

Freedenberg, Henry

From: Freedenberg, Henry
Sent: Monday, December 04, 2017 2:51 PM
To: 'Restrepo, Carlos'; 'bob.bennett@mymanatee.org'; 'bryan.white@mymanatee.org'; 'Fischer, Shane'; Cooper, Dan; Ciaravella, Philip; Morgan, Steve
Subject: RE: Lena Road LF Sequences 1A and 1B Expansion Certification Report.

Carlos

The above mentioned submittal is wholly satisfactory and the Department has no objection to the initiation of the activates proposed in the document.

Please call either Phil or me for further info if needed.

Henry Freedenberg PE, PG
Solid Waste Section
Florida Department of Environmental Protection
2600 Blair Stone Road, MS 4565
Jallahassee, Florida 32399
henry.freedenberg@dep.state.fl.us
850-245-8760

From: Restrepo, Carlos [mailto:CRestrepo@scsengineers.com]
Sent: Thursday, November 30, 2017 1:50 PM
To: Freedenberg, Henry <Henry.Freedenberg@dep.state.fl.us>
Subject: FW: Lena Road LF Sequences 1A and 1B Expansion Certification Report.

Hello Henry,

Following up on the certification submittal and see if you have any comments.
Thank you

Carlos A. Restrepo, PE
SCS Engineers-Tampa, FL
D 813.804.6727
M 813.895.1329
crestrepo@scsengineers.com

From: Restrepo, Carlos
Sent: Monday, November 27, 2017 1:49 PM
To: Freedenberg, Henry <Henry.Freedenberg@dep.state.fl.us>; Ciaravella, Philip <Philip.Ciaravella@dep.state.fl.us>; 'steve.morgan@dep.state.fl.us' <steve.morgan@dep.state.fl.us>; 'Dilmore, Cory' <Cory.Dilmore@dep.state.fl.us>
Cc: 'Bob Bennett' <bob.bennett@mymanatee.org>; 'bryan.white@mymanatee.org' <bryan.white@mymanatee.org>; Fischer, Shane <SFischer@SCSEngineers.com>; Cooper, Dan <DCooper@SCSEngineers.com>
Subject: Lena Road LF Sequences 1A and 1B Expansion Certification Report.

Henry et al,

Attached is the certification report for the Lena Road LF Sequences 1A and 1B expansion.

As indicated in the report, the leachate drainage pipes continue to maintain at least 5 feet of cover to the bottom of the drainage layer.

Please let us know if you require additional information.

Thank you

Carlos A. Restrepo, PE
Sr. Project Professional
SCS Engineers
3922 Coconut Palm Drive, Suite 102
Tampa, FL 33619
D 813.804.6727
M 813.895.1329
crestrepo@scsengineers.com
www.scsengineers.com
Ownership Makes a Difference!

SCS ENGINEERS

November 27, 2017
File No. 09217088.01

Mr. Henry Freedenberg
Florida Department of Environmental Protection
2600 Blairstone Road, MS 4565
Tallahassee, FL 32399

Subject: Manatee Lena Road Class I Landfill
Certification of Construction Completion
Sequences 1-A and 1-B Expansion
FDEP Permit No. 39884-021-SO-01

Dear Mr. Freedenberg:

On behalf of Manatee County Utilities Department, Solid Waste Division (SWD), SCS Engineers (SCS) has prepared this Certification of Construction Completion Report to provide as-built drawings relating to the excavation of soils for the Lena Road Class I Landfill, Sequences 1-A and 1-B Expansion Construction Project. The Sequences 1-A and 1-B Expansion was completed in accordance with the information submitted to the Florida Department of Environmental Protection (FDEP) as part of the minor modification permit application dated September 15, 2017 and received by FDEP on September 19, 2017.

The expansion of base grades along the south boundary of fill Sequences 1-A and 1-B in Stage II allows placing waste up to the actual limits currently approved by FDEP. Construction of the base grades for Sequences 1-A and 1-B, completed in May and December 2016 respectively, did not extend to the currently approved southern limits due to the maintenance access road located between Stages I and II.

Construction Activities

The Sequences 1-A and 1-B Expansion Project commenced on October 19, 2017 and was completed on October 26, 2017. Survey of Sequences 1-A and 1-B Expansion was conducted by Walker Surveying and Mapping, LLC. on November 14, 2017.

Excavation of the Sequences 1-A and 1-B Expansion Project was performed in compliance with the FDEP permit and drawings, which include the following:

- FDEP Permit No. 39884-021-SO-01, dated March 24, 2016 and Minor Modification Permit No. 39884-022-SO-MM, dated November 13, 2017.
- Sheet C-5 of the Permit Drawings entitled *Stage II Fill Sequence Plan, Lena Road Class I Landfill, Manatee County*, dated September 2017 by SCS Engineers.



