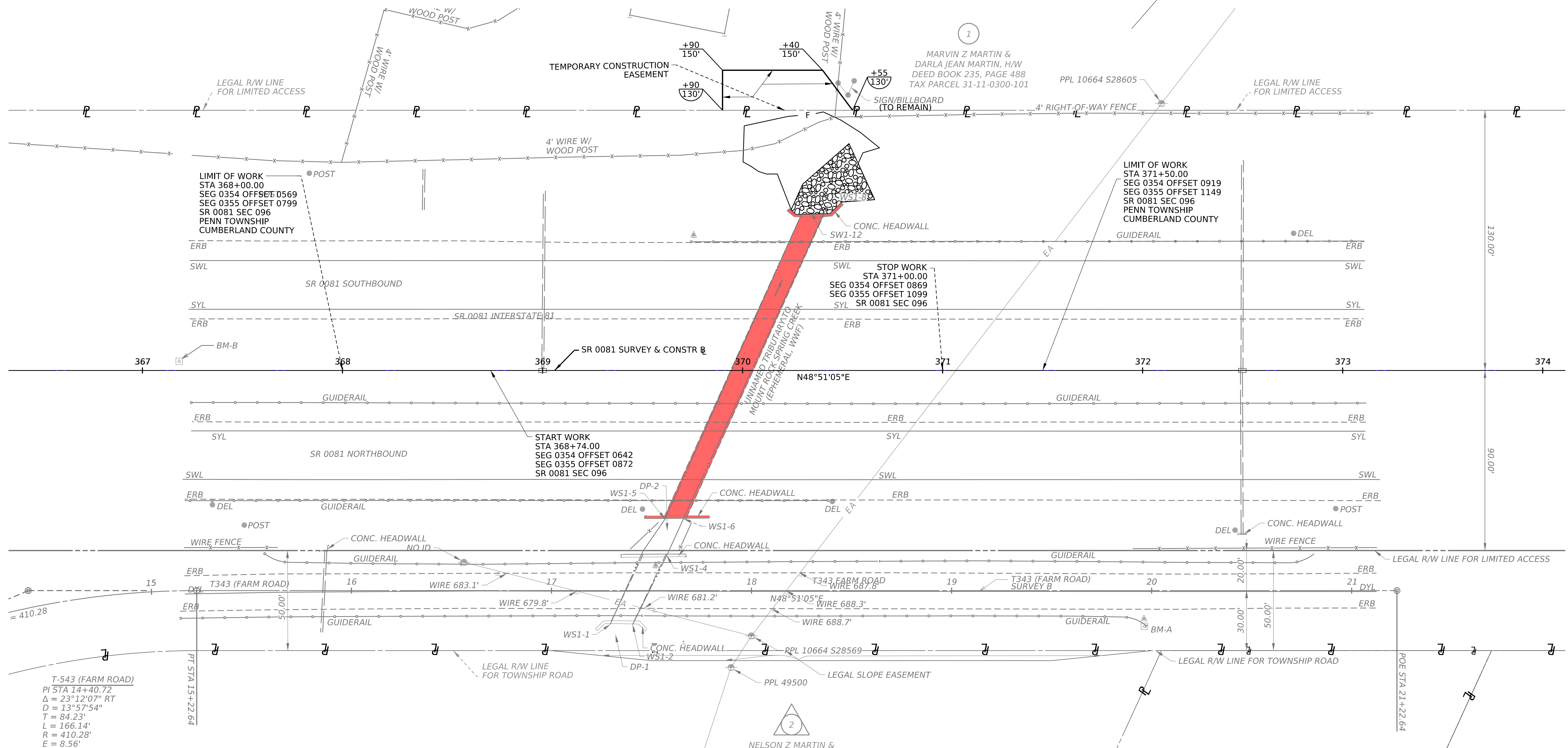


PLOTTED: 11-MAR-2025 08:47

BM-B ELEV 667.79
5' LT STA 367+18.38
CUT MARKS ON TOP
OF GUIDE RAIL POST

BM-A ELEV 664.67
128' RT STA 372+00.86
CUT MARKS ON TOP
OF GUIDE RAIL POST

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-0	CUMBERLAND	0081	096	3 OF 3
PENN TOWNSHIP				
REV NO	REVISIONS	DATE	BY	APPD



EXISTING STRUCTURE DATA

STA 369+99.70
TYPE: STEEL MULTI PLATE PIPE-ARCH CULVERT
SPAN: 10'-3" (NOMINAL)
UNDERCLEARANCE: 6'-9" (NOMINAL)
CLEAR ROADWAY WIDTH: N/A (UNDER FILL)

PROPOSED STRUCTURE DATA

STA 369+99.70
TYPE: ALUMINIZED STEEL PIPE-ARCH CULVERT (SLIP LINING)
SPAN: 7'-3" (NOMINAL)
UNDERCLEARANCE: 5'-3" (NOMINAL)
CLEAR ROADWAY WIDTH: N/A (UNDER FILL)

HYDRAULIC INFORMATION

DRAINAGE AREA = 0.61 SQUARE MILES

DESIGN FLOOD (50 YEAR):
Q = 203 CFS

PROPOSED: VELOCITY = 12.81 FPS
WS ELEV = 659.57
EXISTING: VELOCITY = 8.75 FPS
WS ELEV = 658.81

100 YEAR FLOOD:
Q = 260 CFS

PROPOSED: VELOCITY = 13.69 FPS
WS ELEV = 660.73
EXISTING: VELOCITY = 9.59 FPS
WS ELEV = 659.60

FLOOD OF RECORD:
UNKNOWN

2
NELSON Z MARTIN &
LORRAINE Z. MARTIN, H/W
INSTRUMENT 201240674
TAX PARCEL 31-11-0300-22

0 25 50 FEET

SURVEY BOOK NO.

ADVERSE PLOTTEL
FROM PB 49 PG 62

ADVERSE PLOTTED
FROM PB 49 PG 62