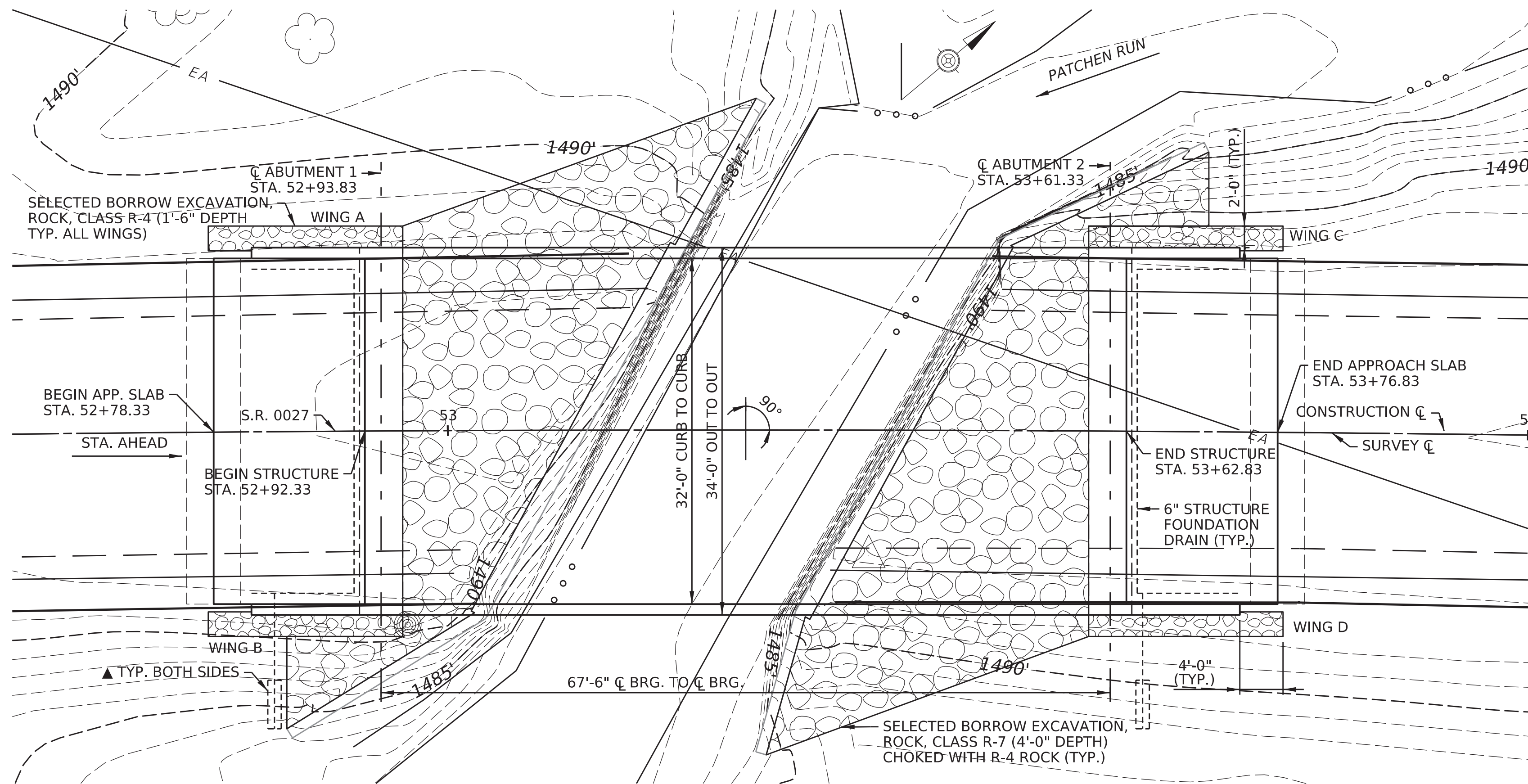


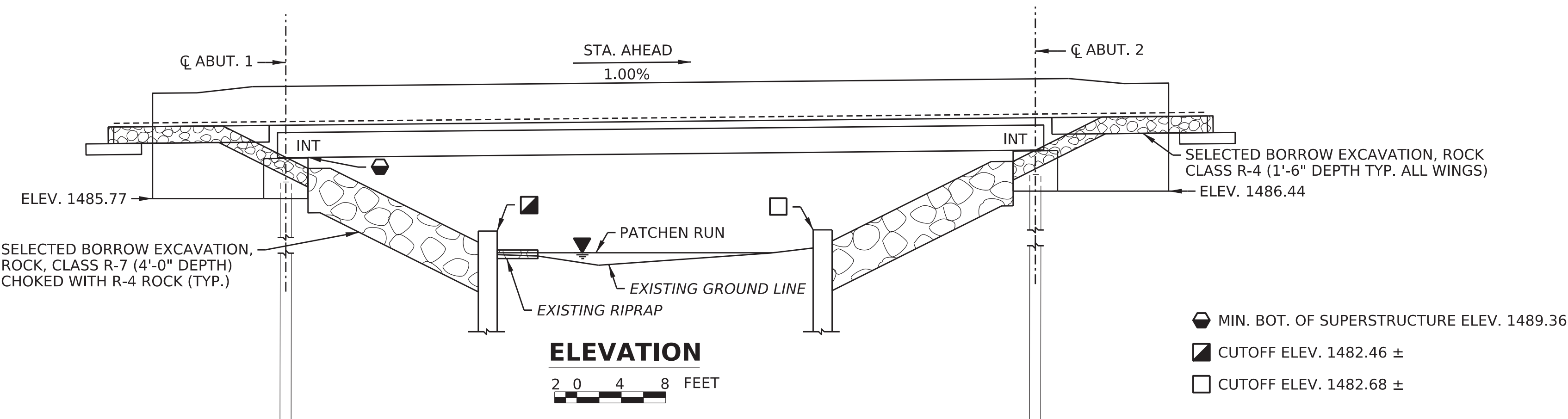
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OPERATOR: danstaub
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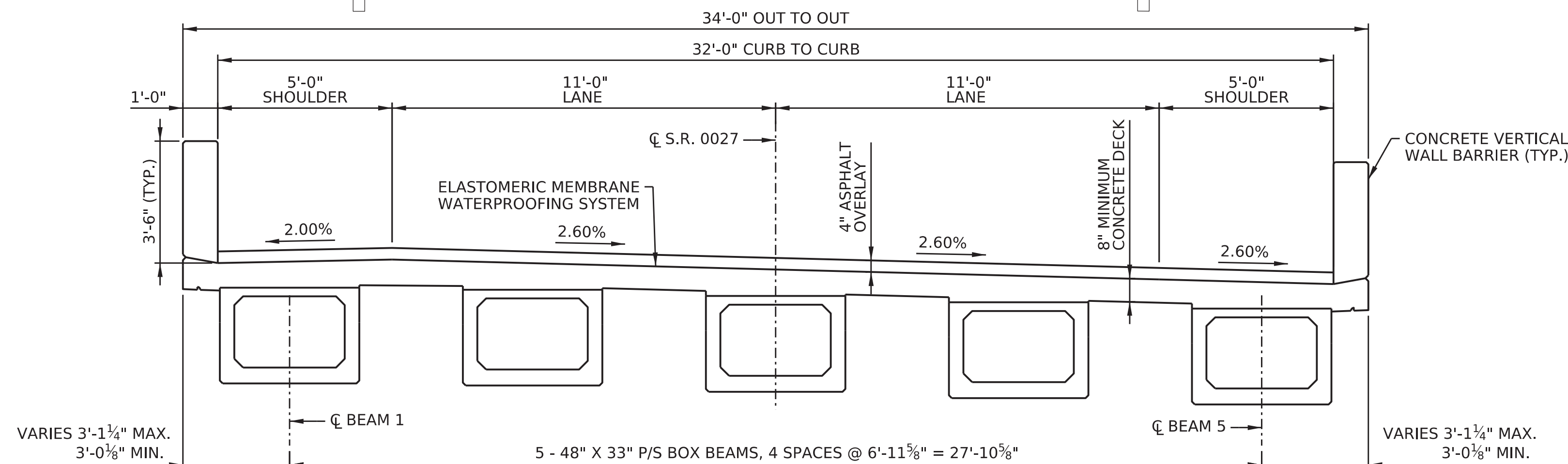
GENERAL PLAN

2 0 4 8 FEET



ELEVATION

2 0 4 8 FEET



TYPICAL SECTION

1 0 1 2 3 FEET

DESIGN SPECIFICATIONS

- AASHTO DESIGN DIVISION, LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017 AND AS SUPPLEMENTED BY DESIGN MANUAL PART 4, DECEMBER 2019 EDITION (INCLUDING REVISIONS).
- LIVE LOAD DISTRIBUTION TO BEAMS IS BASED ON DM-4 DISTRIBUTION FACTOR METHOD.
- DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.
- THE 42" VERTICAL WALL CONCRETE BARRIER IS DESIGNATED AS MASH TL-4 WHEN AN OVERLAY IS PLACED ON THE STRUCTURE AND REDUCES THE HEIGHT OF THE BARRIER BELOW 42".