As indicated in Figures 1 and 2 of this Report, base grades for Sequences 1-A and 1-B Expansion along the south boundary continue to promote leachate drainage in a northwest direction similar to the FDEP approved base grades based on survey record drawings for Sequences 1-A and 1-B, dated May 9, 2016 and December 5, 2016, respectively.

SCS has confirmed that there are at least 5 feet of elevation difference between the Leachate Collection and Removal System (LCRS) and the top of the drainage layer in the Sequences 1-A and 1-B Expansion. No changes to the LCRS were conducted as part of this Expansion Project. All existing LCRS features and locations, as approved in the *Stage II Fill Sequence Plan, Lena Road Class I Landfill, Manatee County*, dated September 2017, will continue to be maintained during landfilling operations.

The SWD wishes to receive approval of this Expansion in order to begin disposing of solid waste in this area. Therefore, your prompt review of this submittal is appreciated.

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

Sincerely,



Carlos A. Restrepo, PE
Sr. Project Professional
SCS ENGINEERS



Shane R. Fischer, PE
Project Director
SCS ENGINEERS

cc: Philip Ciaravella, FDEP
Bob Bennett, SWD
Bryan White, SWD

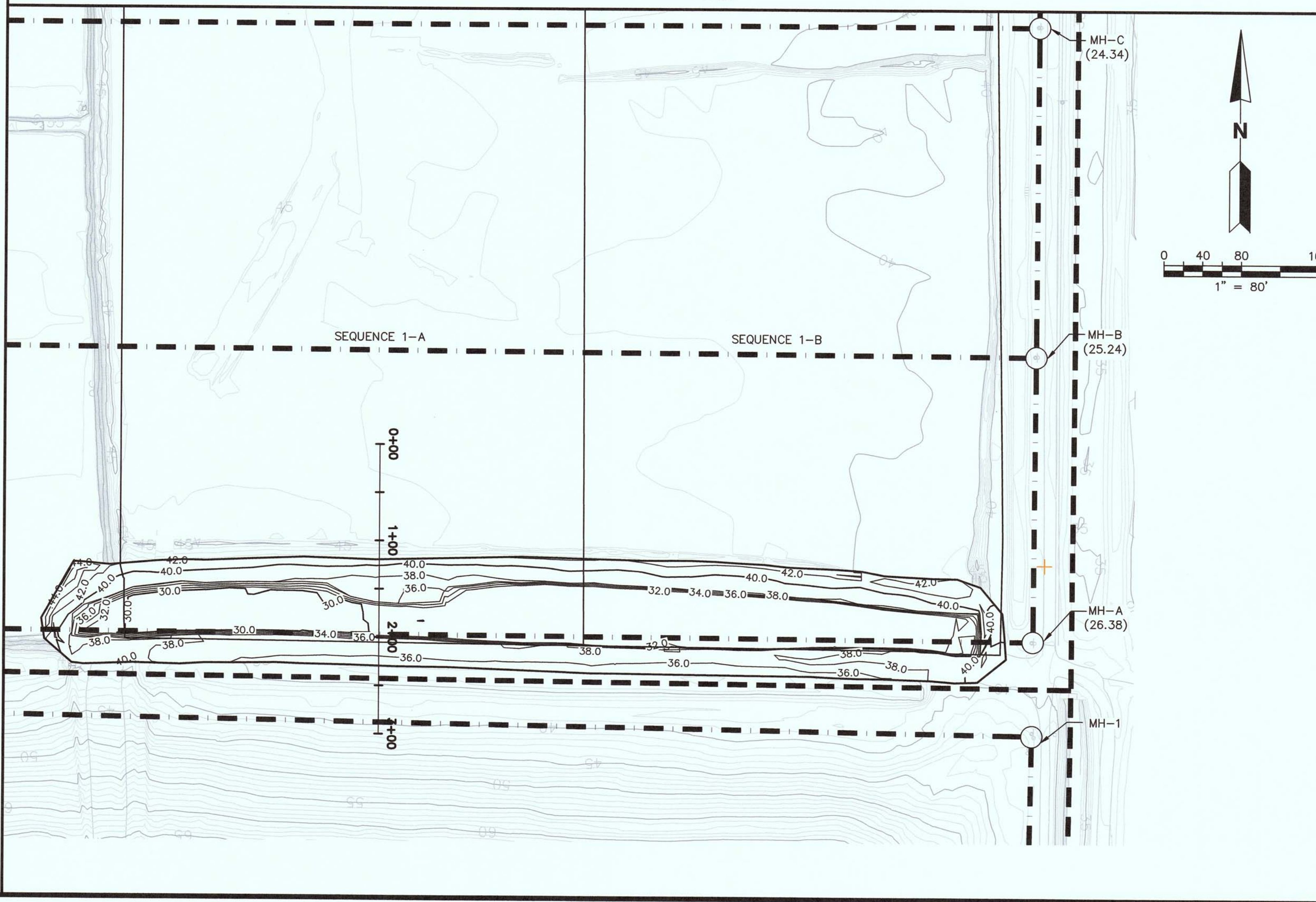
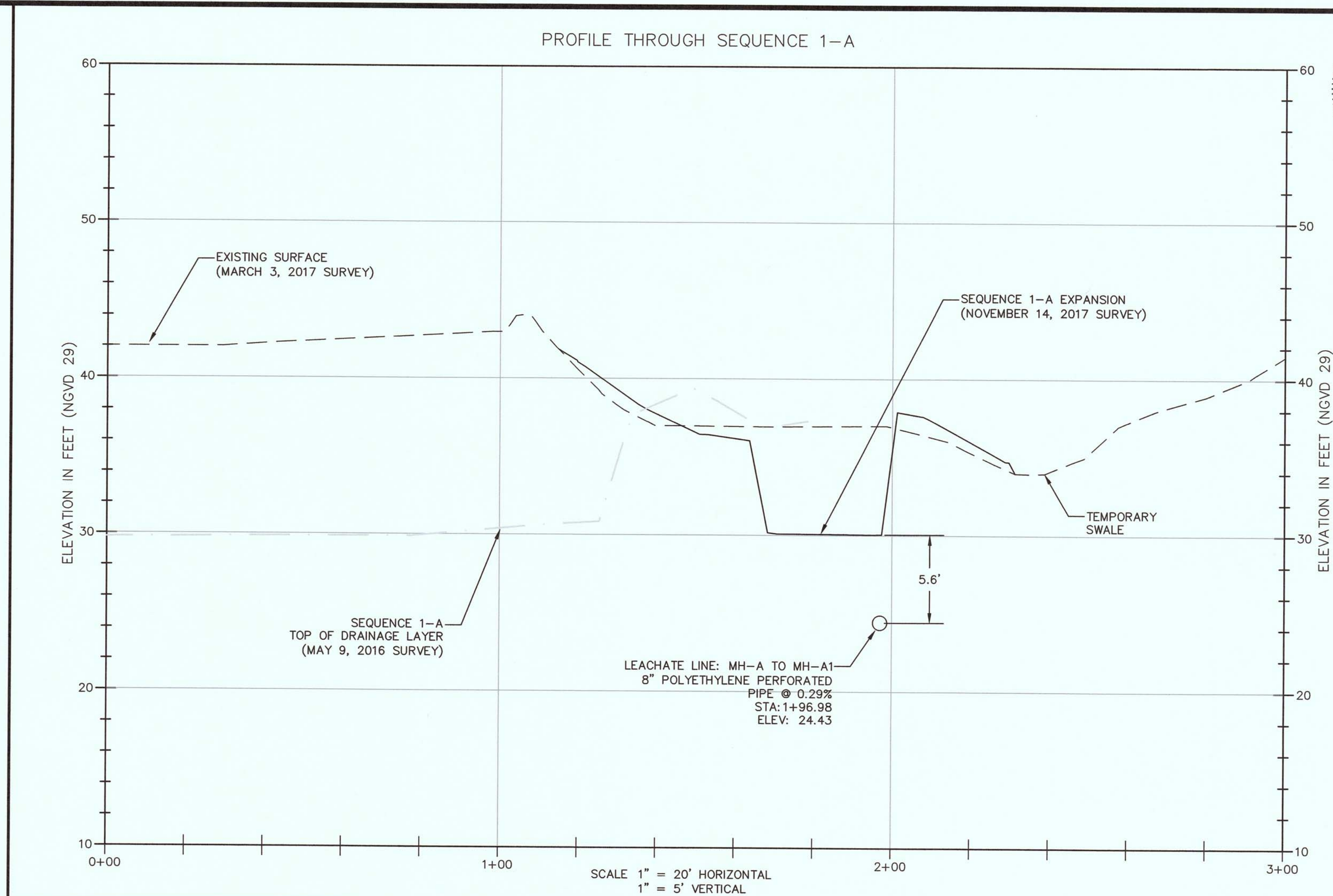
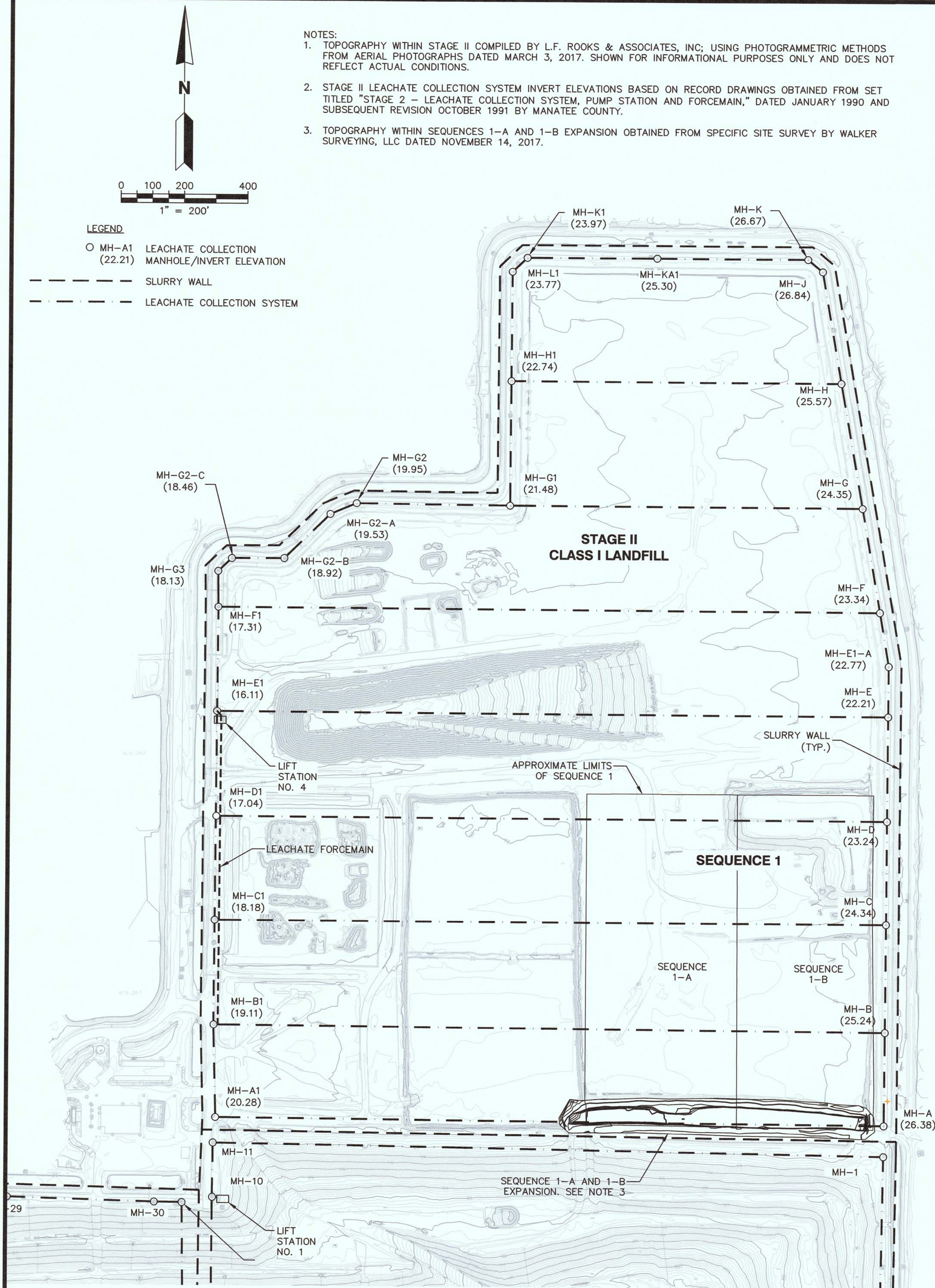
Photo: 1
Description: Sequence 1-A
and 1-B Expansion.
Looking West.



