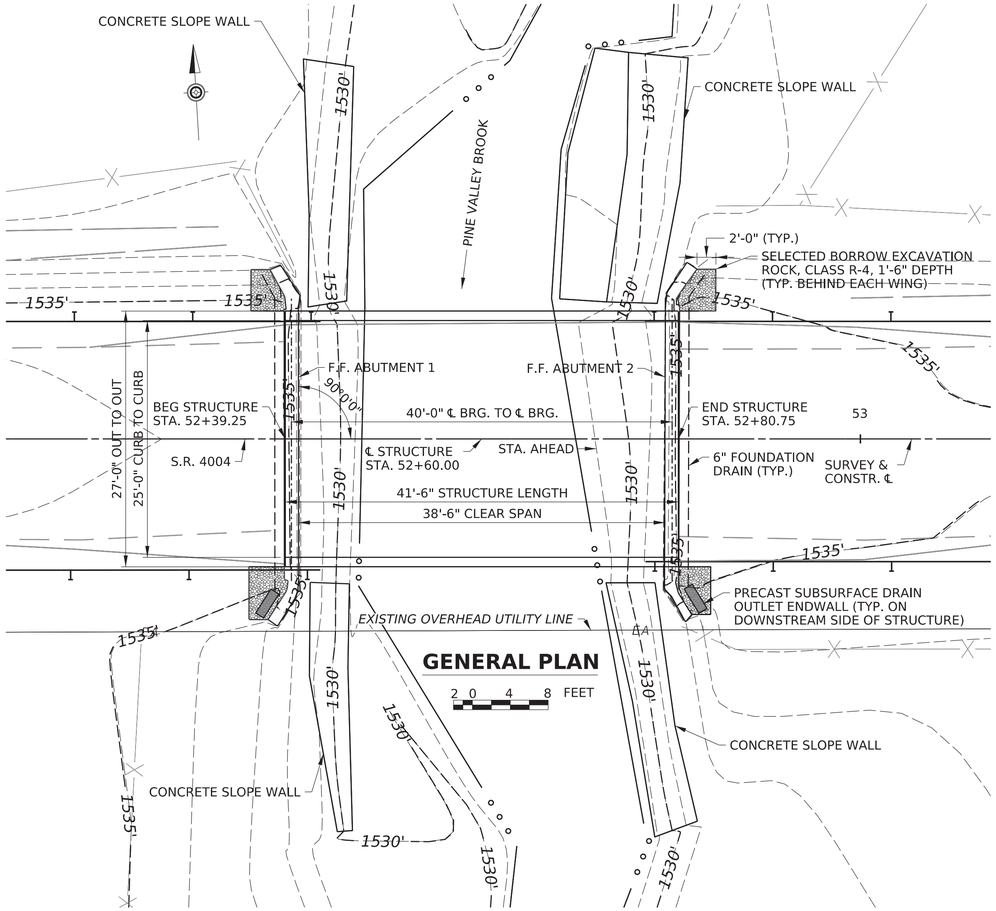
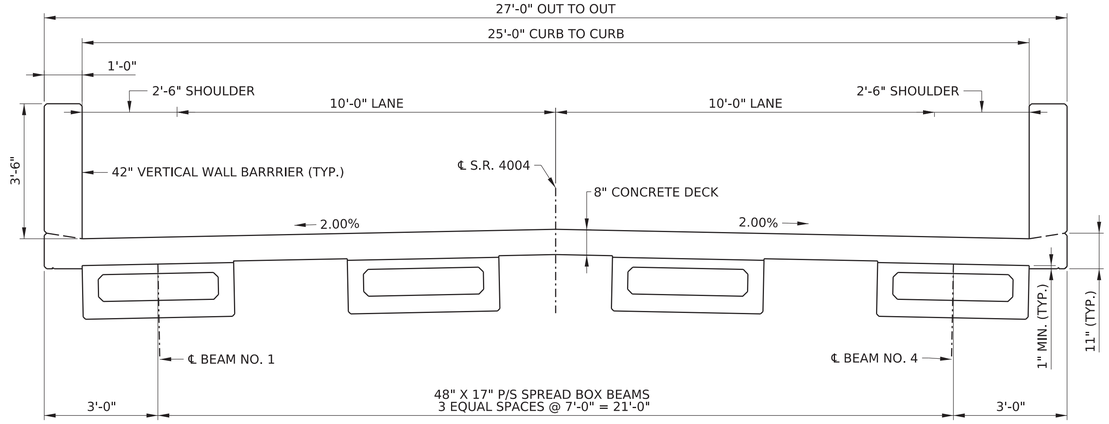
PLOTTED: 20-MAR-2024 08:23
OPERATOR: kojohnson
FILE NAME: pw://PDEDCPRAPPWI01.penndot.lcl:Connect_Projects/Documents/OpenRoads_Projects/D01/61-Warren/61 4004 B00 (78945)/DESIGN/Bridge/CADD Files/61400400202955_MAST.dgn