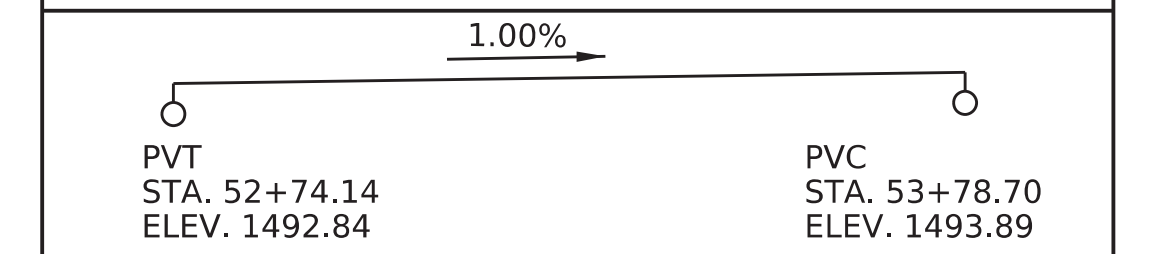
DESIGN LIVE LOADS

- PHL-93, P-82 AND P2016-13
- FATIGUE DESIGN IS BASED ON THE FOLLOWING: ADTT 138 (2025) (ONE-DIRECTIONAL)
- MAXIMUM ALLOWABLE STRESS IN PRECOMPRESSED TENSILE ZONE: 0.0948v/(f_c)

DEAD LOADS

- INCLUDES SURFACE AREA DENSITY OF 0.049 KSF FOR FUTURE WEARING SURFACE ON THE DECK SLAB.
- INCLUDES SURFACE AREA DENSITY OF 0.015 KSF FOR PERMANENT METAL DECK FORMS THAT TAKES INTO ACCOUNT THE WEIGHT OF THE FORM, PLUS THE WEIGHT OF THE CONCRETE IN THE VALLEYS OF THE FORMS.

GRADE PROFILE DATA @ C.C. STRUCTURE



STRUCTURE DATA

EXISTING STRUCTURE	PROPOSED STRUCTURE
STATION: 53+27	STATION: 53+27
TYPE: CONCRETE TEE BEAM	TYPE: SPREAD BOX BEAM
NORMAL CLEAR SPAN: 28'-0"	NORMAL CLEAR SPAN: 63'-6"
SKEW: 60°	SKEW: 90°
CURB-TO-CURB: 30'-0"	CURB-TO-CURB: 32'-0"
OUT-TO-OUT: 33'-7"	OUT-TO-OUT: 34'-0"
AVG. UNDERCLEARANCE: 9'-0"	AVG. UNDERCLEARANCE: 8'-11"

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

S.R. 0027 PREVIOUSLY KNOWN AS L.R. LR 61024
BMS STR ID: 61-0027-0550-0000 MPMS/ECMS PROJ: 58298

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION**

**WARREN COUNTY
S.R. 0027 SECTION B11
SEGMENT 0550 OFFSET 0000
S.R 0027-B11 STA. 53+27
OVER OVER PATCHEN RUN
SINGLE SPAN INTEGRAL ABUTMENT
TYPE, SIZE, & LOCATION PLAN**