Photo: 2
Description: Sequence 1-A
and 1-B Expansion.
Looking East.

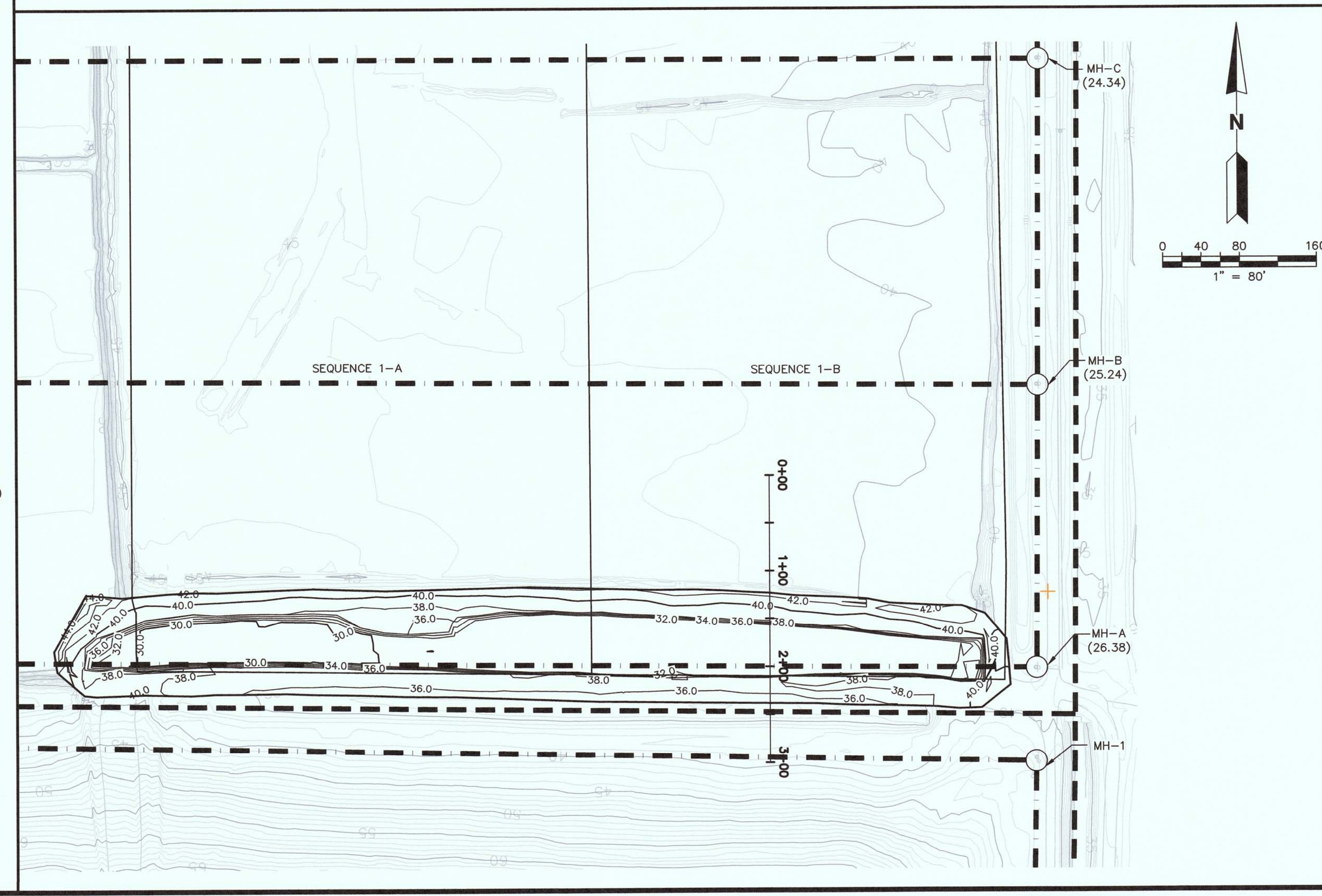
