09/08/99

# TIP PROJECT: W-5706S

# CONTRACT: DF00311

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

# COLUMBUS COUNTY

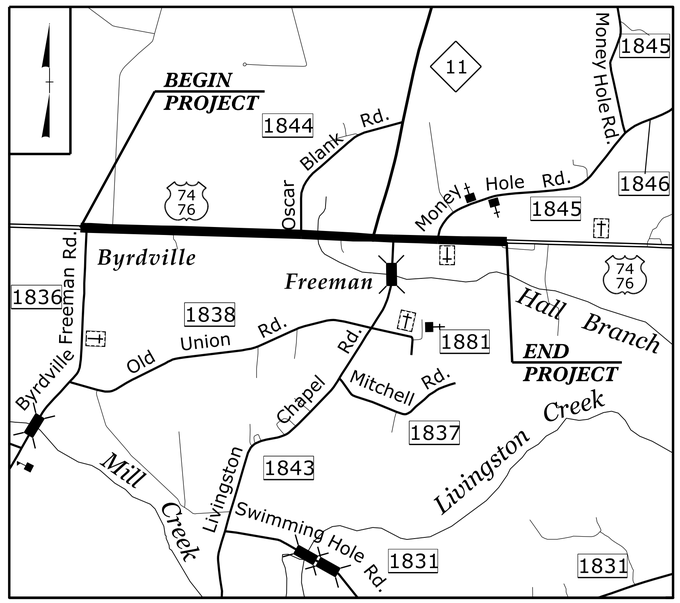
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| N.C. | W-5706S | 1 | |

| STATE PROJ. NO. | F. A. PROJ. NO. | DESCRIPTION |
|---|---|---|
| 44852.1.19 | HSIP-0074(220) | PE |
| 44852.2.19 | HSIP-0074(220) | ROW/UTIL |
| 44852.3.19 | HSIP-0074(220) | CONST |

***FINAL PLANS***

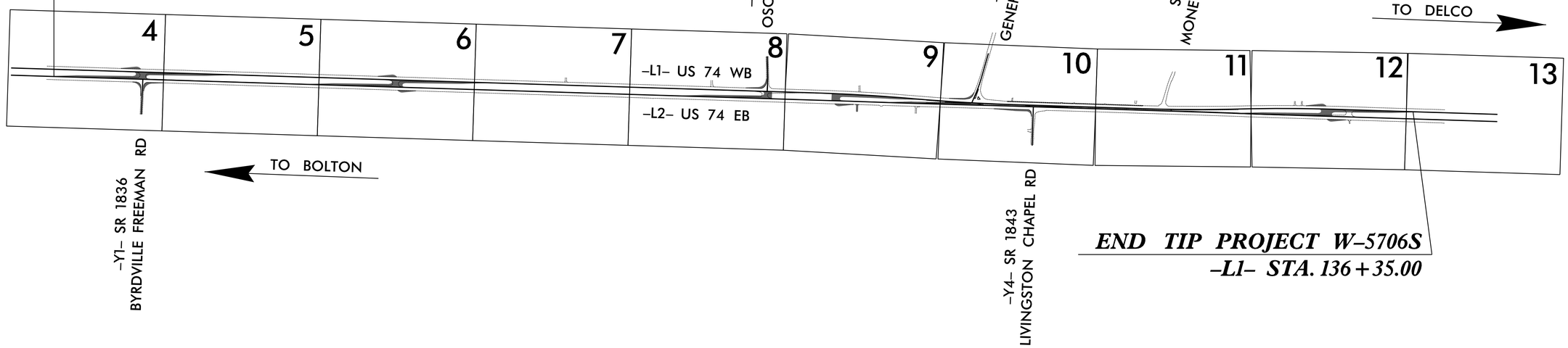
***LOCATION:*** *US 74 FROM 150 FEET WEST OF SR 1836 (BYRDVILLE FREEMAN ROAD) TO 1800 FEET EAST OF SR 1845 (MONEY HOLE ROAD)*

***TYPE OF WORK:*** *GRADING, PAVING, DRAINAGE, SIGNING, AND PAVEMENT MARKING*




***VICINITY MAP*** ***N.T.S.***

***BEGIN TIP PROJECT W-5706S***
***-L1- STA. 13+93.00***




***END TIP PROJECT W-5706S***
***-L1- STA. 136+35.00***

NAD 83 2011

***GRAPHIC SCALES***

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

***DESIGN DATA***

ADT 2018 = 14,000
V = 55 MPH
FUNC CLASS = MAJOR ARTERIAL

***PROJECT LENGTH***

TOTAL LENGTH OF TIP PROJECT W-5706S = 2.319 MI

Prepared in the Office of:
***DIVISION OF HIGHWAYS***
*431 Transportation Dr., Fayetteville NC, 28301*

*2018 STANDARD SPECIFICATIONS*

***RIGHT OF WAY DATE:***
MARCH 20, 2020

***LETTING DATE:***
MAY 4, 2022

JOHN GAUTHIER
*PROJECT ENGINEER*

ALEX HENDERSON
*PROJECT DESIGN ENGINEER*

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

13-APR-2022 11:08
S:\DDC\DDC\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\Proj\W5706S_Rdy_tsh.dgn
$$$$USERNAME$$$$

12/2/2016

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 1B |

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

# CONVENTIONAL PLAN SHEET SYMBOLS

*Note: Not to Scale* **S.U.E. = Subsurface Utility Engineering*

## BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Computed Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Existing Historic Property Boundary — HPB
- Known Contamination Area: Soil — S
- Potential Contamination Area: Soil — S
- Known Contamination Area: Water — W
- Potential Contamination Area: Water — W
- Contaminated Site: Known or Potential

## BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

## HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

## RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — SWITCH
- RR Abandoned
- RR Dismantled

## RIGHT OF WAY & PROJECT CONTROL:

- Secondary Horiz and Vert Control Point
- Primary Horiz Control Point
- Primary Horiz and Vert Control Point
- Exist Permanent Easement Pin and Cap
- New Permanent Easement Pin and Cap
- Vertical Benchmark
- Existing Right of Way Marker
- Existing Right of Way Line
- New Right of Way Line — RW
- New Right of Way Line with Pin and Cap — RW
- New Right of Way Line with Concrete or Granite R/W Marker — RW
- New Control of Access Line with Concrete C/A Marker — C/A
- Existing Control of Access — C/A
- New Control of Access — C/A
- Existing Easement Line — E
- New Temporary Construction Easement — E
- New Temporary Drainage Easement — TDE
- New Permanent Drainage Easement — PDE
- New Permanent Drainage / Utility Easement — DUE
- New Permanent Utility Easement — PUE
- New Temporary Utility Easement — TUE
- New Aerial Utility Easement — AUE

## ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

## VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

## EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

## UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H–Frame Pole
- U/G Power Line LOS B (S.U.E.*) — P
- U/G Power Line LOS C (S.U.E.*) — P
- U/G Power Line LOS D (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- U/G Telephone Cable LOS B (S.U.E.*) — T
- U/G Telephone Cable LOS C (S.U.E.*) — T
- U/G Telephone Cable LOS D (S.U.E.*) — T
- U/G Telephone Conduit LOS B (S.U.E.*) — TC
- U/G Telephone Conduit LOS C (S.U.E.*) — TC
- U/G Telephone Conduit LOS D (S.U.E.*) — TC
- U/G Fiber Optics Cable LOS B (S.U.E.*) — T FO
- U/G Fiber Optics Cable LOS C (S.U.E.*) — T FO
- U/G Fiber Optics Cable LOS D (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- U/G Water Line LOS B (S.U.E*) — W
- U/G Water Line LOS C (S.U.E*) — W
- U/G Water Line LOS D (S.U.E*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- U/G TV Cable LOS B (S.U.E.*) — TV
- U/G TV Cable LOS C (S.U.E.*) — TV
- U/G TV Cable LOS D (S.U.E.*) — TV
- U/G Fiber Optic Cable LOS B (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS C (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS D (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- U/G Gas Line LOS B (S.U.E.*) — G
- U/G Gas Line LOS C (S.U.E.*) — G
- U/G Gas Line LOS D (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- SS Forced Main Line LOS B (S.U.E.*) — FSS
- SS Forced Main Line LOS C (S.U.E.*) — FSS
- SS Forced Main Line LOS D (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line LOS B (S.U.E.*) — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole LOS A (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

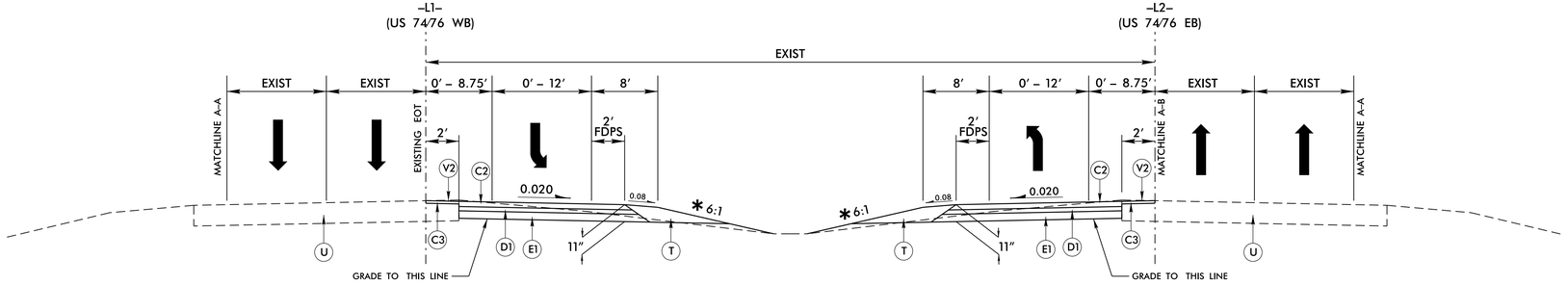
FINAL PAVEMENT DESIGN

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 2A-1 |

## PAVEMENT SCHEDULE

| | |
|---|---|
| C1 | PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| C2 | PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS. |
| C3 | PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH. |
| D1 | PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. |
| E1 | PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. |
| R1 | 5" MONOLITHIC CONCRETE ISLAND(KEYED IN). |
| R2 | 1'-6" CURB & GUTTER. |
| T | EARTH MATERIAL. |
| U | EXISTING PAVEMENT. |
| V1 | 4' MILLING. 1.5" DEPTH. |
| V2 | 2' MILLING. 3" DEPTH. |
| V3 | VARIABLE WIDTH MILLING. 1.5" DEPTH. |

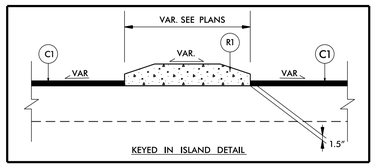
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



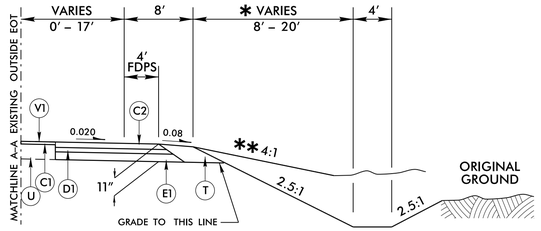

## TYPICAL SECTION NO.1

–L1– /–L2– STA. 13+93.00 TO –L1– /–L2– STA. 29+53.00
–L1– /–L2– STA. 37+00.00 TO –L1– /–L2– STA. 52+60.00
–L2– STA. 70+60.00 TO –L2– STA. 81+39.09
–L1– STA. 83+98.00 TO –L1– STA. 91+92.00
–L2– STA. 89+20.00 TO –L2– STA. 105+25.00
✱ 2.5:1 MAX VARY AS NEEDED TO ENSURE DRAINAGE SEE PLAN & XSC

NOTES:
SEE PLANS FOR TAPERS
MILL AS NEEDED



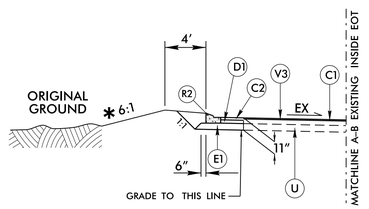

USE WITH TS NO.1
SEE PLANS FOR ISLAND LOCATIONS




## MATCHLINE A–A USE WITH TS NO. 1

–L1– STA. 20+02.25 LT TO –L1– STA. 21+62.80 LT (MIRROR)
–L2– STA. 20+97.35 RT TO –L2– STA. 23+52.30 RT
–L1– STA. 43+09.25 LT TO –L1– STA. 44+69.80 LT (MIRROR)
–L2– STA. 44+90.20 RT TO –L2– STA. 46+50.75 RT
–L1– STA. 76+48.44 LT TO –L1– STA. 78+03.42 LT (MIRROR)
–L2– STA. 84+27.32 RT TO –L2– STA. 85+87.10 RT
–L1– STA. 94+53.36 LT TO –L1– STA. 96+88.03 LT (MIRROR)
–L2– STA. 98+52.52 RT TO –L2– STA. 102+02.52 RT
–L2– STA. 128+65.16 RT TO –L2– STA. 130+25.75 RT
✱ MAINTAIN EXISTING DITCH ELEVATIONS SEE XSC
✱✱ 3:1 MAX SEE PLAN & XSC

NOTES:
SEE PLANS FOR TAPERS
MILL AS NEEDED




## MATCHLINE A–B USE WITH TS NO. 1

–L2– STA. 91+20.00 TO –L2– STA. 97+60.00
✱ 2.5:1 MAX VARY AS NEEDED TO ENSURE DRAINAGE SEE PLAN & XSC

NOTES:
SEE PLANS FOR TAPERS
MILL AS NEEDED

*CONTRACTOR SHALL COORDINATE WITH LOCAL TRAFFIC SERVICES UNIT FOR PROPOSED SIGNS AND PLACEMENT OF ALL PAVEMENT MARKINGS.*

*FOR SIGNS AND PAVEMENT MARKINGS,CONTACT TRAFFIC SERVICES 910-364-0606,14 DAYS PRIOR TO FINAL PLACEMENT.*

## PROJECT NOTES

1. The Contractor shall not work on both sides of the road simultaneously within the same area.
2. Ingress and egress shall be maintained to all businesses and dwellings on the project.
3. At the end of each workday, the Contractor shall be required to backfill any area adjacent to existing travelway that has been graded leaving no more than a 1" drop–off.
4. A minimum of two–way, two–lane traffic (plus all existing left and right turn lanes) shall be maintained during periods of construction inactivity.
5. The Contractor shall not be allowed to stop traffic for more than 5 minutes at a time in any one direction.
6. During periods of construction inactivity, the difference in elevation between lanes shall not exceed 1–1/2 inch.
7. Access to police and fire stations, fire hydrants, and hospitals shall be maintained at all times.
8. During periods of construction inactivity, place cones/drums 3' from existing edge of pavement (travelway) as directed by the Engineer.
9. Channelizing devices in work areas shall be spaced not greater than 50' on center in tangent areas, 45' on center in tapers, and 10' on center in radii, and shall be set 3' off the edge of travelway, unless otherwise indicated on plans.
10. Contractor to install Erosion Control devices as directed by the Engineer.

13-APR-2022 11:08
W-5706S US 74/76 from Freeman to Moneyhole\Roadway\Proj\W5706S_Rdy_typ.dgn
$$$$USERNAME$$$$

COMPUTED BY: BAH DATE: 01-24-2022
CHECKED BY: _____ DATE: _____

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 3B-1 |

# SUMMARY OF EARTHWORK

*IN CUBIC YARDS*

| LOCATION | UNCLASSIFIED EXCAVATION | UNDERCUT | EMBT + % | BORROW | WASTE |
|---|---|---|---|---|---|
| L1 13+87 +/- TO 29+57 +/- | 978 | | 1348 | 1348 | 978 |
| L1 37+08 +/- TO 52+65 +/- | 956 | | 1524 | 1524 | 956 |
| L1 70+54 +/- TO 81+39 +/- | 718 | | 456 | 456 | 718 |
| L1 83+98 +/- TO 96+50 +/- | 767 | | 1533 | 1533 | 767 |
| L1 98+54 +/- TO 102+05 +/- | 54 | | 406 | 406 | 54 |
| L1 121+00 +/- TO 136+36 +/- | 1073 | | 1821 | 1821 | 1073 |
| | | | | | |
| MATERIAL FOR SHOULDER CONSTRUCTION | | | 263 | 263 | |
| 5% TO REPLACE TOP SOIL ON BORROW PIT | | | | 367 | |
| | | | | | |
| | | | | | |
| PROJECT TOTAL | 4546 | | | 7718 | 4546 |
| SAY | 4600 | | | 7800 | 4600 |

# CONCRETE REMOVAL SUMMARY

| SURVEY LINE | STATION | STATION | LOCATION | SQ YD |
|---|---|---|---|---|
| L1 | 92+42 +/- | 97+61 +/- | RT | 246 |
| Y3 | 13+33 +/- | 14+26 +/- | RT | 67 |
| L1 | 101+46 +/- | 101+87 +/- | RT | 36 |
| L1 | 102+63 +/- | 105+26 +/- | RT | 171 |
| | | | | |
| | | | TOTAL | 520 |
| | | | SAY | 530 |

# ASPHALT PAVEMENT REMOVAL SUMMARY

| SURVEY LINE | STATION | STATION | LOCATION | SQ YD |
|---|---|---|---|---|
| L1 | 18+41 +/- | 25+41 +/- | RT | 1084 |
| L1 | 40+98 +/- | 48+08 +/- | RT | 975 |
| L1 | 74+29 +/- | 81+21 +/- | RT | 970 |
| L1 | 126+73 +/- | 133+74 +/- | RT | 959 |
| | | | | |
| | | | TOTAL | 3988 |
| | | | SAY | 3990 |

Note: Approximate quantities only. Unclassified Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, Removal of Existing Pavement, and Removal of Existing Concrete will be paid for at the contract lump sum price for "Grading." Borrow Excavation will be paid according to Section 230 of the 2018 Standard Specifications as noted in the Contract.

23-APR-2022 11:27
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\Proj\W5706S_Rdy_sum.dgn
$$$$USERNAME$$$$

DN/06-292774L

COMPUTED BY: Craig Freeman DATE: 2/24/2020

CHECKED BY: DATE:

| PROJECT NO. | SHEET NO. |
|---|---|
| W-5706S | 3D-1 |

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

**Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.**
**See "Standard Specifications For Roads and Structures, Section 300-5".**

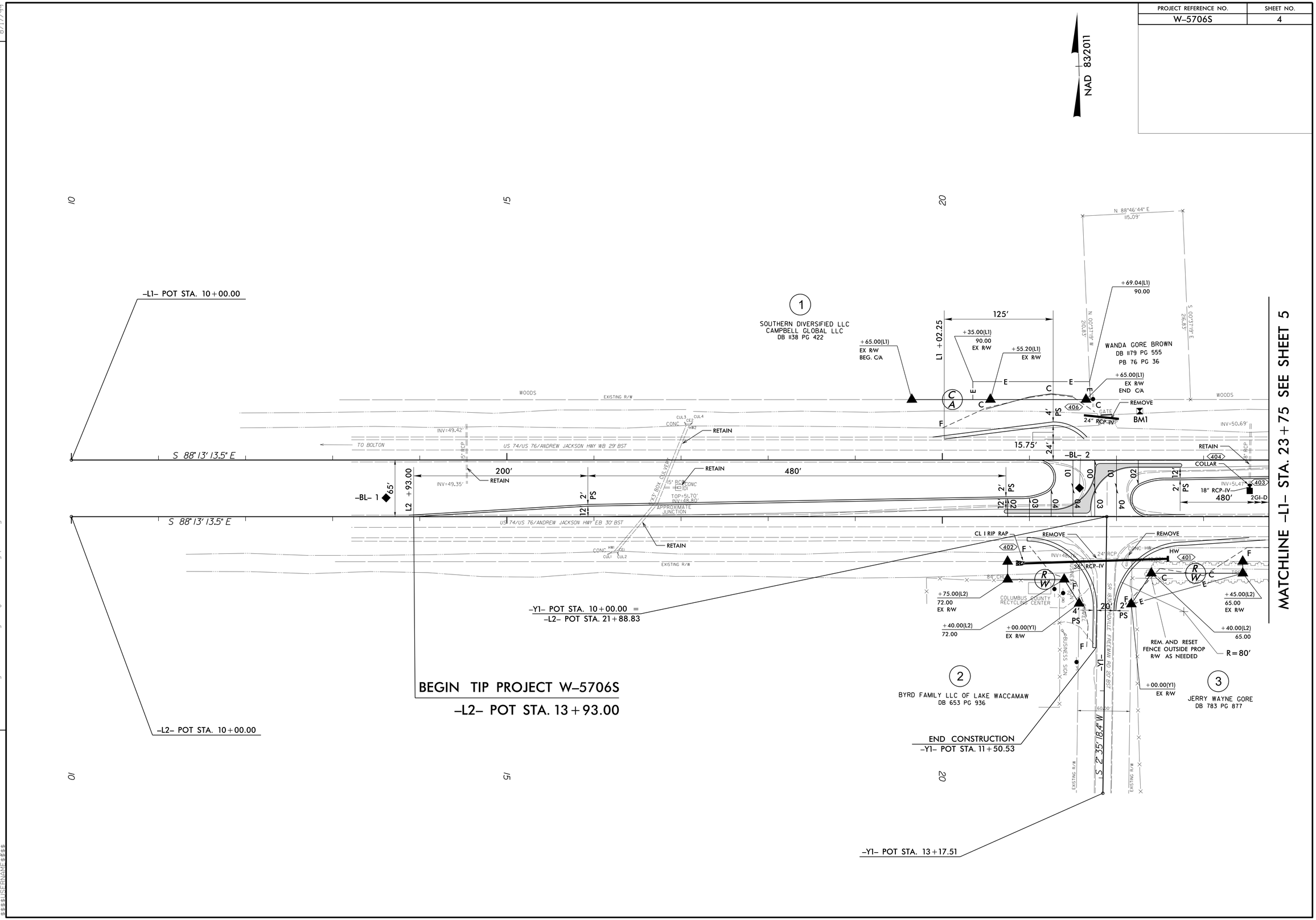
## *LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)*

| LINE & STATION | OFFSET | | STRUCTURE NUMBER FROM | STRUCTURE NUMBER TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | MINIMUM REQUIRED SLOPE | R. C. PIPE CLASS IV 12 | 15 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | ENDWALLS STD. 838.11 OR STD. 838.31 (UNLESS NOTED OTHERWISE) | REINFORCED ENDWALLS | DRAINAGE STRUCTURE MASONRY | QUANTITIES FOR DRAINAGE STRUCTURES NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B) A 0' THRU 5' | A 5' THRU 10' | B 10' AND ABOVE | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E | F | G | CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06 | C.B. STD. 852.05 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | CONCRETE BRIDGE APPROACH D.I. STD. 840.13 | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME AND GRATES STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26 | G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27 | G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28 | G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20 | G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20 | G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22 | G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22 | G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24 | G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24 | SPRING BOX STD. 840.41 | M.H. STD. 840.51, STD. 840.52, OR STD. 840.53 | M.H. FRAME AND COVER STD. 840.54 | FLOWABLE FILL | CONCRETE COLLARS CL. "B" STD. 840.72 | CONCRETE AND BRICK PIPE PLUG STD. 840.71 | PIPE REMOVAL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THICKNESS OR GAUGE | | | FROM | TO | FT. | FT. | FT. | % | | | | | | | | | | | | | | | CY | CY | MASONRY CY | EACH | LIN. FT. | LIN. FT. | | E | F | G | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 22+59 | 113 | RT | 0401 | | | | | | | | | | | | | | | | | | | | 3.400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0401 | 0402 | | 48.5 | 48.2 | | | | | | | 164 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 23+53 | 36 | RT | 0403 | | 53.6 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0403 | 0404 | | 51.5 | 51.5 | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 23+53 | 28 | RT | 0404 | | 51.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 21+83 | 49 | LT | 0406 | | | | | | | | | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 85+00 | 6 | RT | 0901 | | 50.3 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0901 | 0902 | | 47.1 | 44.6 | | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 85+00 | 38 | RT | 0902 | | 47.6 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0902 | 0903 | | 44.6 | 40.0 | | | | 208 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 86+30 | 112 | RT | 0904 | | | | | | | | | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 96+75 | 15 | RT | 1001 | | 52.4 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1001 | 1002 | | 49.2 | 46.8 | | | 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 97+60 | 15 | RT | 1002 | | 52.4 | | | | | | | | | | | | | | | | | | | | | 1 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 123+56 | 20 | RT | 1201 | | 48.3 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1201 | | | 46.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 21+90 | 46 | LT | 0000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | |
| L1 21+83 | 114 | RT | 0000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | |
| L1 85+49 | 112 | RT | 0000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | |
| L1 127+43 | 46 | LT | 0000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | |
| **SHEET TOTALS** | | | | | | | | | 124 | 216 | 96 | | 164 | | | | | | | | | | 3.400 | | | 6 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.4465 | | 148 | |
| **PROJECT TOTALS** | | | | | | | | | 124 | 216 | 96 | | 164 | | | | | | | | | | 3.400 | | | 6 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.4465 | | 148 | |

**ABBREVIATIONS**

| | |
|---|---|
| C.A.A. | CORRUGATED ALUMINIUM ALLOY |
| C.B. | CATCH BASIN |
| C.S. | CORRUGATED STEEL |
| D.I. | DROP INLET |
| G.D.I. | GRATED DROP INLET |
| H.D.P.E. | HIGH DENSITY POLYETHYLENE |
| J.B. | JUNCTION BOX |
| M.H. | MANHOLE |
| N.S. | NARROW SLOT |
| P.V.C. | POLYVINYL CHLORIDE |
| R.C. | REINFORCED CONCRETE |
| T.B.D.I. | TRAFFIC BEARING DROP INLET |
| T.B.J.B. | TRAFFIC BEARING JUNCTION BOX |
| W.S. | WIDE SLOT |

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 4 |




1 SOUTHERN DIVERSIFIED LLC CAMPBELL GLOBAL LLC DB 1138 PG 422

2 BYRD FAMILY LLC OF LAKE WACCAMAW DB 653 PG 936

3 JERRY WAYNE GORE DB 783 PG 877

WANDA GORE BROWN DB 1179 PG 555 PB 76 PG 36

REVISIONS

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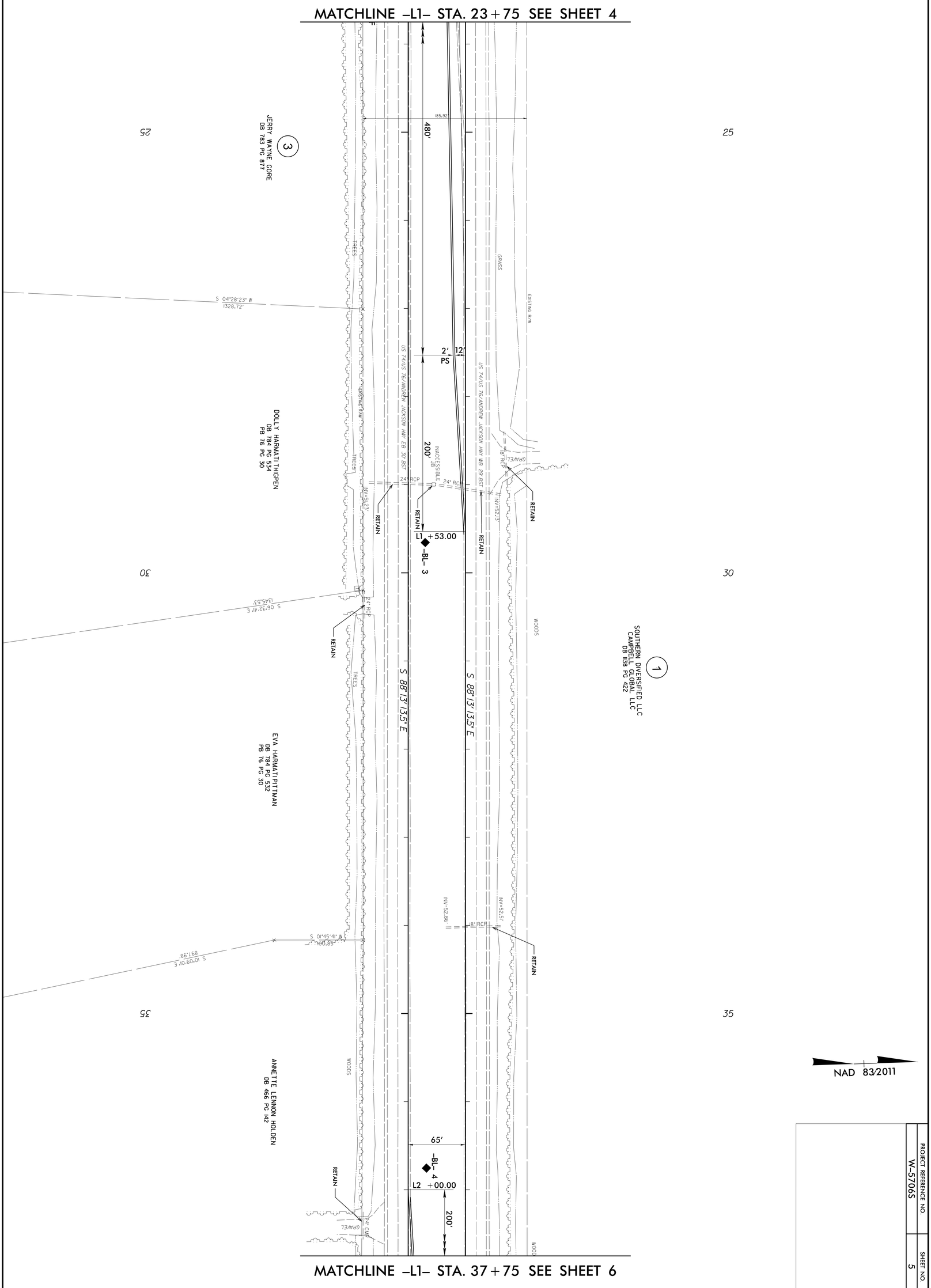
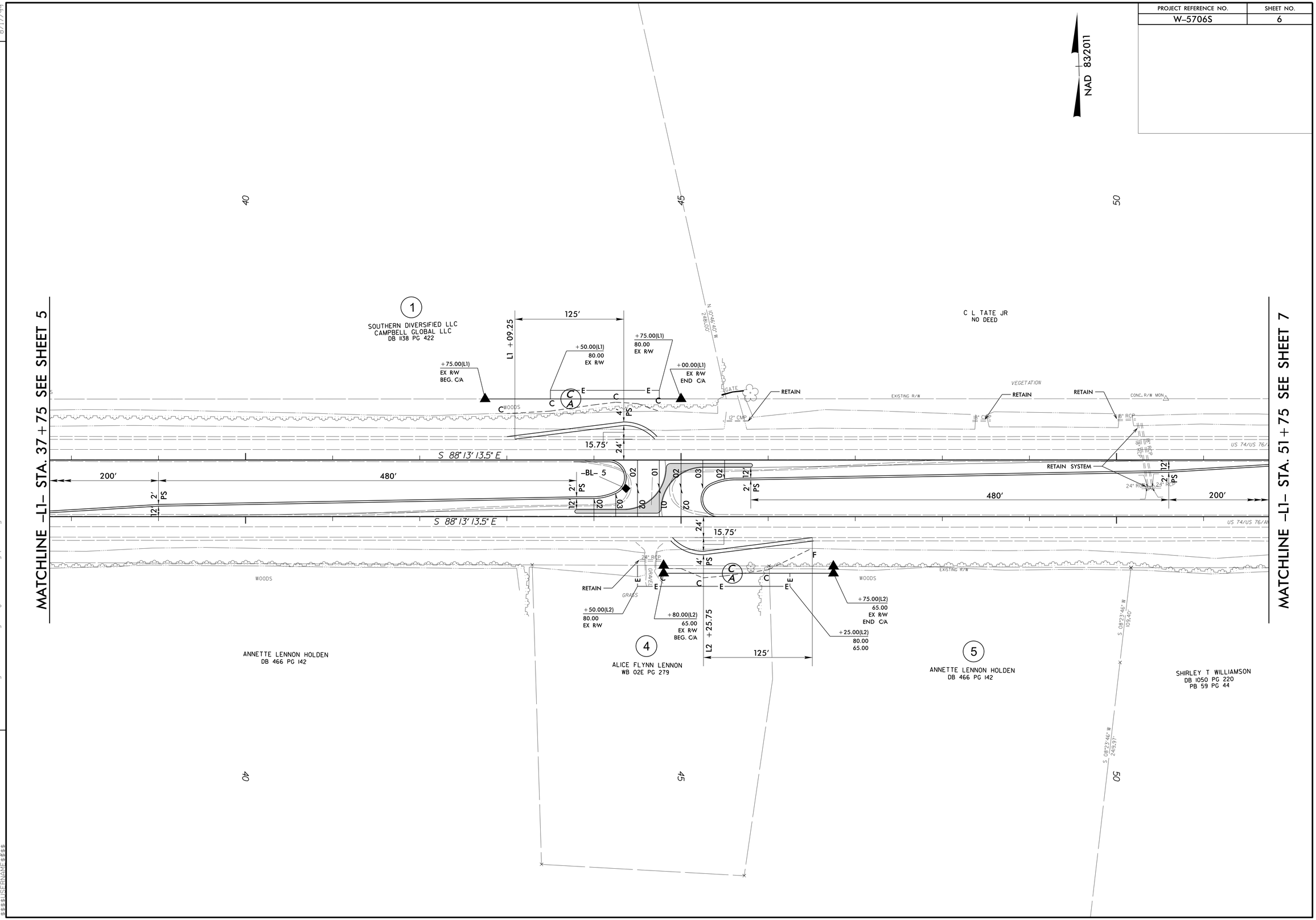
8/17/99




PROJECT REFERENCE NO.
W-5706S

SHEET NO.
5

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 6 |




REVISIONS

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| PROJECT REFERENCE NO. | SHEET NO. |
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| W-5706S | 7 |

NAD 83/2011

REVISIONS

8/17/99

MATCHLINE –L1– STA. 51+75 SEE SHEET 6

MATCHLINE –L1– STA. 65+75 SEE SHEET 8

N 10°46'40" W 298.85'

