road Landfill Subsequence 5A Expansion</u> Name of Owner: <u>Manatee County Board of County Commissioners</u> Name of Engineer: <u>SCS Engineers</u>

Type of Project: Excavation of Subsequence 5A Expansion to permitted base grades prior to placement of waste.

The Lena Road Landfill is a slurry wall landfill that does not have a geosynthetics leachate collection and detection system.

Cost: Estimate \$ N/A, County conducted excavation Actual \$ N/A, County conducted excavation

Site Design Quantity: 1,035 ton/day Site Acreage: Total site 316 Acres

Deviations from Plans and Application Approved by DEP (attach additional pages as

needed): Excavation of the Subsequence 5A Expansion was completed in general

accordance with the Permit. No significant deviations occurred during excavation. Refer to the certification report.

Address and Telephone No. of Site: 3333 Lena Road, Bradenton, FL 34211 (941) 748-5543

Name(s) of Site Supervisor:

Date Site inspection is requested: At the Department's convenience.

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction

Permit No.: 39884-021-SO-01 Dated:

Dated: July 29, 2021

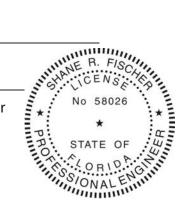
Date: November 18, 2022

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SIGNATURE OF Professional Engineer SHANE R. FISCHER, P.E. 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.

Northwest District 160 Governmental Center Pensacola, FL 32501-5794 850-595-8360 Northeast District 7825 Baymeadows Way, Ste. B200 Jacksonville, FL 32256-7590 904-448-4300

Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555 Southwest District 3804 Coconut Palm Dr. Tampa, FL 33619 813-744-6100 South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 941-332-6975 Southeast District 400 North Congress Ave. West Palm Beach, FL 33401 561-681-6600



ATTACHMENT B

Hyatt Asbuilt Survey



- RECORD, IF ANY.

SURVEYOR NOTES

1. THIS SURVEY IS REFERENCED TO A PROJECTION OF THE STATE PLANE COORDINATE SYSTEM OF FLORIDA WEST ZONE (NAD 83/11).

2. THE ELEVATIONS DEPICTED HEREON WERE DERIVED FROM THE CONTROL PROVIDED WITHIN A SURVEYOR'S REPORT PREPARED BY PICKETT SURVEYING AND ENGINEERING PROJECT NUMBER 18600-1 DATED 2/14/19.

3. THE HORIZONTAL AND VERTICAL COORDINATES OF THE SITE BENCH MARKS WERE DERIVED FROM REDUNDANT RTK GPS OBSERVATIONS AND DIFFERENTIAL LEVELING METHODS.

4. THIS IS NOT A BOUNDARY SURVEY.

5. THIS SURVEY IS SUBJECT TO PERTINENT EASEMENTS, RIGHTS OF WAY AND RESTRICTIONS OF

6. THE LOCATION OF UTILITIES, FOUNDATIONS OR STRUCTURES, IF ANY, BENEATH THE SURFACE HAVE NOT BEEN DETERMINED.

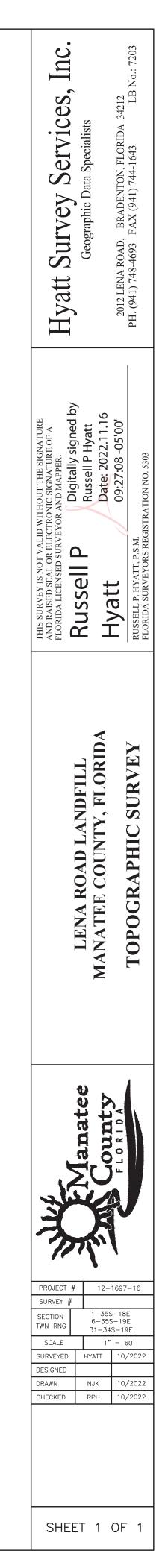
7. THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES CERTIFIED TO BELOW FOR THE EXPRESS PURPOSE STATED HEREON AND/OR CONTAINED IN THE CONTRACT BETWEEN HYATT SURVEY SERVICES, INC. AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM HYATT SURVEY SERVICES, INC. IS STRICTLY PROHIBITED AND RENDERS THE SURVEYOR'S CERTIFICATION, SIGNATURE AND SEAL NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO HYATT SURVEY SERVICES, INC.

