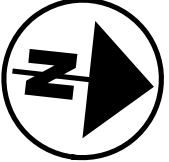


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DESIGN AGENCY



DESIGNER

AJC

REVIEWER

SAT 01-25-24

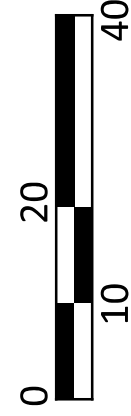
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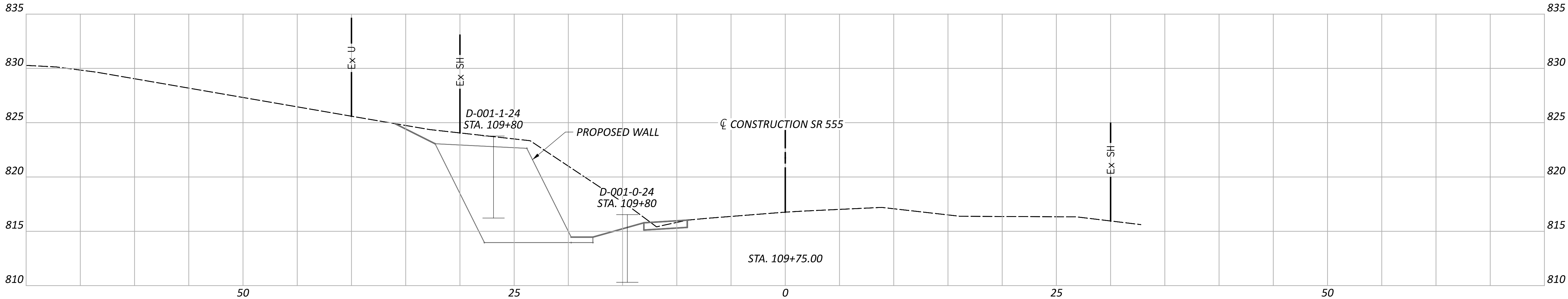
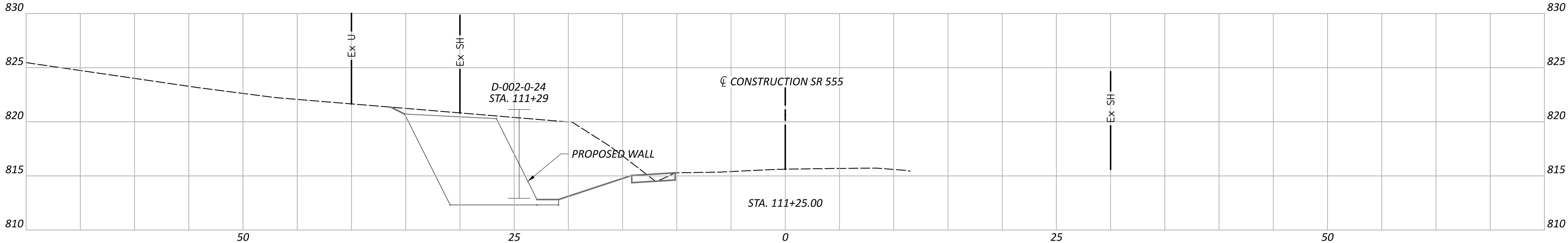
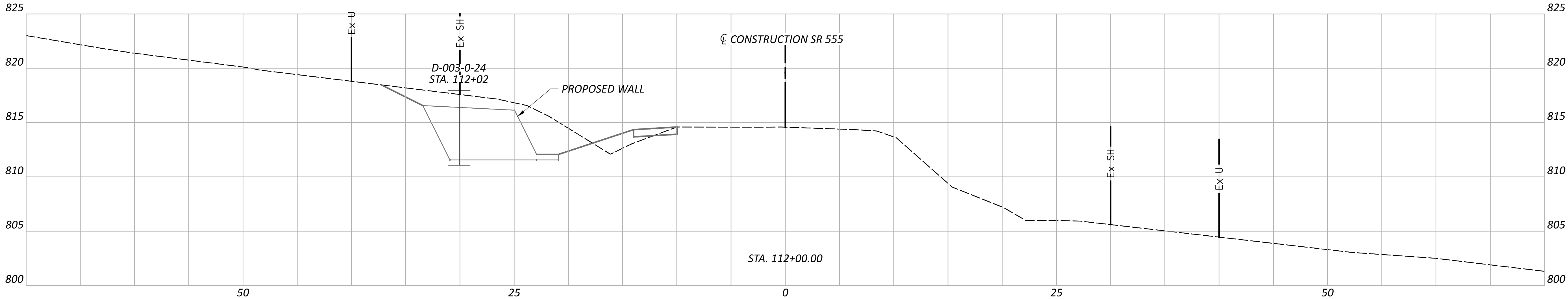
| SUBSET | TOTAL |
|--------|-------|
|--------|-------|