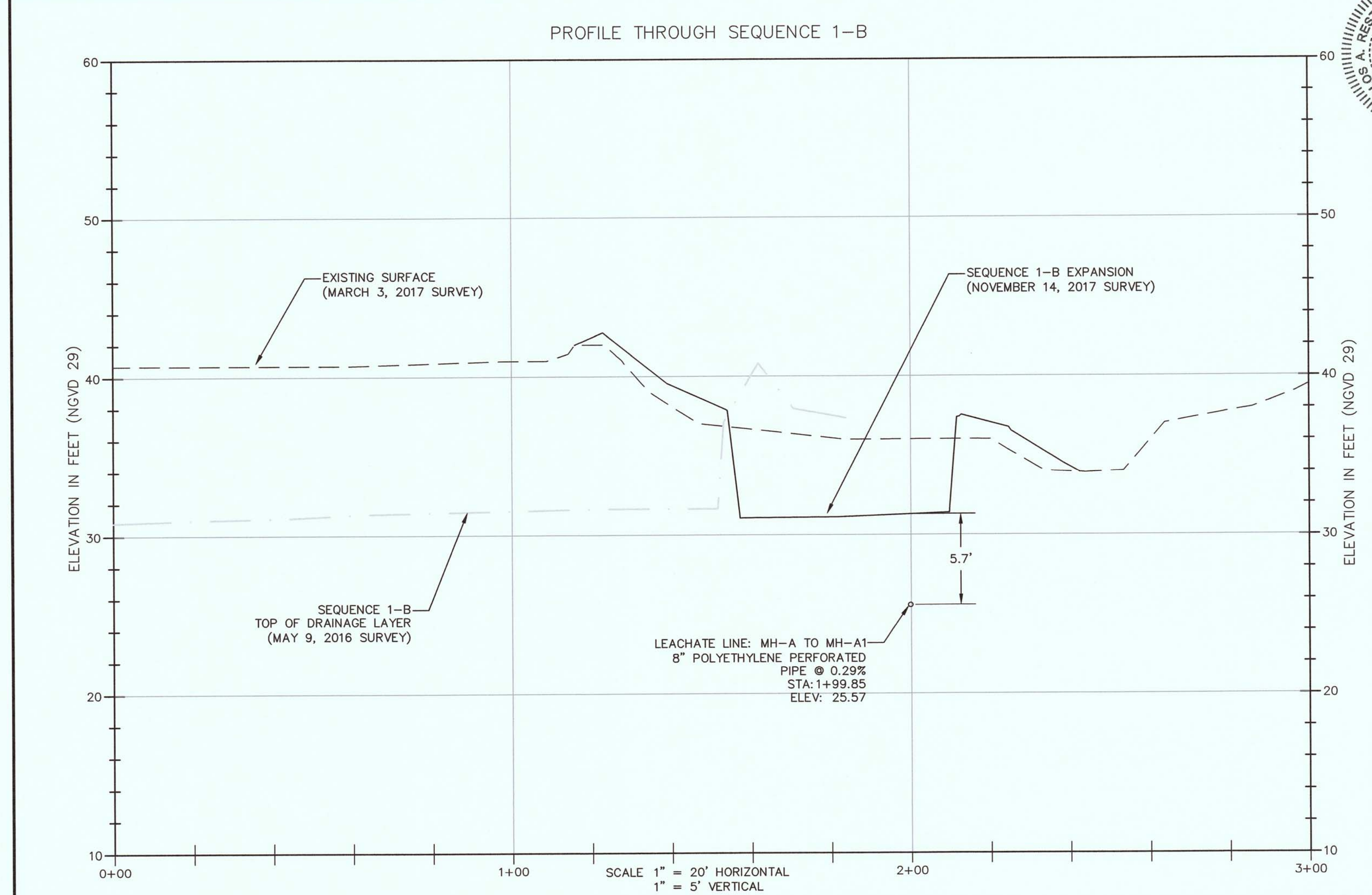
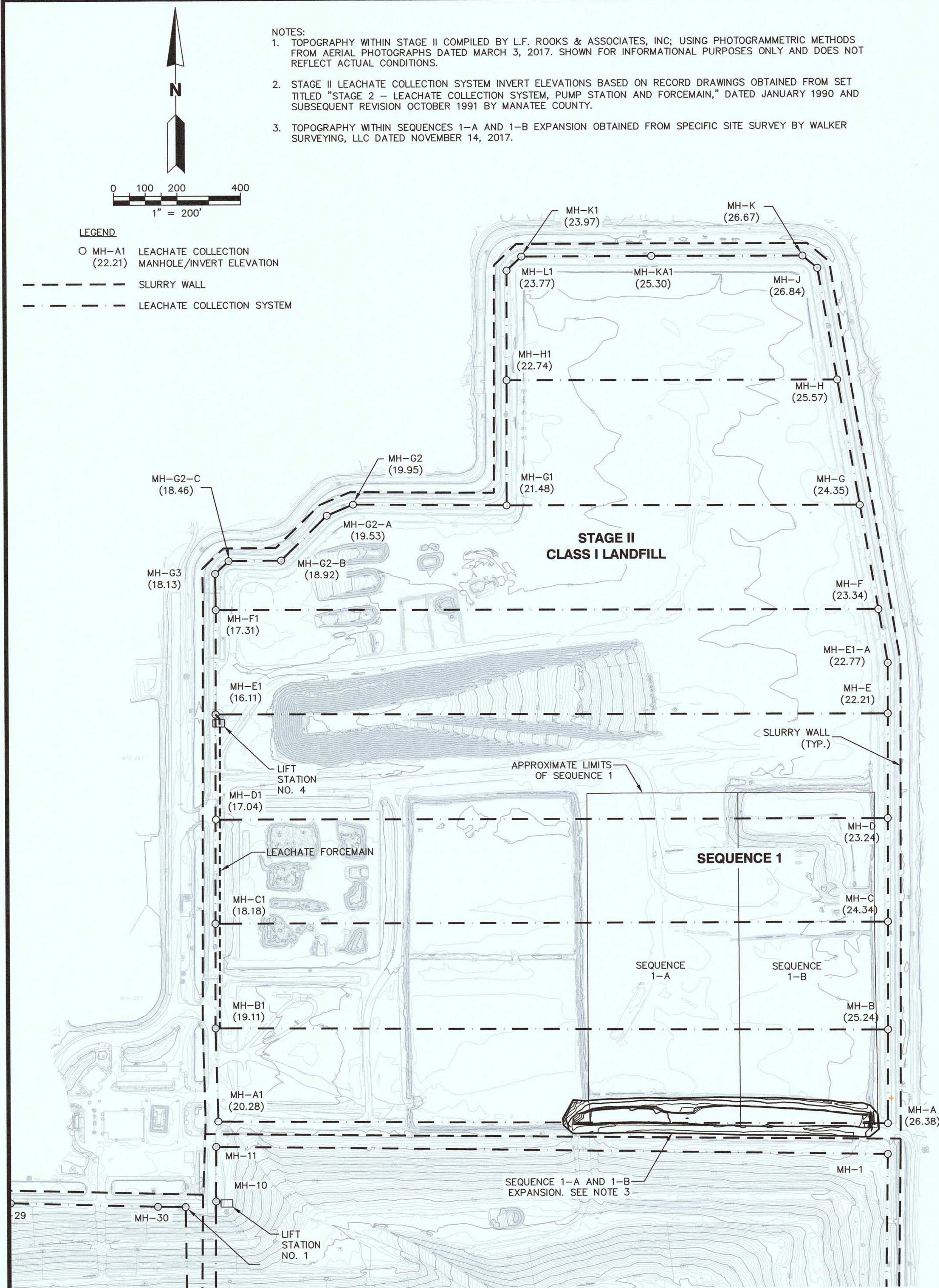