Control Table						
Point #	Northing	Easting	Elevation	Description		
109	1141545.95	509165.88	33.96	AT		
122	1138428.30	511092.73	38.90	AT		
135	1138562.79	513590.75	40.93	AT		
168	1144330.79	512336.06	39.12	AT		
194	1146038.75	508797.91	22.80	AT		
205	1145790.59	514071.03	30.64	AT		
219	1136246.43	514518.68	48.03	AT		
229	1135605.88	508386.36	33.94	AT		



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BENCH MARK (SEE CONTROL TABLE) STAINLESS STEEL ROD SSR SET NAIL AND DISK SND SET FENO SPIKE SFS MARKER MKG TOP OF PIPE TOP INV INVERT



ATTACHMENT C

SCS Certification of Construction Completion Drawings

MANATEE COUNTY UTILITIES DEPARTMENT LENA ROAD LANDFILL **CERTIFICATE OF CONSTRUCTION COMPLETION SEQUENCE 5-A** MANATEE COUNTY, FLORIDA **NOVEMBER 2022**



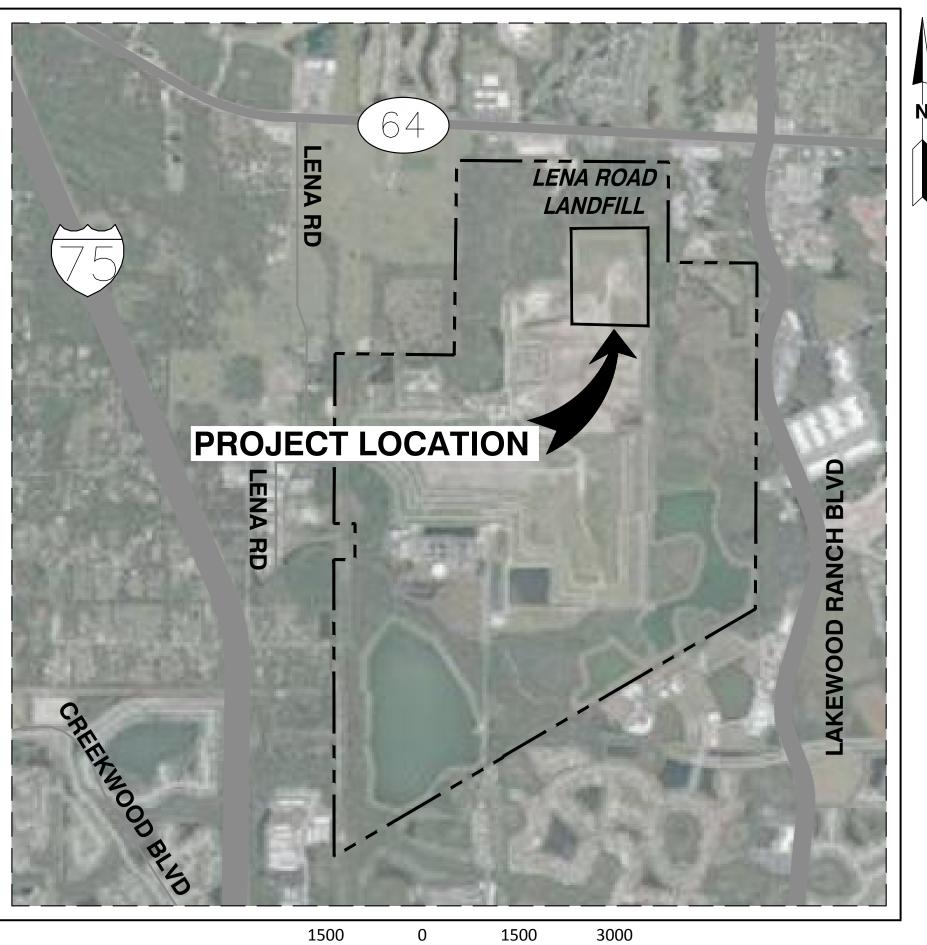
MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS

JAMES SATCHER REGGIE BELLAMY KEVIN VAN OSTENBRIDGE MISTY SERVIA VANESSA BAUGH **CAROL WHITMORE GEORGE KRUSE**

DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4 DISTRICT 5 AT LARGE **AT LARGE**