N 88°14'23" W 105.00'

N 10°46'40" W 297.07'

N 10°46'40" W 297.07'

N 10°01'13" W 2066.41'

S 10°51'57" E 2116.44'

C L TATE JR
NO DEED

TERRY GAUSE
DB 335 PG 500

TERRY GAUSE
DB 335 PG 500
PB 39 PG 50

ALFRED DESIBO JR
DB 1103 PG 636

MONA FAYE BLACK
DB 281 PG 787

THURSTON CALVIN MALPASS
DB 347 PG 621

55

60

65

WOODS

TREES

RETAIN

18" RCP

CONC HW

PAVED DITCH

GATE

COMM

BST

10

ANDREW JACKSON HWY WB 29' BST

S 88°13'13.5" E

RETAIN SYSTEM

24" RCP

24" RCP

24" RCP

42" RCP

200'

–BL– 6

L1 + 60.00

RETAIN

–BL– 7

ANDREW JACKSON HWY EB 30' BST

S 88°13'13.5" E

4

S 08°23'46" W 2515.01'

S 08°23'46" W 2500.65'

S 08°23'46" W 2486.08'

S 08°23'46" W 2471.80'

SHIRLEY T WILLIAMSON
DB 1050 PG 220
PB 59 PG 44

JARO EARL WILLIAMSON
DB 482 PG 629
PB 59 PG 44

JARO EARL WILLIAMSON
DB 1167 PG 871
PB 59 PG 44

JARO EARL WILLIAMSON
DB 482 PG 674
PB 59 PG 44

SHIRLEY TERESA WILLIAMSON
DB 482 PG 637
PB 59 PG 44

55

60

65

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 8 |

REVISIONS 8/17/99

NAD 83/2011

MATCHLINE –L1– STA. 65+75 SEE SHEET 7

MATCHLINE –L1– STA. 79+75 SEE SHEET 9

906.00'

S 14°29'10" E
228.48'

20' EASEMENT DB 708 PG 183

S 86°20'35" E
278.21'

N 01°38'57" W
433.23'

70

75

THURSTON CALVIN MALPASS
DB 347 PG 621

N 14°29'42" W
234.34'

ANGELA P BLACKLEY
DB 1183 PG 812
PB 104 PG 17

S 01°38'52" E
235.59'

DONALD EARL LENNON
DB 708 PG 183
PB 104 PG 17

DONALD EARL LENNON
DB 708 PG 183
PB 104 PG 17

RONNIE L BECK
DB 1107 PG 987

–Y2– POT STA. 10+00.00

–Y2– PC STA. 11+52.58

BEGIN CONSTRUCTION
–Y2– POC STA. 12+05.23

–Y2– PT STA. 13+16.55 =
–L1– POT STA. 78+12.72

S 17°52'25.4" E

OSCAR BLANKS RD (SR 2137)

GRAVEL

R=80'

R/W MON

RETAIN

GRASS

WOODS

BM2

PAVED DITCH

EIP

BST

24" RCP

2' PS F

–Y2–

F

S 88°13'13.5" E

–BL– 9

RETAIN SYSTEM

65'

L2 +60.00

200'

480'

2' PS

EX PS

01 02 03 04

12' 10' 08' 06' 04' 02

24" RCP

24" RCP

APPROXIMATE JUNCTION

–BL– 8

CONC

36" HDPE

48" RCP

S 04°56'52" W
108.25'

S 08°23'46" W
2456.78'

S 01°32'49" E
894.41'

SHIRLEY TERESA WILLIAMSON
DB 482 PG 637
PB 59 PG 44

SHIRLEY TERESA WILLIAMSON
DB 488 PG 76
PB 59 PG 44

ELWOOD AND ROSADELL MARTIN CHARITABLE TRUST
DB 993 PG 515
PB 3 PG 24

VERNA M GAINEY IRREVOCABLE TRUST
DB 1167 PG 33

–Y2–

*PI Sta 12+34.63*
*△ = 5° 22' 05.6" (RT)*
*D = 3° 16' 26.6"*
*L = 163.96'*
*T = 82.04'*
*R = 1,750.00'*

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 9 |

NAD 83/2011

8/17/99

REVISIONS

MATCHLINE –L1– STA. 79+75 SEE SHEET 8

MATCHLINE –L1– STA. 93+75 SEE SHEET 10

80 | 85 | 90

83°57'39" E
260.59'

S 84°15'52" E
333.64'

N 04°14'29" W
685.71'

N 83°16'17" W
197.59'

S 03°55'35" W
396.25'

N 02°24'32" E
306.20'

N 03°53'05" E
282.16'

S 10°48'20" E
1014.08'

RONNIE L BECK
DB 1107 PG 987

ARCHIE BROWN JR
DB 726 PG 576

ARCHIE BROWN JR
DB 1165 PG 588

ARCHIE BROWN JR
DB 726 PG 576

GERALDINE ANITA CORBIN
& STEPHEN CARRAWAY III
DB 224 PG 140

–L1– PC STA. 82+42.21

–L1– PRC STA. 91+28.89

480'

200'

RESIDENCE

TREES

WOODS

EIP

RETAIN

24" RCP

GRASS

CONC

GRAVEL

MTL

US 74/US 76/ANDREW JACKSON HWY WB 28' BST

15" RCP-IV

901

DI

S 88°13'13.5" E

TIE PROPOSED PIPE
TO EXISTING DI

18" RCP-IV

EX PS

2' PS

12"

00

01

02

65'

903

6'x6' BOX CULVERT

2GI

902

–BL– 10

INV=47.27'

1'-6" C&G

US 74/US 76/ANDREW JACKSON HWY EB 29' BST

24'

17.16'

INV=42.89'

5' BRICK RET WALL

3' BLOCK RET WALL

BUSINESS SIGN

CONC WHEEL CURB

4' PS

24" HDPE

904

REMOVE

+70.00(L2)
75.00
EX R/W

6" INCIDENTAL
STONE DRWY.

+46.00(L2)
100.00
75.00

+00.00(L2)
100.00
70.00
EX R/W
BEG. C/A

L1 +63.92

125'

20'

+10.00(L2)
70.00
EX R/W
END C/A

–L2– PRC STA. 87+20.33

L1 +92.00

BEGIN 1'-6" C&G
–L2– +20.00

200'

480' TAPER FROM 12' TO 10.5'

–L2– PC STA. 83+12.34

S 00°56'04" E
309.44'

N 00°36'07" E
468.98'

S 60°27'13" E
347.30'

6
JAMES WORTHY FOWLER
DB 1094 PG 130
PB 97 PG 14

7
JAMES C FOWLER
DB 770 PG 858
DB 430 PG 708
DB 1102 PG 984
PB 75 PG 66
PB 97 PG 14

VERNA M GAINEY IRREVOCABLE TRUST
DB 1167 PG 33

## –L1–

| | |
|---|---|
| PI Sta 86+85.66 | PI Sta 95+81.92 |
| △ = 3° 10' 30.7" (RT) | △ = 3° 08' 43.7" (LT) |
| D = 0° 21' 29.2" | D = 0° 20' 50.1" |
| L = 886.68' | L = 905.83' |
| T = 443.45' | T = 453.03' |
| R = 16,000.00' | R = 16,500.00' |

## –L2–

| | |
|---|---|
| PI Sta 85+16.33 | PI Sta 92+33.50 |
| △ = 0° 14' 01.5" (RT) | △ = 0° 35' 17.0" (LT) |
| D = 0° 03' 26.3" | D = 0° 03' 26.3" |
| L = 407.99' | L = 1,026.32' |
| T = 204.00' | T = 513.17' |
| R = 100,000.00' | R = 99,995.48' |

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 10 |

NAD 83/2011

REVISIONS

8/17/99

MATCHLINE –L1– STA. 93+75 SEE SHEET 9

MATCHLINE –L1– STA. 107+75 SEE SHEET 11

–Y3– POT STA. 10+00.00

–Y3– PC STA. 12+27.17

BEGIN CONSTRUCTION
–Y3– POC STA. 13+33.46

–Y3– PT STA. 13+87.26

–Y3– POT STA. 14+71.20 =
–L1– POC STA. 96+59.22

BEGIN 5" MONO. ISLAND
–L1– +20.00

S 15° 58' 18.6" W

AC II S/GENERAL HOME HWY 28' BST

50.0'

R=120'

12'

22'

4' PS

MONOLITHIC CONC ISLAND

RETAIN

GERALDINE ANITA CORBIN
& STEPHEN CARRAWAY III
DB 224 PG 140

–L1– PT STA. 100+34.72

BEGIN 5" MONO. ISLAND
L2 +45.00

N 02°38'16" E
432.81'

END 5" MONO. ISLAND
L2 +25.00

RESIDENCE

DYNO CAMS

GATE

BUSINESS SIGN

RETAIN SYSTEM

EXISTING R/W

US 74/US 76/ANDREW JACKSON HWY WB 26' BST

US 74/US 76/ANDREW JACKSON HWY EB 30' BST

S 88° 11' 26.4" E

10'

–BL– 11

–BL– 12

RETAIN SYSTEM

+84.00(L2)
70.00
EX R/W

+50.00(L2)
70.00 R=50'
+95.00(Y4)
EX R/W

–L2– PT STA. 100+48.38

L2 +52.52

–L2– PRC STA. 97+46.65

480' TAPER FROM 12' TO 10.5'

200'

100'

–Y4– POT STA. 10+00.00 =
–L2– POT STA. 00+00.00

END CONSTRUCTION
–Y4– POT STA. 10+85.97 =

ROBERT D KELLY (HEIRS)
NO DEED

–Y4– POT STA. 13+50.00

S 1° 46' 46.5" W

S 88°18'01" E
200.00'

7

JAMES C FOWLER
DB 770 PG 858
DB 430 PG 708
DB 1102 PG 984
PB 75 PG 66
PB 97 PG 14

FREDERICK O'NEIL MUNN
DB 1129 PG 412
DB 1075 PG 601
PB 75 PG 66

HERMAN AGOSTINI CHANCE
DB 925 PG 599
DB 1101 PG 834
PB 75 PG 66

PAUL H BLANKS
DB 773 PG 297
PB 75 PG 66

8

EROL REDWAY
DB 964 PG 453
DB 823 PG 459
PB 75 PG 66

95

100

105

–L1–

PI Sta 95+81.92
△ = 3° 08' 43.7" (LT)
D = 0° 20' 50.1"
L = 905.83'
T = 453.03'
R = 16,500.00'

–L2–

PI Sta 92+33.50
△ = 0° 35' 17.0" (LT)
D = 0° 03' 26.3"
L = 1,026.32'
T = 513.17'
R = 99,995.48'

PI Sta 98+97.52
△ = 0° 23' 02.5" (RT)
D = 0° 07' 38.2"
L = 301.73'
T = 150.87'
R = 45,016.92'

–Y3–

PI Sta 13+07.32
△ = 7° 20' 15.9" (RT)
D = 4° 35' 01.2"
L = 160.08'
T = 80.15'
R = 1,250.00'

① S 23° 18' 34.5" W

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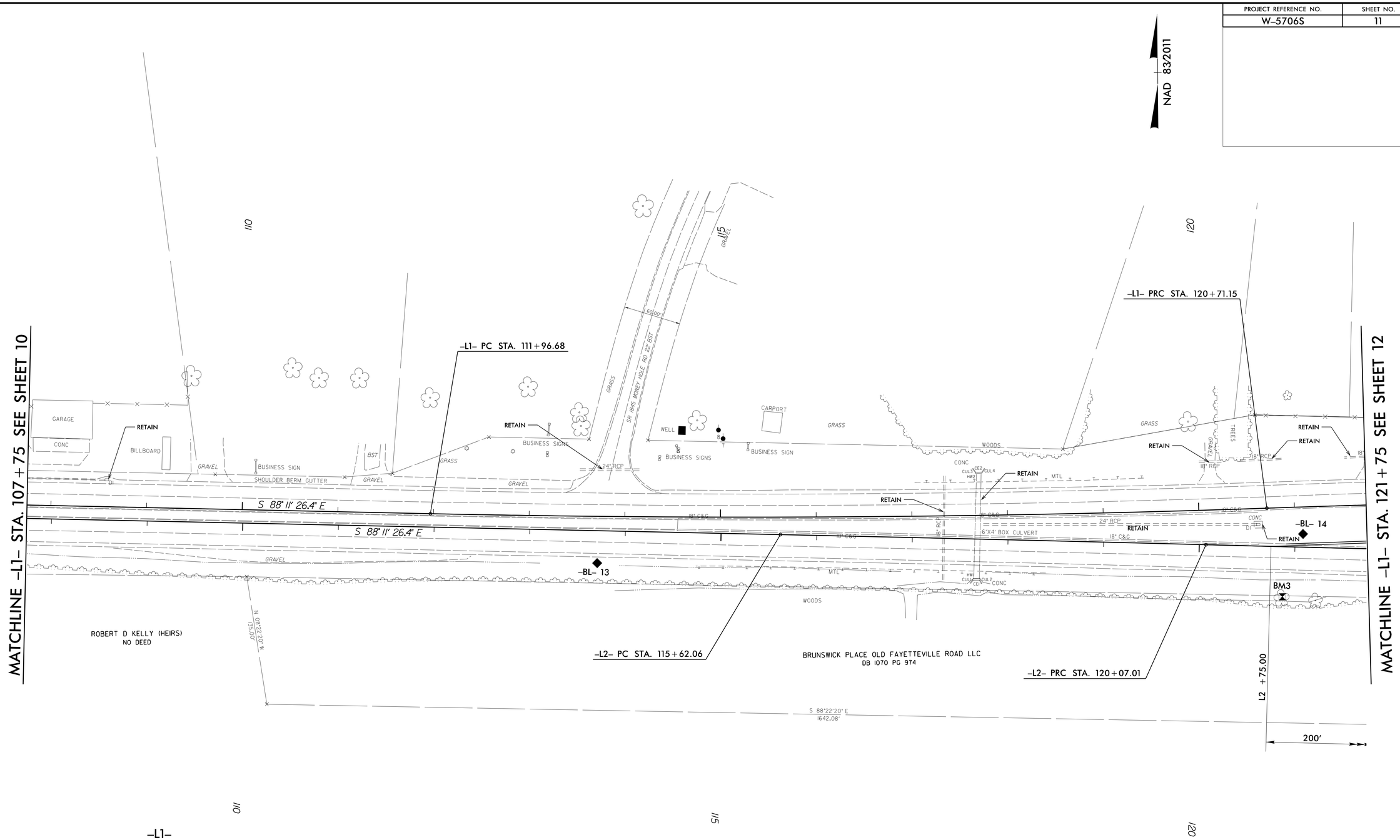


## -L1-

| | |
|---|---|
| PI Sta 116+34.03 | PI Sta 125+06.15 |
| △ = 3° 13' 19.5" (LT) | △ = 3° 12' 17.2" (RT) |
| D = 0° 22' 06.5" | D = 0° 22' 06.5" |
| L = 874.47' | L = 869.77' |
| T = 437.35' | T = 435.00' |
| R = 15,550.00' | R = 15,550.00' |

## -L2-

| | |
|---|---|
| PI Sta 117+84.54 | PI Sta 122+44.58 |
| △ = 0° 15' 17.8" (RT) | △ = 0° 16' 20.0" (LT) |
| D = 0° 03' 26.3" | D = 0° 03' 26.3" |
| L = 444.95' | L = 475.14' |
| T = 222.47' | T = 237.57' |
| R = 100,000.00' | R = 100,000.14' |

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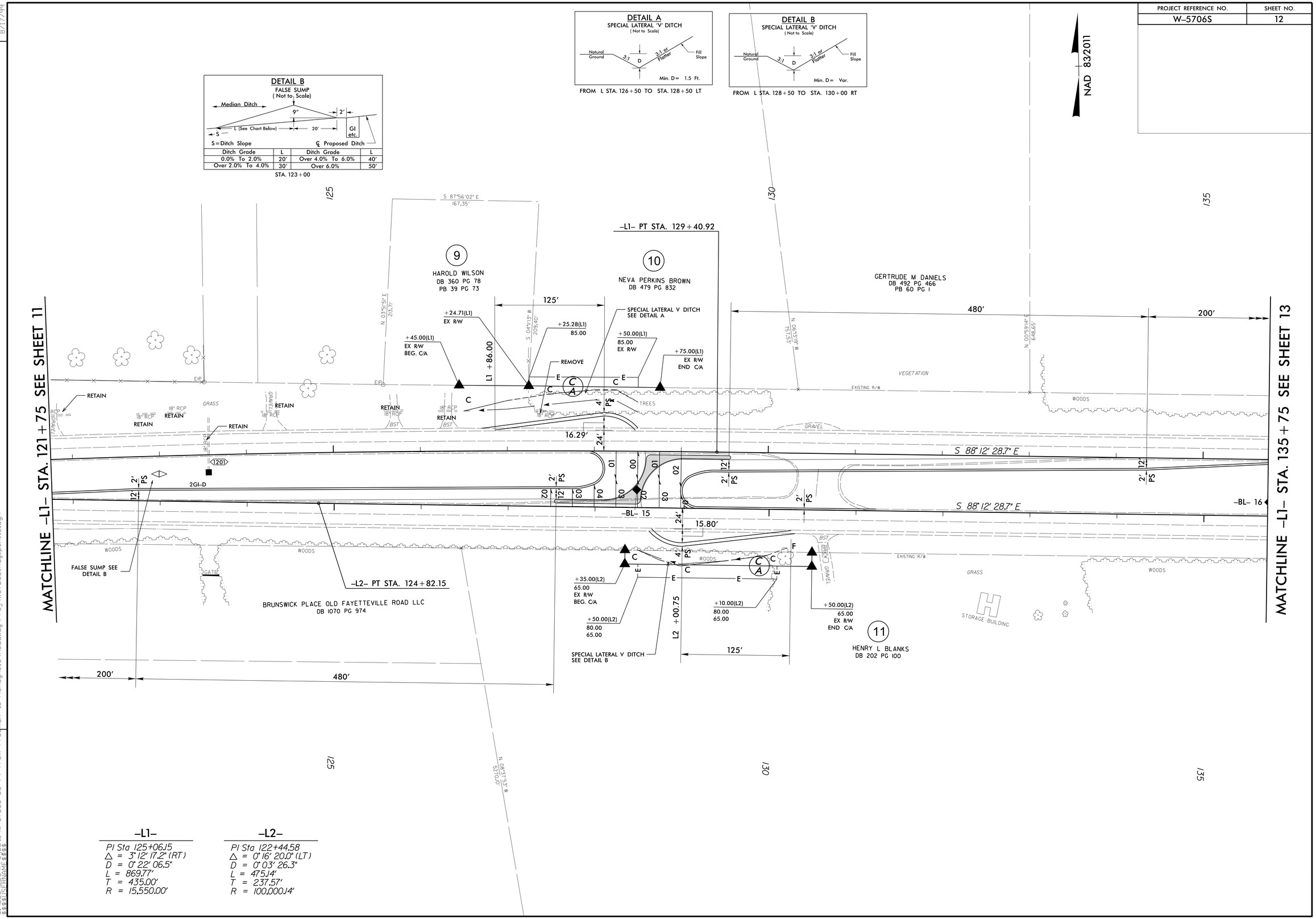
| W-5706S | 12 |




| -L1- | -L2- |
|---|---|
| PI Sta 125+06.15 | PI Sta 122+44.58 |
| △ = 3° 12' 17.2" (RT) | △ = 0° 16' 20.0" (LT) |
| D = 0° 22' 06.5" | D = 0° 03' 26.3" |
| L = 869.77' | L = 475.14' |
| T = 435.00' | T = 237.57' |
| R = 15,550.00' | R = 100,000.14' |

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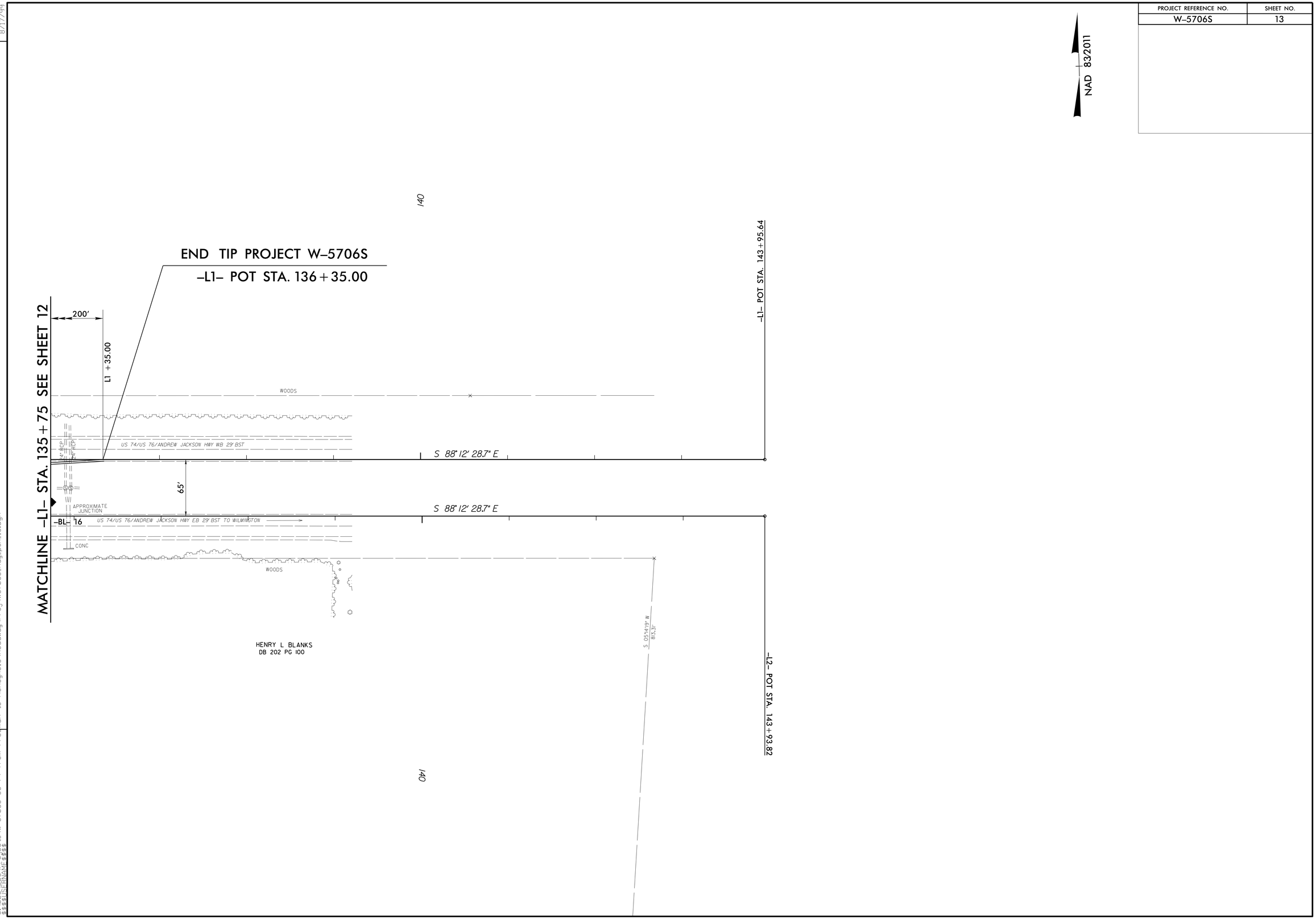
|---|---|
| W-5706S | 13 |

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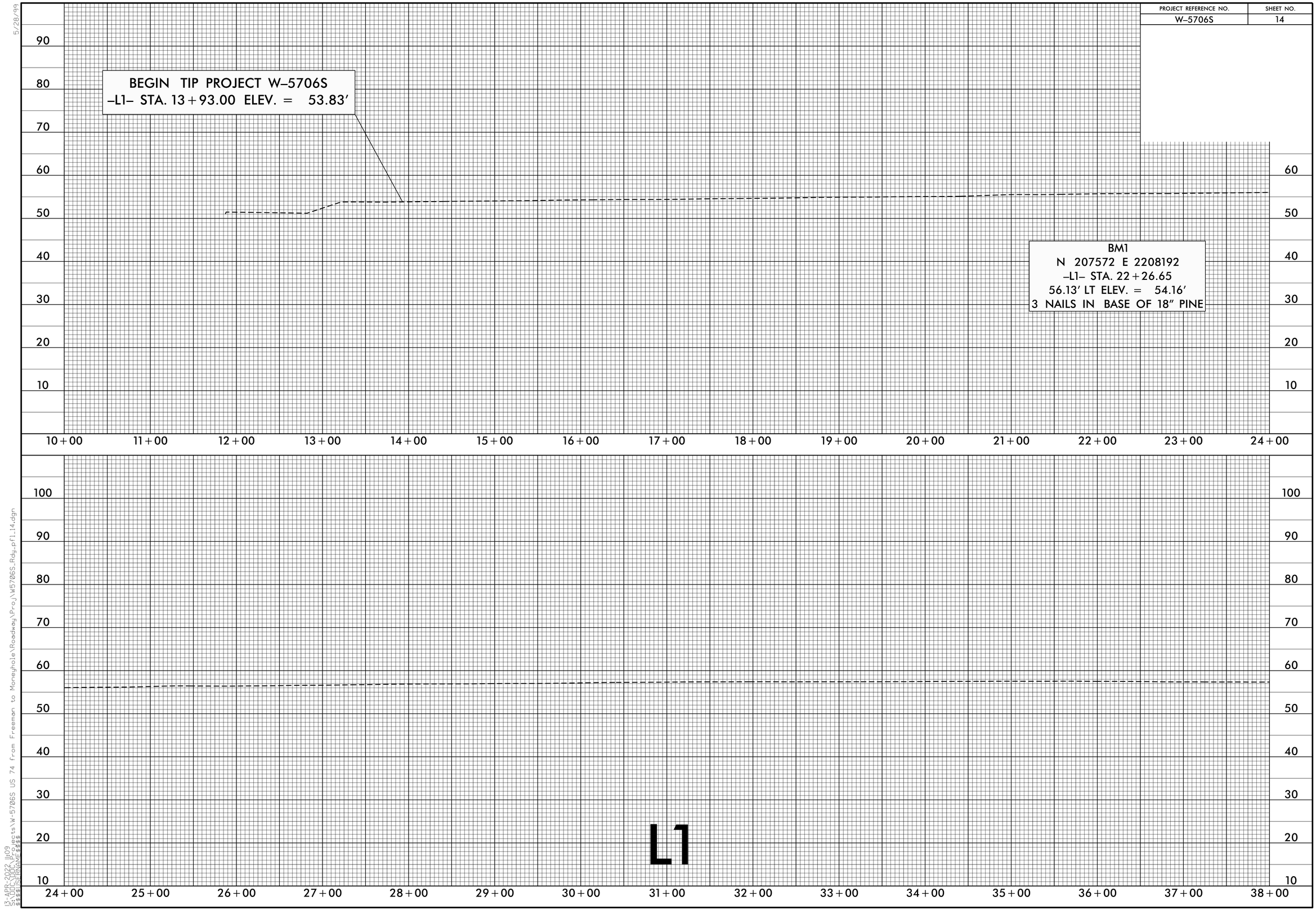
PROJECT REFERENCE NO.
W-5706S
SHEET NO.
14
BEGIN TIP PROJECT W-5706S
-L1- STA. 13+93.00 ELEV. = 53.83'
BM1
N 207572 E 2208192
-L1- STA. 22+26.65
56.13' LT ELEV. = 54.16'
3 NAILS IN BASE OF 18" PINE
L1
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
24+00
25+00
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
37+00
38+00
90
80
70
60
50
40
30
20
10
100
5/28/99
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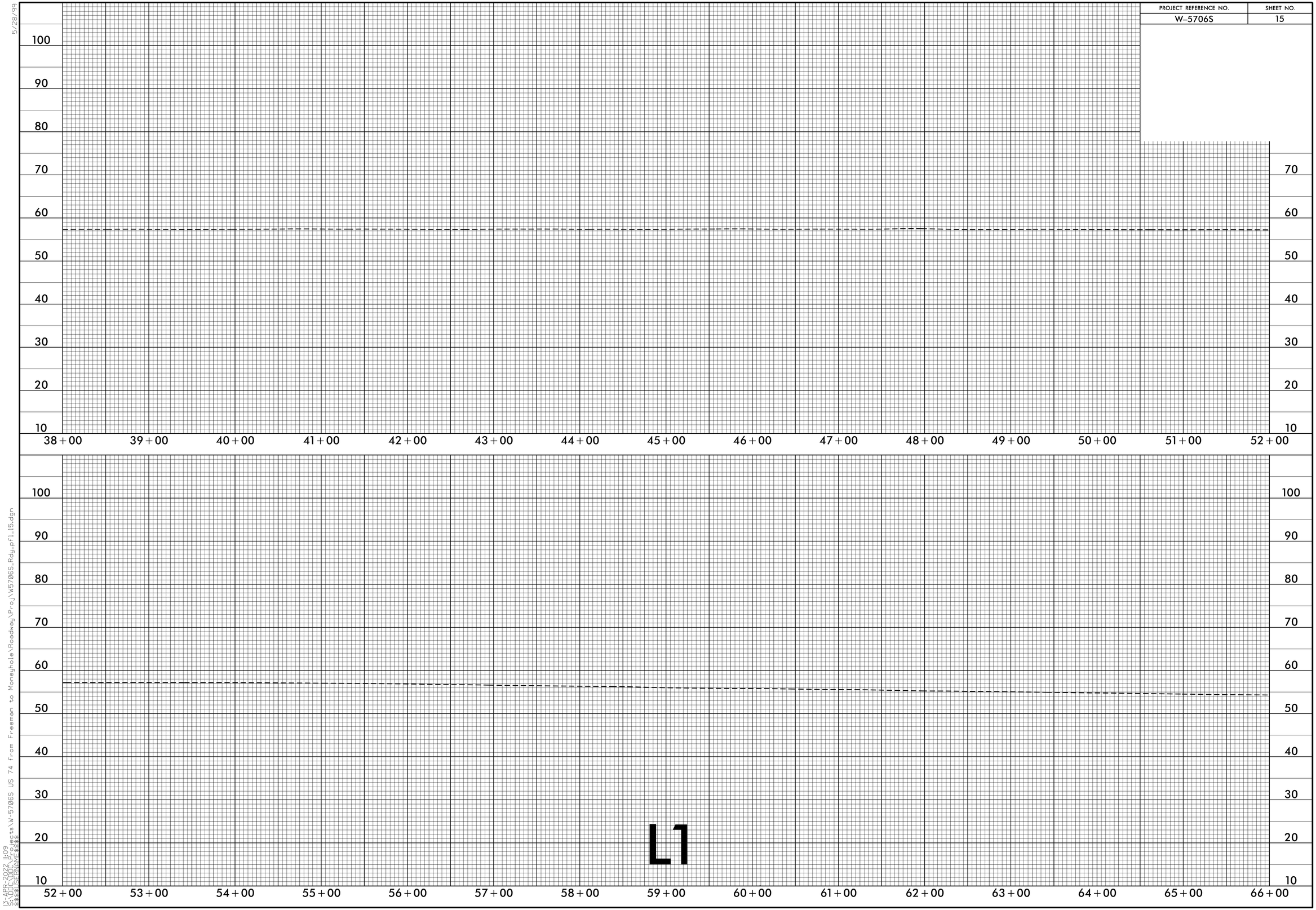
| W-5706S | 15 |




5/28/99

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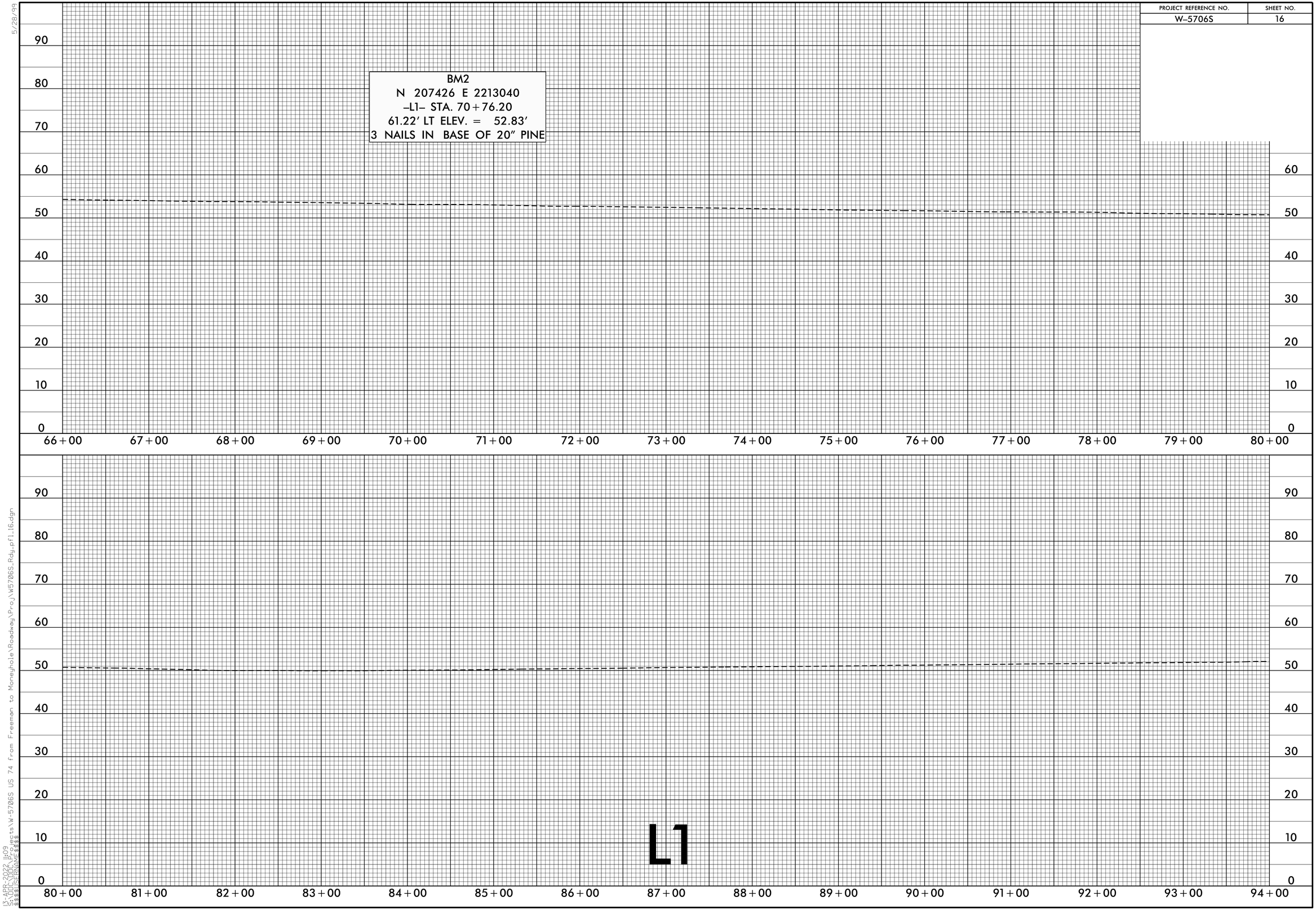
|---|---|
| W-5706S | 16 |