C:\Users\4382k\appdata\local\temp\AcPublish_13980\Certificate of completion.dwg Nov 27, 2017 - 10:47am Layout Name: Sequence 1A By: 4382k



| | | | |
|---------------|------|--|---------|
| SHEET TITLE | | SEQUENCE 1-A EXPANSION | |
| PROJECT TITLE | | CERTIFICATE OF CONSTRUCTION COMPLETION | |
| REV | DATE | DESCRIPTION | CHK. BY |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |

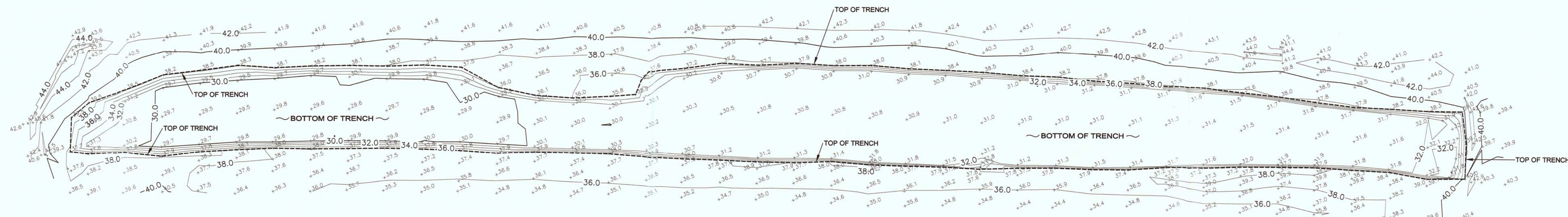
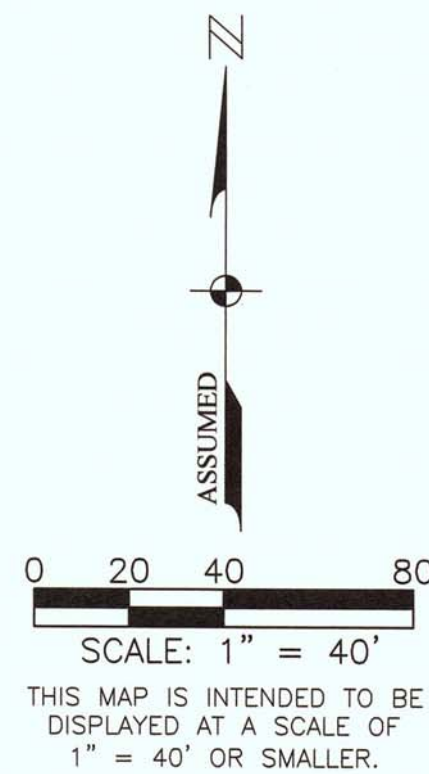
C:\Users\4382kcc\AppData\Local\Temp\AcPublish_13980\Certificate of completion.dwg Nov 27, 2017 10:48am Layout Name: Sequence 1B By: 4382kcc



| | |
|--|----------------|
| | |
| CHK. BY | DESCRIPTION |
| REV | DATE |
| SHEET TITLE SEQUENCE 1-B EXPANSION | |
| PROJECT TITLE CERTIFICATE OF CONSTRUCTION COMPLETION | |
| CLIENT MANATEE COUNTY UTILITIES DEPARTMENT SOLID WASTE DIVISION 3333 LENA ROAD BRADENTON, FL 34211 | |
| SCS ENGINEERS STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS 3922 COCONUT PALM DRIVE SUITE 102, TAMPA, FL 33619 PH (813) 821-0080 FAX NO. (813) 623-6757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892 | |
| PROJ. NO. 09217088.01 | DWN. BY KCC |
| Q/A R/W BY SRF | APP. BY CAR |
| DSN. BY CAR | CHK. BY SRF |
| CADD FILE: CERTIFICATE OF COMPLETION | |
| DATE: NOVEMBER 2017 | |
| SCALE: AS SHOWN | |
| DRAWING NO. 2 | |
| SHEET 2 of 2 | |

SITE BENCHMARK "TBM 3"
FOUND MAG NAIL & DISK
STAMPED "ATKINS LB 24"
EL. = 39.85' (NGVD 1929)
N 1142138.71'
E 511466.85'
(BENCHMARK LOCATION NOT TO SCALE)

SITE BENCHMARK "TBM 4"
FOUND MAG NAIL & DISK
STAMPED "ATKINS LB 24"
EL. = 38.72' (NGVD 1929)
N 1142170.20'
E 513662.02'
(BENCHMARK LOCATION AS PROVIDED)



GENERAL NOTES:

