



May 8, 2025  
Adams Homes  
149 US Hwy 70 West  
Garner, NC

RALEIGH SOUTH  
MAY 09 2025  
RECEIVED

Attention: Marty Stephenson 919-631-8879; [raleighclosing@adamshomes.com](mailto:raleighclosing@adamshomes.com), [raleighpermits@adamshomes.com](mailto:raleighpermits@adamshomes.com),  
[bjohnson@adamshomes.com](mailto:bjohnson@adamshomes.com)

Engineering - Field Observation and Analysis - Left Side  
Lot 40 Kipling Creek Subdivision  
168 Northwood Drive, Fuquay Varina, NC  
Project No. 25PG-0508A BAM, Harnett County Permit No. SFD 2411-0033

The site was visited on **April 24, 2025**, to observe and assess the **left-side slope** at the above-referenced home site. The **fill slope** was found to be **soil-covered with little to no vegetation or grass cover**, which may contribute to potential erosion.

#### Survey and Analysis:

Initial **field leveling measurements** suggested the need for a more precise assessment, and a **topographic survey** was subsequently provided by **ECLS Global, Inc.**

- **Field work date:** April 25, 2025
- **Drawing (DWG) date:** April 28, 2025
- *(See attached survey with topographic contours along the left side of the property.)*

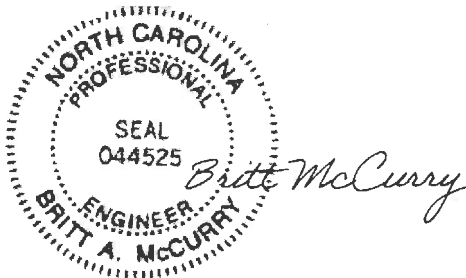
Based on the survey data, a series of **cross-sections (Sections 1-1, 2-2, 3-3, 4-4, and 5-5)** were developed. Analysis of these cross-sections indicates that:

- The **existing slopes fall within the 2:1 zone of influence** of the **residential structure's foundation elements**.
- The cross-sections measured **perpendicular to the home** show an **approximate 5-foot or greater berm** at the top of the slope, followed by a **2H:1V (horizontal to vertical) slope** within the zone of influence.

#### Recommendations for Erosion Control:

To help **minimize the risk of erosion** and protect the slope:

- **Roof gutters** should be **hard piped to discharge at the bottom of the slope** to prevent concentrated surface runoff along the slope face.
- The slope should be **seeded and covered with straw** to encourage **vegetative growth** and **stabilize the soil surface**.



Britt McCurry

This report is intended exclusively for the client's use. B.A. McCurry Engineering (BAM) accepts no liability for its use or interpretation by any third party. Parties with an interest in this property are advised to obtain an independent professional evaluation tailored to their requirements. Should unforeseen conditions or substantial deviations from the specified scope of work arise during repairs, please notify BAM prior to continuing.



FRONT 25'/20'  
SIDE 10'/5'  
REAR 20'/15'  
SIDE STREET 20'/15'

**IMPERVIOUS AREA**  
HOUSE 2,335 SQ.FT.  
DRIVE TO R/W 366 SQ.FT.  
WALK 36 SQ.FT.  
AC PAD 9 SQ.FT.  
  
TOTAL 2,746 SQ.FT.

OPEN  
SPACE

DISTANCES IN U.S. SURVEY FEET UNLESS  
OTHERWISE NOTED.