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|---|---|
| 1 | 8 |
|---|---|

|       |       |
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| SHEET | TOTAL |
| 1     | 1     |

|     |   |
|-----|---|
| P.0 | 0 |
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HORIZONTAL  
SCALE IN FEET



DRAFT GEOTECHNICAL PROFILE - LANDSLIDE  
CROSS SECTIONS FOR STA. 109+75, STA. 111+25, & STA. 112+00 SR 555

DESIGN AGENCY



DESIGNER

AIC

REVIEWER

SAT 01-25-24

PROJECT ID

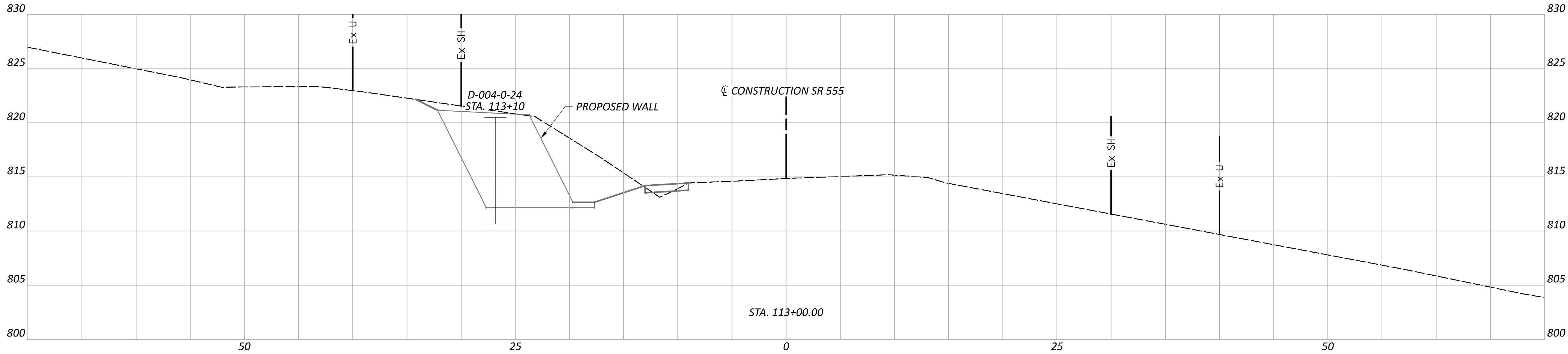
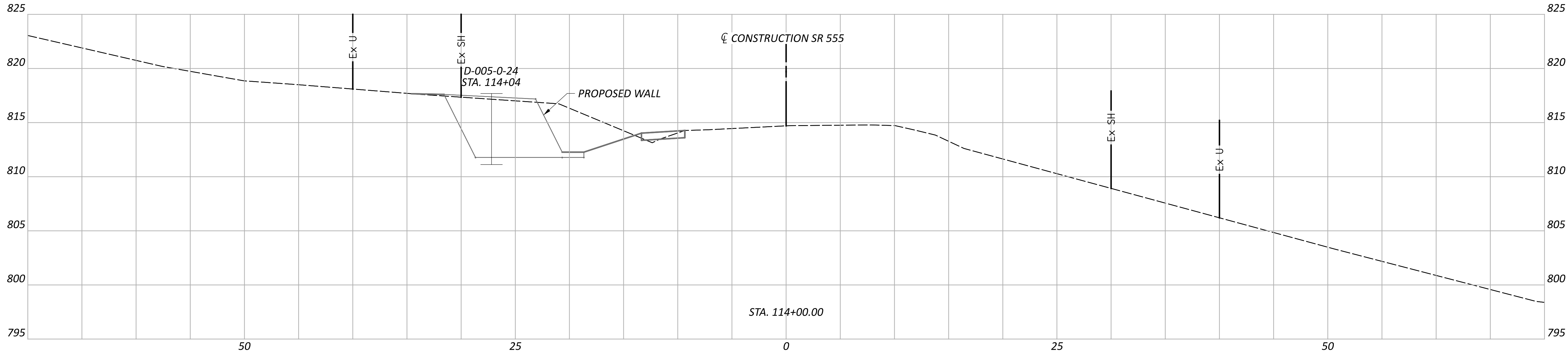
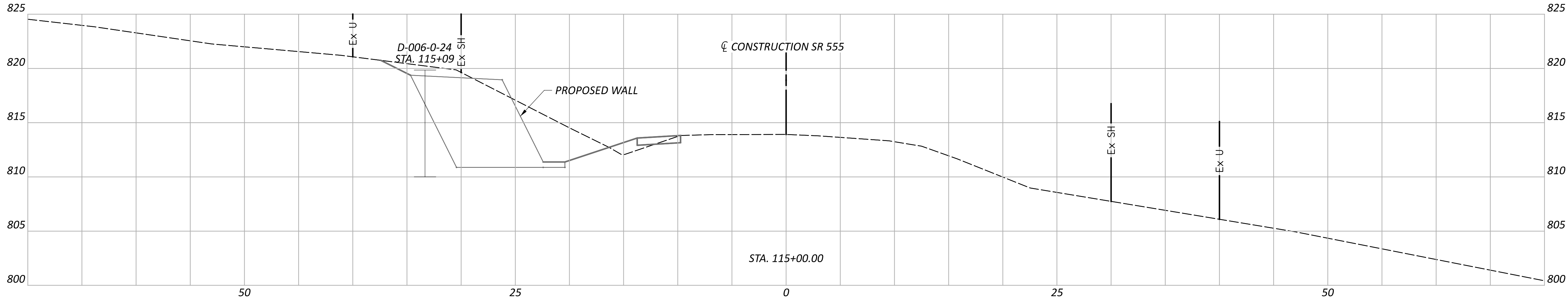
118690