GENERAL PLAN

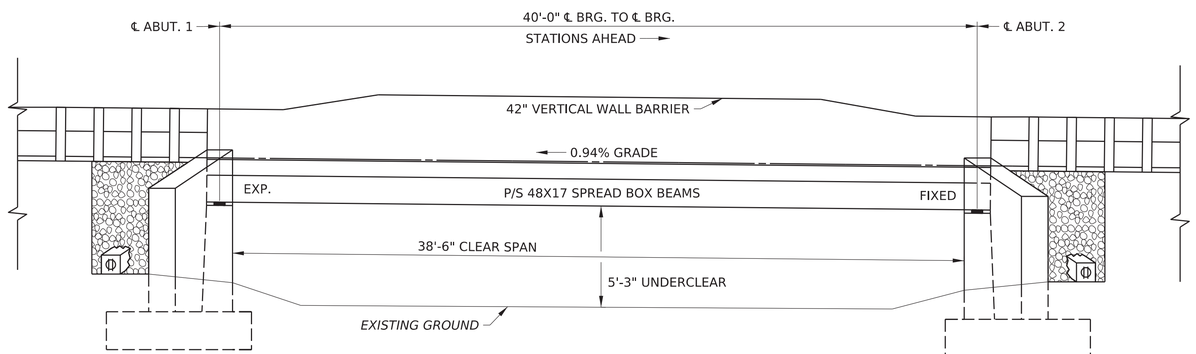
2 0 4 8 FEET



TYPICAL SECTION

(LOOKING STATIONS AHEAD)

1 0 1 2 FEET



ELEVATION

(LOOKING UPSTREAM)

2 0 2 4 FEET

PRELIMINARY
NOT FOR
CONSTRUCTION

STRUCTURE DATA

EXISTING STRUCTURE	PROPOSED STRUCTURE
STATION: 52+60.00	STATION: 52+60.00
TYPE: ADJACENT BOX BEAM	TYPE: SPREAD BOX BEAM
CLEAR SPAN: 1 @ 38’-6"	CLEAR SPAN: 1 @ 38’-6"
SKEW: 90°00’00”	SKEW: 90°00’00”
OUT TO OUT: 28’-3 3/4"	OUT TO OUT: 27’
CLEAR ROADWAY WIDTH: 24'-9 3/4"	CLEAR ROADWAY WIDTH:25’
MIN. UNDERCLEARANCE: 5'2"	MIN. UNDERCLEARANCE: 5'3"

LATITUDE: 41.993598 LONGITUDE: -79.513880

DESIGN SPECIFICATIONS

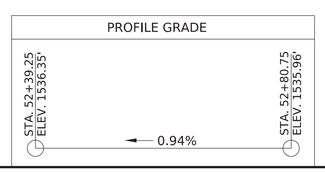
1. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017 AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, DECEMBER 2019 EDITION (INCLUDING REVISIONS)
2. LIVE LOAD DISTRIBUTION TO GIRDERS IS BASED UPON DESIGN MANUAL, PART 4 DISTRIBUTION FACTOR METHOD.
3. DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

DESIGN LIVE LOADS

1. PHL-P3, P-82 AND P2016-13
2. FATIGUE DESIGN IS BASED ON THE FOLLOWING:
   ADTT 51 (2030)

DEAD LOADS

1. INCLUDES SURFACE ARE DENSITY OF 0.049 KSF FOR FUTURE WEARING SURFACE ON THE DECK SLAB.
2. INLCLUDES SURFACE ARE DENSITY OF 0.015 KSF FOR PERMANENT METAL DECK FORMS THAT TAKES INTO ACOUNT THE WEIGHT OF THE FORM, PLUS THE WEIGHT OF THE CONCRETE IN THE VALLEYS OF THE FORMS.