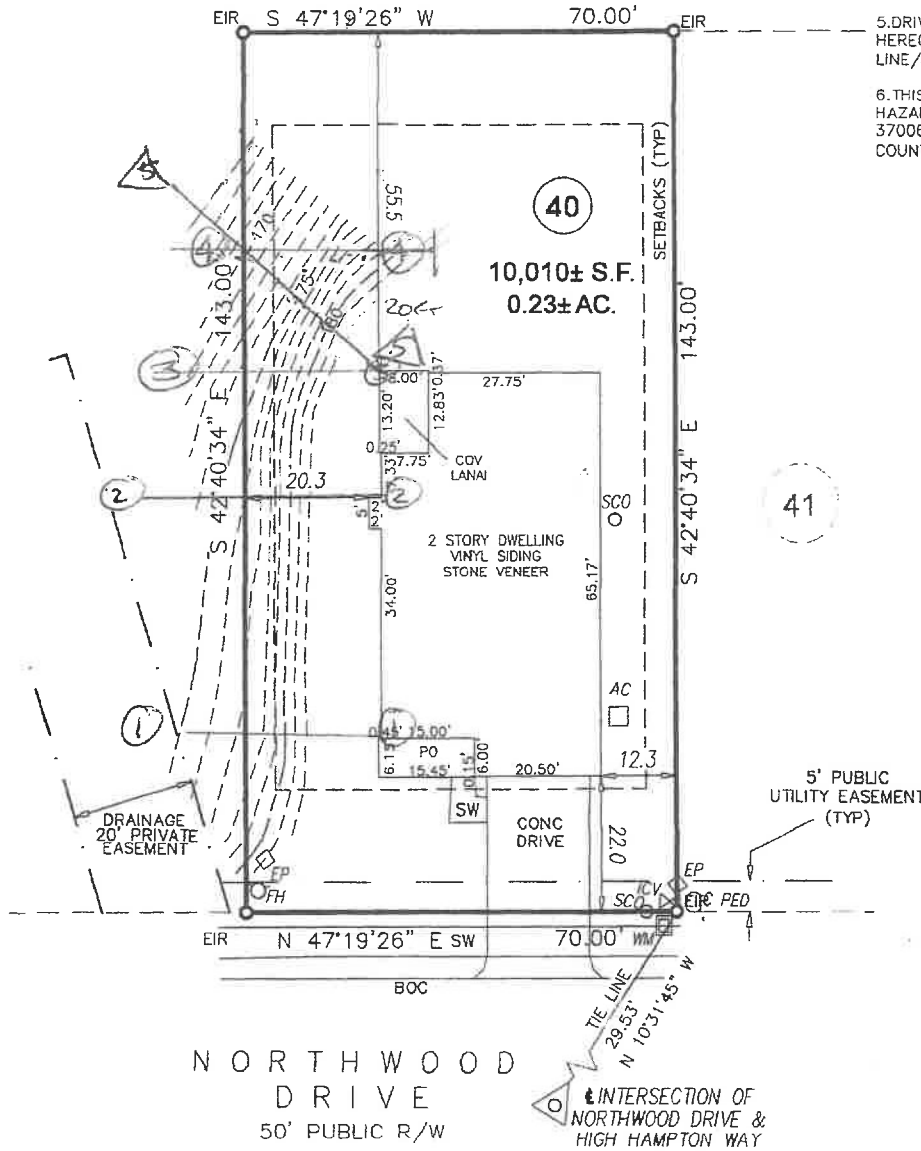
2. AREAS SHOWN HEREON WERE COMPUTED USING  
THE COORDINATE METHOD.

3. LINES NOT SURVEYED ARE SHOWN AS DASHED  
LINES FROM INFORMATION REFERENCED ON THE  
FACE OF THIS  
SURVEY.

4. PROPERTY MAY BE SUBJECT TO ANY/ALL  
EASEMENTS AND RESTRICTIONS OF RECORD. THIS  
SURVEY IS A CORRECT REPRESENTATION OF THE  
LAND PLATTED AND OR DEEDED AND HAS BEEN  
PREPARED WITHOUT THE BENEFIT OF A TITLE  
REPORT. A NORTH CAROLINA LICENSED  
ATTORNEY-AT-LAW SHOULD BE CONSULTED  
REGARDING CORRECT OWNERSHIP, WIDTH AND  
LOCATION OF EASEMENTS, AND OTHER TITLE  
QUESTIONS REVEALED BY TITLE EXAMINATION.