SUBSET TOTAL

2 8

SHEET TOTAL

P.0 0



DRAFT GEOTECHNICAL PROFILE - LANDSLIDE  
CROSS SECTIONS FOR STA. 113+00, STA. 114+00, & STA. 115+00 SR 555

DESIGN AGENCY



DESIGNER

AIC

REVIEWER

SAT 01-25-24

PROJECT ID

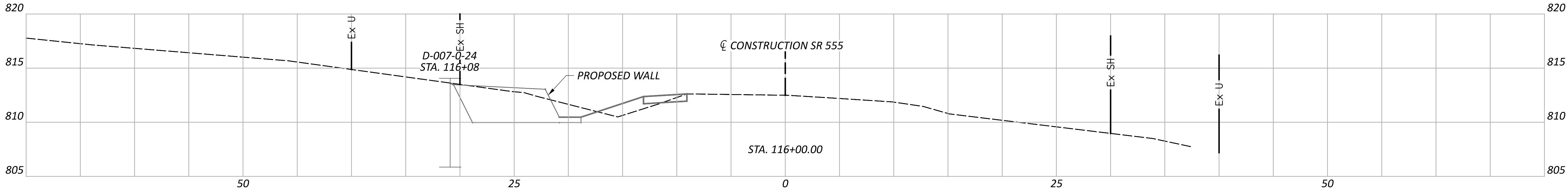
118690

SUBSET TOTAL

3 8

SHEET TOTAL

P.0 0





**MUS-555-2.30**

MODEL: Sheet\_SurvFt PAPERSIZE: 34x22 (in.) DATE: 1/25/2024 TIME: 10:42:50 AM USER: achudzki  
pw: \\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\