RECOMMENDED _____
DISTRICT BRIDGE ENGINEER

SHEET 1 OF 1
S - 40223

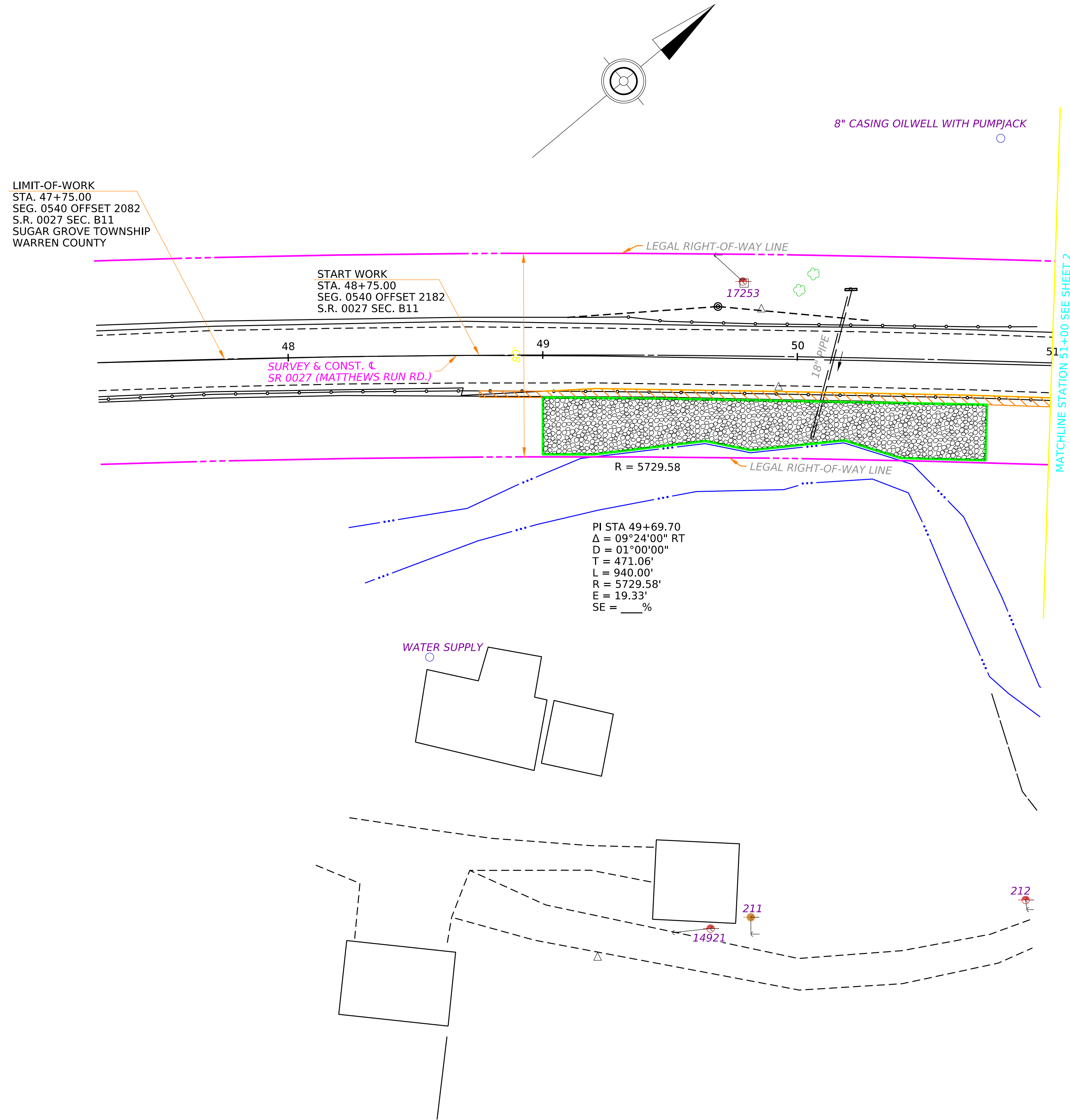
**PRELIMINARY
NOT FOR
CONSTRUCTION**

PUBLIC PLANS DISPLAY

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	WARREN	0027	B11	1 OF 2
SUGAR GROVE TOWNSHIP				
REV NO	REVISIONS	DATE	BY	APPD

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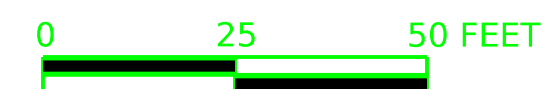
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LEGEND