5. DRIVEWAY IMPERVIOUS CALCULATION SHOWN  
HEREON CALCULATED TO THE FRONT PROPERTY  
LINE/RIGHT-OF-WAY.

6. THIS PARCEL IS NOT LOCATED WITHIN A FLOOD  
HAZARD ZONE AS INDICATED ON CID NO.  
370064200 PANEL 0642, SUFFIX J HARNNETT  
COUNTY WITH AN EFFECTIVE DATE OF 10/3/2006.



GRAPHIC SCALE



1 inch = 30 ft.

FINAL SURVEY

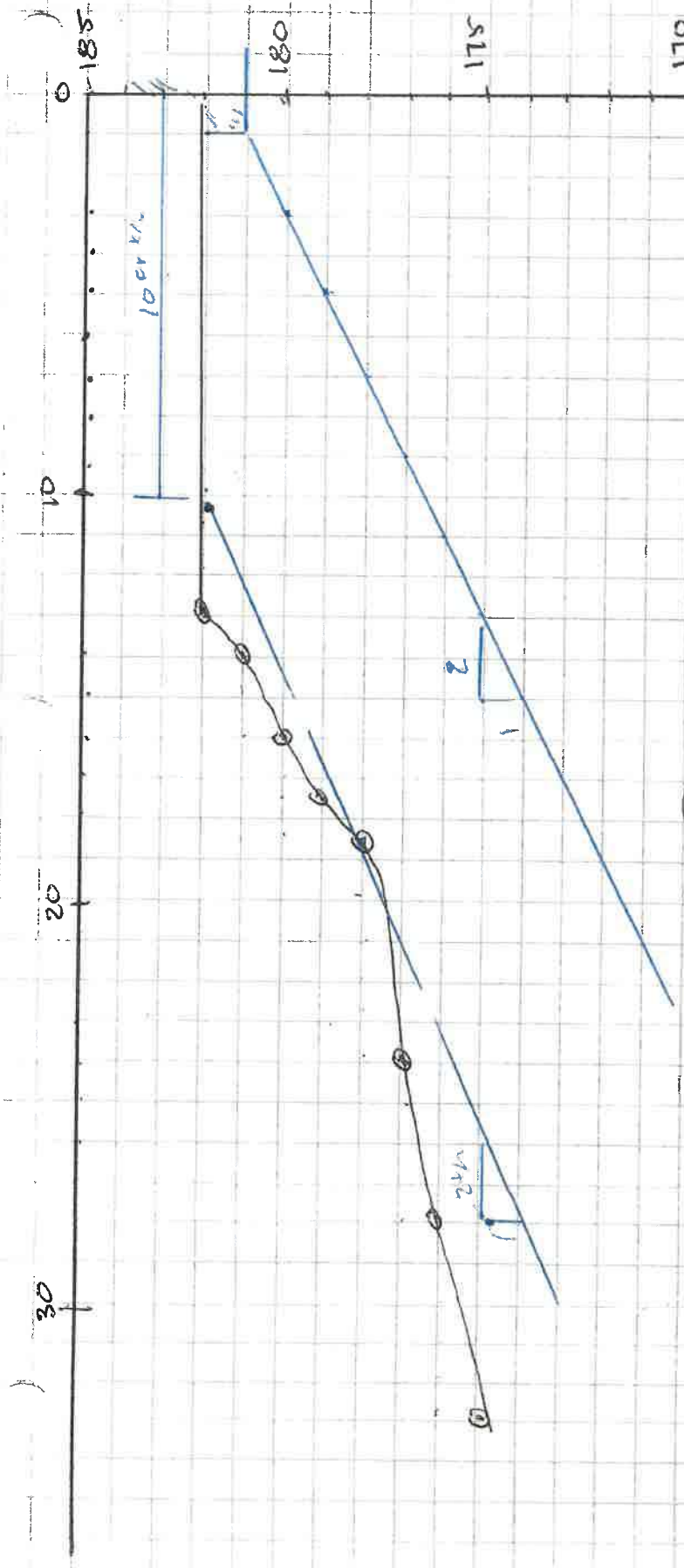
PROJECT: KIPLING CREEK  
DRAWN BY: VIH/TKR/SEER  
SURVEYED BY: J. FARTHING  
SCALE: 1"=30'  
FIELD WORK: 04-25-2025  
DWG DATE: 04-28-2025

