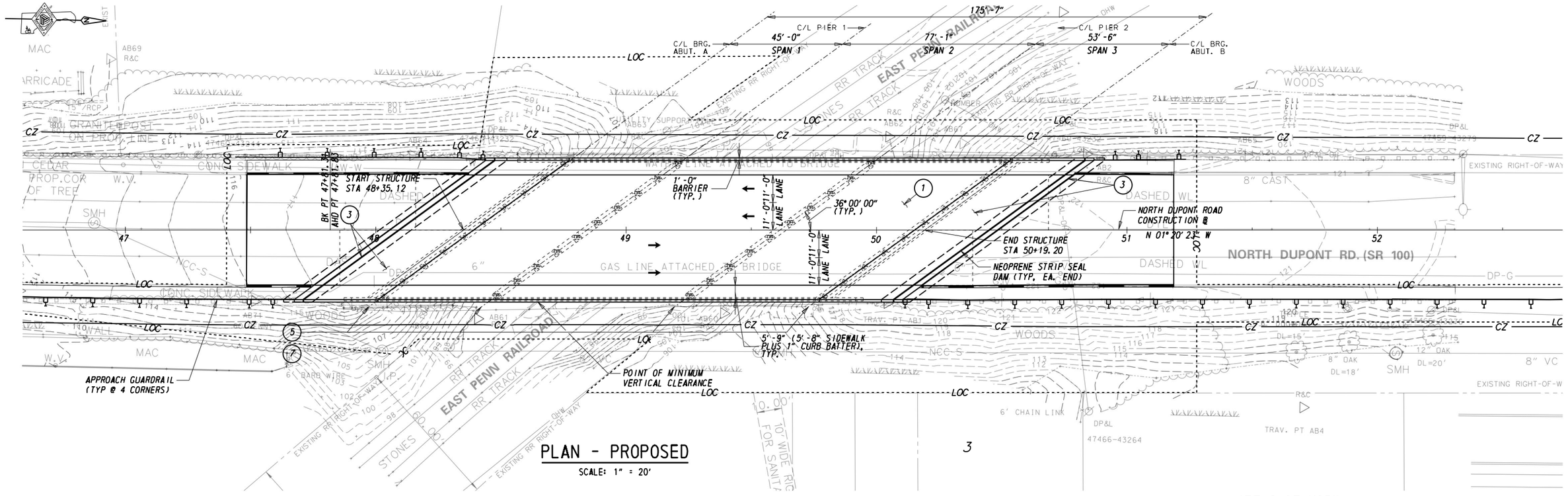
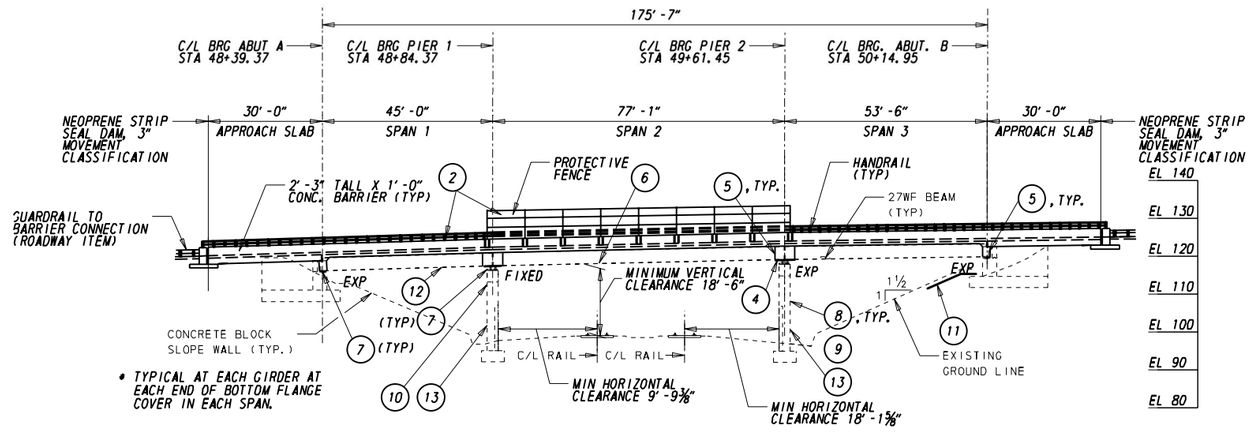


PLAN - PROPOSED

SCALE: 1" = 20'



* TYPICAL AT EACH GIRDER AT EACH END OF BOTTOM FLANGE COVER IN EACH SPAN.