1. DATE OF LAST FIELD WORK: NOVEMBER 14, 2017.
2. THIS SURVEY WAS PERFORMED ON THE SOUTHEASTERN PORTION OF SEQUENCE 1-A AND SEQUENCE 1-B AT THE LENA ROAD CLASS I LANDFILL LOCATED AT 3333 LENA ROAD, BRADENTON, FL 34211, FOR THE PURPOSE OF PROVIDING THE HORIZONTAL & VERTICAL LOCATIONS OF THE EXPANSION.
3. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1929, BASED ON BASED ON BENCHMARKS "TBM 3" AND "TBM 4", AS SHOWN ON A TOPOGRAPHIC SURVEY PREPARED BY ATKINS NORTH AMERICA, INC., DATED MAY 9, 2016, JOB NO. 100047674 (PROVIDED BY CLIENT).
4. THE ELEVATIONS OF FEATURES DEPICTED ON THIS SURVEY MAP WERE MEASURED TO AN ESTIMATED VERTICAL POSITIONAL ACCURACY OF 1/10 FOOT FOR NATURAL GROUND SURFACES, FROM MEASUREMENTS ACQUIRED USING A GLOBAL POSITIONING SYSTEM (GPS).
5. COORDINATES SHOWN ON THIS SURVEY ARE REFERENCED TO THE STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE, NAD 1983 (2011) HORIZONTAL DATUM, US SURVEY FOOT, AS SHOWN AND BASED ON BENCHMARKS "TBM 3" AND "TBM 4", ON A TOPOGRAPHIC SURVEY PREPARED BY ATKINS NORTH AMERICA, INC., DATED MAY 9, 2016, JOB NO. 100047674 (PROVIDED BY CLIENT).
6. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. THEREFORE, THE UNDERSIGNED SURVEYOR MAKES NO GUARANTEES OR REPRESENTATIONS REGARDING INFORMATION SHOWN HEREON PERTAINING TO ANY EASEMENTS, RESERVATIONS, SETBACK LINES, AGREEMENTS, RIGHTS OF WAY OR OTHER SIMILAR MATTERS.
7. SUBSURFACE SOIL CONDITIONS WERE NOT DETERMINED, AS THIS FALLS OUTSIDE THE PURVIEW OF THIS SURVEY. THESE CONDITIONS MAY INCLUDE THE DETERMINATION OF WETLANDS, FILLED-IN AREAS, GEOLOGICAL/ARCHEOLOGICAL CONDITIONS OR POSSIBLE CONTAMINATION BY HAZARDOUS LIQUID OR SOLID WASTE THAT MAY OCCUR WITHIN, UPON, ACROSS, ABUTTING OR ADJACENT TO THE PROJECT AREA.
8. CONTOURS SHOWN HEREON ARE AT A 2' INTERVAL.
9. THIS IS NOT A BOUNDARY SURVEY, NOR IS IT INTENDED TO BE USED AS ONE.

SEQUENCE 1-A AND 1-B EXPANSION

GENERAL LEGEND

- 30.0 = CONTOUR ELEVATION (IN FEET)
- 40.00 = EXISTING ELEVATION (AT TIME OF SURVEY)
- EL = ELEVATION
- TBM = TEMPORARY BENCHMARK (AS PROVIDED)
- NAD 83 (2011) = NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT)
- NGVD 1929 = NATIONAL GEODETIC VERTICAL DATUM OF 1929
- ⬠ = BENCHMARK (LOCATION AS PROVIDED)

THIS SURVEY IS ONLY FOR THE BENEFIT OF:
SCS ENGINEERS

IN MY PROFESSIONAL OPINION, AS A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER, THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY MADE AND PLATTED UNDER MY DIRECTION, DATED AS SHOWN IN SURVEYOR'S NOTE 1 AND MADE IN ACCORDANCE WITH CHAPTER 472.027, FLORIDA STATUTES.

Robby J. Walker
ROBBY J. WALKER (FOR THE FIRM LB #7777)
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 66629
DATE SIGNED: 11-14-17
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. THIS CERTIFICATION IS TO THE DATE OF LAST FIELD WORK AS SHOWN AND NOT THE SIGNATURE DATE.

| REVISIONS | | |
|-----------|-------------|------|
| NO. | DESCRIPTION | DATE |
| | | |
| | | |
| | | |

PREPARED FOR:
SCS ENGINEERS

LENA ROAD CLASS I LANDFILL
3333 Lena Road, Bradenton, FL 34211
MANATEE COUNTY, FLORIDA



3375 NW COUNTY ROAD 661A
ARCADIA, FL 34266
PHONE (863) 244-9609
LB #7777

TOPOGRAPHIC SURVEY

| DATE | PROJECT NO. | FILE NO. | SCALE | SHEET |
|----------|-------------|----------|----------|--------|
| 11/14/17 | 20170047 | 13-38-23 | 1" = 40' | 1 OF 1 |