## Page 1 of 1

|                 |            |
|-----------------|------------|
| PROJECT NUMBER: | 118690     |
| DATE STARTED:   | 01-22-2024 |
| DATE COMPLETED: | 01-22-2024 |

|                      |           |
|----------------------|-----------|
| SURFACE ELEVATION:   | 816.5     |
| WATER ON COMPLETION: | Dry       |
| HAMMER WEIGHT:       | 35 lbs.   |
| CONE AREA:           | 10 sq. cm |

| DEPTH | BLOWS<br>PER 10 cm | RESISTANCE<br>Kg/cm <sup>2</sup> | GRAPH OF CONE RESISTANCE | N' | TESTED CONSISTENCY |              |
|-------|--------------------|----------------------------------|--------------------------|----|--------------------|--------------|
|       |                    |                                  |                          |    | NON-COHESIVE       | COHESIVE     |
| 1 ft  | 1                  | 4.4                              | •                        | 1  | VERY LOOSE         | VERY SOFT    |
|       | 2                  | 8.9                              | ••                       | 2  | VERY LOOSE         | SOFT         |
|       | 3                  | 13.3                             | •••                      | 3  | VERY LOOSE         | SOFT         |
|       | 1                  | 4.4                              | •                        | 1  | VERY LOOSE         | VERY SOFT    |
| 2 ft  | 2                  | 8.9                              | ••                       | 2  | VERY LOOSE         | SOFT         |
|       | 2                  | 8.9                              | ••                       | 2  | VERY LOOSE         | SOFT         |
|       | 7                  | 31.1                             | •••••••                  | 8  | LOOSE              | MEDIUM STIFF |
| 3 ft  | 9                  | 40.0                             | ••••••••                 | 11 | MEDIUM DENSE       | STIFF        |
|       | 8                  | 35.5                             | •••••••                  | 10 | LOOSE              | STIFF        |
|       | 12                 | 53.3                             | ••••••••••               | 15 | MEDIUM DENSE       | STIFF        |
| 4 ft  | 14                 | 54.0                             | ••••••••••               | 15 | MEDIUM DENSE       | STIFF        |
|       | 16                 | 61.8                             | •••••••••••              | 17 | MEDIUM DENSE       | VERY STIFF   |
|       | 15                 | 57.9                             | ••••••••••               | 16 | MEDIUM DENSE       | VERY STIFF   |
| 5 ft  | 16                 | 61.8                             | ••••••••••               | 17 | MEDIUM DENSE       | VERY STIFF   |
|       | 18                 | 69.5                             | ••••••••••••             | 19 | MEDIUM DENSE       | VERY STIFF   |
|       | 18                 | 69.5                             | ••••••••••••             | 19 | MEDIUM DENSE       | VERY STIFF   |
| 6 ft  | 19                 | 73.3                             | •••••••••••••            | 20 | MEDIUM DENSE       | VERY STIFF   |
|       | 16                 | 61.8                             | ••••••••••               | 17 | MEDIUM DENSE       | VERY STIFF   |
|       | 16                 | 61.8                             | ••••••••••               | 17 | MEDIUM DENSE       | VERY STIFF   |
| 7 ft  |                    |                                  |                          |    |                    |              |
| 8 ft  |                    |                                  |                          |    |                    |              |
| 9 ft  |                    |                                  |                          |    |                    |              |
| 10 ft |                    |                                  |                          |    |                    |              |
| 11 ft |                    |                                  |                          |    |                    |              |
| 12 ft |                    |                                  |                          |    |                    |              |
| 13 ft |                    |                                  |                          |    |                    |              |

## Page 1 of 1

|                 |            |
|-----------------|------------|
| PROJECT NUMBER: | 118690     |
| DATE STARTED:   | 01-22-2024 |
| DATE COMPLETED: | 01-22-2024 |

|                      |           |
|----------------------|-----------|
| SURFACE ELEVATION:   | 823.8     |
| WATER ON COMPLETION: | Dry       |
| HAMMER WEIGHT:       | 35 lbs.   |
| CONE AREA:           | 10 sq. cm |