ELEVATION - PROPOSED

SCALE: 1" = 20'

SR 100 VERTICAL CURVE DATA

+5.50% / +2.44%

PVI 47+91.50
ELEV. 118.69
LENGTH = 86.00'
SSD = 396.36'
K = 28.16

+2.44%

PVT 48+34.50
ELEV. 119.74
PVC = 48+85.94
ELEV. 121.00

+2.44% / -1.26%

PVI 49+86.94
ELEV. 123.46
LENGTH = 202.00'
SSD = 392.32'
K = 54.53

SR 100 HORIZONTAL CURVE DATA

TANGENT

REFER TO SHEET 5 FOR HORZONTAL CURVE DATA

ITEMS OF WORK:

1. REPLACE EXISTING DECK AND ASSOCIATED BARRIERS WITH CONTINUOUS SPAN CAST-IN-PLACE DECK. CONSTRUCT NEW CONCRETE SIDEWALK AND BARRIER. 2'-3" PARAPET SECTION.
2. INSTALL NEW HANDRAIL AND PROTECTIVE FENCE.
3. REPLACE EXISTING APPROACH SLABS WITH NEW APPROACH SLABS AND SLEEPER SLABS.
4. INSTALL GIRDER TOP AND BOTTOM FLANGE CONTINUITY PLATES OVER PIERS.
5. CONSTRUCT CONTINUITY CONCRETE DIAPHRAGMS AT PIERS & END DIAPHRAGMS AT ABUTMENTS.
6. CLEAN AND PAINT ALL EXISTING STRUCTURAL STEEL.
7. REPLACE ALL BEARINGS WITH CIRCULAR ELASTOMERIC BEARINGS. THIS WORK WILL REQUIRE JACKING AND TEMPORARY SUPPORT OF GIRDERS.
8. REPAIR SPALLS ON SUBSTRUCTURE UNITS.
9. SEAL CRACKS ON SUBSTRUCTURE UNITS WITH EPOXY INJECTION.
10. PARTIAL DEMOLITION AND RECONSTRUCTION OF PIER 1. THIS WORK WILL INCLUDE JACKING AND TEMPORARY SUPPORT OF GIRDERS 1-3 @ PIER 1.
11. REPAIR ABUTMENT B SLOPE WALL. NOTE THAT CONTRACTOR'S PROPOSED MEANS OF TEMPORARY SUPPORT OF SUPERSTRUCTURE ADJACENT TO PIER 1 MAY ALSO REQUIRE PARTIAL RECONSTRUCTION OF ABUTMENT A SLOPE WALL, AS INDICATED HEREIN.
12. PERFORM STEEL FATIGUE REPAIR AT EXISTING BOTTOM FLANGE WELDED COVER PLATE TERMINATIONS IN EACH SPAN.
13. CONSTRUCT INFILL WALLS, TYPICAL AT PIER 1 & 2.

P:\60323054 DELDOT AGR 1672 BOS\T07 - REHAB BR. 1-634\900 CAD\20 SHEETS\STRUCTURES\BR1-634\BR-634-PE01.DGN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 20 40 60 FEET	BR 1-634 SR 100 DUPONT ROAD OVER EAST PENN RR	CONTRACT T201507403	BRIDGE NO. 1-634	BRIDGE PLAN AND ELEVATION	SHEET NO. 10
				COUNTY NEW CASTLE	DESIGNED BY: SCF		TOTAL SHTS. 62
					CHECKED BY: JAM		