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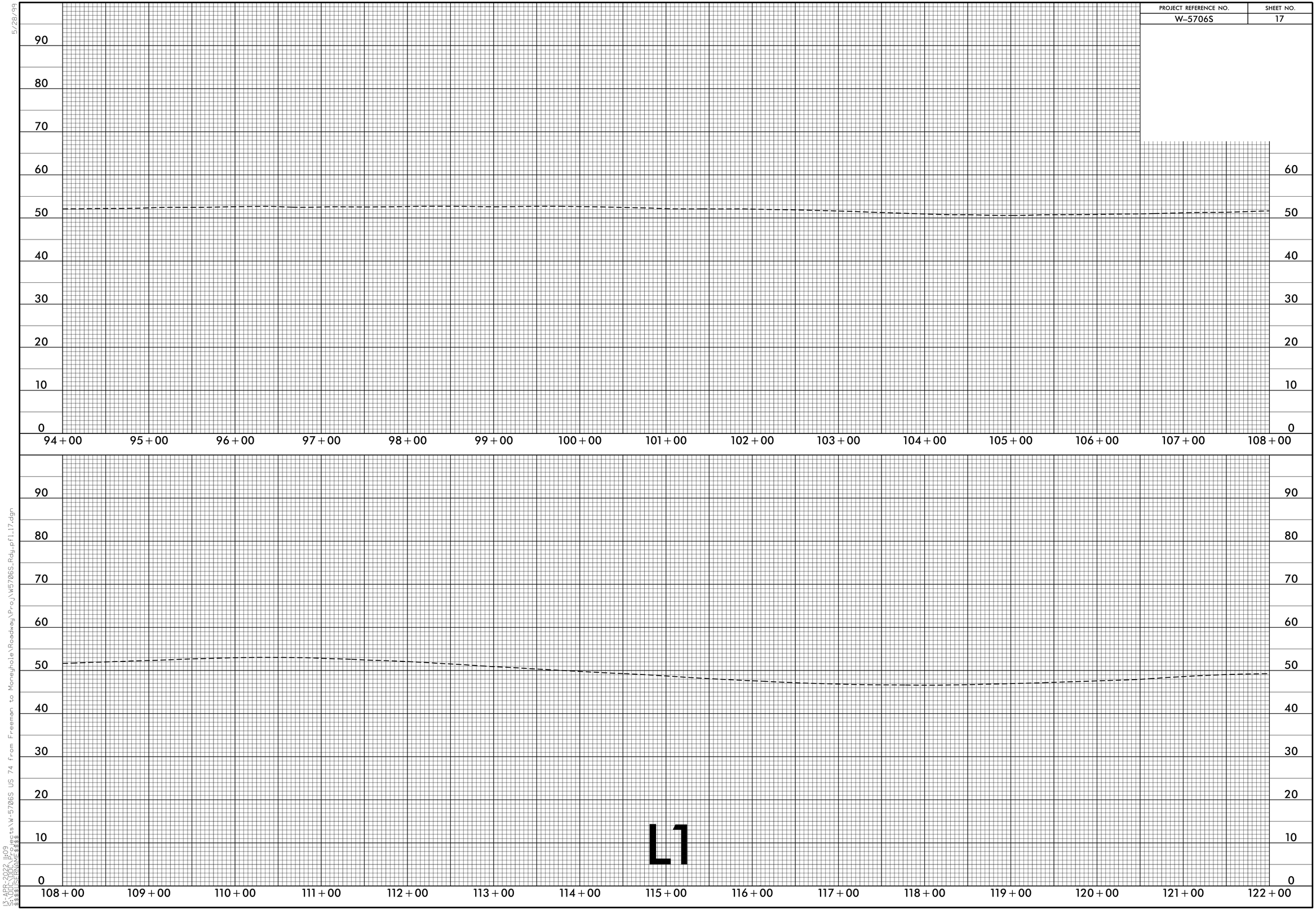
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 17 |

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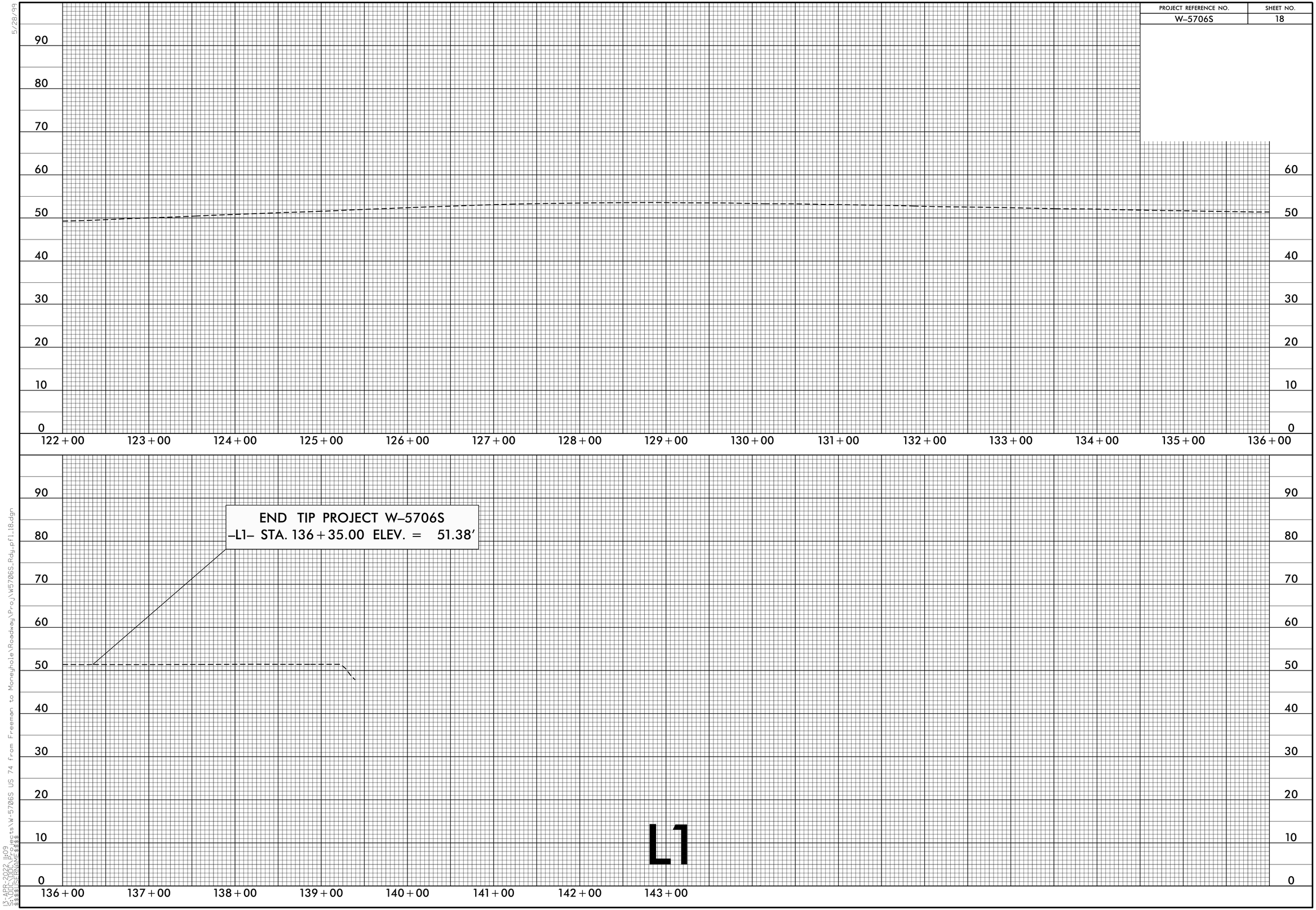
| W-5706S | 18 |

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|---|---|
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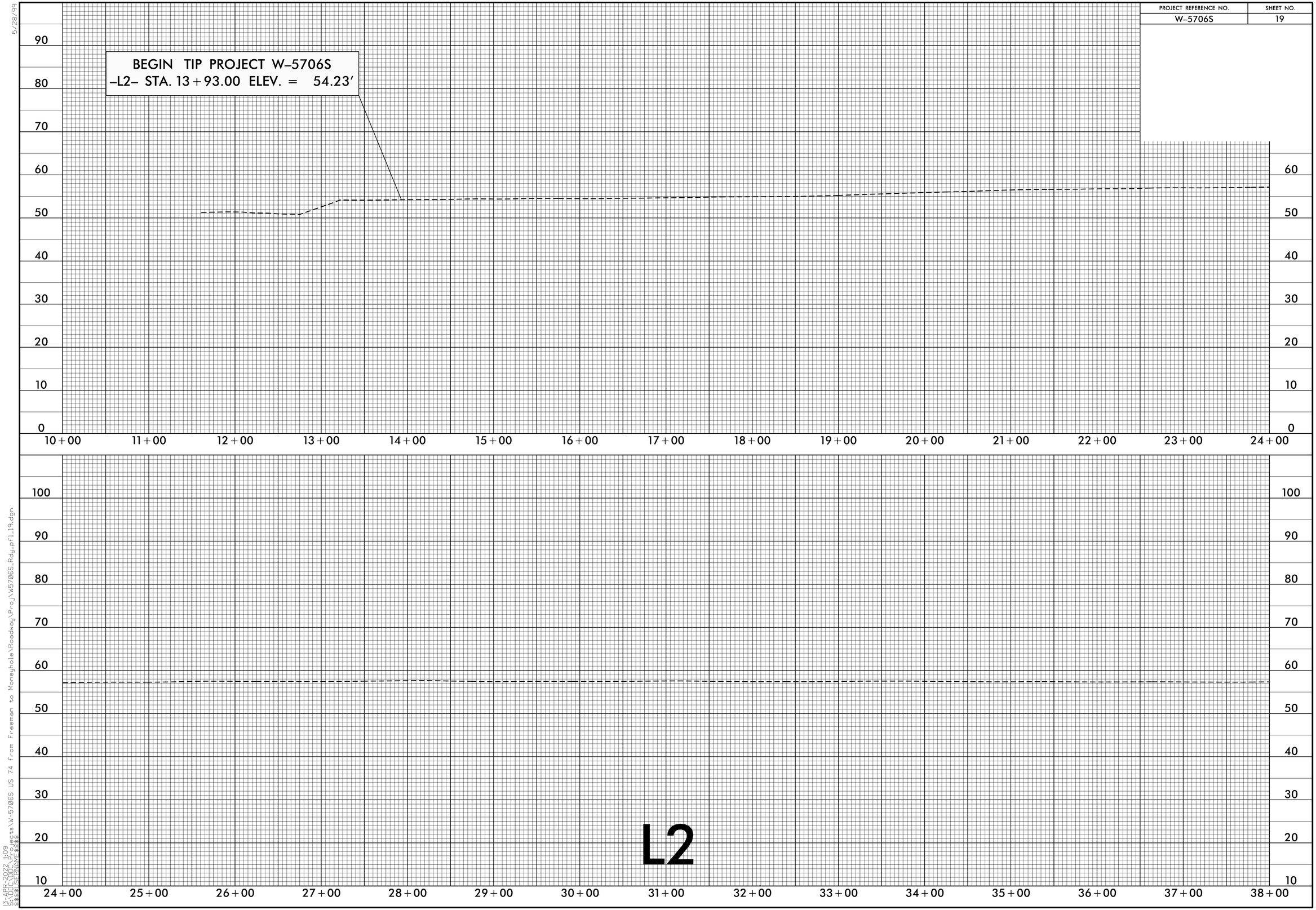



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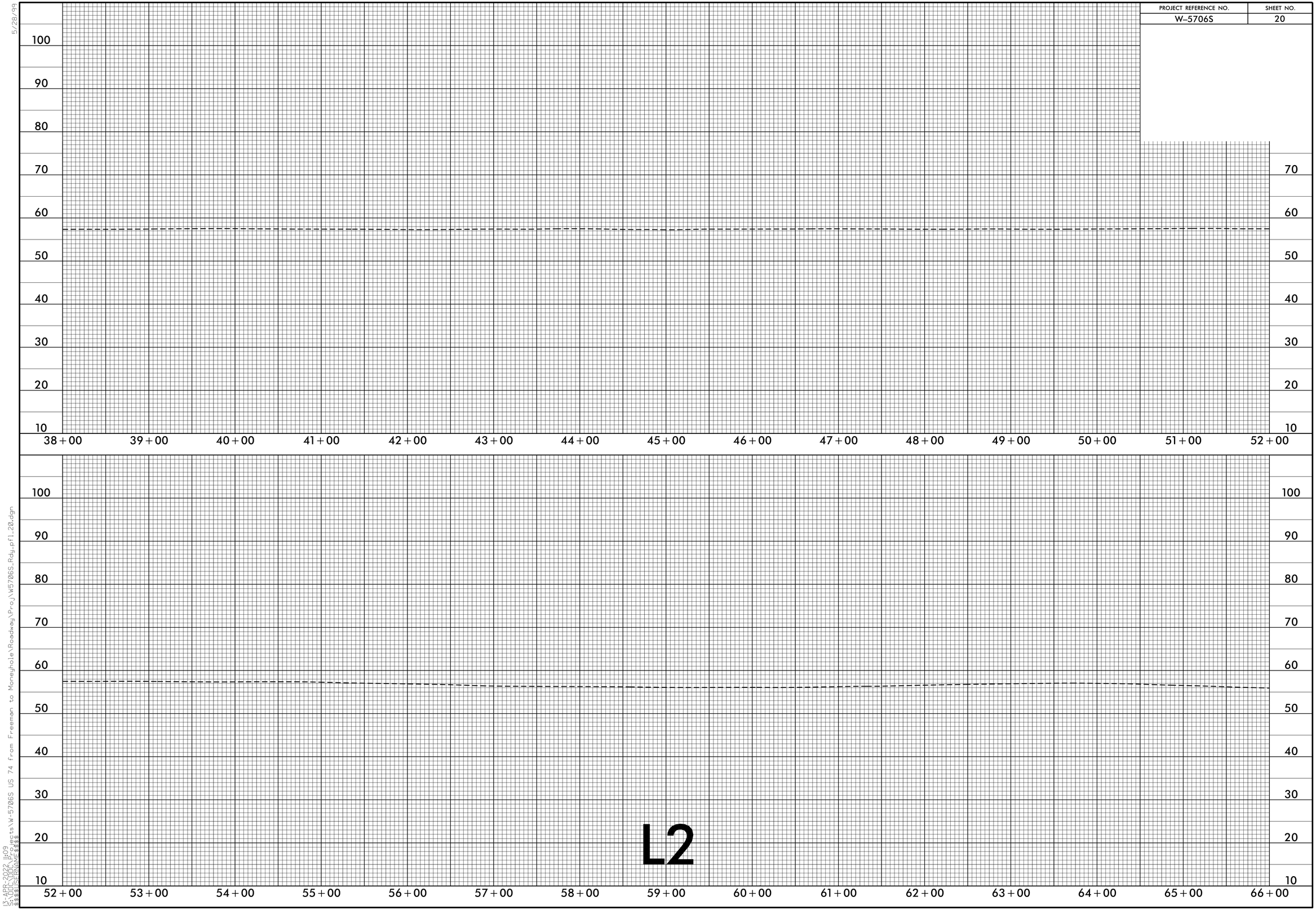
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5/28/99
13-APR-2022 11:09
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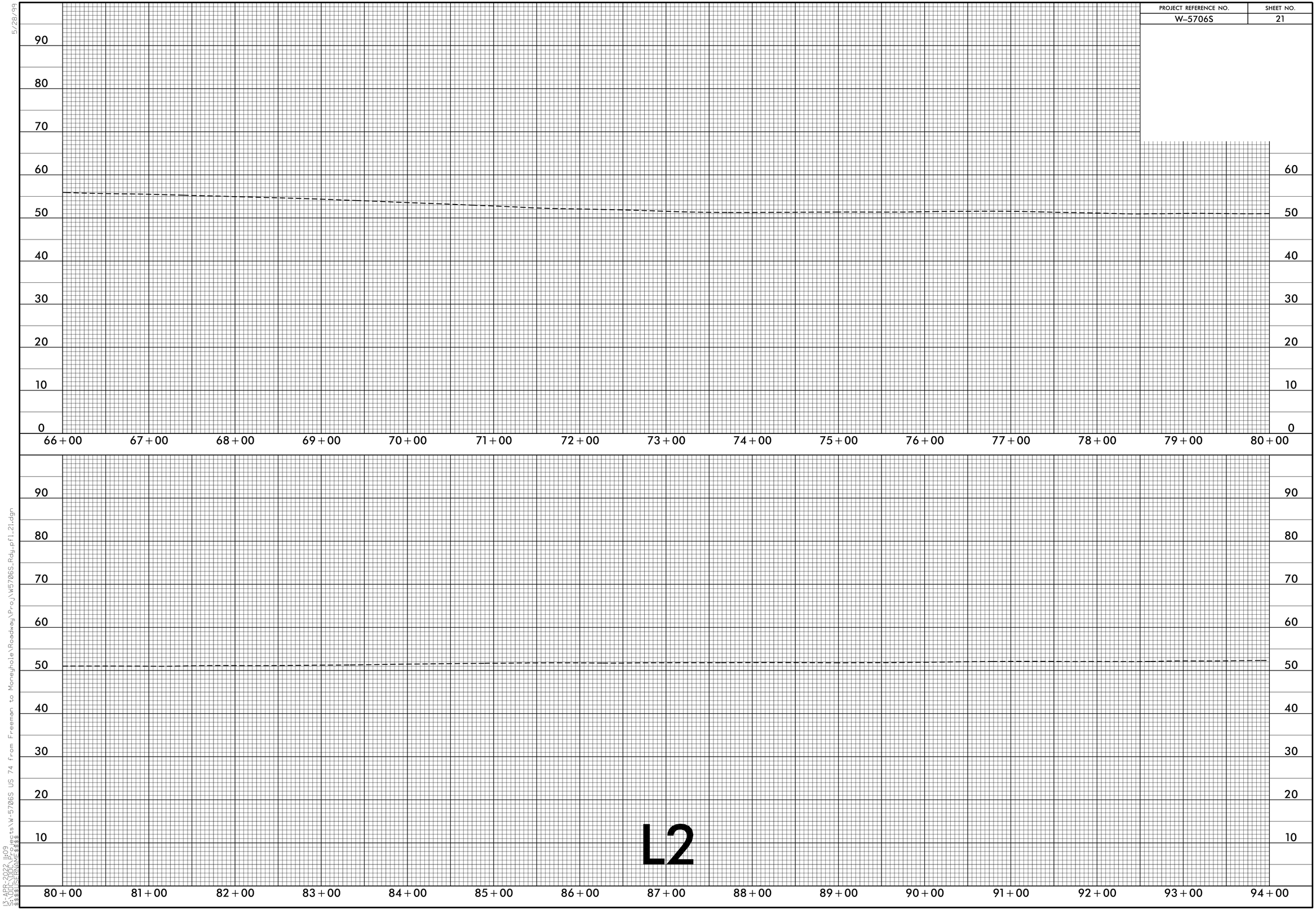
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 21 |




5/28/99

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$$$$USERNAME$$$$

5/28/99

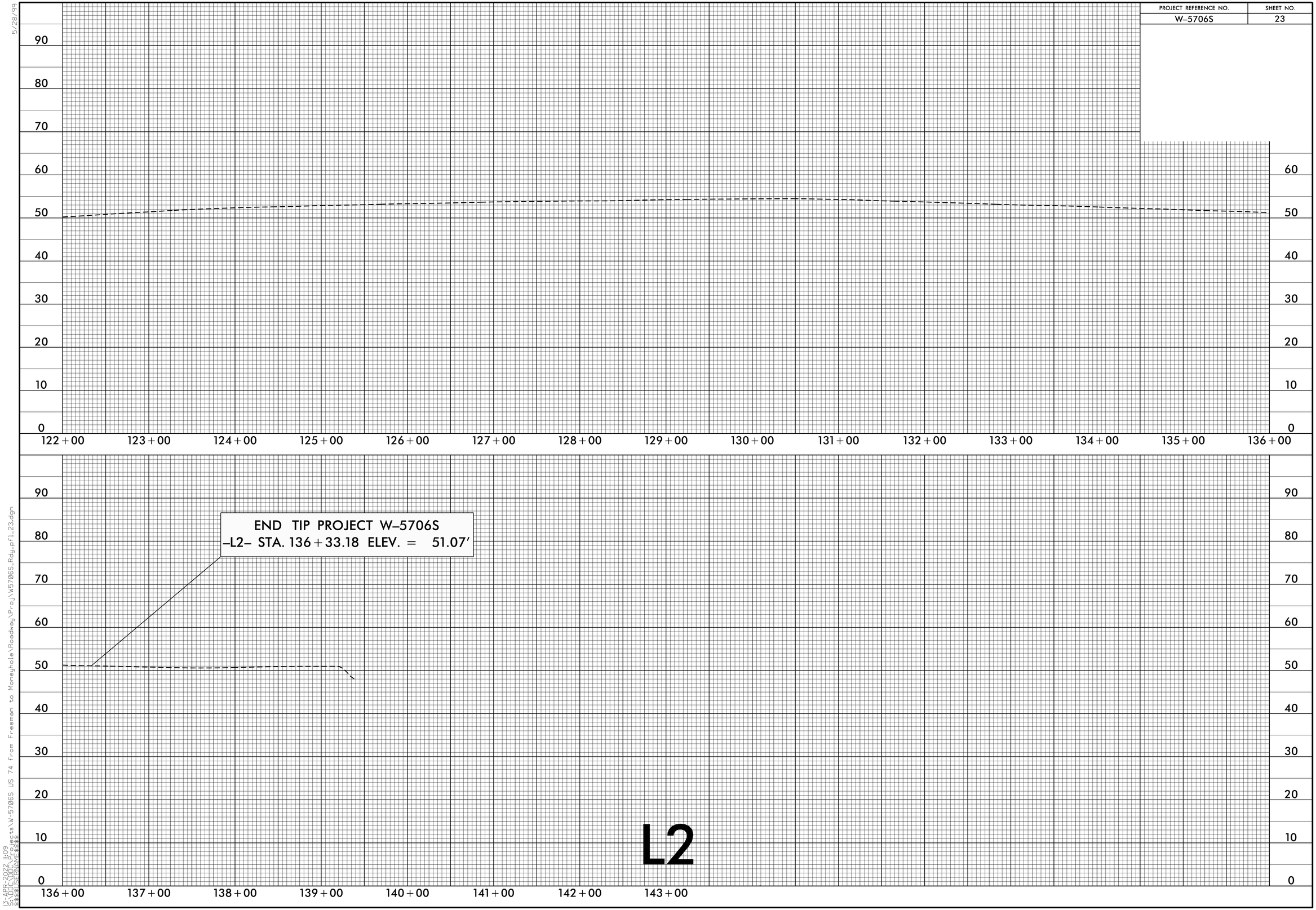
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W–5706S | 22 |

BM3
N 207091 E 2218044
–L2– STA. 120+88.20
52.45′ RT ELEV. = 46.17′
3 NAILS IN BASE OF 18″ GUM

L2

13-APR-2022 11:09
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\Proj\W5706S_Rdy_pf1_22.dgn
$$USERNAME$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | 23 |




5/28/99

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$$$$USERNAME$$$$

09/08/99

**TIP PROJECT: W-5706S**

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| N.C. | W-5706S | RW1 | 18 |

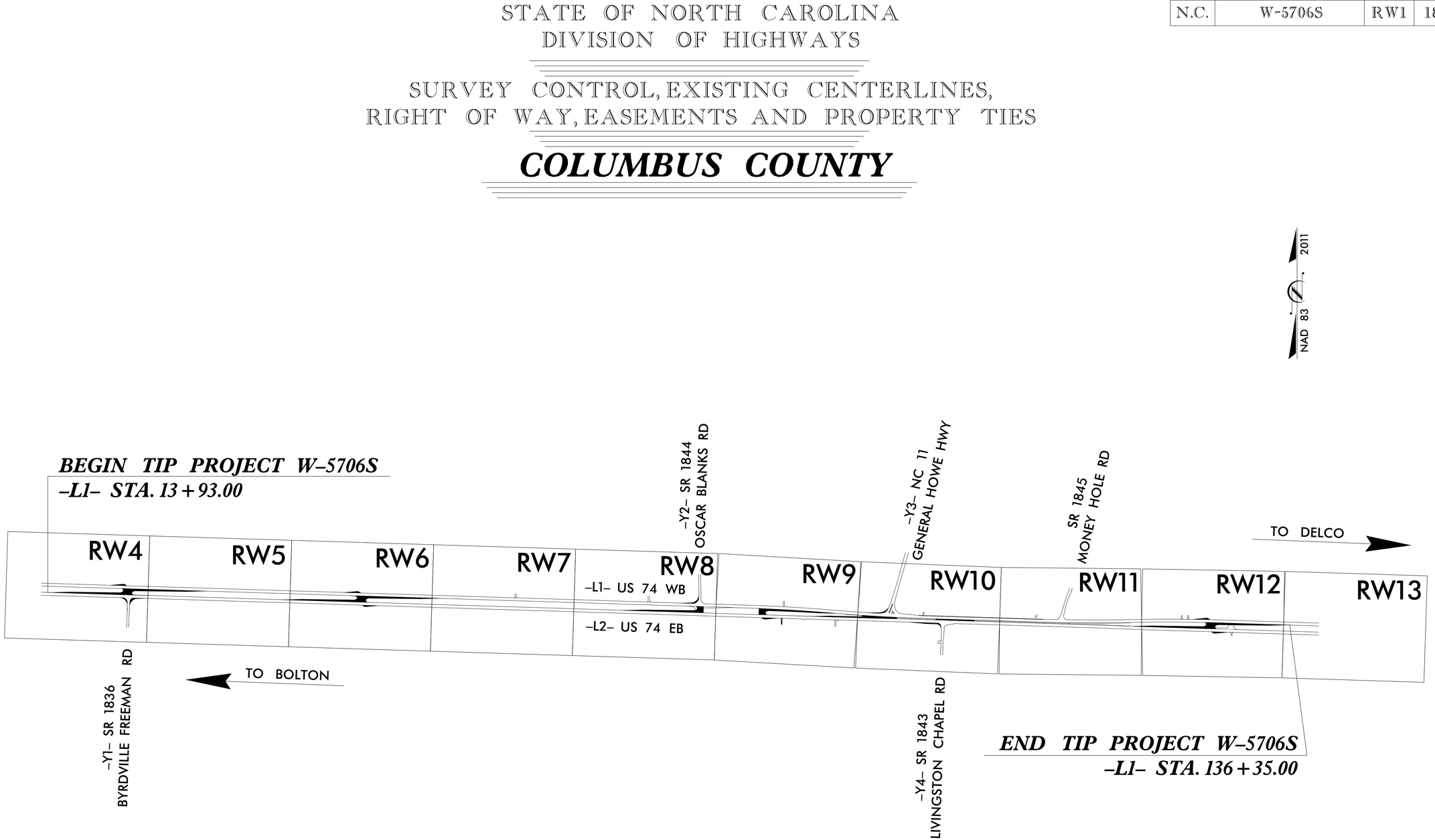
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

# COLUMBUS COUNTY

NAD 83 2011

***BEGIN TIP PROJECT W-5706S***
***-L1- STA. 13+93.00***




***END TIP PROJECT W-5706S***
***-L1- STA. 136+35.00***

***GRAPHIC SCALE***

50 25 0 50 100
PLANS

## *DATUM DESCRIPTION*

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "W-5706S-101"
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 207511.9655(ft) EASTING: 2206670.5295(ft)
ELEVATION: 53.54(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 1.0000140002
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"W-5706S-101" TO -L1- STATION 10+00.00 IS
N 81° 52' 24.99" E 297.12(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

*Prepared in the Office of:*

***NCDOT***
***LOCATION & SURVEYS***
***DIVISION 6***

*2018 STANDARD SPECIFICATIONS*

| *RIGHT OF WAY DATE:* | *LETTING DATE:* |
|---|---|
| *03/30/2020* | *05/04/2022* |

***PROFESSIONAL LAND SURVEYOR***

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

*SIGNATURE:* *Date:*

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

12-APR-2022 16:02
\\DIV06-31442\Projects\Control Sheets\w5706s\work\W5706S_Rdy_tsh.dgn
cmblackmon AT DIV06-32634

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW02C-1 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

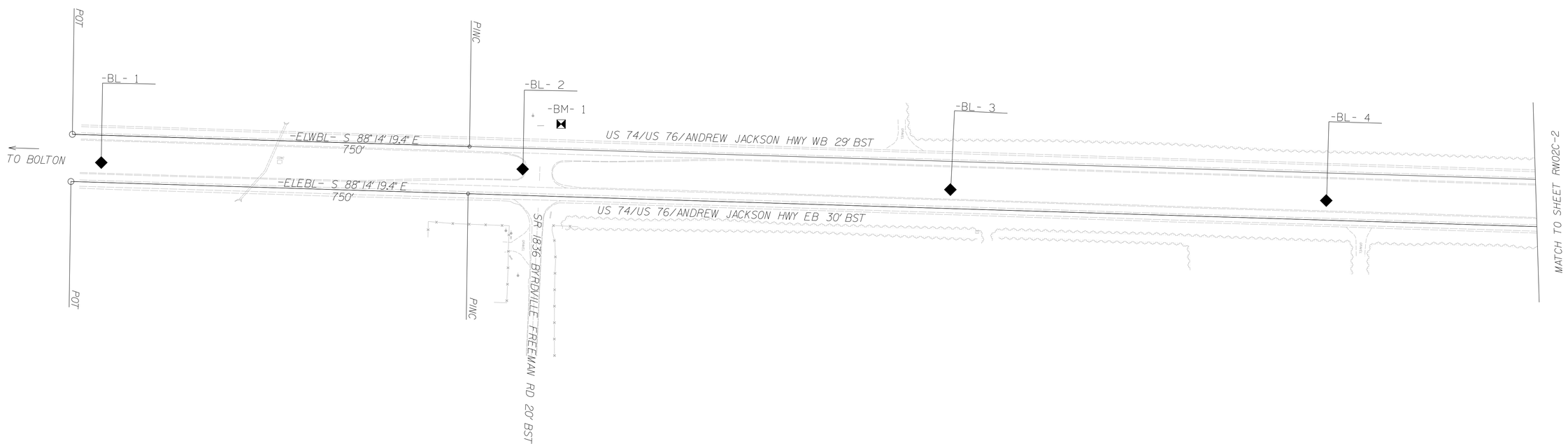
Class of survey: ***AA***
Type of GPS field procedure: Static
Dates of survey: June 2019
Datum/Epoch: NAD83/ NA2011
Published/Fixed-control use: N/A
Localized around: W-5706S-101
Northing: 207511.9655
Easting: 2206670.5295
Combined grid factor: 1.0000140002
Geoid model: G12BNC
Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in June 2019, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
EE4EEB0CF302453
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.




NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.


6/2/99
15-FEB-2022 08:23
C:\Projects\Control Sheets\w5706s\work\w5706s_ls_rw02c-1.dgn
wlwilson AT DIV06-314142

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW02C-2 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DocuSigned by: John E. Kaukola, Jr.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: Static
Dates of survey: June 2019
Datum/Epoch: NAD83/ NA2011
Published/Fixed-control use: N/A
Localized around: W-5706S-101
Northing: 207511.9655
Easting: 2206670.5295
Combined grid factor: 1.0000140002
Geoid model: G12BNC
Units: US Survey Feet

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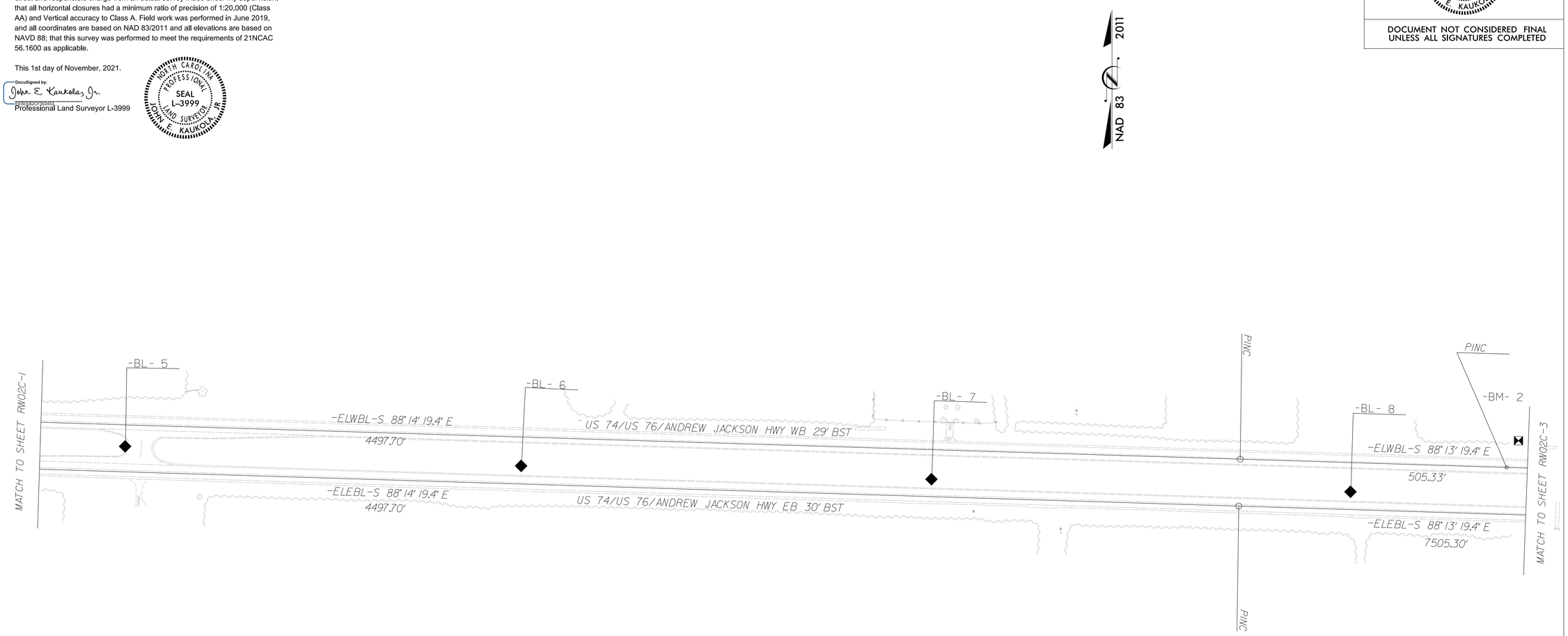
This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
EE5EB02CF302453...
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.




NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

15-FEB-2022 08:34
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wlwilson AT DIV06-314142

6/2/99

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW02C-3 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR.
DocuSigned by: John E. Kaukola, Jr.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: Static
Dates of survey: June 2019
Datum/Epoch: NAD83/ NA2011
Published/Fixed-control use: N/A
Localized around: W-5706S-101
Northing: 207511.9655
Easting: 2206670.5295
Combined grid factor: 1.0000140002
Geoid model: G12BNC
Units: US Survey Feet

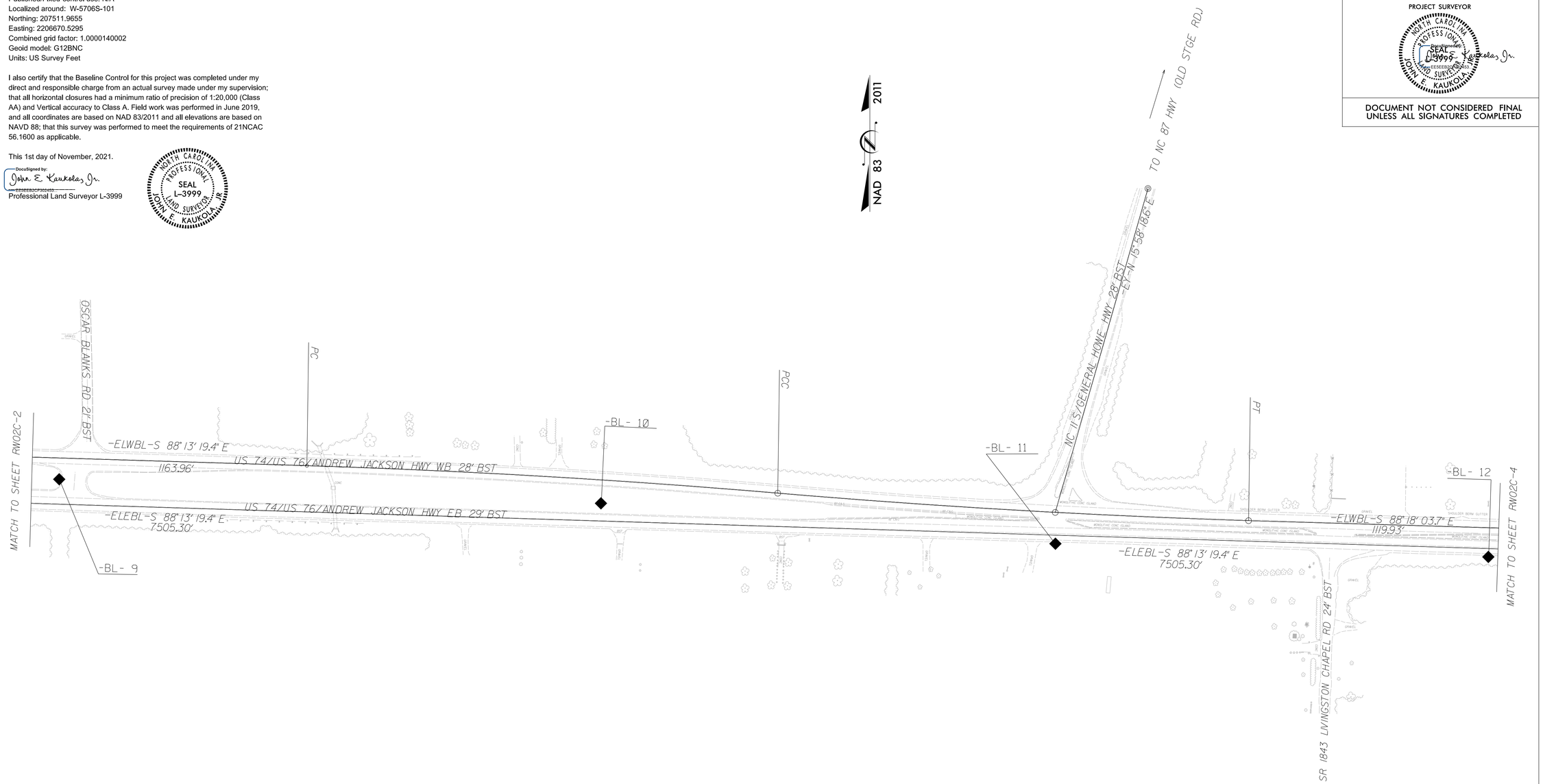
I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in June 2019, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by: John E. Kaukola, Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR.

NAD 83 2011




NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

15-FEB-2022 08:56
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wlwilson AT DIV06-314142

6/2/99

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW02C-4 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR.

DocuSigned by: John E. Kaukolas Jr.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: Static
Dates of survey: June 2019
Datum/Epoch: NAD83/ NA2011
Published/Fixed-control use: N/A
Localized around: W-5706S-101
Northing: 207511.9655
Easting: 2206670.5295
Combined grid factor: 1.0000140002
Geoid model: G12BNC
Units: US Survey Feet

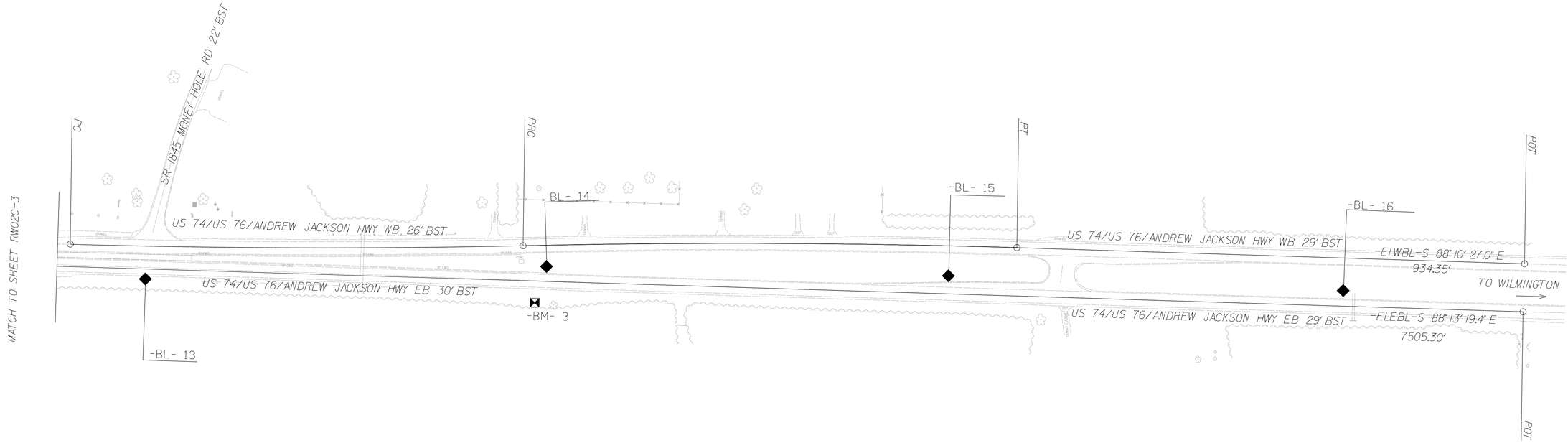
I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in June 2019, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by: John E. Kaukolas Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR.

NAD 83 2011




NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

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wlwilson AT DIV06-314142

6/2/99

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW02C-5 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

DocuSigned by: John E. Kaukola, Jr. 8EFE85C9024F1...

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: Static
Dates of survey: June 2019
Datum/Epoch: NAD83/ NA2011
Published/Fixed-control use: N/A
Localized around: W-5706S-101
Northing: 207511.9655
Easting: 2206670.5295
Combined grid factor: 1.0000140002
Geoid model: G12BNC
Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in June 2019, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by: John E. Kaukola, Jr. 8EFE85C9024F1...
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

BL

| POINT | DESC. | | NORTH | EAST | ELEVATION |
|---|---|---|---|---|---|
| 1 | W-5706S | BL-1 | 207499.3585 | 2207324.4436 | 52.00 |
| 2 | W-5706S | BL-2 | 207485.9236 | 2208120.5825 | 55.44 |
| 3 | W-5706S | BL-3 | 207447.2977 | 2208927.8756 | 55.23 |
| 4 | W-5706S | BL-4 | 207426.6698 | 2209637.3445 | 54.76 |
| 5 | W-5706S | BL-5 | 207414.5770 | 2210398.6858 | 56.61 |
| 6 | W-5706S | BL-6 | 207377.5957 | 2211149.5237 | 55.28 |
| 7 | W-5706S | BL-7 | 207352.3233 | 2211927.4349 | 54.06 |
| 8 | W-5706S | BL-8 | 207328.4861 | 2212721.9697 | 52.90 |
| 9 | W-5706S | BL-9 | 207311.8504 | 2213724.3926 | 51.02 |
| 10 | W-5706S | BL-10 | 207265.5078 | 2214767.7006 | 49.35 |
| 11 | W-5706S | BL-11 | 207187.7084 | 2215642.9194 | 51.32 |
| 12 | W-5706S | BL-12 | 207162.2659 | 2216476.6264 | 49.99 |
| 13 | W-5706S | BL-13 | 207133.4322 | 2217327.7701 | 49.20 |
| 14 | W-5706S | BL-14 | 207156.4619 | 2218065.8159 | 48.31 |
| 15 | W-5706S | BL-15 | 207139.3255 | 2218805.1006 | 52.52 |
| 16 | W-5706S | BL-16 | 207112.0829 | 2219531.3617 | 49.27 |

```
**********************************************
BM1       ELEVATION = 54.16
N 207572      E 2208192
-ELWBL- STA. 19+21   47.6' LEFT
3 NAILS IN BASE OF 18" PINE
**********************************************

**********************************************
BM2       ELEVATION = 52.83
N 207426      E 2213040
-ELWBL- STA. 67+71 51' LEFT
3 NAILS IN BASE OF 20" PINE
**********************************************

**********************************************
BM3       ELEVATION = 46.17
N 207091      E 2218044
-ELEBL- STA. 117+83 40' RT
3 NAILS IN BASE OF 18" GUM
**********************************************
```

ELEBL

| POINT | N | E | BEARING | DIST |
|---|---|---|---|---|
| POT | 207463.701 | 2207267.260 | | |
| LINE | | | S 88°14'19.4" E | 750.00 |
| POT | 207440.650 | 2208016.905 | | |
| LINE | | | S 88°14'19.4" E | 4494.70 |
| POT | 207302.503 | 2212509.482 | | |
| LINE | | | S 88°13'19.4" E | 7505.30 |
| POT | 207069.643 | 2220011.169 | | |

ELWBL

| POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|---|---|---|---|---|---|---|---|---|---|
| POT | 207552.659 | 2207269.995 | | | | | | | |
| LINE | | | S 88°14'19.4" E | 750.00 | | | | | |
| POT | 207529.608 | 2208019.641 | | | | | | | |
| LINE | | | S 88°14'19.4" E | 4494.70 | | | | | |
| POT | 207391.461 | 2212512.217 | | | | | | | |
| LINE | | | S 88°13'19.4" E | 505.33 | | | | | |
| POT | 207375.783 | 2213017.300 | | | | | | | |
| LINE | | | S 88°13'19.4" E | 1183.98 | | | | | |
| PC | 207339.049 | 2214200.710 | | | | | | | |
| CURVE | | | S 86°39'36.5" E | 908.31 | 03°01'41.0"(RT) | 00°20'00.0" | 908.42 | 454.32 | 17188.73 |
| PCC | 207286.132 | 2215107.481 | | | | | | | |
| CURVE | | | S 86°39'36.5" E | 908.31 | 03°01'41.0"(LT) | 00°20'00.0" | 908.42 | 454.32 | 17188.73 |
| PT | 207233.214 | 2216014.253 | | | | | | | |
| LINE | | | S 88°18'03.7" E | 1100.07 | | | | | |
| PC | 207200.599 | 2217113.837 | | | | | | | |
| CURVE | | | S 89°41'17.5" E | 908.31 | 03°01'41.0"(LT) | 00°20'00.0" | 908.42 | 454.32 | 17188.73 |
| PCC | 207195.656 | 2218022.138 | | | | | | | |
| CURVE | | | S 89°47'02.6" E | 908.31 | 03°01'41.0"(RT) | 00°20'00.0" | 908.42 | 454.32 | 17188.73 |
| PT | 207192.233 | 2218930.445 | | | | | | | |
| LINE | | | S 88°10'27.0" E | 1083.16 | | | | | |
| POT | 207157.722 | 2220013.056 | | | | | | | |

EY

| POINT | N | E | BEARING | DIST |
|---|---|---|---|---|
| POT | 207249.126 | 2215641.921 | | |
| LINE | | | N 15°58'18.6" E | 648.78 |
| POT | 207872.865 | 2215820.443 | | |

## NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

15-FEB-2022 09:43
C:\Projects\Control Sheets\w5706s\work\w5706s_ls_rw02c-5.dgn
wilson AT DIV06-314142

# PROPOSED ALIGNMENT CONTROL SHEET

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW02D-1 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR.

DocuSigned by: John E. Kaukola Jr.
EE5EE82C0C2A453...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola Jr., PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola Jr.
EE5EE82C0C2A453...
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR.

L1

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 207553.9659 | 2206964.6684 |
| PC | 82+42.21 | 207329.0607 | 2214203.3861 |
| PRC | 91+28.89 | 207276.9884 | 2215088.4228 |
| PT | 100+34.72 | 207223.5569 | 2215992.5604 |
| PC | 111+96.68 | 207186.8699 | 2217153.9429 |
| PRC | 120+71.15 | 207183.8441 | 2218028.2897 |
| PT | 129+40.92 | 207180.9657 | 2218897.9440 |
| POT | 143+95.64 | 207135.4743 | 2220351.9540 |

L2

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 207488.9973 | 2206962.6498 |
| PC | 83+12.34 | 207261.9143 | 2214271.4604 |
| PRC | 87+20.33 | 207248.4123 | 2214679.2284 |
| PRC | 97+46.65 | 207217.6193 | 2215705.0857 |
| PT | 100+48.38 | 207209.1034 | 2216006.6962 |
| PC | 115+62.06 | 207161.3115 | 2217519.6198 |
| PRC | 120+07.01 | 207146.2737 | 2217964.3131 |
| PT | 124+82.15 | 207130.2871 | 2218439.1833 |
| POT | 143+93.82 | 207070.5061 | 2220349.9213 |

Y1

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 207452.0785 | 2208150.9018 |
| POT | 13+17.51 | 207134.8914 | 2208136.5625 |

Y2

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 207658.7986 | 2213774.0045 |
| PC | 11+52.58 | 207506.2613 | 2213777.7513 |
| PT | 13+16.55 | 207342.3986 | 2213774.0984 |

Y3

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 207685.8471 | 2215766.9164 |
| PC | 12+27.17 | 207467.4443 | 2215704.4066 |
| PT | 13+87.26 | 207316.7764 | 2215650.6354 |
| POT | 14+71.20 | 207239.6820 | 2215617.4180 |

Y4

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| POT | 10+00.00 | 207203.8911 | 2216171.7006 |
| POT | 13+50.00 | 206854.0599 | 2216160.8314 |

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

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wlwilson AT DIV06-314142

6/2/99

REVISIONS

# *RIGHT OF WAY CONTROL SHEET*

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW03E-1 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA

DocuSigned by: John E. Kaukola Jr. 4A4E5EEEBE8E4D0...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by: John E. Kaukola Jr. 4A4E5EEEBE8E4D0...

Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| L1 | 19+65.00 | -69.39 | 207593.3513 | 2207931.3577 |
| L1 | 20+55.20 | -69.42 | 207590.5790 | 2208021.5156 |
| L1 | 21+65.00 | -69.45 | 207587.2037 | 2208131.2633 |
| L1 | 42+75.00 | -70.11 | 207522.3412 | 2210240.2662 |
| L1 | 45+00.00 | -70.18 | 207515.4246 | 2210465.1598 |
| L1 | 126+45.00 | -75.64 | 207263.0417 | 2218603.0231 |
| L1 | 127+24.71 | -74.73 | 207260.9399 | 2218683.0991 |
| L1 | 128+75.00 | -73.39 | 207256.2547 | 2218834.0345 |

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| L2 | 20+75.00 | 72.00 | 207383.6481 | 2208034.8954 |
| L2 | 20+75.00 | 51.50 | 207404.1339 | 2208035.5319 |
| L2 | 21+40.00 | 72.00 | 207381.6295 | 2208099.8640 |
| L2 | 22+40.00 | 65.00 | 207385.5207 | 2208200.0332 |
| L2 | 23+45.00 | 65.00 | 207382.2599 | 2208304.9826 |
| L2 | 23+45.00 | 51.41 | 207395.8465 | 2208305.4047 |
| L2 | 44+80.00 | 65.00 | 207315.9580 | 2210438.9528 |
| L2 | 44+80.00 | 56.05 | 207324.9048 | 2210439.2308 |
| L2 | 46+75.00 | 65.00 | 207309.9023 | 2210633.8588 |
| L2 | 46+75.00 | 56.96 | 207317.9376 | 2210634.1084 |
| L2 | 84+00.00 | 70.00 | 207189.1892 | 2214356.8443 |
| L2 | 84+00.00 | 56.18 | 207203.0023 | 2214357.2856 |
| L2 | 86+10.00 | 70.00 | 207182.2682 | 2214566.5831 |
| L2 | 86+10.00 | 57.54 | 207194.7248 | 2214567.0073 |
| L2 | 128+35.00 | 48.91 | 207070.3667 | 2218790.3311 |
| L2 | 128+35.00 | 65.00 | 207054.2847 | 2218789.8280 |
| L2 | 130+50.00 | 65.00 | 207047.5614 | 2219004.7228 |
| L2 | 130+50.00 | 48.83 | 207063.7191 | 2219005.2284 |

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| Y1 | 11+00.00 | -29.63 | 207350.8424 | 2208175.9859 |
| Y1 | 11+00.00 | 30.37 | 207353.5521 | 2208116.0471 |

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021 .

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wlwilson
ALT_DIV06-31414.2

6/2/99

REVISIONS

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.

Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW4 |

# Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DocuSigned by: John E. Kaukola, Jr.
[illegible]

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83 2011

MATCHLINE –L1– STA. 23+75 SEE SHEET RW5

–L1– POT STA. 10+00.00

S 88°13'13.5" E

–L2– POT STA. 10+00.00

–Y1– POT STA. 10+00.00 =
–L2– POT STA. 21+88.83

–Y1– POT STA. 13+17.51

N 88°46'44" E
115.09'

S 00°37'19" E
206.83'

N 00°37'19" W
208.83'

S 2°35'18.4" W

60.00'

+65.00(L1)
EX R/W
BEG. C/A

+35.00(L1)
90.00
EX R/W

+55.20(L1)
EX R/W

+69.04(L1)
90.00

+65.00(L1)
EX R/W
END C/A

1
SOUTHERN DIVERSIFIED LLC
CAMPBELL GLOBAL LLC
DB 1138 PG 422

WANDA GORE BROWN
DB 1179 PG 555
PB 76 PG 36

2
BYRD FAMILY LLC OF LAKE WACCAMAW
DB 653 PG 936

+75.00(L2)
72.00
EX R/W

+40.00(L2)
72.00

+00.00(Y1)
EX R/W

3
JERRY WAYNE GORE
DB 783 PG 877

+45.00(L2)
65.00
EX R/W

+40.00(L2)
65.00

+00.00(Y1)
EX R/W

WOODS
EXISTING R/W
TO BOLTON
US 74/US 76/ANDREW JACKSON HWY WB 29' BST
US 74/US 76/ANDREW JACKSON HWY EB 30' BST
CONC
APPROXIMATE JUNCTION
EXIST 60" CULVERT
CONC HW
EXISTING R/W
SR 1835 PINNIX FARM DR (SR 1835)
EXISTING R/W

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

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wilson
AT DIV06 31412

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW5 |

## Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DocuSigned by: John E. Kaukola, Jr.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

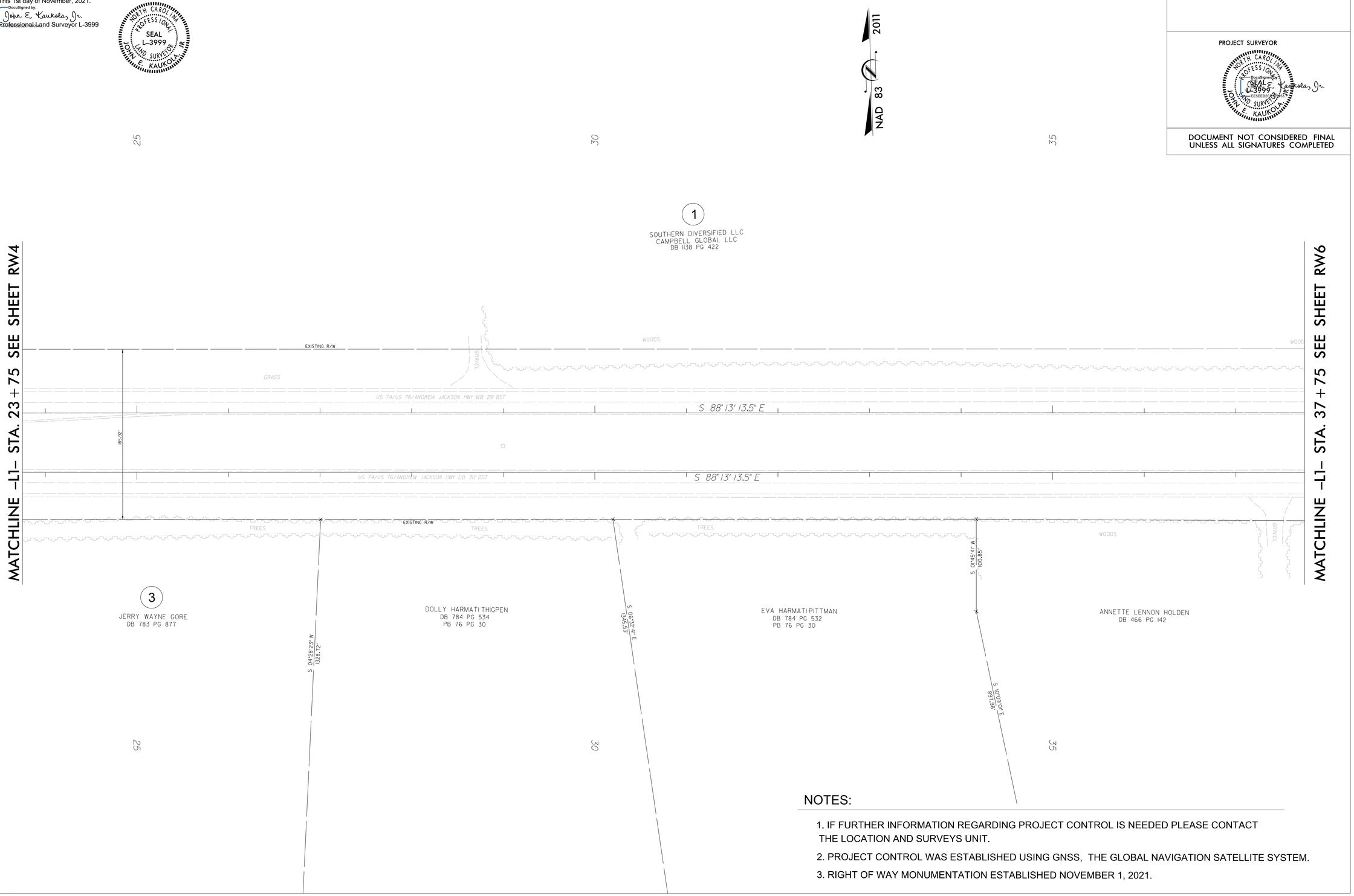
I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November, 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by: John E. Kaukola, Jr.

Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.




NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

REVISIONS

6/2/99

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wlwilson AT DIV06-314142

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW6 |

## Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

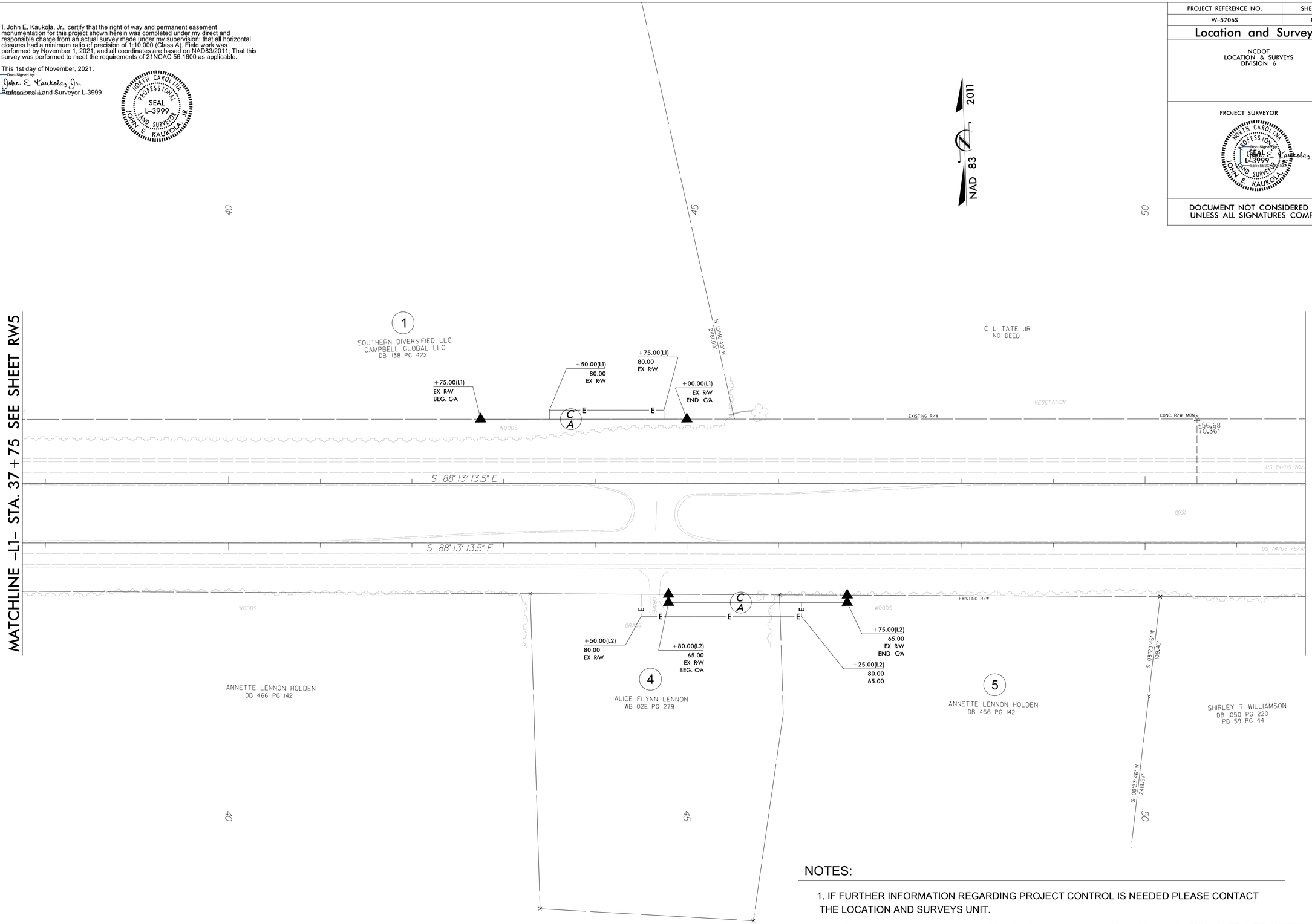
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.




## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

REVISIONS

6/2/99

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wlwilson AT DIV06-314142

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW7 |

# Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA JR

REVISIONS

6/2/99

MATCHLINE –L1– STA. 51+75 SEE SHEET RW6

MATCHLINE –L1– STA. 65+75 SEE SHEET RW8

N 10°46'40" W 298.85'

N 88°14'23" W 105.00'

2011 NAD 83

55 60 65

C L TATE JR
NO DEED

TERRY GAUSE
DB 335 PG 500

N 10°46'40" W 297.07'

N 10°46'40" W 297.07'

TERRY GAUSE
DB 335 PG 500
PB 39 PG 50

N 7°01'13" W 2066.41'

ALFRED DESIBO JR
DB 1103 PG 636

S 10°37'57" E 2116.44'

MONA FAYE BLACK
DB 281PG 787

THURSTON CALVIN MALPASS
DB 347 PG 621

WOODS

CONC HW

PAVED DITCH

CONC

BST

TREES

ANDREW JACKSON HWY WB 29' BST

S 88°13'13.5" E

ANDREW JACKSON HWY EB 30' BST

S 88°13'13.5" E

SHIRLEY T WILLIAMSON
DB 1050 PG 220
PB 59 PG 44

S 08°23'46" W 295.01'

JARO EARL WILLIAMSON
DB 482 PG 629
PB 59 PG 44

S 08°23'46" W 2500.65'

JARO EARL WILLIAMSON
DB 1167 PG 871
PB 59 PG 44

S 08°23'46" W 2486.08'

JARO EARL WILLIAMSON
DB 482 PG 674
PB 59 PG 44

S 08°23'46" W 2471.80'

SHIRLEY TERESA WILLIAMSON
DB 482 PG 637
PB 59 PG 44

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

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wilson
AT DIV06 31412

6/2/99

REVISIONS

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

NAD 83 2011

MATCHLINE –L1– STA. 65+75 SEE SHEET RW7

MATCHLINE –L1– STA. 79+75 SEE SHEET RW9

506.00'

20' EASEMENT DB 708 PG 183

S 11°29'42" E 228.38'

S 86°20'35" E 278.21'

N 01°18'57" W 433.23'

S 11°24'25.4" E

–Y2– POT STA. 10+00.00

–Y2– PC STA. 11+52.58

–Y2– PT STA. 13+16.55 = –L1– POT STA. 78+12.72

THURSTON CALVIN MALPASS
DB 347 PG 621

N 11°29'42" W 254.34'

ANGELA P BLACKLEY
DB 1183 PG 812
PB 104 PG 17

S 03°38'57" E 235.39'

DONALD EARL LENNON
DB 708 PG 183
PB 104 PG 17

DONALD EARL LENNON
DB 708 PG 183
PB 104 PG 17

RONNIE L BECK
DB 1107 PG 987

GRASS

WOODS

PAVED DITCH

EIP

+54.51
70.91'

EIP

+96.44
75.01'

BST

GRAVEL

R/W MON

+89.50
35.80'

+87.60
32.26'

R/W MON

+35.11
80.32'

R/W MON

+90.46
87.26'

R/W MON

–Y2–

GRASS

S 88°13'13.5" E

APPROXIMATE JUNCTION

S 88°13'13.5" E

CONC

WOODS

WOODS

WOODS

WOODS

SHIRLEY TERESA WILLIAMSON
DB 482 PG 637
PB 59 PG 44

S 08°23'46" W 245.78'

SHIRLEY TERESA WILLIAMSON
DB 488 PG 76
PB 59 PG 44

S 04°56'52" W 108.25'

ELWOOD AND ROSADELL MARTIN CHARITABLE TRUST
DB 993 PG 515
PB 3 PG 24

S 01°30'40" W 518.40'

S 01°49'33" E 147.69'

VERNA M GAINEY IRREVOCABLE TRUST
DB 1167 PG 33

70

75

–Y2–

PI Sta 12+34.63
△ = 5° 22' 05.6" (RT)
D = 3° 16' 26.6"
L = 163.96'
T = 82.04'
R = 1,750.00'

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DocuSigned by: John E. Kaukola, Jr.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW8 |

# Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

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wilson
ATDI06-31412

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW9 |

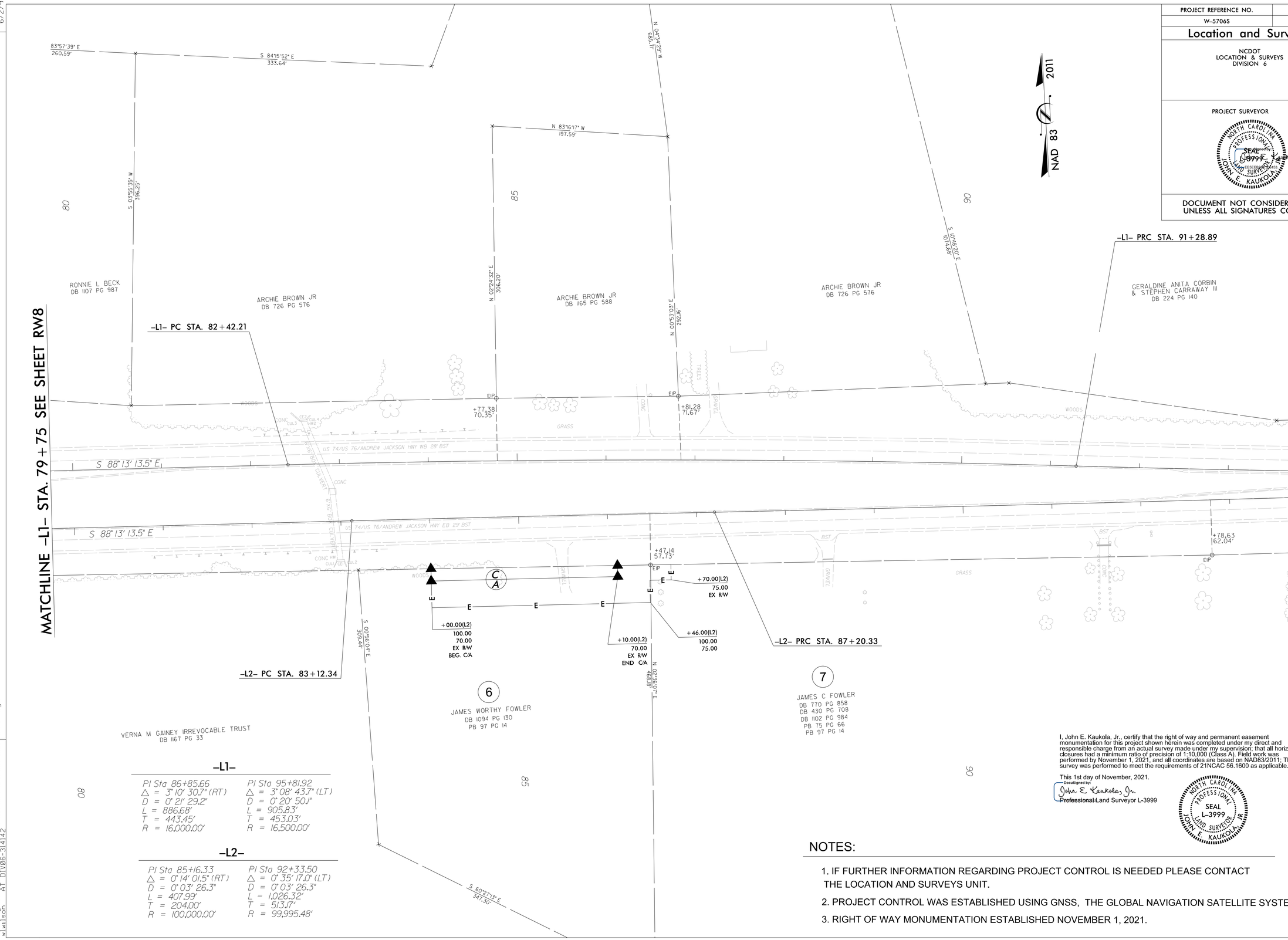
## Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED




### -L1-

| PI Sta 86+85.66 | PI Sta 95+81.92 |
|---|---|
| △ = 3° 10' 30.7" (RT) | △ = 3° 08' 43.7" (LT) |
| D = 0° 21' 29.2" | D = 0° 20' 50.1" |
| L = 886.68' | L = 905.83' |
| T = 443.45' | T = 453.03' |
| R = 16,000.00' | R = 16,500.00' |

### -L2-

| PI Sta 85+16.33 | PI Sta 92+33.50 |
|---|---|
| △ = 0° 14' 01.5" (RT) | △ = 0° 35' 17.0" (LT) |
| D = 0° 03' 26.3" | D = 0° 03' 26.3" |
| L = 407.99' | L = 1,026.32' |
| T = 204.00' | T = 513.17' |
| R = 100,000.00' | R = 99,995.48' |

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

REVISIONS

6/2/99

15-FEB-2022 16:14
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wlwilson AT DIV06-314142

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW10 |

## Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

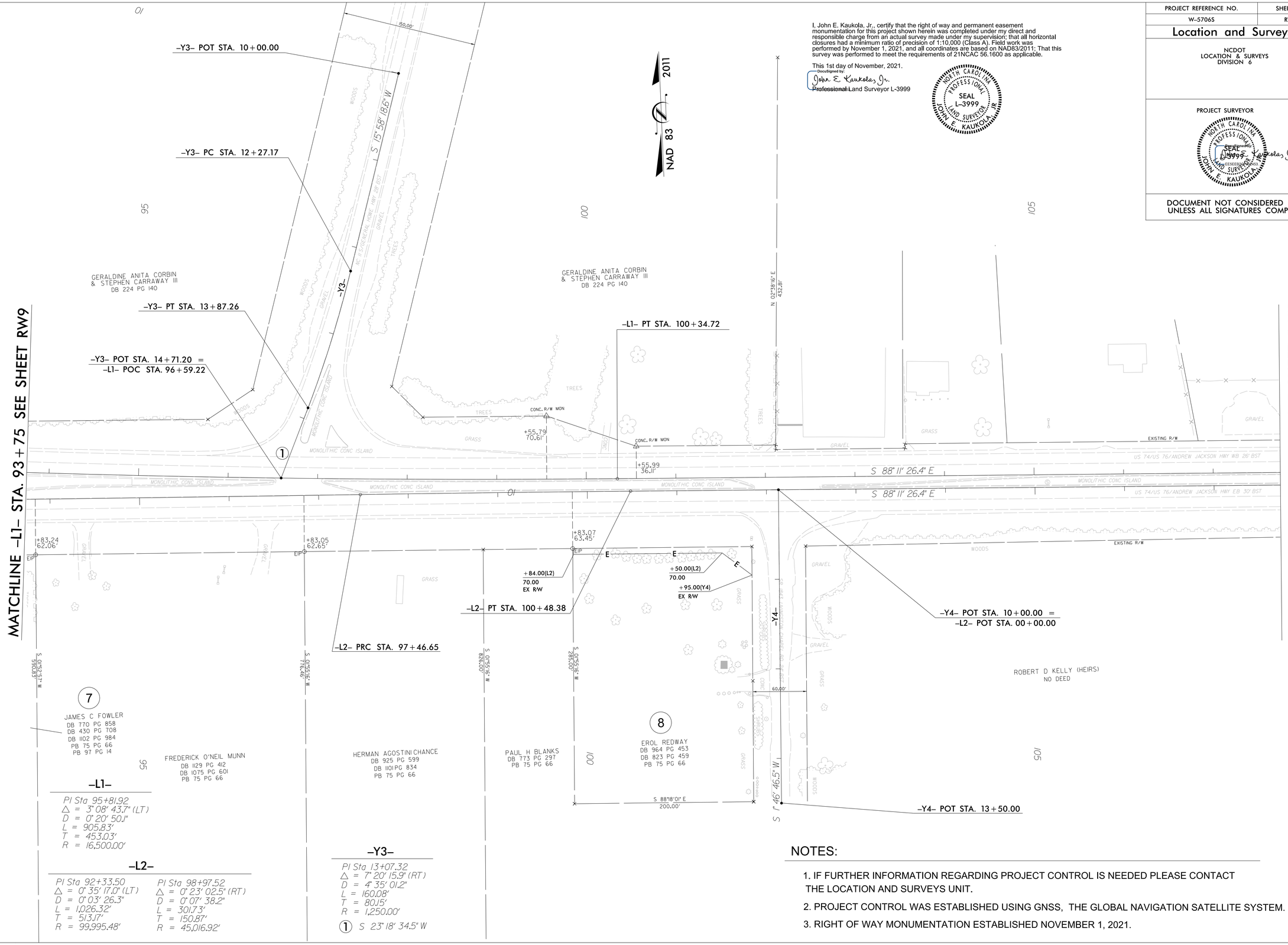
NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
Professional Land Surveyor L-3999




### -L1-

PI Sta 95+81.92
△ = 3° 08' 43.7" (LT)
D = 0° 20' 50.1"
L = 905.83'
T = 453.03'
R = 16,500.00'

### -L2-

PI Sta 92+33.50
△ = 0° 35' 17.0" (LT)
D = 0° 03' 26.3"
L = 1,026.32'
T = 513.17'
R = 99,995.48'

PI Sta 98+97.52
△ = 0° 23' 02.5" (RT)
D = 0° 07' 38.2"
L = 301.73'
T = 150.87'
R = 45,016.92'

### -Y3-

PI Sta 13+07.32
△ = 7° 20' 15.9" (RT)
D = 4° 35' 01.2"
L = 160.08'
T = 80.15'
R = 1,250.00'

① S 23° 18' 34.5" W

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

REVISIONS

6/2/99

15-FEB-2022 16:19
C:\Projects\Control Sheets\w5706s\work\w5706s_ls_rw10.dgn
wlwilson AT DIV06-314142

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW11 |

# Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

NAD 83 2011

MATCHLINE –L1– STA. 107+75 SEE SHEET RW10

MATCHLINE –L1– STA. 121+75 SEE SHEET RW12

–L1– PC STA. 111+96.68

–L1– PRC STA. 120+71.15

–L2– PC STA. 115+62.06

–L2– PRC STA. 120+07.01

110 115 120

60.00'

SR 1940 MONEY HOLE RD (FT BST)

GRASS GRAVEL BST CONC WOODS TREES

S 88° 11' 26.4" E

S 88° 11' 26.4" E

6'X4' BOX CULVERT

N 08°22'20" W 135.00'

S 88°22'20" E 1642.08'

ROBERT D KELLY (HEIRS)
NO DEED

BRUNSWICK PLACE OLD FAYETTEVILLE ROAD LLC
DB 1070 PG 974

**–L1–**

| | |
|---|---|
| PI Sta 116+34.03 | PI Sta 125+06.15 |
| △ = 3° 13' 19.5" (LT) | △ = 3° 12' 17.2" (RT) |
| D = 0° 22' 06.5" | D = 0° 22' 06.5" |
| L = 874.47' | L = 869.77' |
| T = 437.35' | T = 435.00' |
| R = 15,550.00' | R = 15,550.00' |

**–L2–**

| | |
|---|---|
| PI Sta 117+84.54 | PI Sta 122+44.58 |
| △ = 0° 15' 17.8" (RT) | △ = 0° 16' 20.0" (LT) |
| D = 0° 03' 26.3" | D = 0° 03' 26.3" |
| L = 444.95' | L = 475.14' |
| T = 222.47' | T = 237.57' |
| R = 100,000.00' | R = 100,000.14' |

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

REVISIONS 6/2/99

15-FEB-2022 16:24
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wilson
dgn DIV06_31412

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW12 |

## Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

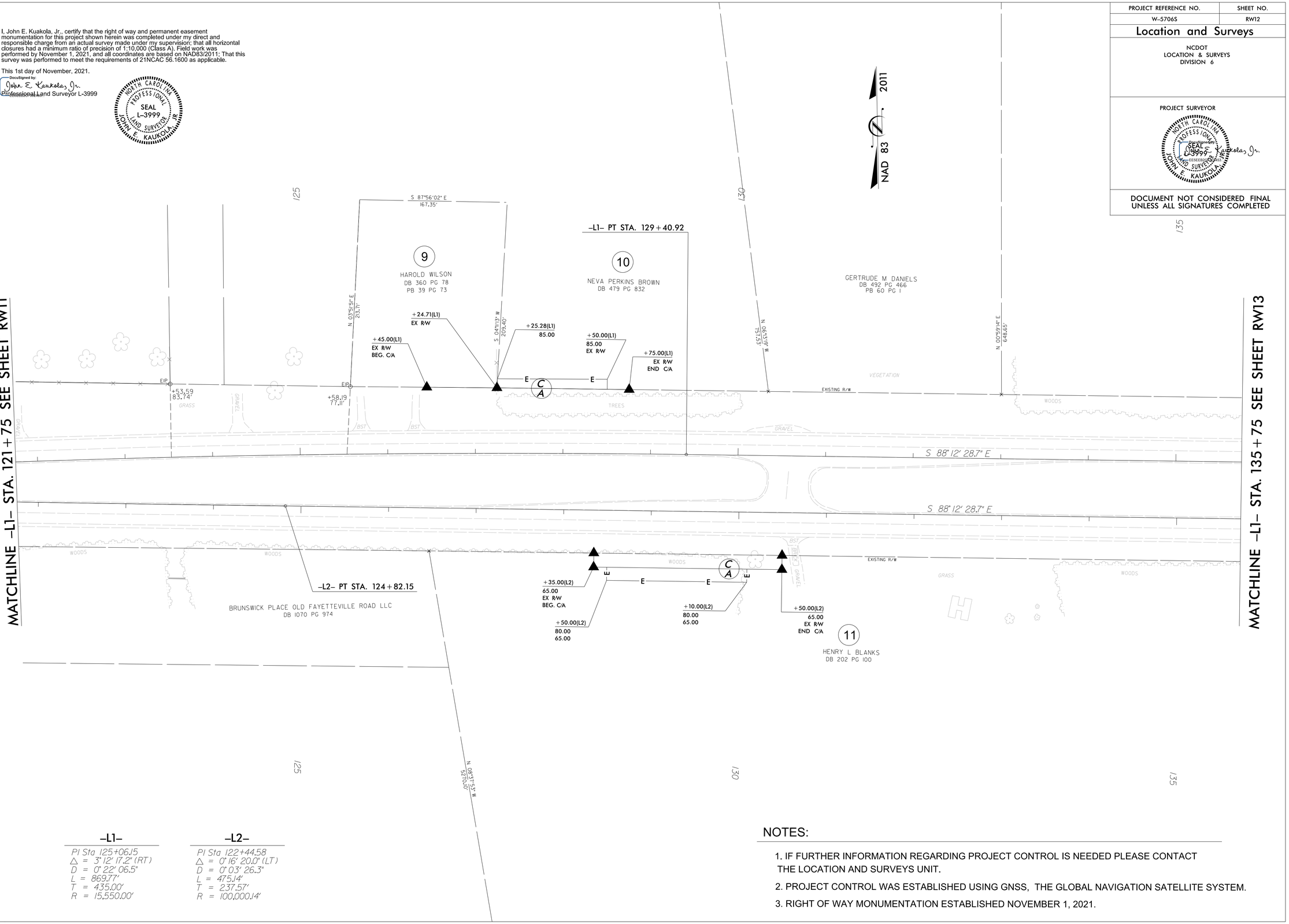
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kuakola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by:
John E. Kaukola, Jr.
Professional Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.




| -L1- | -L2- |
|---|---|
| PI Sta 125+06.15 | PI Sta 122+44.58 |
| △ = 3° 12' 17.2" (RT) | △ = 0° 16' 20.0" (LT) |
| D = 0° 22' 06.5" | D = 0° 03' 26.3" |
| L = 869.77' | L = 475.14' |
| T = 435.00' | T = 237.57' |
| R = 15,550.00' | R = 100,000.14' |

## NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

REVISIONS

6/2/99

15-FEB-2022 16:32
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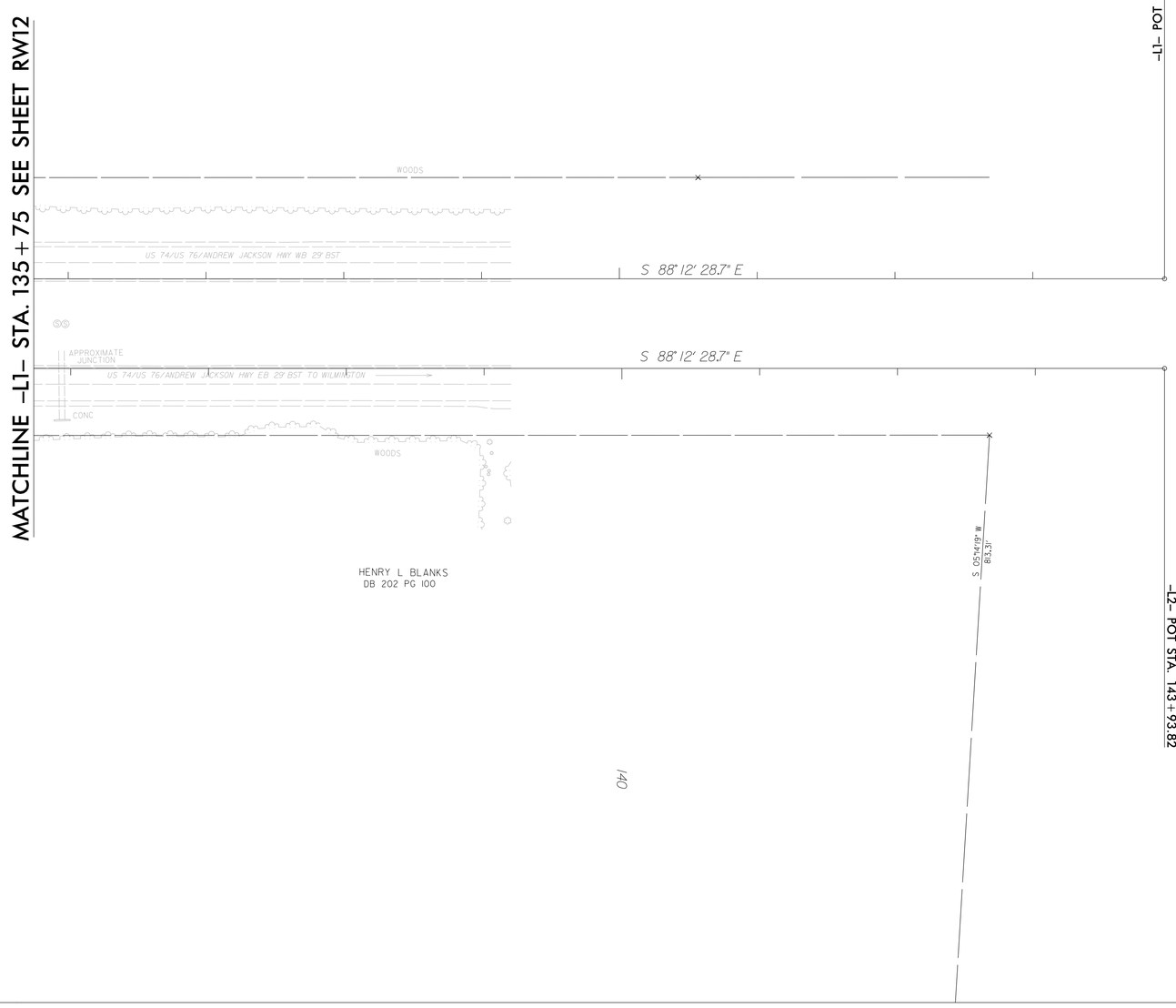
wlwilson AT DIV06-314142

6/2/99

REVISIONS




NAD 83 2011

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | RW13 |

Location and Surveys

NCDOT
LOCATION & SURVEYS
DIVISION 6

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

DocuSigned by: John E. Kaukola, Jr.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, John E. Kaukola, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed by November 1, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of November, 2021.

DocuSigned by: John E. Kaukola, Jr.
~~Professional~~ Land Surveyor L-3999

NORTH CAROLINA PROFESSIONAL SEAL L-3999 LAND SURVEYOR JOHN E. KAUKOLA, JR.

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 1, 2021.

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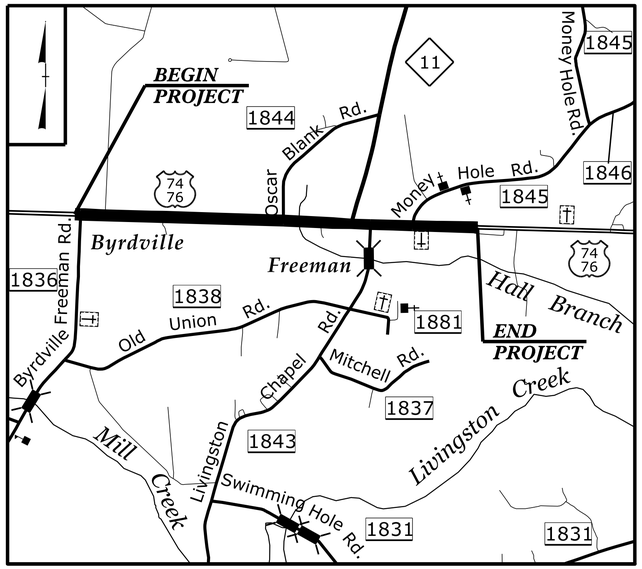
wilson
AT_D1006_31412

# TIP PROJECT: W-5706S

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| N.C. | W-5706S | EC-1 | |

| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION |
|---|---|---|
| 44852.1.19 | HSIP-0074(220) | PE |
| 44852.2.19 | HSIP-0074(220) | ROW/UTIL |
| 44852.3.19 | HSIP-0074(220) | CONST |




## VICINITY MAP N.T.S.

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

## PLAN FOR PROPOSED
## HIGHWAY EROSION CONTROL

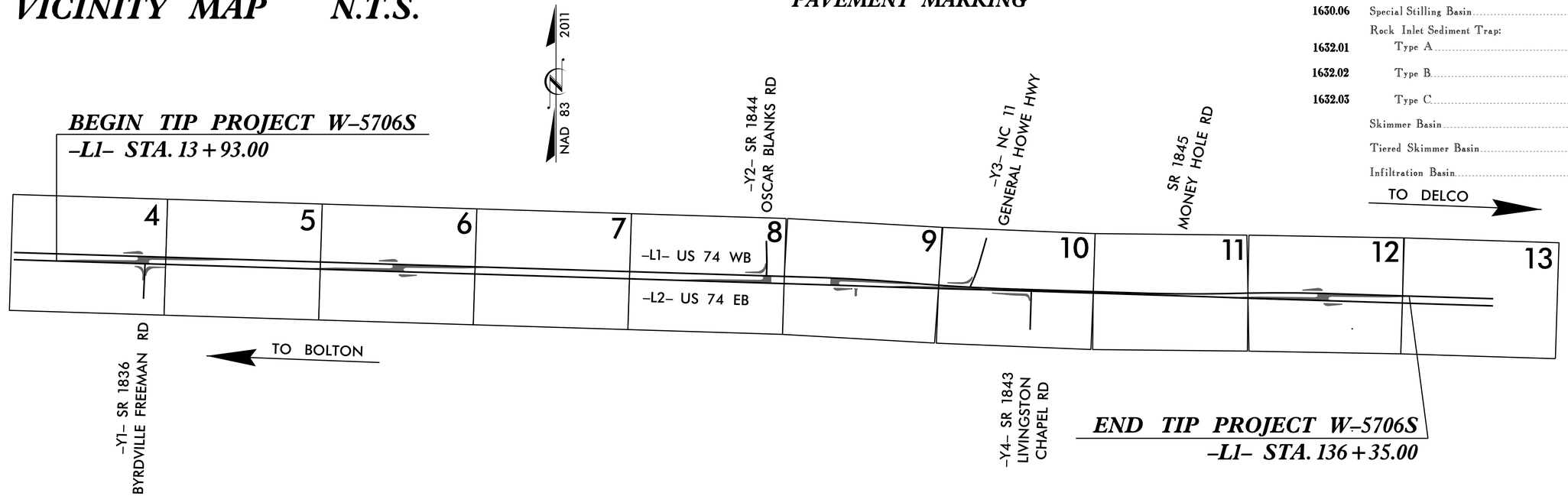
# COLUMBUS COUNTY

***LOCATION: US 74 FROM 150 FEET WEST OF SR 1836 (BYRDVILLE FREEMAN ROAD) TO 1800 FEET EAST OF SR 1845 (MONEY HOLE ROAD)***

***TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNING, AND PAVEMENT MARKING***

## EROSION AND SEDIMENT CONTROL MEASURES

| Std. # | Description | Symbol |
|---|---|---|
| 1630.03 | Temporary Silt Ditch | TSD |
| 1630.05 | Temporary Diversion | TD |
| 1605.01 | Temporary Silt Fence | |
| 1606.01 | Special Sediment Control Fence | |
| 1622.01 | Temporary Berms and Slope Drains | |
| 1630.02 | Silt Basin Type B | |
| 1633.01 | Temporary Rock Silt Check Type-A | |
| | Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM) | |
| 1633.02 | Temporary Rock Silt Check Type-B | |
| | Wattle/ Coir Fiber Wattle | EW CFW |
| | Wattle/ Coir Fiber Wattle with Polyacrylamide (PAM) | |
| 1634.01 | Temporary Rock Sediment Dam Type-A | |
| 1634.02 | Temporary Rock Sediment Dam Type-B | |
| 1635.01 | Rock Pipe Inlet Sediment Trap Type-A | |
| 1635.02 | Rock Pipe Inlet Sediment Trap Type-B | |
| 1630.04 | Stilling Basin | |
| 1630.06 | Special Stilling Basin | |
| | Rock Inlet Sediment Trap: | |
| 1632.01 | Type A | A |
| 1632.02 | Type B | B |
| 1632.03 | Type C | C |
| | Skimmer Basin | |
| | Tiered Skimmer Basin | |
| | Infiltration Basin | |




**GRAPHIC SCALE**

50 25 0 50 100

PLANS

*Prepared in the Office of:*

***DIVISION 6 DDC***

*431 Transportation Dr.*
*Fayetteville NC, 28301*

***2018 STANDARD SPECIFICATIONS***

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

| | | | |
|---|---|---|---|
| 1604.01 | Railroad Erosion Control Detail | 1632.01 | Rock Inlet Sediment Trap Type A |
| 1605.01 | Temporary Silt Fence | 1632.02 | Rock Inlet Sediment Trap Type B |
| 1606.01 | Special Sediment Control Fence | 1632.03 | Rock Inlet Sediment Trap Type C |
| 1607.01 | Gravel Construction Entrance | 1633.01 | Temporary Rock Silt Check Type A |
| 1622.01 | Temporary Berms and Slope Drains | 1633.02 | Temporary Rock Silt Check Type B |
| 1630.01 | Riser Basin | 1634.01 | Temporary Rock Sediment Dam Type A |
| 1630.02 | Silt Basin Type B | 1634.02 | Temporary Rock Sediment Dam Type B |
| 1630.03 | Temporary Silt Ditch | 1635.01 | Rock Pipe Inlet Sediment Trap Type A |
| 1630.04 | Stilling Basin | 1635.02 | Rock Pipe Inlet Sediment Trap Type B |
| 1630.05 | Temporary Diversion | 1640.01 | Coir Fiber Baffle |
| 1630.06 | Special Stilling Basin | 1645.01 | Temporary Stream Crossing |
| 1631.01 | Matting Installation | | |

13-APR-2022 11:10
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$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
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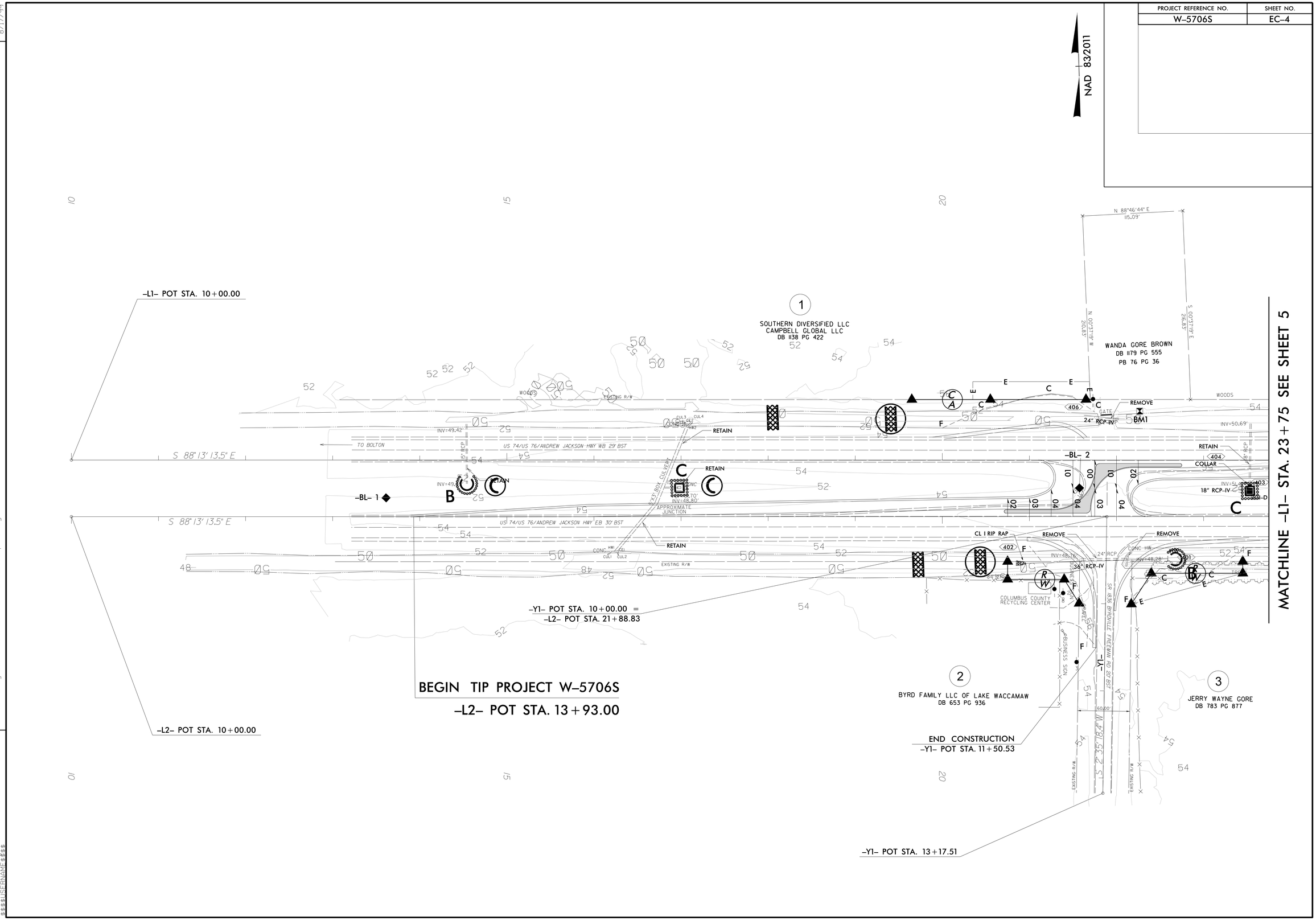


REVISIONS

8/17/99

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| PROJECT REFERENCE NO. | SHEET NO. |
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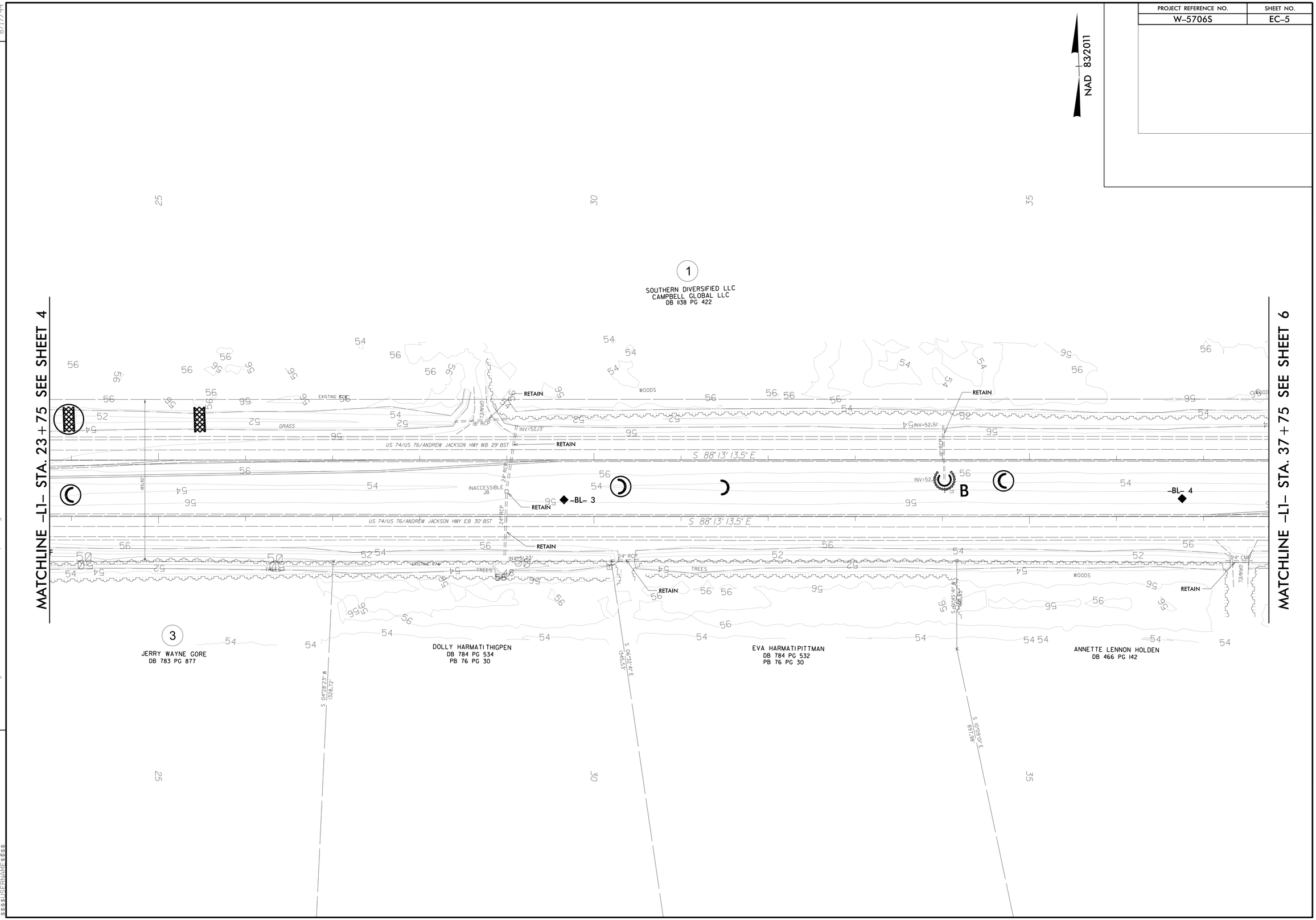