- PRELIMINARY GUIDE RAIL WORK
- PRELIMINARY ROADWAY WORK/BRIDGE WORK
- PRELIMINARY SLOPE PROTECTION

HORIZONTAL

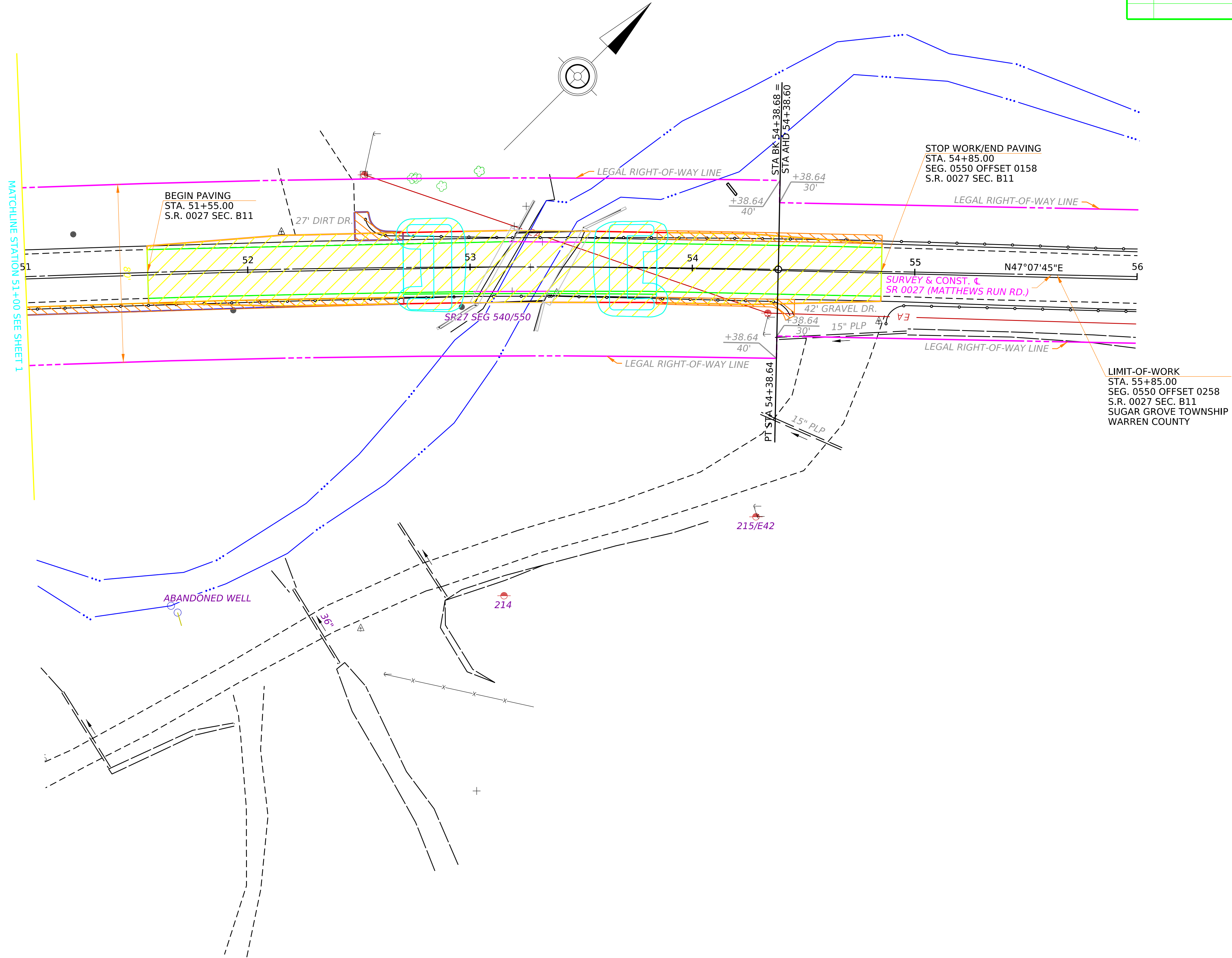


SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

PUBLIC PLANS DISPLAY

DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	WARREN	0027	B11	2 OF 2		
SUGAR GROVE TOWNSHIP						
REV NO	REVISIONS			DATE	BY	APPD

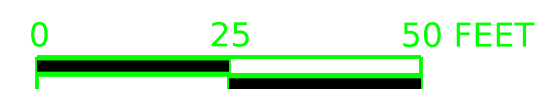


LEGEND

- PRELIMINARY GUIDE RAIL WORK
- PRELIMINARY ROADWAY WORK/BRIDGE WORK
- PRELIMINARY SLOPE PROTECTION

HORIZONTAL

SCALE



**PRELIMINARY
NOT FOR CONSTRUCTION**

PLOTTED: 30-JAN-2024 11:41

OPERATOR: brjuth
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