| DEPTH |       | BLOWS<br>PER 10 cm | RESISTANCE<br>Kg/cm <sup>2</sup> | GRAPH OF CONE RESISTANCE |    |     |     | N' | TESTED CONSISTENCY |              |
|-------|-------|--------------------|----------------------------------|--------------------------|----|-----|-----|----|--------------------|--------------|
|       |       |                    |                                  | 0                        | 50 | 100 | 150 |    | NON-COHESIVE       | COHESIVE     |
| 1 ft  |       | 4                  | 17.8                             | .....                    |    |     |     | 5  | LOOSE              | MEDIUM STIFF |
|       |       | 3                  | 13.3                             | ...                      |    |     |     | 3  | VERY LOOSE         | SOFT         |
|       |       | 3                  | 13.3                             | ...                      |    |     |     | 3  | VERY LOOSE         | SOFT         |
|       |       | 2                  | 8.9                              | ..                       |    |     |     | 2  | VERY LOOSE         | SOFT         |
|       |       | 2                  | 8.9                              | ..                       |    |     |     | 2  | VERY LOOSE         | SOFT         |
|       |       | 2                  | 8.9                              | ..                       |    |     |     | 2  | VERY LOOSE         | SOFT         |
| 2 ft  |       | 2                  | 8.9                              | ..                       |    |     |     | 2  | VERY LOOSE         | SOFT         |
|       |       | 2                  | 8.9                              | ..                       |    |     |     | 2  | VERY LOOSE         | SOFT         |
|       |       | 3                  | 13.3                             | ...                      |    |     |     | 3  | VERY LOOSE         | SOFT         |
| 3 ft  |       | 5                  | 22.2                             | .....                    |    |     |     | 6  | LOOSE              | MEDIUM STIFF |
|       |       | 4                  | 17.8                             | ....                     |    |     |     | 5  | LOOSE              | MEDIUM STIFF |
|       |       | 5                  | 19.3                             | ....                     |    |     |     | 5  | LOOSE              | MEDIUM STIFF |
| 4 ft  |       | 7                  | 27.0                             | .....                    |    |     |     | 7  | LOOSE              | MEDIUM STIFF |
|       |       | 7                  | 27.0                             | .....                    |    |     |     | 7  | LOOSE              | MEDIUM STIFF |
|       |       | 7                  | 27.0                             | .....                    |    |     |     | 7  | LOOSE              | MEDIUM STIFF |
| 5 ft  |       | 7                  | 27.0                             | .....                    |    |     |     | 7  | LOOSE              | MEDIUM STIFF |
|       |       | 10                 | 38.6                             | .....                    |    |     |     | 11 | MEDIUM DENSE       | STIFF        |
|       |       | 11                 | 42.5                             | .....                    |    |     |     | 12 | MEDIUM DENSE       | STIFF        |
| 6 ft  |       | 14                 | 54.0                             | .....                    |    |     |     | 15 | MEDIUM DENSE       | STIFF        |
|       |       | 17                 | 65.6                             | .....                    |    |     |     | 18 | MEDIUM DENSE       | VERY STIFF   |
|       |       | 20                 | 77.2                             | .....                    |    |     |     | 22 | MEDIUM DENSE       | VERY STIFF   |
| 7 ft  |       | 22                 | 75.2                             | .....                    |    |     |     | 21 | MEDIUM DENSE       | VERY STIFF   |
|       |       | 25                 | 85.5                             | .....                    |    |     |     | 24 | MEDIUM DENSE       | VERY STIFF   |
|       |       | 25                 | 85.5                             | .....                    |    |     |     | 24 | MEDIUM DENSE       | VERY STIFF   |
| 8 ft  |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
| 9 ft  |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
| 3 m   | 10 ft |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
| 11 ft |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
| 12 ft |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
| 4 m   | 13 ft |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |
|       |       |                    |                                  |                          |    |     |     |    |                    |              |

DRAFT GEOTECHNICAL PROFILE - LANDSLIDE  
WDCP SOUNDING LOGS FOR D-001-0-24 & D-001-1-24

DESIGN AGENCY



DESIGNER

AJC

REVIEWER

SAT 01-25-24

PROJECT ID

118690

| SUBSET | TOTAL |
|--------|-------|
|--------|-------|

5 |

|       |       |
|-------|-------|
| SHEET | TOTAL |
|-------|-------|

P.0 |

WILDCAT DYNAMIC CONE LOG

The Ohio Department of Transportation  
Office of Geotechnical Engineering  
1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 118690  
DATE STARTED: 01-22-2024  
DATE COMPLETED: 01-22-2024

HOLE #: D-002-0-24  
CREW: Taliaferro, Jalbrzikowski, Painter  
PROJECT: MUS-555-2.30  
LAT/LONG: 39.792559, -81.98213  
LOCATION: Muskingum County