REVISIONS

8/17/99

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | EC-6 |

NAD 83/2011

8/17/99

REVISIONS

MATCHLINE -L1- STA. 37+75 SEE SHEET 5

MATCHLINE -L1- STA. 51+75 SEE SHEET 7

1

SOUTHERN DIVERSIFIED LLC
CAMPBELL GLOBAL LLC
DB 1138 PG 422

C L TATE JR
NO DEED

N 10°46'40" W
248.00'

RETAIN

VEGETATION

EXISTING R/W

CONC. R/W MON

12" CMP

18" CMP

18" RCP

24" RCP

CWOODS

S 88°13'13.5" E

-BL- 5

RETAIN SYSTEM

WOODS

GRASS

GRAVEL

US 74/US 76/

S 08°23'46" W
1409.40'

S 08°23'46" W
2493.97'

ANNETTE LENNON HOLDEN
DB 466 PG 142

4

ALICE FLYNN LENNON
WB 02E PG 279

5

ANNETTE LENNON HOLDEN
DB 466 PG 142

SHIRLEY T WILLIAMSON
DB 1050 PG 220
PB 59 PG 44

13-APR-2022 JH0
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REVISIONS

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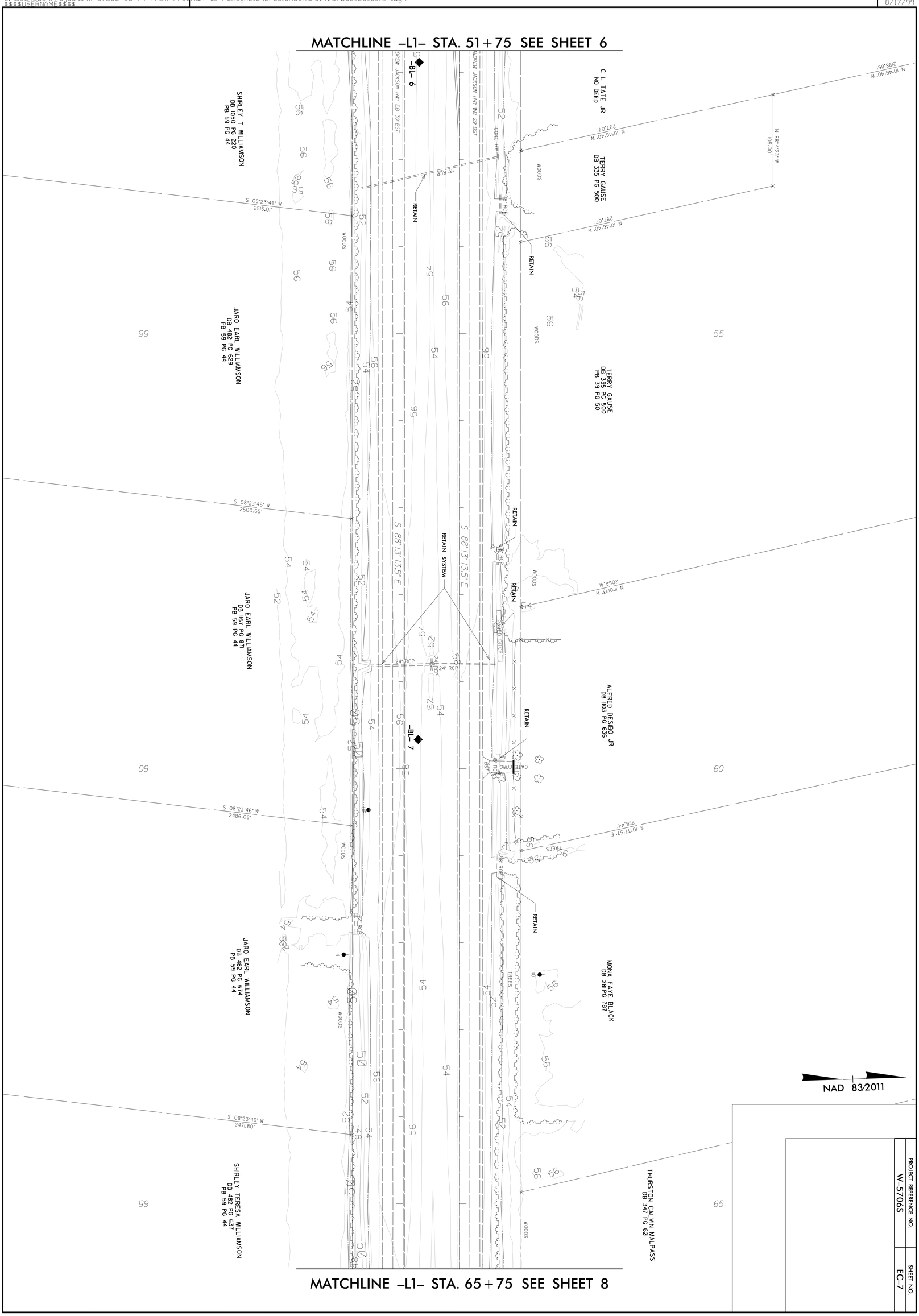
8/17/99



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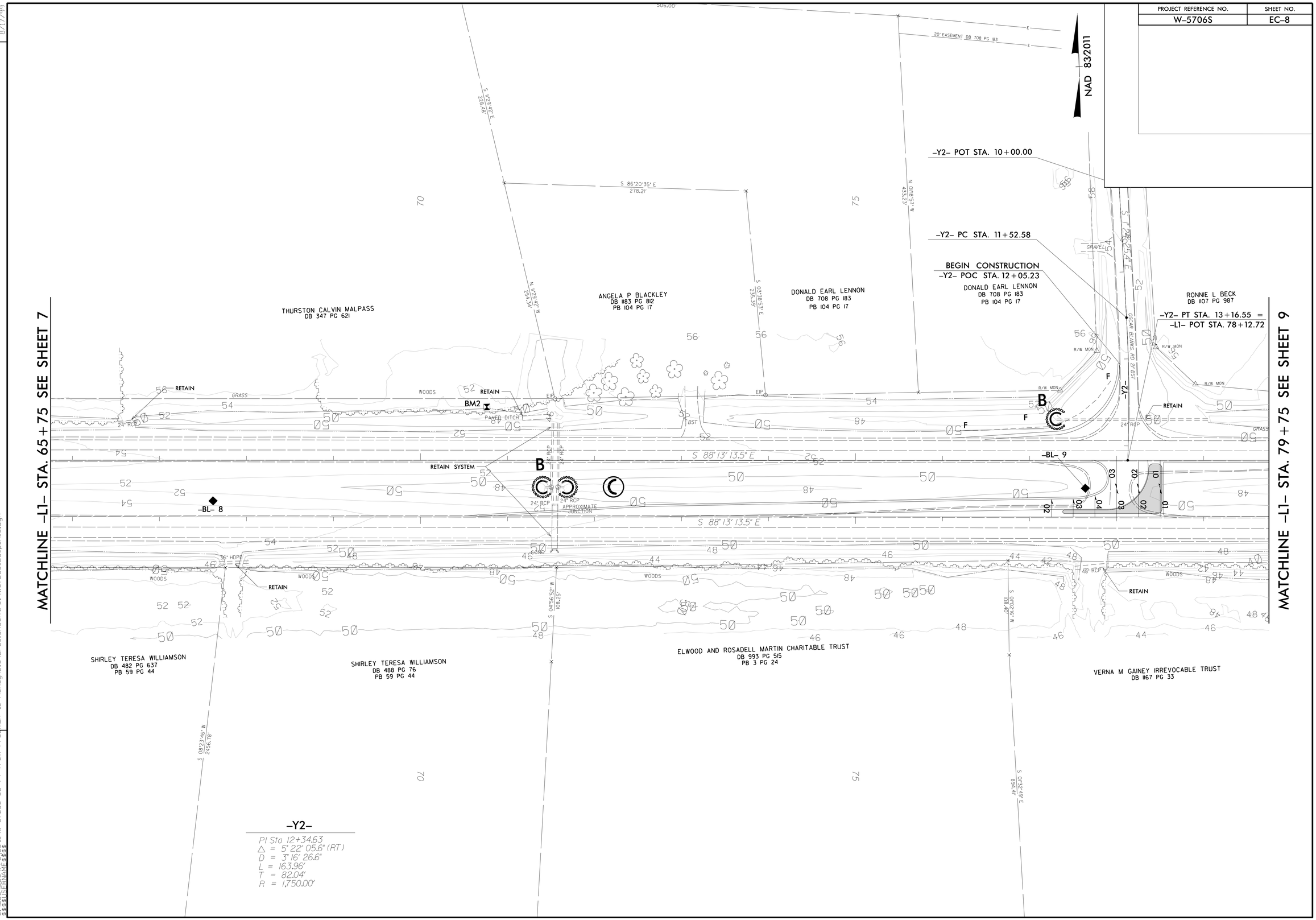


REVISIONS

8/17/99

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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | EC-9 |

NAD 83/2011

8/17/99

REVISIONS

MATCHLINE –L1– STA. 79+75 SEE SHEET 8

MATCHLINE –L1– STA. 93+75 SEE SHEET 10

–L1– PC STA. 82+42.21

–L1– PRC STA. 91+28.89

–L2– PC STA. 83+12.34

–L2– PRC STA. 87+20.33

RONNIE L BECK
DB 1107 PG 987

ARCHIE BROWN JR
DB 726 PG 576

ARCHIE BROWN JR
DB 1165 PG 588

ARCHIE BROWN JR
DB 726 PG 576

GERALDINE ANITA CORBIN
& STEPHEN CARRAWAY III
DB 224 PG 140

VERNA M GAINEY IRREVOCABLE TRUST
DB 1167 PG 33

6
JAMES WORTHY FOWLER
DB 1094 PG 130
PB 97 PG 14

7
JAMES C FOWLER
DB 770 PG 858
DB 430 PG 708
DB 1102 PG 984
PB 75 PG 66
PB 97 PG 14

S 84°15'52" E
333.64'

S 83°57'39" E
260.59'

S 03°55'35" W
396.25'

N 04°34'29" W
685.71'

N 83°16'17" W
197.59'

N 02°24'32" E
306.20'

N 03°53'50" E
282.16'

S 10°48'20" E
1014.08'

S 88°13'13.5" E

S 88°13'13.5" E

S 60°27'13" E
347.30'

S 30°56'04" E
302.94'

N 03°36'07" E
468.89'

–L1–

| | |
|---|---|
| PI Sta 86+85.66 | PI Sta 95+81.92 |
| △ = 3° 10' 30.7" (RT) | △ = 3° 08' 43.7" (LT) |
| D = 0° 21' 29.2" | D = 0° 20' 50.1" |
| L = 886.68' | L = 905.83' |
| T = 443.45' | T = 453.03' |
| R = 16,000.00' | R = 16,500.00' |

–L2–

| | |
|---|---|
| PI Sta 85+16.33 | PI Sta 92+33.50 |
| △ = 0° 14' 01.5" (RT) | △ = 0° 35' 17.0" (LT) |
| D = 0° 03' 26.3" | D = 0° 03' 26.3" |
| L = 407.99' | L = 1,026.32' |
| T = 204.00' | T = 513.17' |
| R = 100,000.00' | R = 99,995.48' |

US 74/US 76/ANDREW JACKSON HWY WB 28' BST

US 74/US 76/ANDREW JACKSON HWY EB 29' BST

15" RCP-IV

18" RCP-IV

24" RCP-IV

24" RCP

24" HDPE

18" RCP

DI

2GI

RETAIN

REMOVE

TIE PROPOSED PIPE TO EXISTING DI

5' BRICK RET WALL

3' BLOCK RET WALL

BUSINESS SIGN

–BL– 10

INV=47.27'

INV=42.89'

RESIDENCE

WOODS

GRASS

TREES

CONC

GRAVEL

BST

MTL

EIP

13-APR-2022 jhl
I:\Projects\W-5706S US 74 from Freeman to Moneyhole\ErosionControl\W5706S_EC_psh_9.dgn
$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | EC-10 |

NAD 83/2011

REVISIONS

8/17/99

MATCHLINE –L1– STA. 93+75 SEE SHEET 9

MATCHLINE –L1– STA. 107+75 SEE SHEET 11

–Y3– POT STA. 10+00.00

–Y3– PC STA. 12+27.17

BEGIN CONSTRUCTION
–Y3– POC STA. 13+33.46

–Y3– PT STA. 13+87.26

–Y3– POT STA. 14+71.20 =
–L1– POC STA. 96+59.22

–L1– PT STA. 100+34.72

–L2– PT STA. 100+48.38

–L2– PRC STA. 97+46.65

–Y4– POT STA. 10+00.00 =
–L2– POT STA. 00+00.00

END CONSTRUCTION
–Y4– POT STA. 10+85.97 =

–Y4– POT STA. 13+50.00

GERALDINE ANITA CORBIN & STEPHEN CARRAWAY III
DB 224 PG 140

GERALDINE ANITA CORBIN & STEPHEN CARRAWAY III
DB 224 PG 140

ROBERT D KELLY (HEIRS)
NO DEED

7
JAMES C FOWLER
DB 770 PG 858
DB 430 PG 708
DB 1102 PG 984
PB 75 PG 66
PB 97 PG 14

FREDERICK O'NEIL MUNN
DB 1129 PG 412
DB 1075 PG 601
PB 75 PG 66

HERMAN AGOSTINI CHANCE
DB 925 PG 599
DB 1101 PG 834
PB 75 PG 66

PAUL H BLANKS
DB 773 PG 297
PB 75 PG 66

8
EROL REDWAY
DB 964 PG 453
DB 823 PG 459
PB 75 PG 66

–L1–
PI Sta 95+81.92
△ = 3° 08' 43.7" (LT)
D = 0° 20' 50.1"
L = 905.83'
T = 453.03'
R = 16,500.00'

–L2–
PI Sta 92+33.50
△ = 0° 35' 17.0" (LT)
D = 0° 03' 26.3"
L = 1,026.32'
T = 513.17'
R = 99,995.48'

PI Sta 98+97.52
△ = 0° 23' 02.5" (RT)
D = 0° 07' 38.2"
L = 301.73'
T = 150.87'
R = 45,016.92'

–Y3–
PI Sta 13+07.32
△ = 7° 20' 15.9" (RT)
D = 4° 35' 01.2"
L = 160.08'
T = 80.15'
R = 1,250.00'

(1) S 23° 18' 34.5" W

S 15° 58' 18.6" W

S 88° 11' 26.4" E

N 02° 38' 16" E
432.81'

S 1° 46' 46.5" W

S 88° 18' 01" E
200.00'

+84.00(L2)
70.00
EX R/W

+50.00(L2)
70.00

+95.00(Y4)
EX R/W

RETAIN

RETAIN SYSTEM

BUSINESS SIGNS

BILLBOARD

DYNO CAMS

RESIDENCE

GATE

CHURCH SIGN

WELL

BRICK WALL

MONOLITHIC CONC ISLAND

SHOULDER BERM GUTTER

US 74/US 76/ANDREW JACKSON HWY WB 26' BST

US 74/US 76/ANDREW JACKSON HWY EB 30' BST

US 19/GENERAL JOHN HWY 28' BST

15" RCP-IV

TB JB w/MH

DI

<1001>

<1002>

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$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | EC-11 |

NAD 83/2011

REVISIONS 8/17/99

MATCHLINE –L1– STA. 107+75 SEE SHEET 10

MATCHLINE –L1– STA. 121+75 SEE SHEET 12

–L1– PC STA. 111+96.68

–L1– PRC STA. 120+71.15

–L2– PC STA. 115+62.06

–L2– PRC STA. 120+07.01

–BL– 13

–BL– 14

BM3

GARAGE

CONC

BILLBOARD

RETAIN

GRAVEL

BUSINESS SIGN

SHOULDER BERM GUTTER

BST

GRASS

24" RCP

SR 1845 MONEY HOLE RD 22' BST

60.00

S 88°11'26.4" E

ROBERT D KELLY (HEIRS)
NO DEED

N 08°22'20" W
135.00'

WELL

CARPORT

BUSINESS SIGNS

WOODS

CONC

CULVERT

MTL

18" C&G

6'X4' BOX CULVERT

TREES

BRUNSWICK PLACE OLD FAYETTEVILLE ROAD LLC
DB 1070 PG 974

S 88°22'20" E
1642.08'

**–L1–**

| PI Sta 116+34.03 | PI Sta 125+06.15 |
|---|---|
| △ = 3° 13' 19.5" (LT) | △ = 3° 12' 17.2" (RT) |
| D = 0° 22' 06.5" | D = 0° 22' 06.5" |
| L = 874.47' | L = 869.77' |
| T = 437.35' | T = 435.00' |
| R = 15,550.00' | R = 15,550.00' |

**–L2–**

| PI Sta 117+84.54 | PI Sta 122+44.58 |
|---|---|
| △ = 0° 15' 17.8" (RT) | △ = 0° 16' 20.0" (LT) |
| D = 0° 03' 26.3" | D = 0° 03' 26.3" |
| L = 444.95' | L = 475.14' |
| T = 222.47' | T = 237.57' |
| R = 100,000.00' | R = 100,000.14' |

13-APR-2022 jhill
C:\PROJECTS\Projects\W-5706S US 74 from Freeman to Moneyhole\ErosionControl\W5706S_EC_psh_11.dgn
$$$$USERNAME$$$$

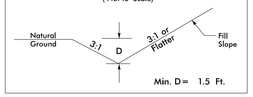
8/17/99

REVISIONS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | EC-12 |

NAD 83/2011

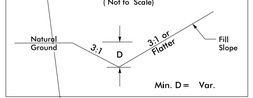
## DETAIL A
SPECIAL LATERAL 'V' DITCH
( Not to Scale)




Min. D = 1.5 Ft.

FROM L STA. 126+50 TO STA. 128+50 LT

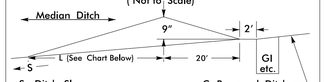
## DETAIL B
SPECIAL LATERAL 'V' DITCH
( Not to Scale)




Min. D = Var.

FROM L STA. 128+50 TO STA. 130+00 RT

## DETAIL B
FALSE SUMP
( Not to Scale)




S = Ditch Slope ℄ Proposed Ditch

| Ditch Grade | L | Ditch Grade | L |
|---|---|---|---|
| 0.0% To 2.0% | 20' | Over 4.0% To 6.0% | 40' |
| Over 2.0% To 4.0% | 30' | Over 6.0% | 50' |

STA. 123+00

MATCHLINE –L1– STA. 121+75 SEE SHEET 11

MATCHLINE –L1– STA. 135+75 SEE SHEET 13

–L1– PT STA. 129+40.92

S 87°56'02" E
167.35'

N 03°51'51" E
213.71'

S 04°11'31" W
209.40'

N 15°43'30" W
151.53'

N 00°59'14" E
648.65'

S 88°12'28.7" E

9
HAROLD WILSON
DB 360 PG 78
PB 39 PG 73

10
NEVA PERKINS BROWN
DB 479 PG 832

GERTRUDE M DANIELS
DB 492 PG 466
PB 60 PG 1

SPECIAL LATERAL V DITCH
SEE DETAIL A

REMOVE

RETAIN

18" RCP

12" RCP

GRASS

TREES

VEGETATION

WOODS

GRAVEL

EXISTING R/W

2GI-D

1201

–BL– 15

–BL– 16

FALSE SUMP SEE DETAIL B

–L2– PT STA. 124+82.15

BRUNSWICK PLACE OLD FAYETTEVILLE ROAD LLC
DB 1070 PG 974

SPECIAL LATERAL V DITCH
SEE DETAIL B

11
HENRY L BLANKS
DB 202 PG 100

STORAGE BUILDING

N 08°37'57" W
527.00'

125

130

135

### –L1–
PI Sta 125+06.15
△ = 3° 12' 17.2" (RT)
D = 0° 22' 06.5"
L = 869.77'
T = 435.00'
R = 15,550.00'

### –L2–
PI Sta 122+44.58
△ = 0° 16' 20.0" (LT)
D = 0° 03' 26.3"
L = 475.14'
T = 237.57'
R = 100,000.14'

13-APR-2022 jhl
c:\projects\w-5706s\sheets\w-5706s us 74 from Freeman to Moneghole\ErosionControl\W5706S_EC_psh_12.dgn
$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | EC-13 |

NAD 83/2011

END TIP PROJECT W-5706S

–L1– POT STA. 136+35.00

–L1– POT STA. 143+95.64

MATCHLINE –L1– STA. 135+75 SEE SHEET 12

S 88°12'28.7" E

S 88°12'28.7" E

US 74/US 76/ANDREW JACKSON HWY WB 29' BST

US 74/US 76/ANDREW JACKSON HWY EB 29' BST TO WILMINGTON

–BL– 16

APPROXIMATE JUNCTION

CONC

WOODS

WOODS

B

HENRY L BLANKS
DB 202 PG 100

S 05°14'19" W
813.31'

–L2– POT STA. 143+93.82

140

140

REVISIONS

8/17/99

13-APR-2022 11:11
C:\projects\W-5706S US 74 from Freeman to Moneyhole\ErosionControl\W5706S_EC_psh_13.dgn
$$$$USERNAME$$$$

| TIP NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-1 |

TIP PROJECT: W-5706S

# STATE OF NORTH CAROLINA
# DEPARTMENT OF TRANSPORTATION

# SIGNING PLAN
# COLUMBUS COUNTY

**LOCATION: US 74 /76 AT SR 1735 (CHAUNCEY TOWN ROAD) AND SR 1740 (OLD LAKE ROAD)**

## GENERAL NOTES

. SIGNS FURNISHED BY STATE
. ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
. WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
. WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
. ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS OR INSTRUCTED BY THE ENGINEER.
. THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

## SUMMARY OF QUANTITIES

| ITEM NO. | | ITEM DESCRIPTION | QUANTITY | UNIT |
|---|---|---|---|---|
| DESC. NO. | SECT. NO. | | | |
| 4072000000 | 903 | SUPPORTS, 3 LB STEEL U-CHANNEL | 700 | L.F. |
| 4102000000 | 904 | SIGN ERECTION, TYPE E | 23 | EA. |
| 4108000000 | 904 | SIGN ERECTION, TYPE F | 10 | EA. |
| 4116100000 | 904 | SIGN ERECTION, RELOCATE TYPE D | 5 | EA. |
| 4116100000 | 904 | SIGN ERECTION, RELOCATE TYPE E | 5 | EA. |
| 4155000000 | 907 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 48 | EA. |
| 4192000000 | 907 | DISPOSAL OF SUPPORT, U-CHANNEL | 5 | EA. |

## ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

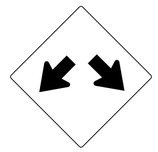
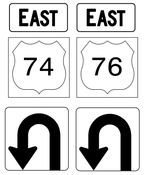
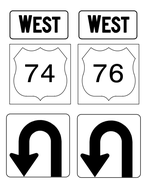
| STD. NO. | TITLE |
|---|---|
| 901.50 | ARROWS AND SHIELDS |
| 910.70 | SIGN STRINGERS AND SUPPORT SPACING |
| 903.10 | GROUND MOUNTED SIGN SUPPORTS |
| 904.10 | ORIENTATION OF GROUND MOUNTED SIGNS |
| 904.20 | SECONDARY SIGN MOUNTING |
| 904.30 | SUPPLEMENTAL SIGN MOUNTING |
| 904.50 | MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS |
| 910.30 | SIGNING FOR SUPERSTREETS |

## INDEX


| SHEET NO. | DESCRIPTION |
|---|---|
| SIGN-1 | TITLE SHEET |
| SIGN-2 | TYPE "E" AND "F" SIGNS |
| SIGN-4-12 | EXISTING AND PROPOSED SIGNS |


13-APR-2022 11:11
S:\DDC\DDC\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_Sgn_TSH.dgn
$$$$USERNAME$$$$

| TIP NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-2 |

| | | | |
|---|---|---|---|
| (401) QUANTITY REQ'D _6_<br>  <br><br>54 x 18<br>R6-1(L)<br>TWO "U" POSTS PER SIGN | (402) QUANTITY REQ'D _4_<br>  <br><br>54 X 18<br>R6-1(R)<br>TWO "U" POSTS PER SIGN | (403) QUANTITY REQ'D _9_<br>  <br>36 X 36<br>W12-1<br>ONE "U" POST PER SIGN | (404) QUANTITY REQ'D _4_<br>  <br><br>36 x 36<br>R1-1<br>MOUNTED BELOW SIGN 402<br>IN 4 INSTALLATIONS |
| TYPE "E" SIGNS | | | |
| | | | |
| (504) (505)<br>  <br><br>2 - 24" X 12"<br>2 - 24" X 24"<br>TWO "U" POSTS PER SIGN | (508) (509) (510)<br>  <br><br>2 - 24" X 12"<br>2 - 24" X 24"<br>2 - 21" X 15"<br>TWO "U" POSTS PER SIGN | (501) (502) (503)<br>  <br><br>2 - 24" X 12"<br>2 - 24" X 24"<br>2 - 21" X 15"<br>TWO "U" POSTS PER SIGN | (506) (507)<br>  <br><br>2 - 24" X 12"<br>2 - 24" X 24"<br>TWO "U" POSTS PER SIGN |
| TYPE "F" SIGNS | | | |
| | | | |
| | | | |

**TYPE "E" AND "F" SIGNS**

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-4 |

NAD 83/2011

REVISIONS

8/17/99

10 15 20

–L1– POT STA. 10+00.00

–L2– POT STA. 10+00.00

BEGIN TIP PROJECT W–5706S

–L2– POT STA. 13+93.00

–Y1– POT STA. 10+00.00 =
–L2– POT STA. 21+88.83

–Y1– POT STA. 13+17.51

END CONSTRUCTION
–Y1– POT STA. 11+50.53

MATCHLINE –L1– STA. 23+75 SEE SHEET 5

ONE WAY

ONE WAY

ONE WAY

401

YIELD

DO NOT ENTER

WRONG WAY

DO NOT ENTER

403

403

STOP

ONE WAY

402

STOP

404

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT.
COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

13-APR-2022 jhill
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_4.dgn
$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-5 |

NAD 83/2011

REVISIONS

8/17/99

MATCHLINE -L1- STA. 23+75 SEE SHEET 4

MATCHLINE -L1- STA. 37+75 SEE SHEET 6

25 30 35

WRONG WAY

EXISTING R/W

EXISTING R/W

WEST 74

WEST 76

501

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT.
COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

13-APR-2022 jhill
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_5.dgn
$$$$USERNAME$$$$

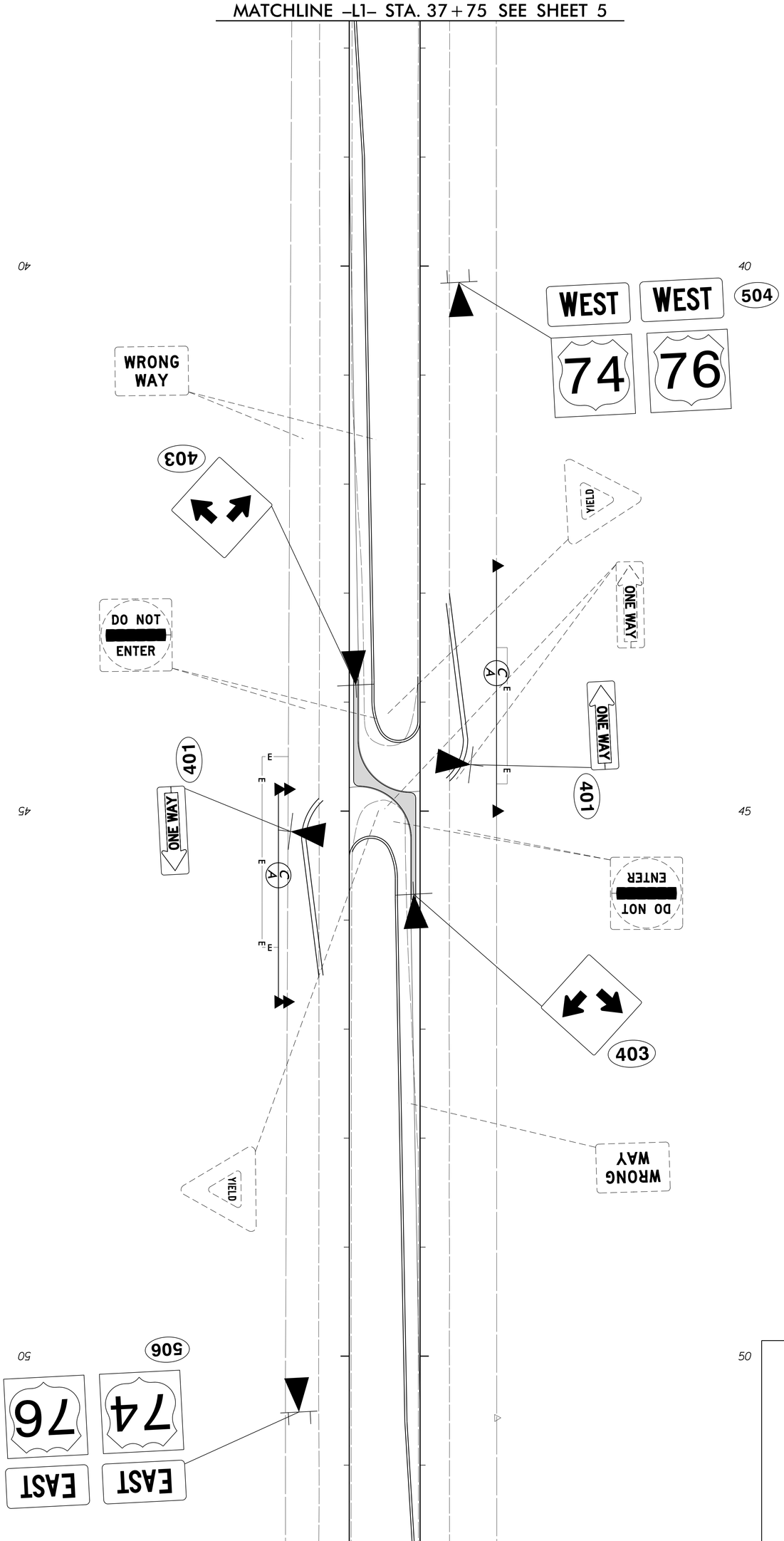
13-APR-2022 11:11
S:\DOC\DOC Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_6.dgn
$$$$USERNAME$$$$

REVISIONS

8/17/99

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT.
COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

MATCHLINE –L1– STA. 37+75 SEE SHEET 5




MATCHLINE –L1– STA. 51+75 SEE SHEET 7

NAD 83/2011

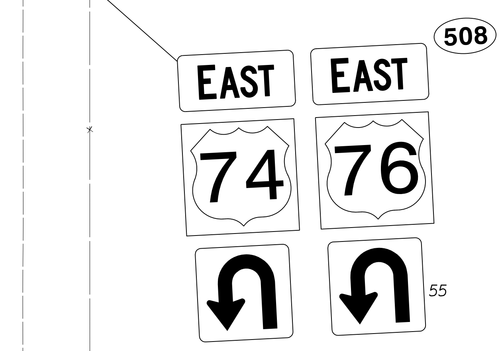
PROJECT REFERENCE NO. W-5706S

SHEET NO. SIGN-6

REVISIONS

8/17/99

MATCHLINE –L1– STA. 51+75 SEE SHEET 6




55

55

60

60

65

65

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN

NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT. COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

NAD 83/2011

MATCHLINE –L1– STA. 65+75 SEE SHEET 8

PROJECT REFERENCE NO.
W-5706S

SHEET NO.
SIGN-7

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-8 |

REVISIONS

8/17/99

NAD 83/2011

MATCHLINE –L1– STA. 65+75 SEE SHEET 7

MATCHLINE –L1– STA. 79+75 SEE SHEET 9

–Y2– POT STA. 10+00.00

–Y2– PC STA. 11+52.58

BEGIN CONSTRUCTION
–Y2– POC STA. 12+05.23

–Y2– PT STA. 13+16.55 =
–L1– POT STA. 78+12.72

–Y2–

EIP

EIP

R/W MON

R/W MON

R/W MON

R/W MON

70

75

509

EAST 76

EAST 74

404

STOP

402

ONE WAY

ONE WAY

ONE WAY

ONE WAY

YIELD

STOP

WRONG WAY

DO NOT ENTER

XXX MILE

403

YIELD

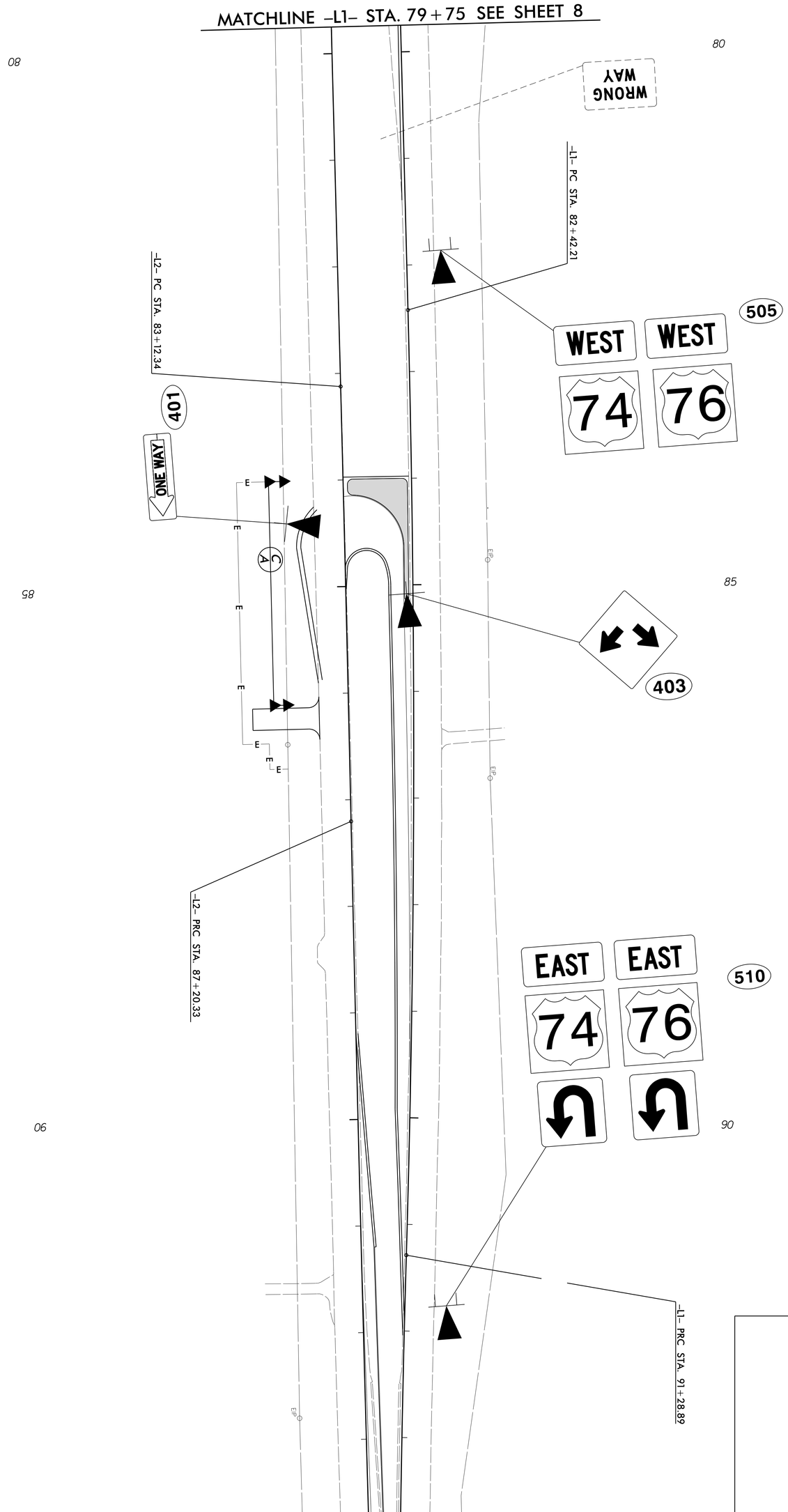
DO NOT ENTER

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT.
COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