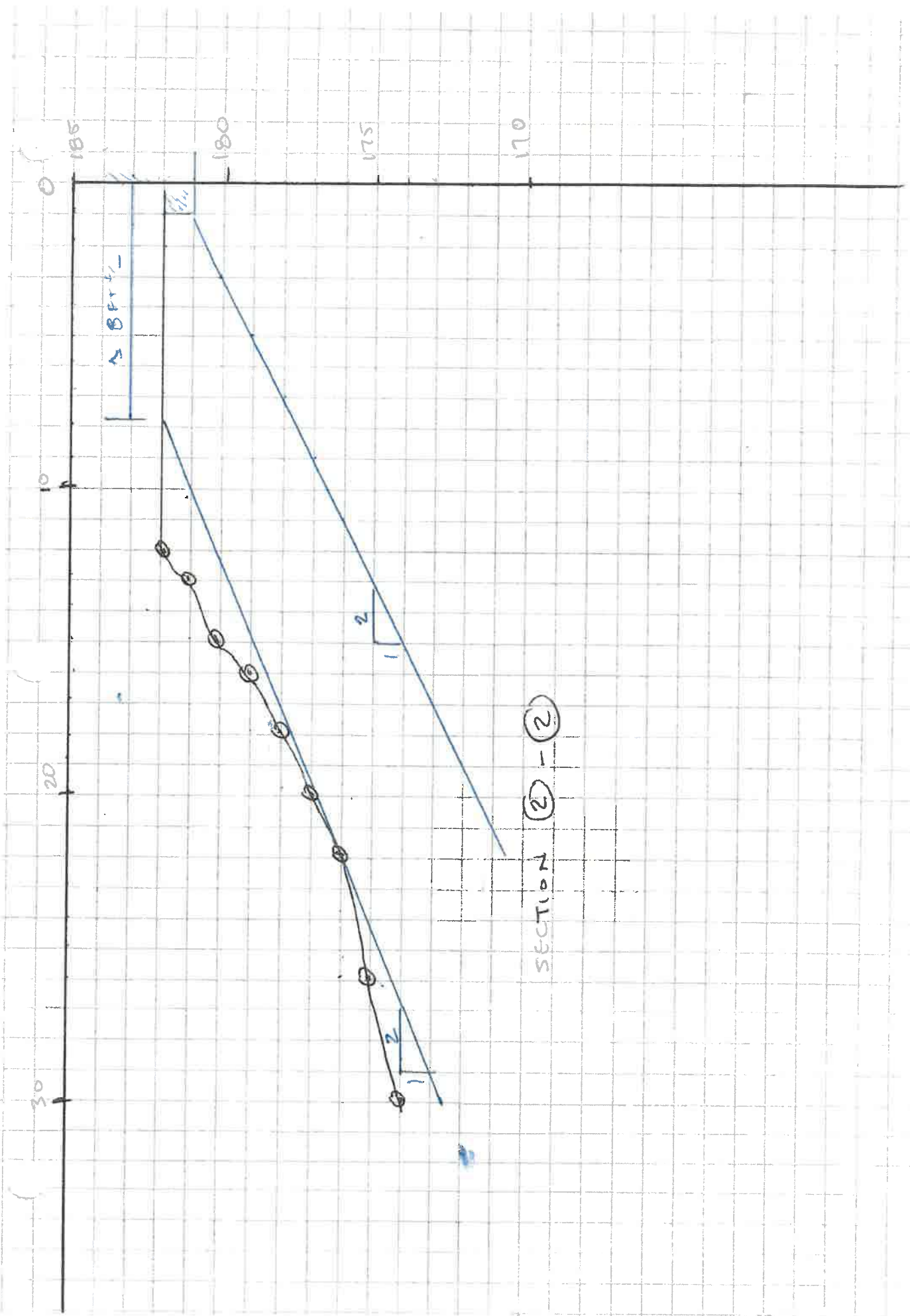
FOR  
ADAMS HOMES  
NORTHWOOD DRIVE  
LOT 40 KIPLING CREEK

HECTORS CREEK, BLACK RIVER, & NEILLS CREEK TWP., HARNETT CO., NC  
P.B. 2024, PG. 325-330.