SURFACE ELEVATION: 821.1  
WATER ON COMPLETION: Dry  
HAMMER WEIGHT: 35 lbs.  
CONE AREA: 10 sq. cm

| DEPTH       | BLOWS<br>PER 10 cm | RESISTANCE<br>Kg/cm² | GRAPH OF CONE RESISTANCE<br>0 50 100 150 | N' | TESTED CONSISTENCY |              |
|-------------|--------------------|----------------------|--|----|--------------------|--------------|
|             |                    |                      |  |    | NON-COHESIVE       | COHESIVE     |
| -           | 4                  | 17.8                 | .....                                    | 5  | LOOSE              | MEDIUM STIFF |
| -           | 3                  | 13.3                 | ...                                      | 3  | VERY LOOSE         | SOFT         |
| - 1 ft      | 2                  | 8.9                  | ..                                       | 2  | VERY LOOSE         | SOFT         |
| -           | 2                  | 8.9                  | ..                                       | 2  | VERY LOOSE         | SOFT         |
| -           | 1                  | 4.4                  | .  | 1  | VERY LOOSE         | VERY SOFT    |
| - 2 ft      | 2                  | 8.9                  | ..                                       | 2  | VERY LOOSE         | SOFT         |
| -           | 2                  | 8.9                  | ..                                       | 2  | VERY LOOSE         | SOFT         |
| -           | 4                  | 17.8                 | .....                                    | 5  | LOOSE              | MEDIUM STIFF |
| - 3 ft      | 6                  | 26.6                 | .....                                    | 7  | LOOSE              | MEDIUM STIFF |
| - 1 m       | 6                  | 26.6                 | .....                                    | 7  | LOOSE              | MEDIUM STIFF |
| -           | 9                  | 34.7                 | .....                                    | 9  | LOOSE              | STIFF        |
| - 4 ft      | 12                 | 46.3                 | .....                                    | 13 | MEDIUM DENSE       | STIFF        |
| -           | 11                 | 42.5                 | .....                                    | 12 | MEDIUM DENSE       | STIFF        |
| -           | 11                 | 42.5                 | .....                                    | 12 | MEDIUM DENSE       | STIFF        |
| - 5 ft      | 12                 | 46.3                 | .....                                    | 13 | MEDIUM DENSE       | STIFF        |
| -           | 13                 | 50.2                 | .....                                    | 14 | MEDIUM DENSE       | STIFF        |
| -           | 12                 | 46.3                 | .....                                    | 13 | MEDIUM DENSE       | STIFF        |
| - 6 ft      | 13                 | 50.2                 | .....                                    | 14 | MEDIUM DENSE       | STIFF        |
| -           | 15                 | 57.9                 | .....                                    | 16 | MEDIUM DENSE       | VERY STIFF   |
| - 2 m       | 15                 | 57.9                 | .....                                    | 16 | MEDIUM DENSE       | VERY STIFF   |
| - 7 ft      | 14                 | 47.9                 | .....                                    | 13 | MEDIUM DENSE       | STIFF        |
| -           | 15                 | 51.3                 | .....                                    | 14 | MEDIUM DENSE       | STIFF        |
| -           | 24                 | 82.1                 | .....                                    | 23 | MEDIUM DENSE       | VERY STIFF   |
| - 8 ft      | 20                 | 68.4                 | .....                                    | 19 | MEDIUM DENSE       | VERY STIFF   |
| -           | 16                 | 54.7                 | .....                                    | 15 | MEDIUM DENSE       | STIFF        |
| -           |                    |                      |  |    |                    |              |
| -           |                    |                      |  |    |                    |              |
| - 9 ft      |                    |                      |  |    |                    |              |
| -           |                    |                      |  |    |                    |              |
| - 3 m 10 ft |                    |                      |  |    |                    |              |
| -           |                    |                      |  |    |                    |              |
| -           |                    |                      |  |    |                    |              |
| - 11 ft     |                    |                      |  |    |                    |              |
| -           |                    |                      |  |    |                    |              |
| - 12 ft     |                    |                      |  |    |                    |              |
| -           |                    |                      |  |    |                    |              |
| - 4 m 13 ft |                    |                      |  |    |                    |              |