13-APR-2022 jhill
ACTIVE
$$$$USERNAME$$$$
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_8.dgn

| REVISIONS | |
|---|---|
| | 8/17/99 |

MATCHLINE –L1– STA. 79+75 SEE SHEET 8




MATCHLINE –L1– STA. 93+75 SEE SHEET 10

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN

NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT. COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

NAD 83/2011

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-9 |

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-10 |

NAD 83/2011

8/17/99

REVISIONS

–Y3– POT STA. 10+00.00

–Y3– PC STA. 12+27.17

404

STOP

BEGIN CONSTRUCTION
–Y3– POC STA. 13+38.46

402

ONE WAY

WEST 76

WEST 74

–Y3– PT STA. 13+87.26

–Y3–

STOP

–L1– PT STA. 100+34.72

–Y3– POT STA. 14+71.20 =
–L1– POC STA. 96+59.22

ONE WAY

CONC. R/W MON

CONC. R/W MON

MATCHLINE –L1– STA. 93+75 SEE SHEET 9

MATCHLINE –L1– STA. 107+75 SEE SHEET 11

95 100 105

ONE WAY

–L2– PT STA. 100+48.38

–L2– PRC STA. 97+46.65

403

–Y4–

–Y4– POT STA. 10+00.00 =
–L2– POT STA. 00+00.00

ONE WAY

END CONSTRUCTION

402

–Y4– POT STA. 10+86.74

STOP

404

WEST 74

WEST 76

502

–Y4– POT STA. 13+50.00

95 100 105

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT.
COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

13-APR-2022 jill
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_10.dgn
$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-11 |

NAD 83/2011

8/17/99

REVISIONS

110

115

120

MATCHLINE –L1– STA. 107+75 SEE SHEET 10

–L1– PC STA. 111+96.68

–L1– PRC STA. 120+71.15

MATCHLINE –L1– STA. 121+75 SEE SHEET 12

60.00

SR 1845 MONEY HOLE RD 22' BST

BST

–L2– PC STA. 115+62.06

–L2– PRC STA. 120+07.01

WEST 74

WEST 76

503

110

115

120

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT. COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

13-APR-2022 jill
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_11.dgn
$$$$USERNAME$$$$

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | SIGN-12 |

NAD 83/2011

8/17/99

REVISIONS

MATCHLINE –L1– STA. 121+75 SEE SHEET 11

MATCHLINE –L1– STA. 135+75 SEE SHEET 13

–L1– PT STA. 129+40.92

–L2– PT STA. 124+82.15

ONE WAY

401

403

ONE WAY

ONE WAY

YIELD

DO NOT ENTER

ONE WAY

ONE WAY

WRONG WAY

EXISTING R/W

BST

E

C
A

E

E

E

E

01

00

01

02

03

04

03

02

03

04

ONE WAY

YIELD

74 EAST

76 EAST

507

WRONG WAY

401

ONE WAY

DO NOT ENTER

403

125

130

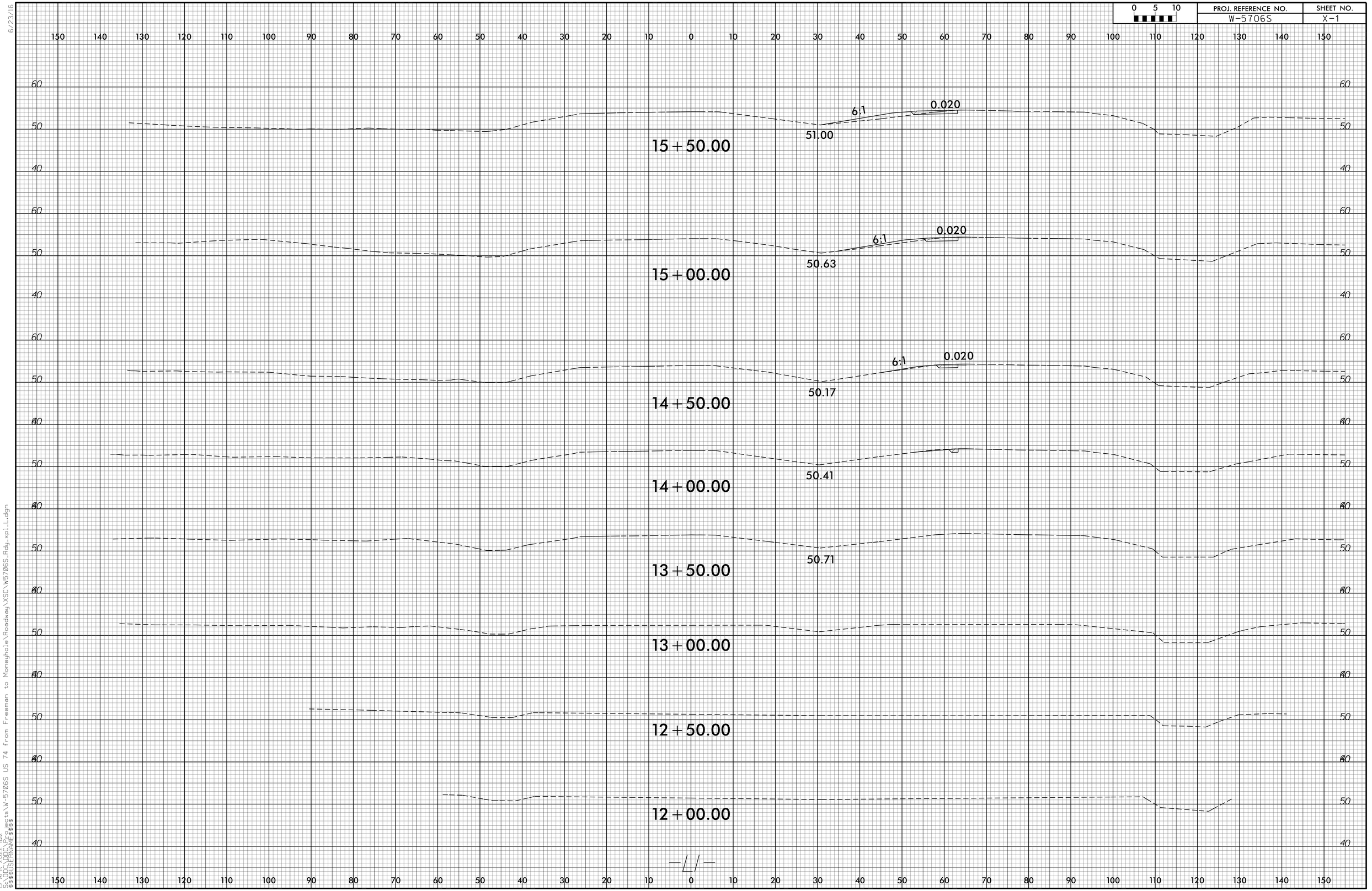
135

NOTE 1: DISPOSE OF EXISTING SIGNS SHOWN
NOTE 2: RELOCATE EXISTING SIGNS NOT SHOWN THAT ARE IN CONFLICT. COORDINATE WITH DIVISION 6 TRAFFIC SERVICES.

13-APR-2022 11:11
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Signing\W5706S_sgn_psh_12.dgn
$$$$USERNAME$$$$

6/23/16

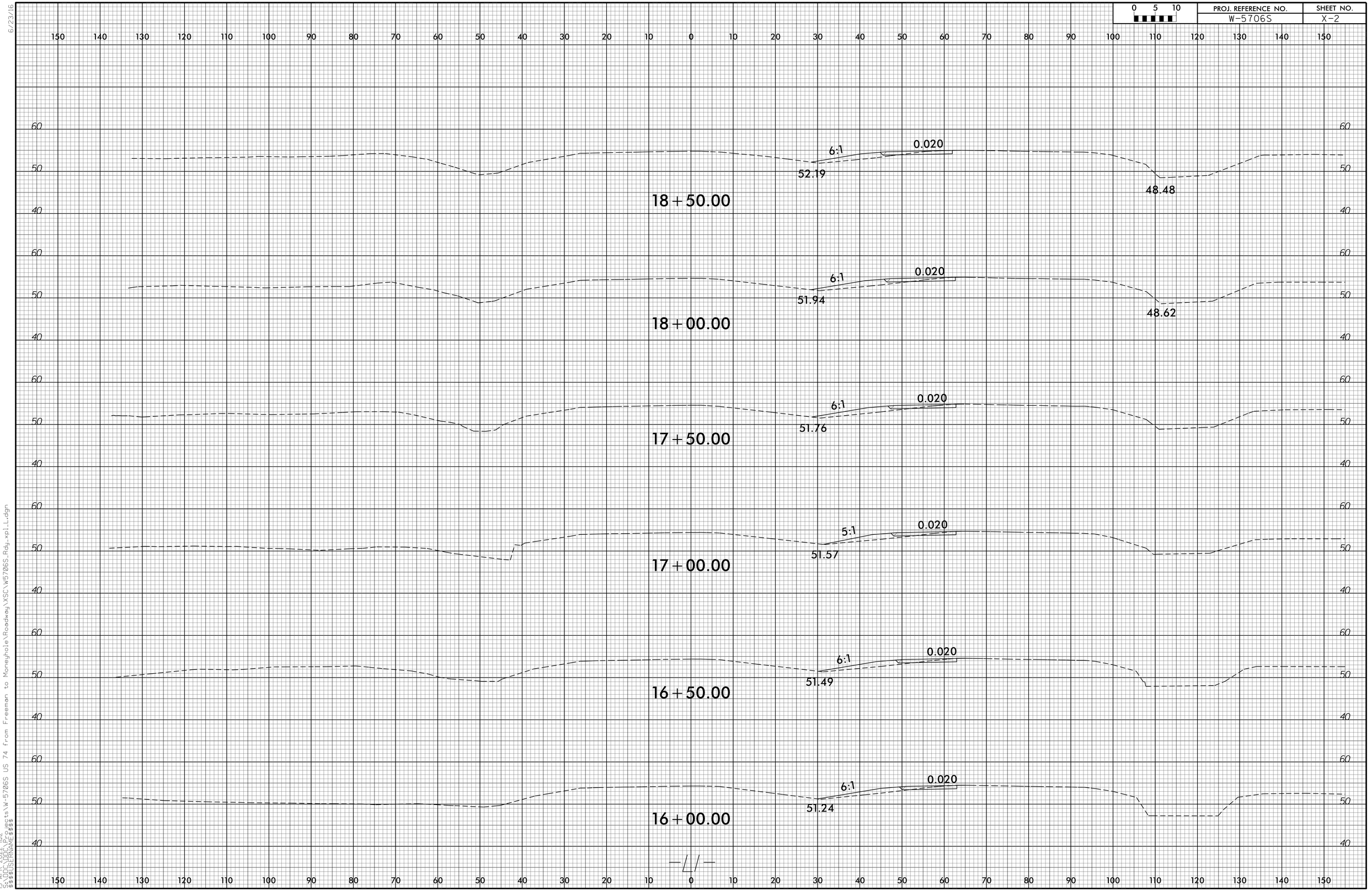
| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-1 |




13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xplL.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-2 |




13-APR-2022 11:12
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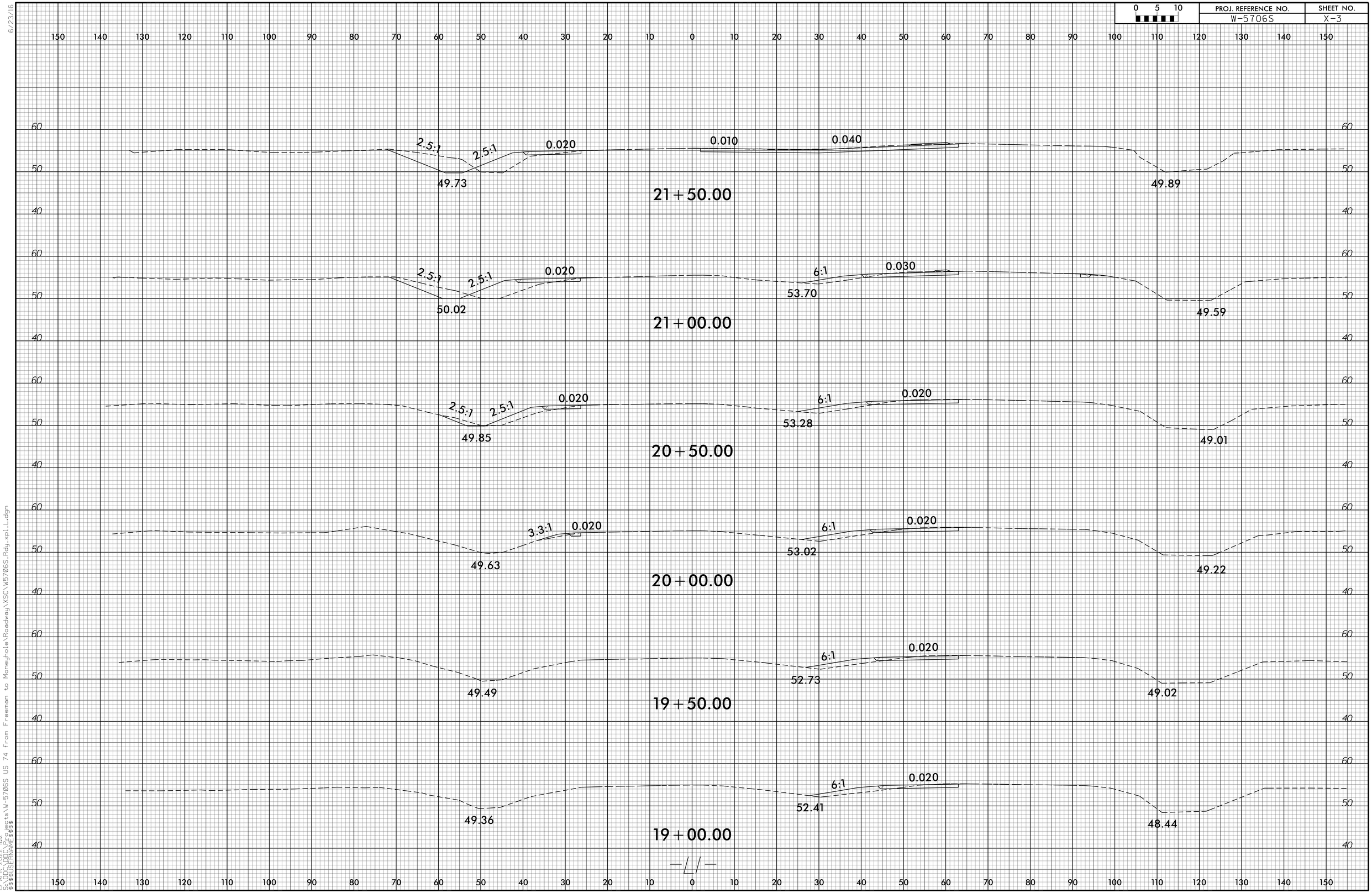
$$$$USERNAME$$$$




6/23/16

13-APR-2022 11:12
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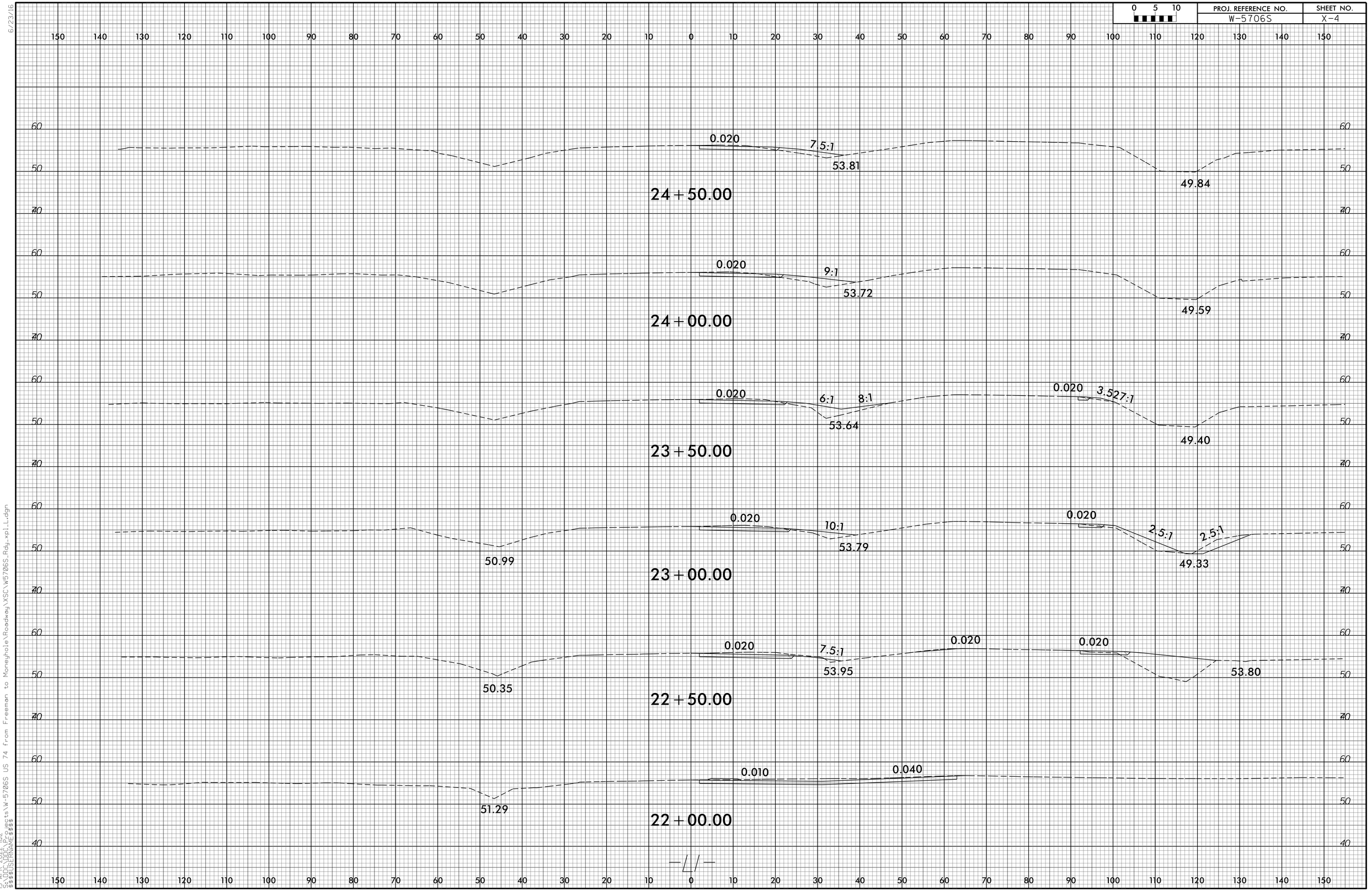
$$$$USERNAME$$$$

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13-APR-2022 11:12
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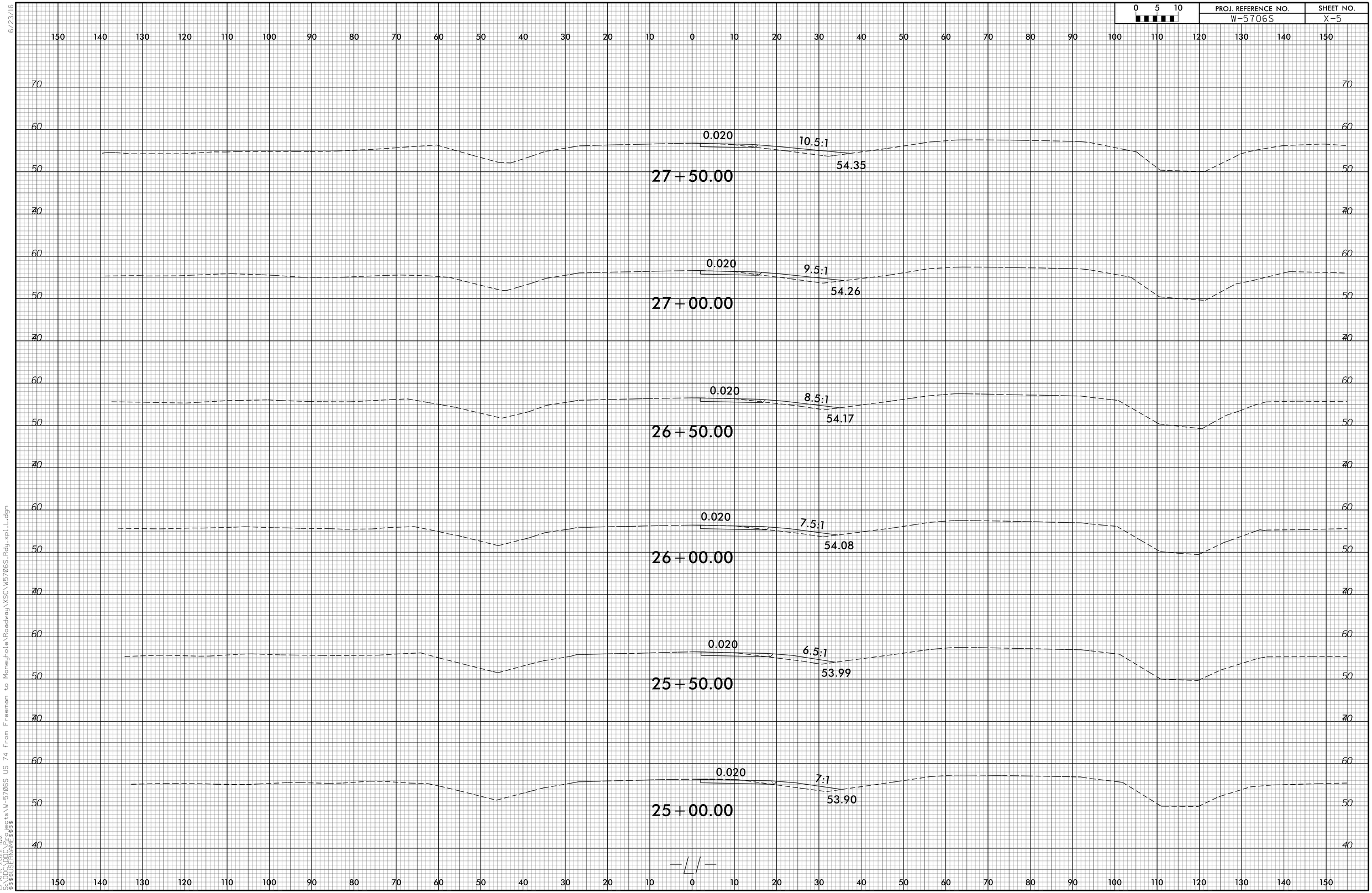
6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-5 |




13-APR-2022 11:12
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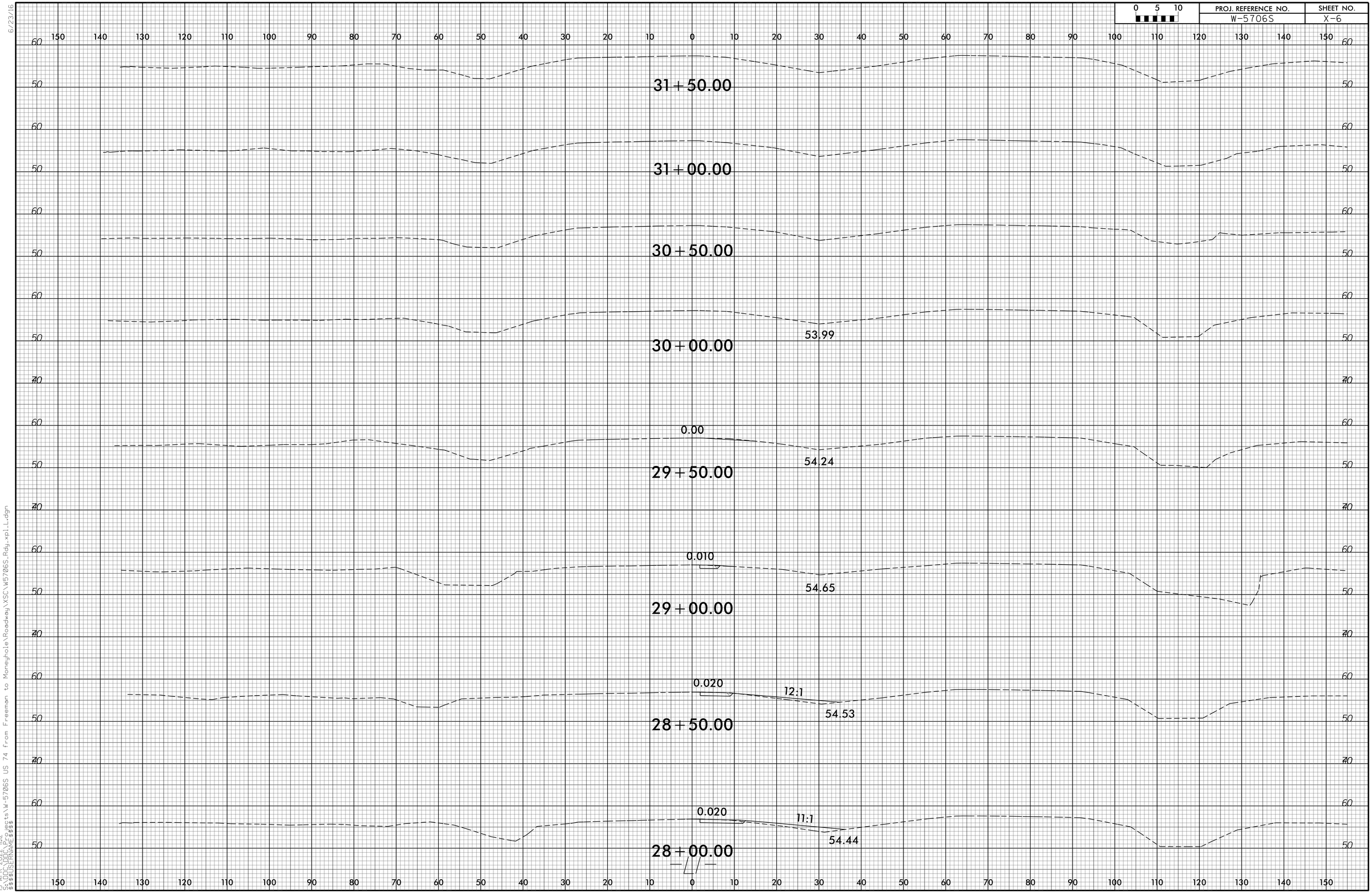


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13-APR-2022 11:12
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$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-7 |

38+50.00

53.64

6:1

0.020

38+00.00

53.42

6:1

0.020

37+50.00

53.32

6:1

37+00.00

53.21

36+50.00

53.20

36+00.00

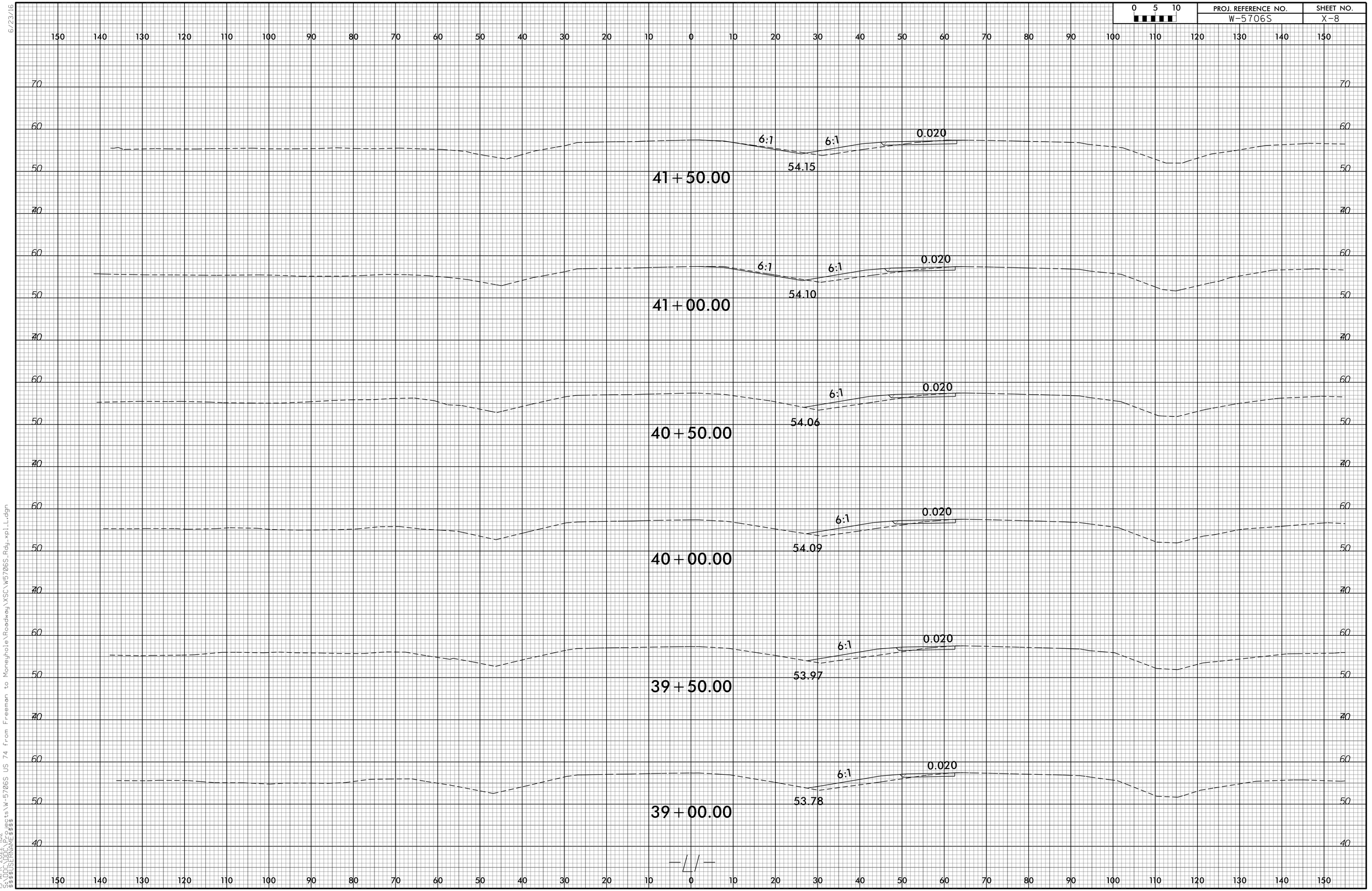
35+50.00

35+00.00

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xplL.dgn
$$$$USERNAME$$$$

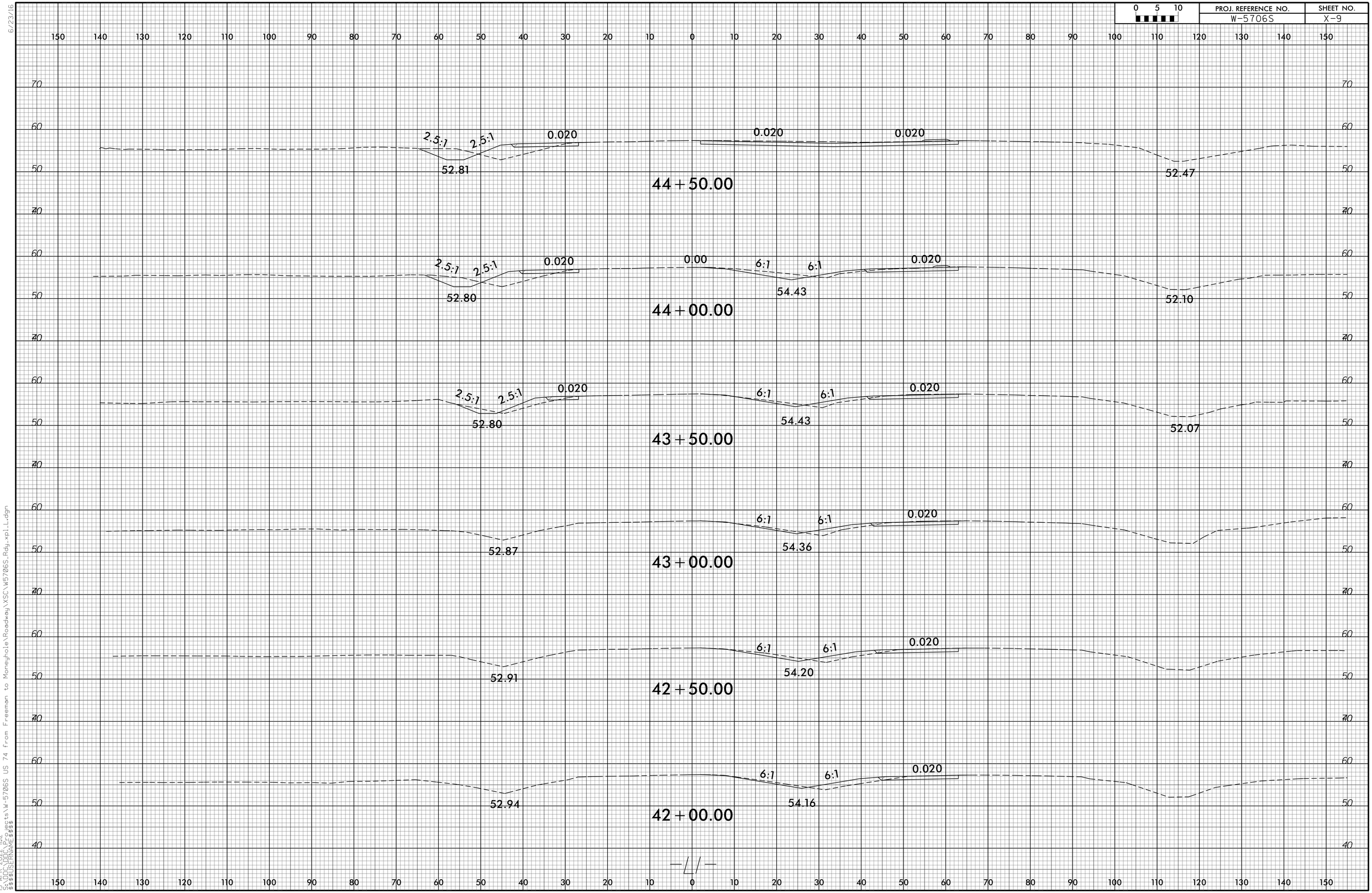
6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-8 |