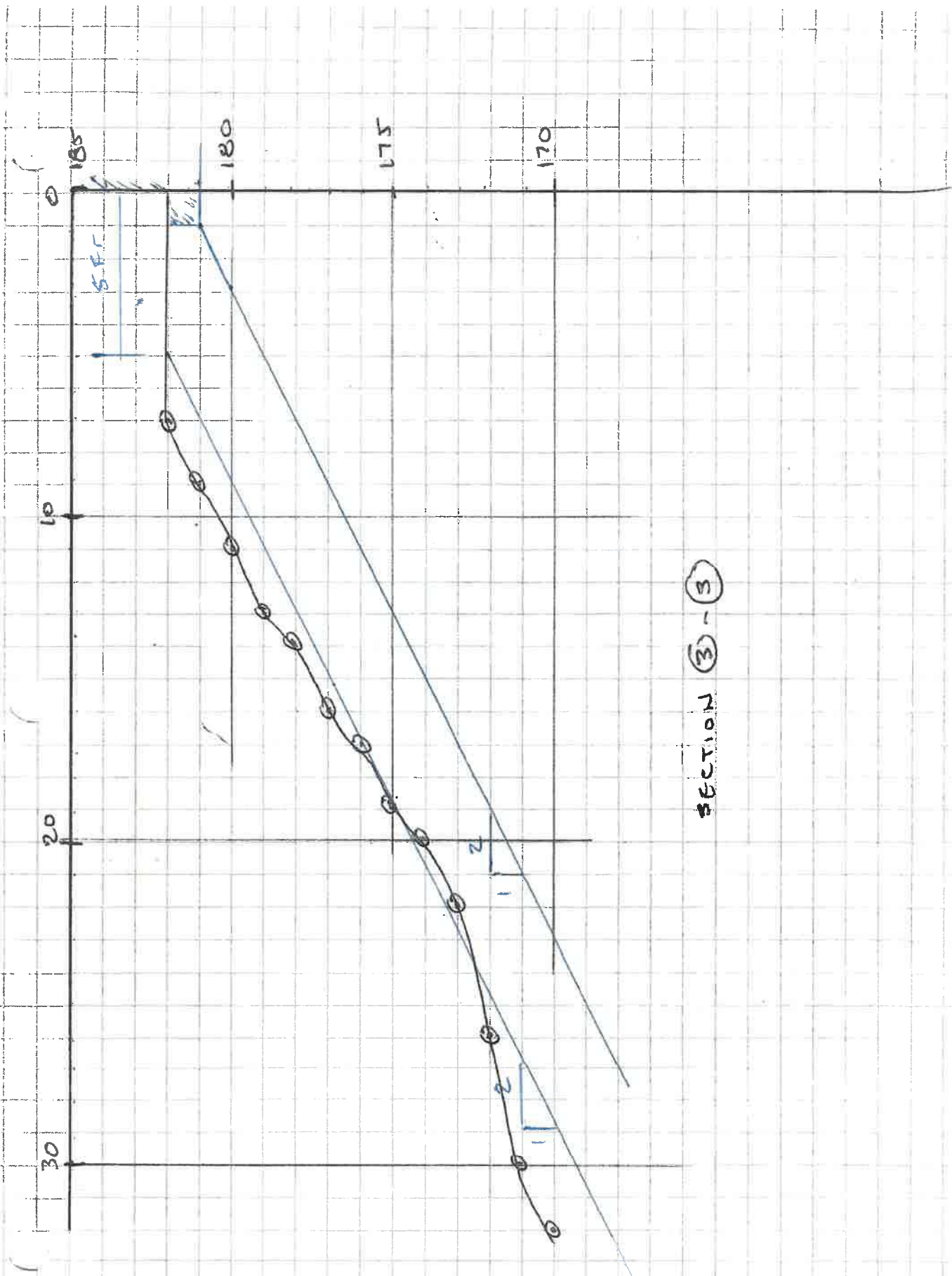


**ECLS**  
GLOBAL, INC.  
U.S. VETERAN-OWNED  
19 N MCKINLEY ST  
COATS, NC 27521  
910.897.3257 ECLS@GLOBALINC.COM  
910.897.2329 (FAX) CO#C-4175