WILDCAT DYNAMIC CONE LOG

The Ohio Department of Transportation  
Office of Geotechnical Engineering  
1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 118690  
DATE STARTED: 01-22-2024  
DATE COMPLETED: 01-22-2024

HOLE #: D-003-0-24  
CREW: Taliaferro, Jalbrzikowski, Painter  
PROJECT: MUS-555-2.30  
LAT/LONG: 39.792751, -81.982194  
LOCATION: Muskingum County

SURFACE ELEVATION: 817.9  
WATER ON COMPLETION: Dry  
HAMMER WEIGHT: 35 lbs.  
CONE AREA: 10 sq. cm

| DEPTH       | BLOWS<br>PER 10 cm | RESISTANCE<br>Kg/cm² | GRAPH OF CONE RESISTANCE<br>0 50 100 150 | N'  | TESTED CONSISTENCY |              |
|-------------|--------------------|----------------------|--|-----|--------------------|--------------|
|             |                    |                      |  |     | NON-COHESIVE       | COHESIVE     |
| -           | 5                  | 22.2                 | .....                                    | 6   | LOOSE              | MEDIUM STIFF |
| -           | 3                  | 13.3                 | ...                                      | 3   | VERY LOOSE         | SOFT         |
| - 1 ft      | 3                  | 13.3                 | ...                                      | 3   | VERY LOOSE         | SOFT         |
| -           | 2                  | 8.9                  | ..                                       | 2   | VERY LOOSE         | SOFT         |
| -           | 2                  | 8.9                  | ..                                       | 2   | VERY LOOSE         | SOFT         |
| - 2 ft      | 2                  | 8.9                  | ..                                       | 2   | VERY LOOSE         | SOFT         |
| -           | 3                  | 13.3                 | ...                                      | 3   | VERY LOOSE         | SOFT         |
| -           | 3                  | 13.3                 | ...                                      | 3   | VERY LOOSE         | SOFT         |
| - 3 ft      | 2                  | 8.9                  | ..                                       | 2   | VERY LOOSE         | SOFT         |
| - 1 m       | 2                  | 8.9                  | ..                                       | 2   | VERY LOOSE         | SOFT         |
| -           | 5                  | 19.3                 | .....                                    | 5   | LOOSE              | MEDIUM STIFF |
| - 4 ft      | 5                  | 19.3                 | .....                                    | 5   | LOOSE              | MEDIUM STIFF |
| -           | 6                  | 23.2                 | .....                                    | 6   | LOOSE              | MEDIUM STIFF |
| -           | 7                  | 27.0                 | .....                                    | 7   | LOOSE              | MEDIUM STIFF |
| - 5 ft      | 20                 | 77.2                 | .....                                    | 22  | MEDIUM DENSE       | VERY STIFF   |
| -           | 22                 | 84.9                 | .....                                    | 24  | MEDIUM DENSE       | VERY STIFF   |
| -           | 22                 | 84.9                 | .....                                    | 24  | MEDIUM DENSE       | VERY STIFF   |
| - 6 ft      | 24                 | 92.6                 | .....                                    | 25+ | MEDIUM DENSE       | VERY STIFF   |
| -           | 23                 | 88.8                 | .....                                    | 25  | MEDIUM DENSE       | VERY STIFF   |
| - 2 m       | 25                 | 96.5                 | .....                                    | 25+ | MEDIUM DENSE       | VERY STIFF   |
| - 7 ft      | 28                 | 95.8                 | .....                                    | 25+ | MEDIUM DENSE       | VERY STIFF   |
| -           |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| - 8 ft      |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| - 9 ft      |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| - 3 m 10 ft |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| - 11 ft     |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| - 12 ft     |                    |                      |  |     |                    |              |
| -           |                    |                      |  |     |                    |              |
| - 4 m 13 ft |                    |                      |  |     |                    |              |

DRAFT GEOTECHNICAL PROFILE - LANDSLIDE  
WDGP SOUNDING LOGS FOR D-002-0-24 & D-003-0-24



|               |       |
|---------------|-------|
| DESIGN AGENCY |       |
| AIC           |       |
| REVIEWER      |       |
| SAT 01-25-24  |       |
| PROJECT ID    |       |
| 118690        |       |
| SUBSET        | TOTAL |
| 6             | 8     |
| SHEET         | TOTAL |
| P.0           | 0     |