13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xpLL.dgn
$$$$USERNAME$$$$

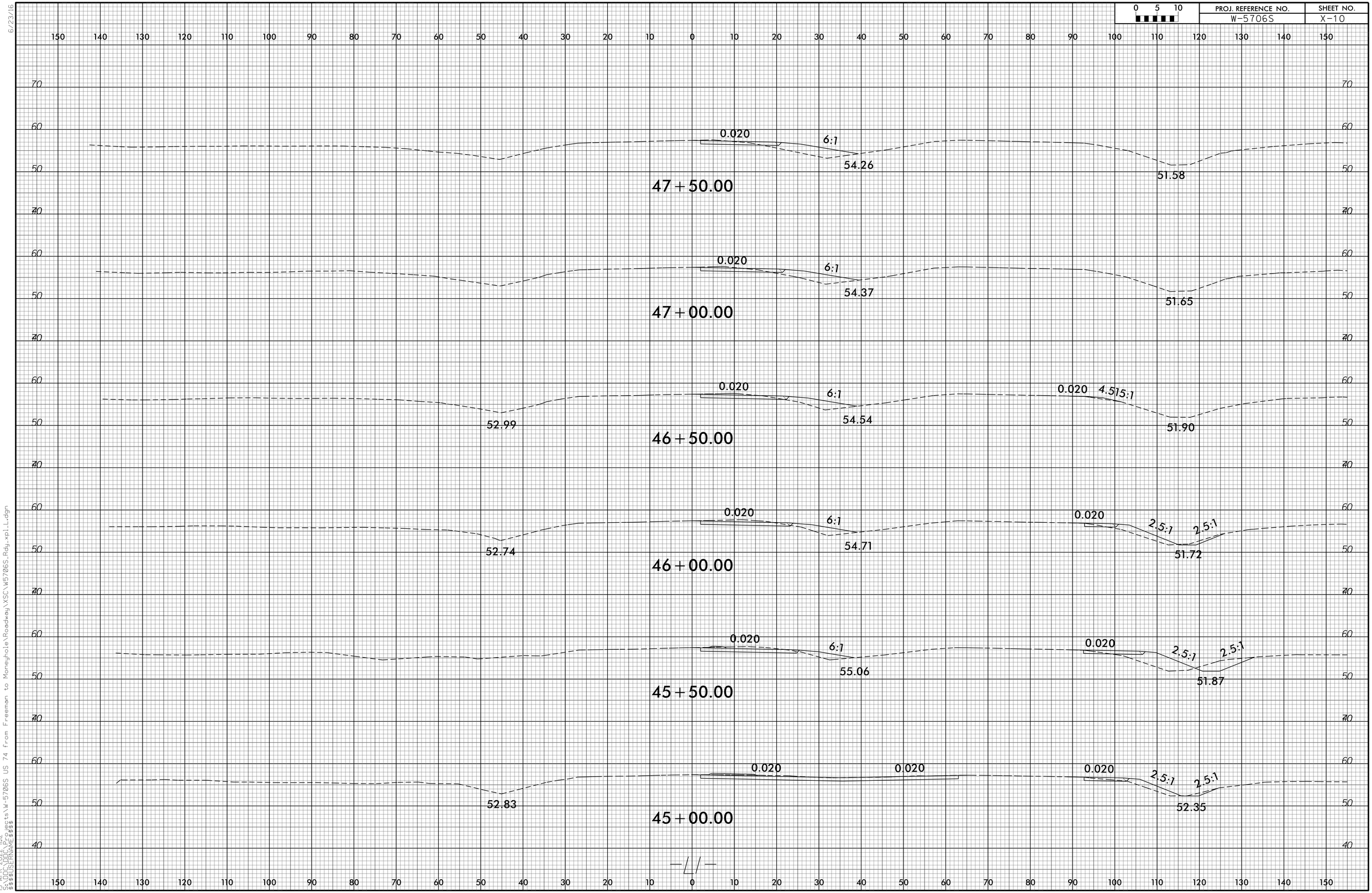
| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-9 |




6/23/16
13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xplL.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-10 |




13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xplL.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-11 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

70 60 50 40

0.020

50+50.00

0.020 3:1 53.01

50+00.00

0.020 5:1 53.73

49+50.00

0.020 6:1 54.00

49+00.00

0.020 6:1 54.08

48+50.00

0.020 6:1 54.23 51.61

48+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xplL.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-12 |

54+50.00

53.75

54+00.00

53.82

53+50.00

53.62

53+00.00

0.00

53.52

52+50.00

0.020

53.52

52+00.00

0.020

6:1

53.53

51+50.00

0.020

4.5:1

53.38

51+00.00

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpl_L.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-13 |

70+50.00

48.63

70+00.00

49.17

69+50.00

49.62

69+00.00

68+50.00

68+00.00

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneghole\Roadway\XSC\W5706S_Rdy_xpl_L.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-14 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

73 + 50.00

5:1

0.020

47.92

73 + 00.00

4:1

0.020

47.78

72 + 50.00

4:1

0.020

47.48

72 + 00.00

4:1

0.020

46.97

71 + 50.00

0.020

49.96

71 + 00.00

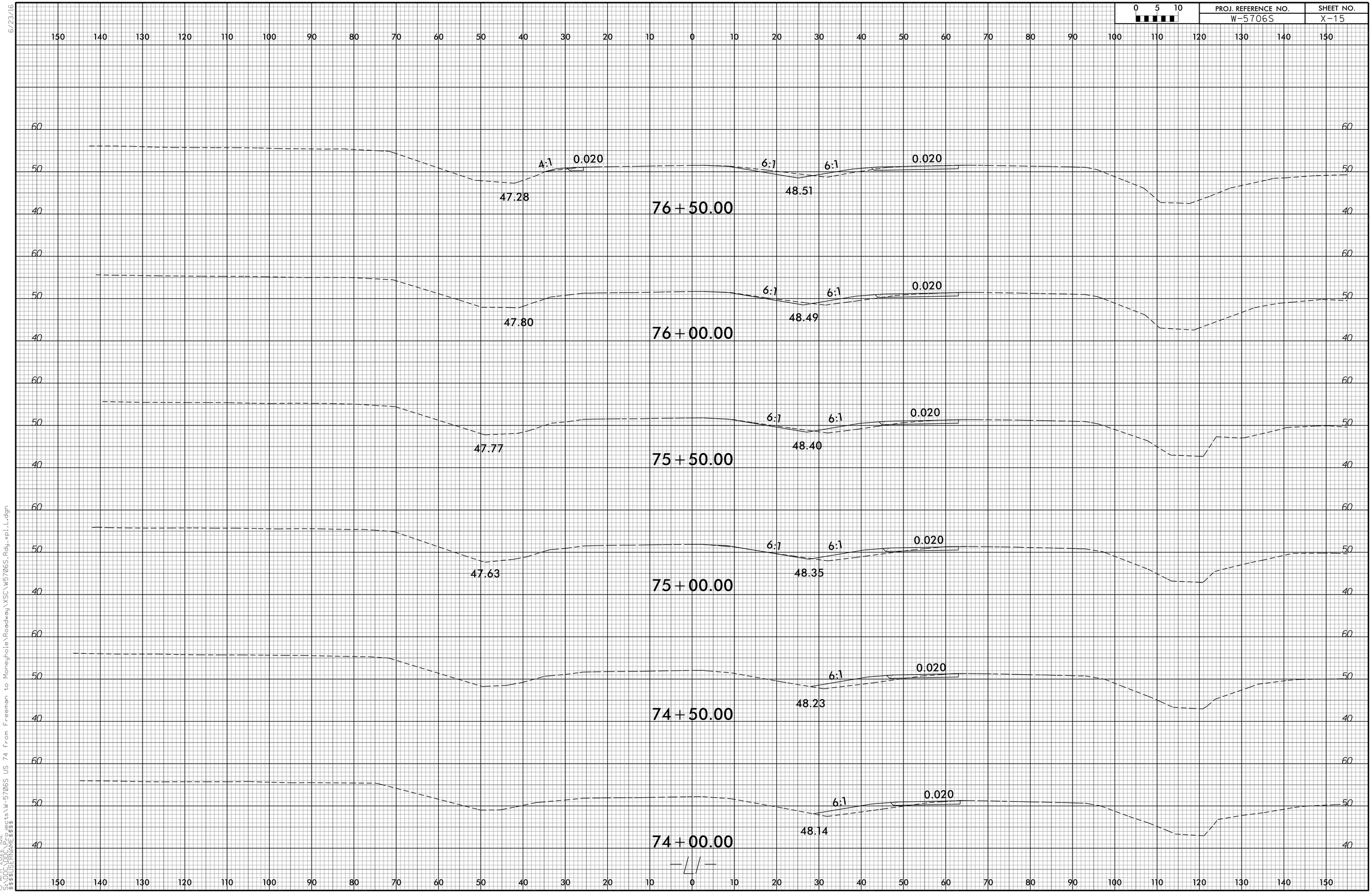
0.020

47.68

13-APR-2022 18:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpll.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-15 |




13-APR-2022 11:12
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$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-16 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

0.020 12.5:1 47.35

79+50.00

0.020 12.5:1 47.98

79+00.00

0.010 0.010

78+50.00

0.030 0.030

78+00.00

0.020 0.020 10:1 10:1 0.030 47.91 49.10

77+50.00

2.5:1 0.020 6:1 6:1 0.020 47.43 48.52

77+00.00

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpl_L.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-17 |

83+00.00

44.92

36.69

82+50.00

82+00.00

45.80

81+50.00

46.03

81+00.00

0.010

46.28

80+50.00

0.00 16.667:1

46.56

80+00.00

0.010 14.286:1

46.90

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneghole\Roadway\XSC\W5706S_Rdy_xpl_L.dgn
$$$$USERNAME$$$$

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-18 |

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40 30

**86+00.00**

0.020 3.5:1 47.92 43.55

**85+50.00**

0.000 3:1 47.77 0.020 2.5:1 2.5:1 43.67

**85+00.00**

0.020 3.5:1 5:1 47.62 0.020 0.020 2.5:1 2.5:1 43.28

**84+50.00**

0.023 2.5:1 2.5:1 42.74

**84+00.00**

0.022 42.14

**83+50.00**

45.76 42.24

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xplL.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-19 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

0.020
3:1
3.5:1
47.50
89+00.00

0.020
3:1
48.48
88+50.00

0.020
4:1
48.52
88+00.00

0.020
4:1
48.37
87+50.00

0.020
4:1
48.23
43.83
87+00.00

0.020
4:1
48.07
43.76
86+50.00

13-APR-2022 18:12
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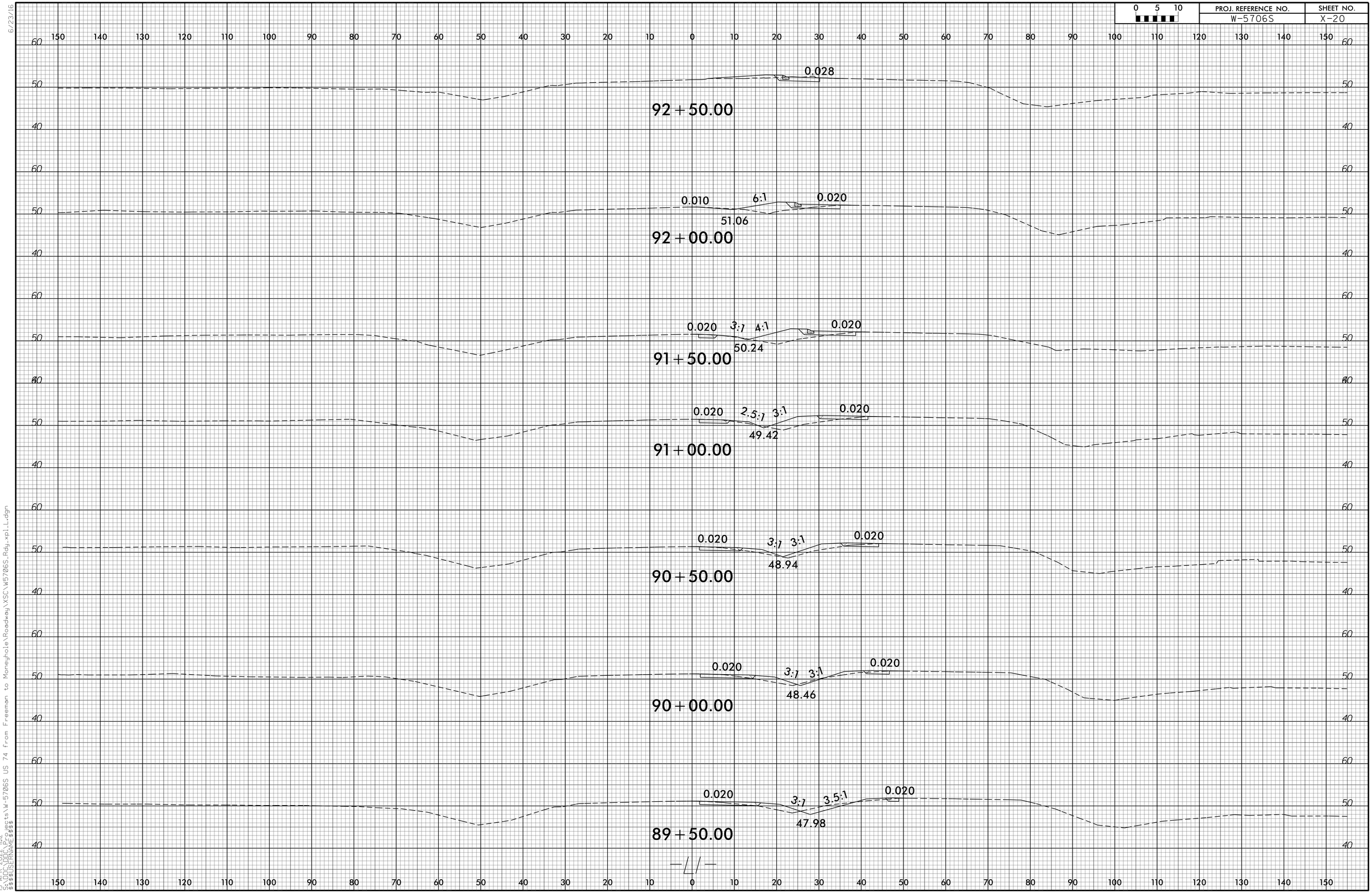
$$$$USERNAME$$$$

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13-APR-2022 11:12
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$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-21 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

4:1 0.020 0.032 0.004

48.34

95+50.00

4:1 0.020 0.022 0.014

47.92

95+00.00

0.010 0.024

47.52

94+50.00

0.030

47.30

94+00.00

0.033

93+50.00

0.028

93+00.00

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpLL.dgn
$$$$USERNAME$$$$

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-22 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

3.5:1

45.95

99+00.00

98+50.00

98+00.00

0.027 0.032

97+50.00

0.001

97+00.00

0.040 0.019

96+50.00

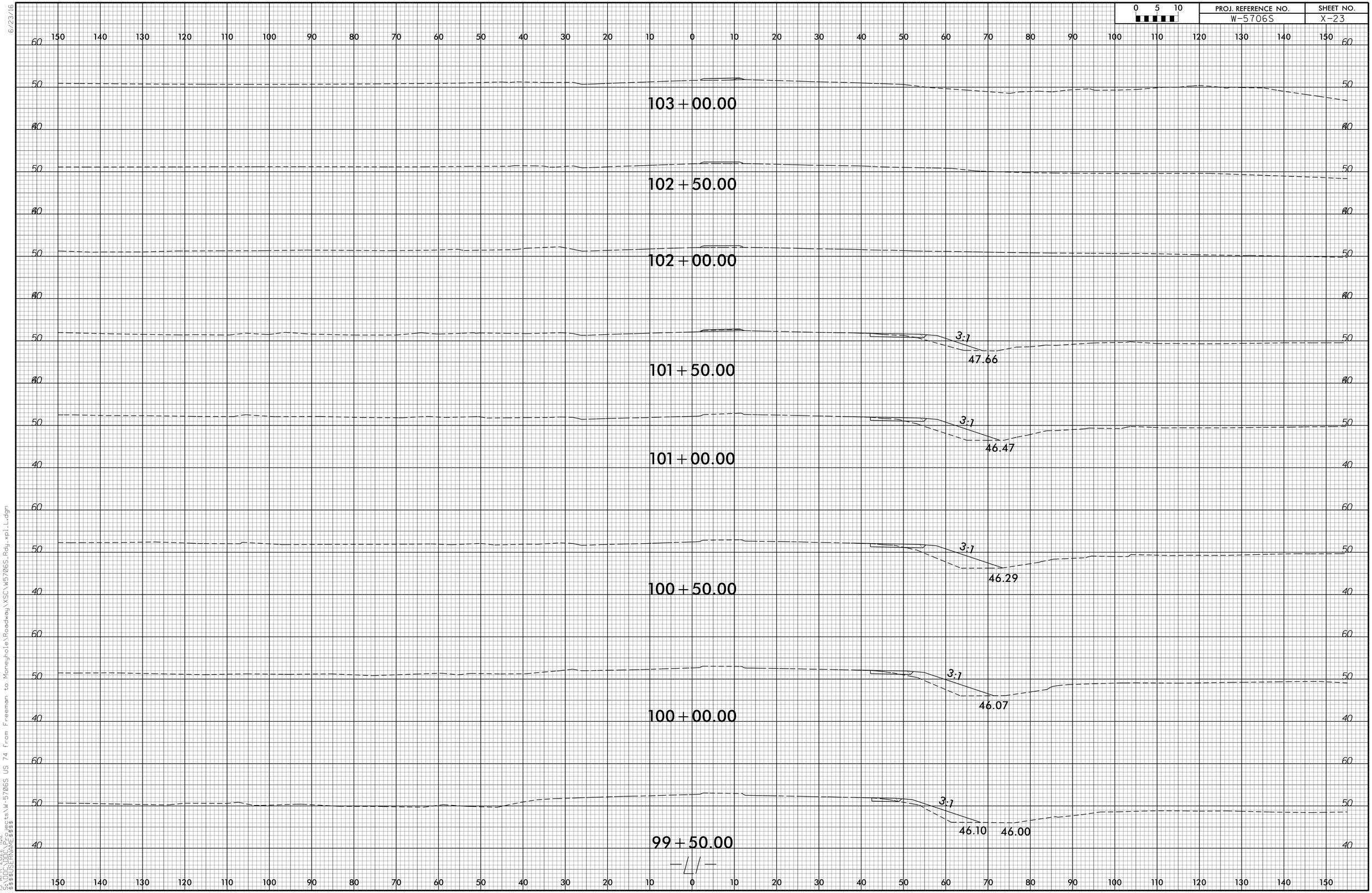
0.029 0.011

4:1 0.020

48.81

96+00.00

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpl_L.dgn
$$$$USERNAME$$$$

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13-APR-2022 11:12
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$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-24 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

107+50.00

107+00.00

106+50.00

106+00.00

105+50.00

105+00.00

104+50.00

104+00.00

103+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

13-APR-2022 11:12
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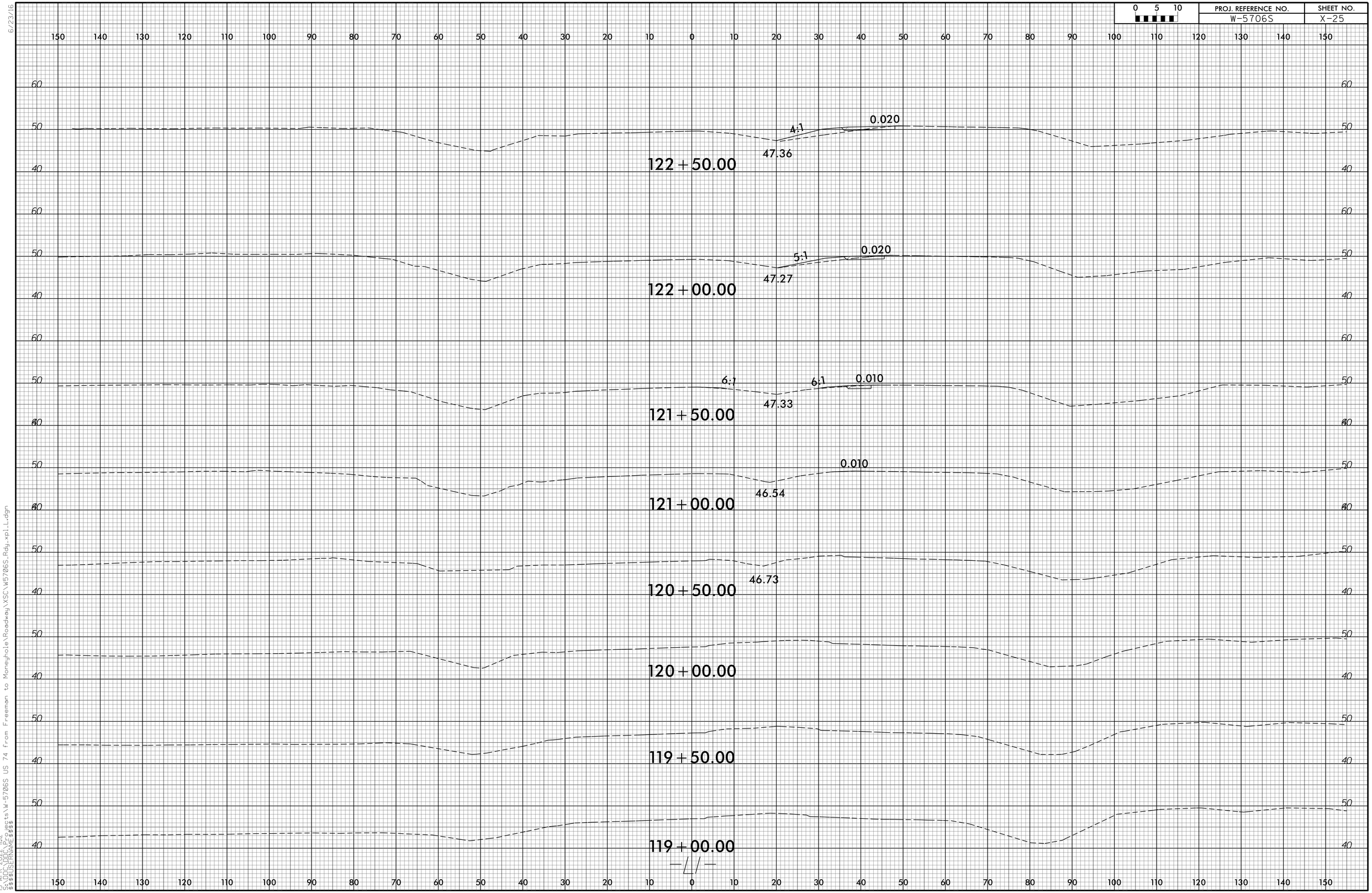
$$$$USERNAME$$$$

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13-APR-2022 11:12
S:\DDC\DDC\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpl_L.dgn
$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-26 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

**125+50.00**

4:1 0.020

49.27

60 50 40

**125+00.00**

4:1 0.020

48.87

60 50 40

**124+50.00**

4:1 0.020

48.48

60 50 40

**124+00.00**

5:1 0.020

48.39

60 50 40

**123+50.00**

7.5:1 4:1 0.020

48.30

60 50 40

**123+00.00**

12:1 4:1 0.020

48.40

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xplL.dgn
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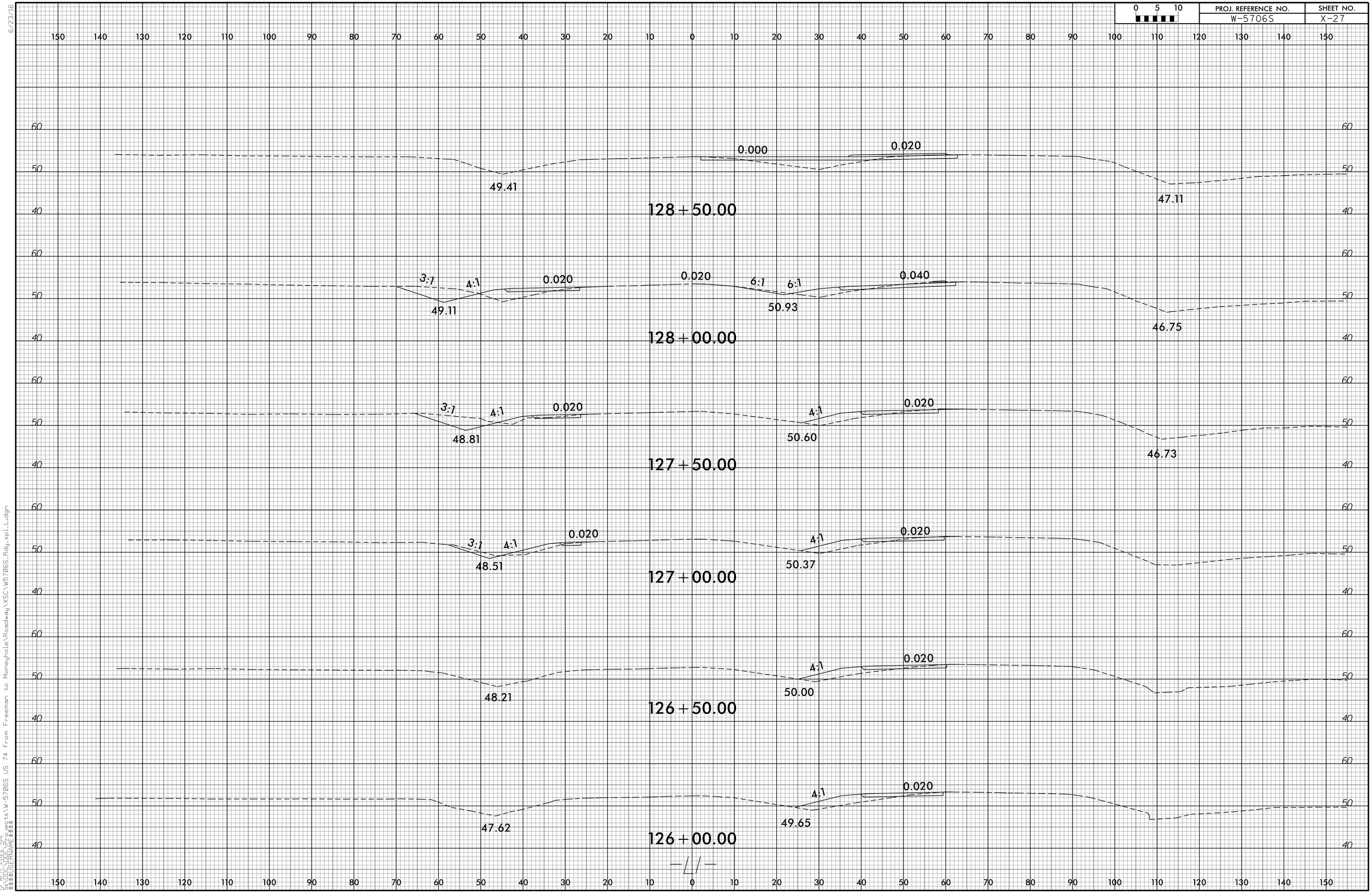
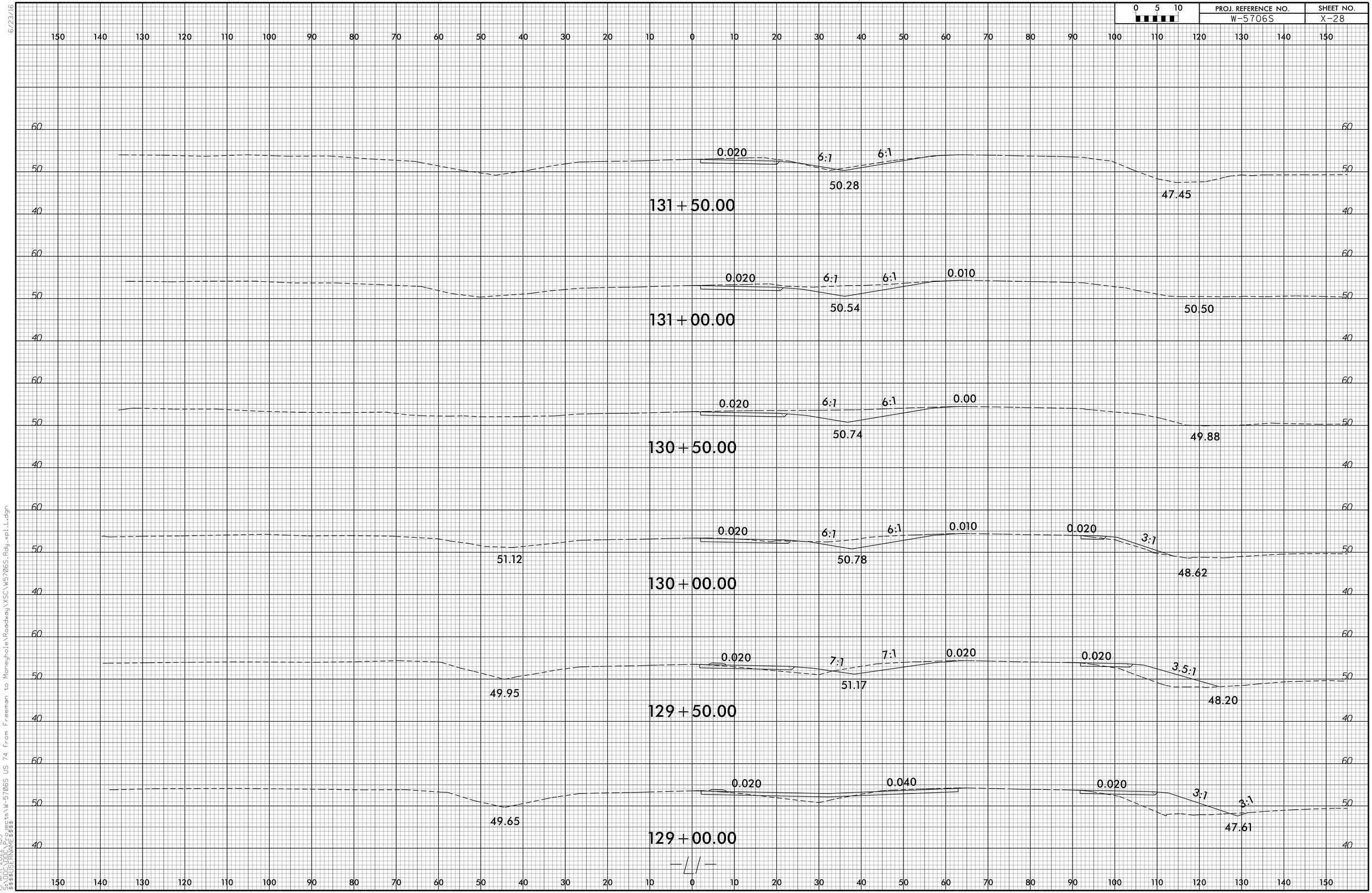
| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-27 |




13-APR-2022 11:12
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xplL.dgn
$$$$USERNAME$$$$

| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| W-5706S | X-28 |

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13-APR-2022 11:13
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$$$$USERNAME$$$$

6/23/16

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-29 |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

60 50 40

0.010 6:1 48.45

134+50.00

0.020 6:1 48.75

134+00.00

0.020 6:1 48.99

133+50.00

0.020 6:1 49.28 46.67

133+00.00

0.020 6:1 49.59 46.98

132+50.00

0.020 6:1 49.99 47.18

132+00.00

13-APR-2022 11:13
G:\ADOT Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy_xpll.dgn
$$$$USERNAME$$$$

| 0 5 10 | PROJ. REFERENCE NO. | SHEET NO. |
|---|---|---|
| | W-5706S | X-30 |

138+00.00

47.45

137+50.00

47.33

137+00.00

47.36

136+50.00

0.020

49.34

136+00.00

0.010

6:1

47.38

135+50.00

0.00

6:1

47.97

135+00.00

13-APR-2022 11:13
C:\Projects\W-5706S US 74 from Freeman to Moneyhole\Roadway\XSC\W5706S_Rdy-xpLL.dgn
$$$$USERNAME$$$$