Always call 811 two full business days before you d





SCALE FEET

LOCATION MAP

SCS ENGINEERS

STEARNS, CONRAD AND SCHMIDT **CONSULTING ENGINEERS, INC.** 3922 COCONUT PALM DRIVE, SUITE 102 TAMPA, FL 33619 PH. (813) 621-0080 FAX. (813) 623-6757 **FIRM REGISTRATION RY 4892** WWW.SCSENGINEERS.COM SCS PROJECT NO. 09217088.28





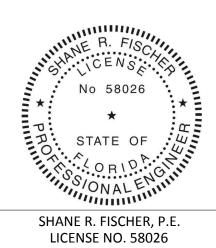
SHEET LIST TABLE

Sheet Number	Sheet Title
1	COVER SHEET
2	SEQUENCE 5-A EXPANSION
3	SECTIONS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SHANE R. FISCHER, P.E. ON THE DATE ADJACENT TO THE SEAL.

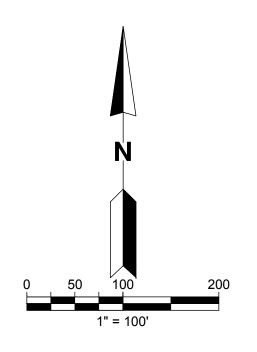
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This item has been digitally signed and sealed by Shane R. Fischer on the date indicated on the cove page. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



NOTES

- 1. TOPOGRAPHY WITHIN STAGE II COMPILED BY PICKETT AND ASSOCIATES, USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JANUARY 31, 2022. SHOWN FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT REFLECT CURRENT CONDITIONS.
- STAGE II LEACHATE COLLECTION SYSTEM BASED ON RECORD DRAWINGS OBTAINED FROM SET TITLED "STAGE 2 LEACHATE COLLECTION SYSTEM, PUMP STATION, AND FORCEMAIN" DATED JANUARY 1990 AND REVISED OCTOBER 1991 BY MANATEE COUNTY.
- TOPOGRAPHY WITHIN SEQUENCE 5A OBTAINED FROM SPECIFIC SITE SURVEY BY HYATT SURVEY SERVICES, INC. DATED OCTOBER 2022.

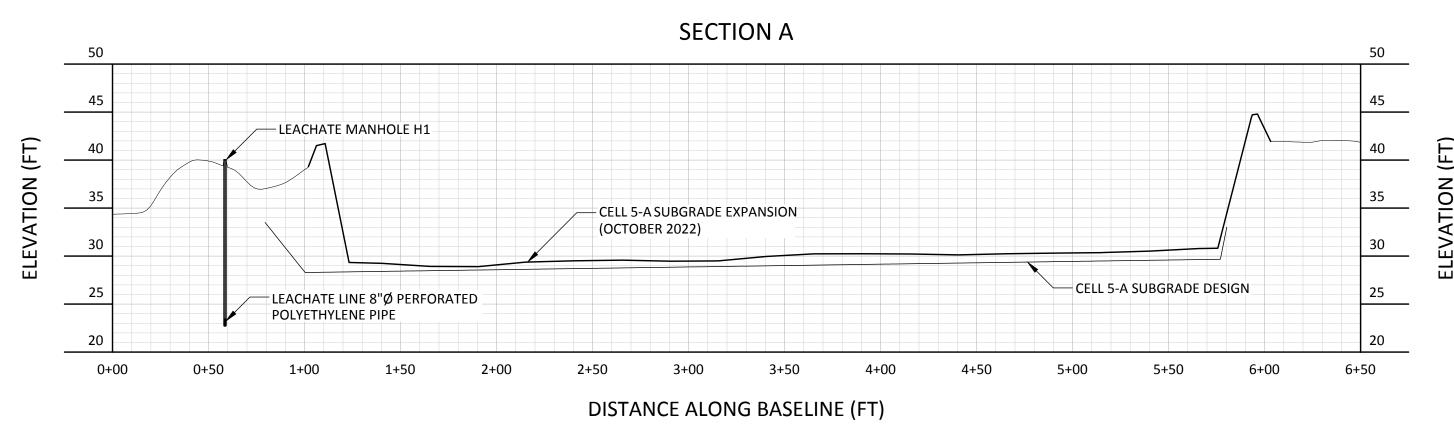
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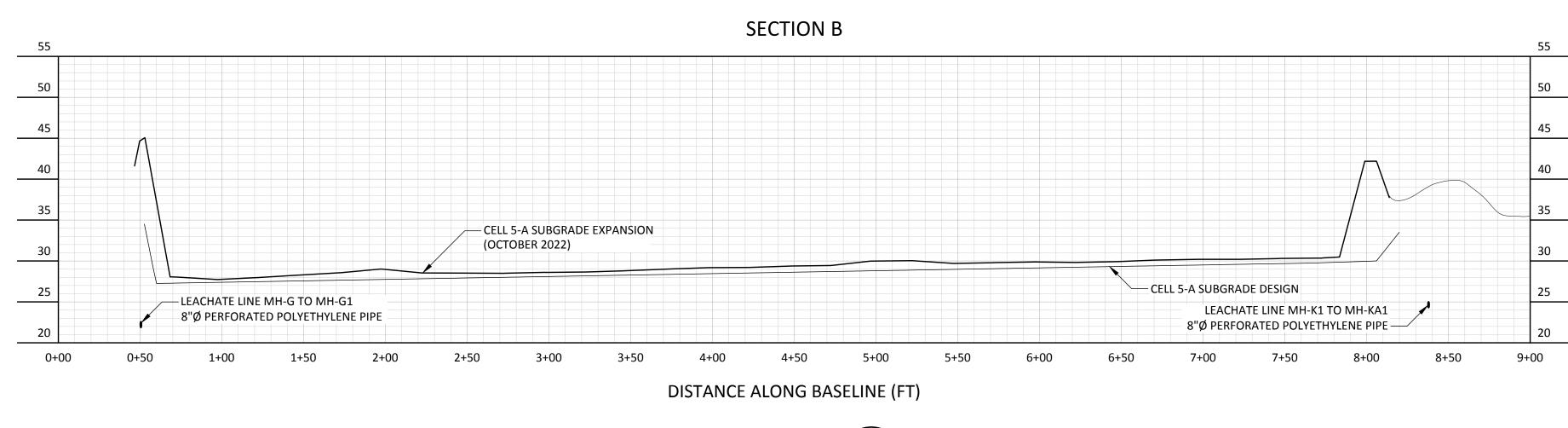
LEACHATE COLLECTION SYSTEM SLURRY WALL