Mark	Description	By	Chk'd	Recm'd.	Date
	REVISIONS				

S.R. 4004 PREVIOUSLY KNOWN AS L.R. 61017-01M

BMS STR ID: 61-4004-0020-2955 MPMS/ECMS PROJ: 78945

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

WARREN COUNTY
S.R. 4004 SECTION B00
SEGMENT 0020 OFFSET 2955
STA. 52+60
OVER PINE VALLEY BROOK
1 SPAN SUPERSTRUCTURE REPLACEMENT
TYPE, SIZE & LOCATION PLAN

RECOMMENDED _____

BRIDGE ENGINEER

SHEET 1 OF 1

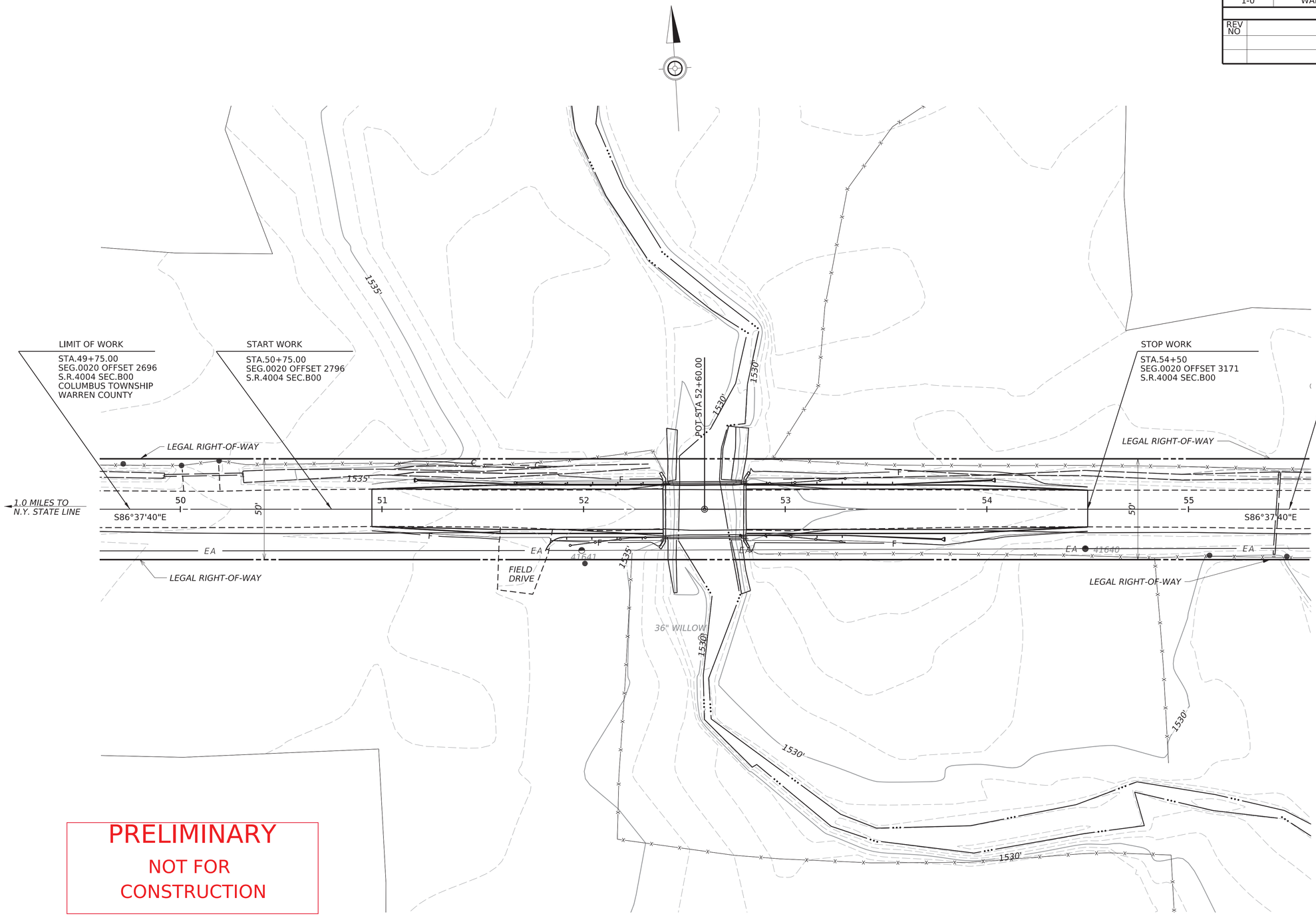
S - 42173

DES:	DWG:	CKD:

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	WARREN	4004		9 OF 10

COLUMBUS TOWNSHIP

REV NO	REVISIONS	DATE	BY	APPD



PRELIMINARY

NOT FOR CONSTRUCTION

SCALE

HORIZONTAL 0 25 50 FEET

PLOTTED: 15-MAR-2024 15:12

OPERATOR: robewood
FILE NAME: pw://PDEDCPRAPPWI01.penndot.lcl:Connect_Projects/Documents/OpenRoads_Projects/D01/61-Warren/61 4004 B00 (78945)/DESIGN/Roadway/CADD Files/614004B00_plan.dgn