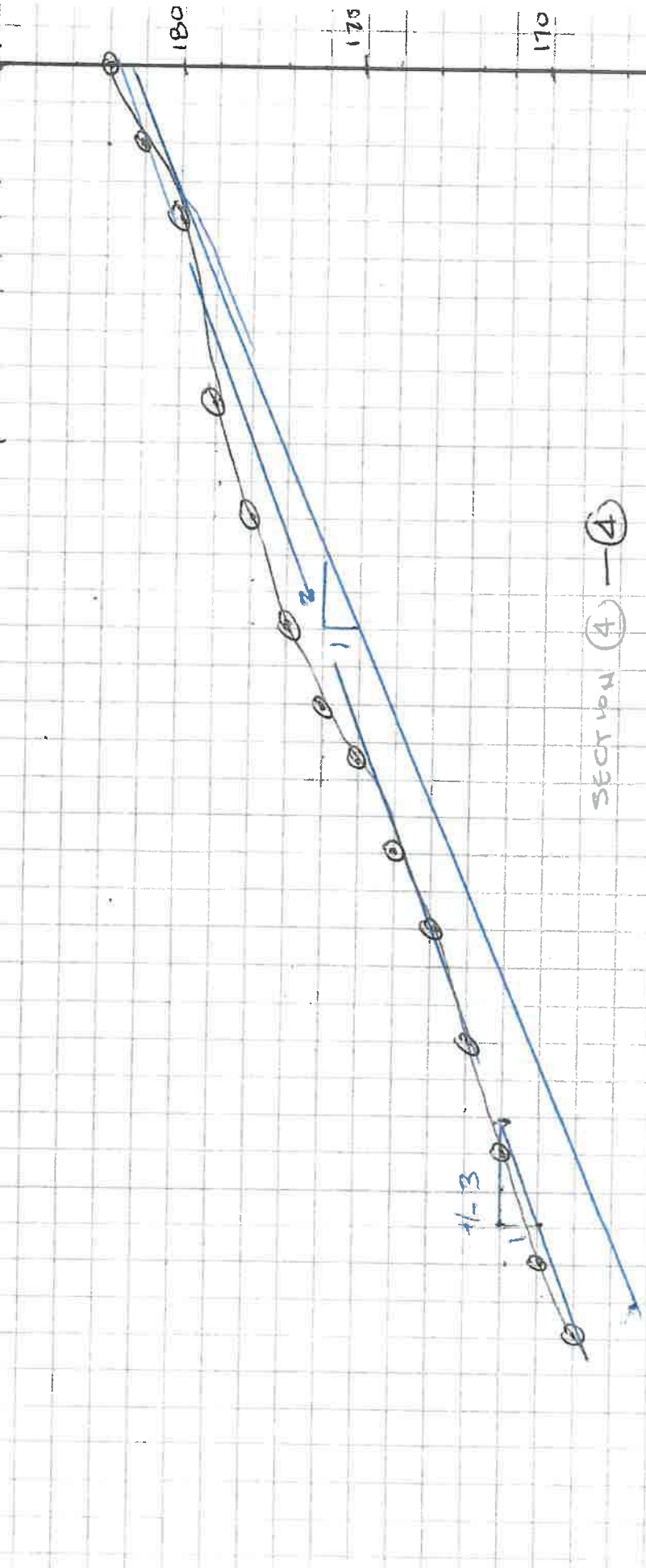
SECTION 2-2



SECTION 3-3



30 20 10 0 -10 -185



SECTION (4) — (4)

20 FT FROM REAR OF STRUCTURE

SECTION 5-5