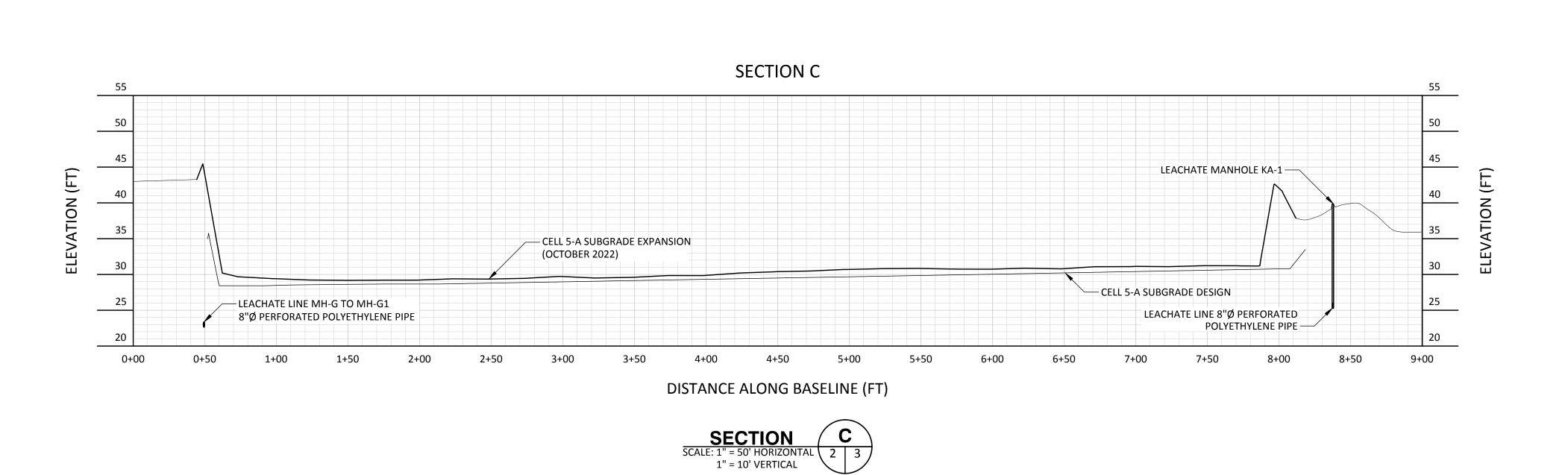
© MH-## LEACHATE COLLECTION MANHOLE

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