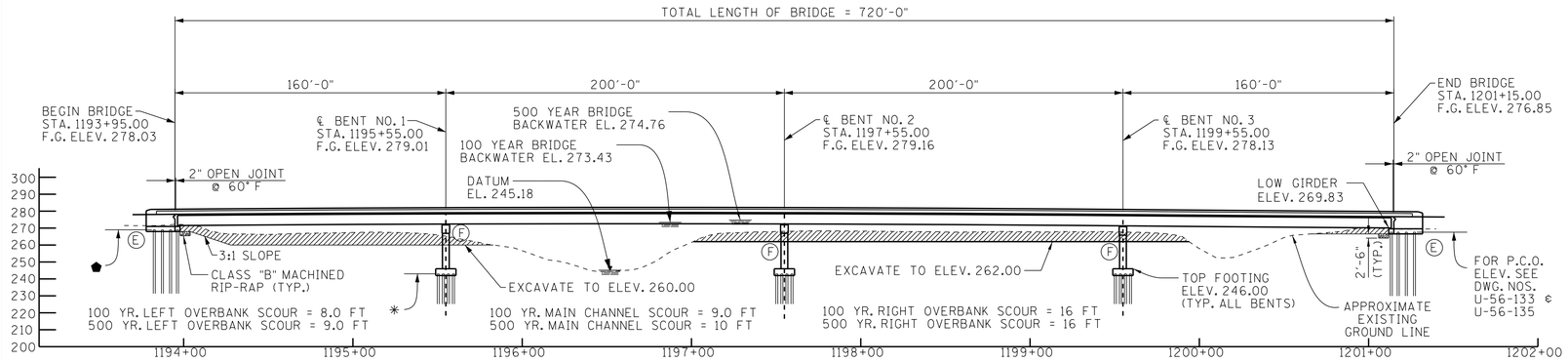
LAY1124F.DGN

CONST. NO. 79011-3266-94

PROJECT NO.	YEAR	SHEET NO.
BR-STP-1(283)	2015	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



(F) DENOTES: FIXED

(E) DENOTES: EXPANSION

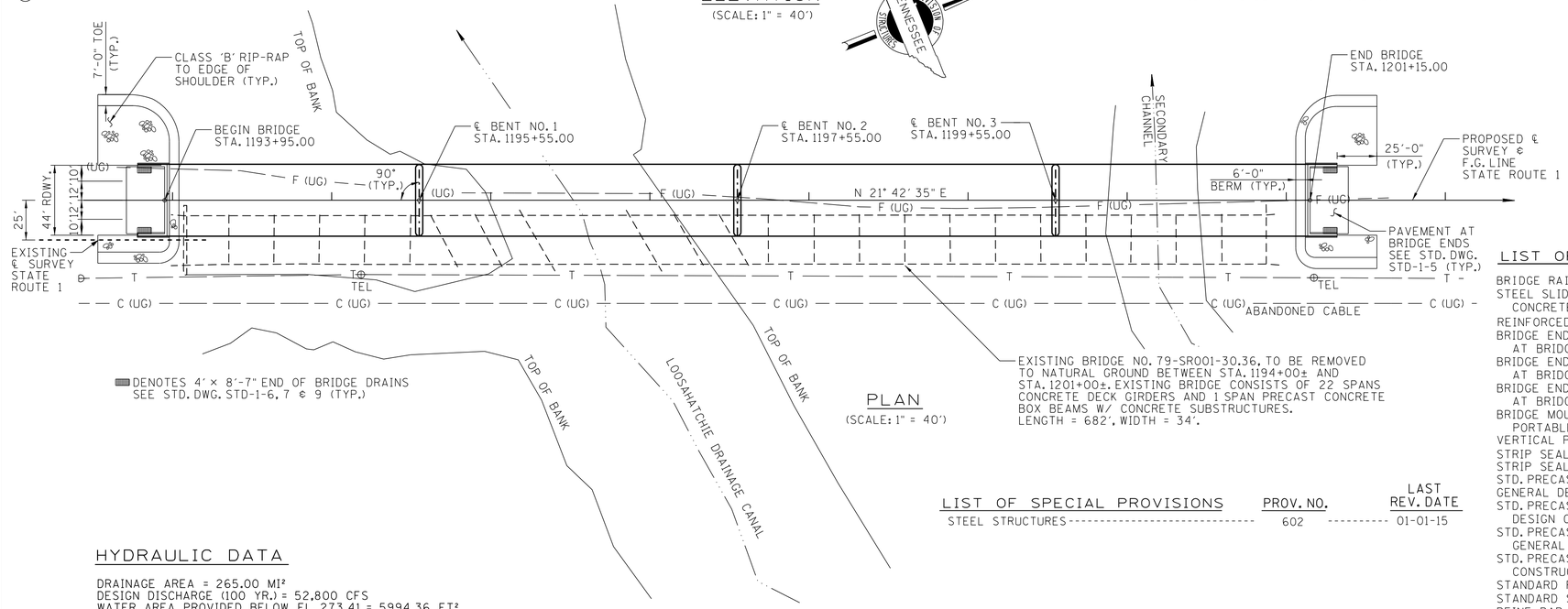
⬟ DENOTES: FOR P.C.O. ELEV. SEE DWG. NOS. U-56-129 & U-56-131

✳ DENOTES: FOR P.C.O. ELEV. SEE DWG. NO. U-56-137 (TYP. ALL BENTS)

DENOTES: AREA TO BE EXCAVATED AND PAID FOR UNDER ROADWAY ITEMS.

ELEVATION

(SCALE: 1" = 40')



DENOTES 4' × 8'-7" END OF BRIDGE DRAINS SEE STD. DWG. STD-1-6, 7 & 9 (TYP.)

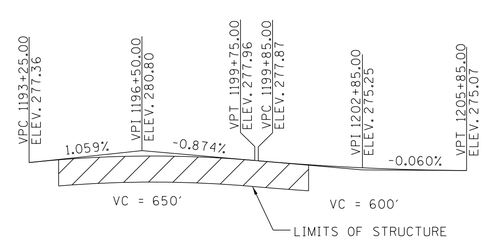
EXISTING BRIDGE NO. 79-SR001-30.36, TO BE REMOVED TO NATURAL GROUND BETWEEN STA. 1194+00± AND STA. 1201+00±. EXISTING BRIDGE CONSISTS OF 22 SPANS CONCRETE DECK GIRDERS AND 1 SPAN PRECAST CONCRETE BOX BEAMS W/ CONCRETE SUBSTRUCTURES. LENGTH = 682', WIDTH = 34'.

PLAN

(SCALE: 1" = 40')

HYDRAULIC DATA

DRAINAGE AREA = 265.00 MI²
DESIGN DISCHARGE (100 YR.) = 52,800 CFS
WATER AREA PROVIDED BELOW EL. 273.41 = 5994.36 FT²
100 YR. VELOCITY = 6.43 FPS
100 YR. BRIDGE BACKWATER = 0.91 FT @ EL. 273.43 FT.
ROADWAY OVERTOPPING ELEVATION = 272.40



FINISHED GRADE SKETCH

STATE ROUTE 1

NOTE: ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., FOR BENT FOOTING, RIP-RAP PLACEMENT, MULTI-BARREL CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS, EC-STR-31 AND TEMPORARY DIVERSION CULVERTS, EC-STR-32 FOR SINGLE BARREL CULVERT CONSTRUCTION.

LIST OF DRAWINGS

LIST OF DRAWINGS	DWG. NO.	LAST REV. DATE
LAYOUT OF BRIDGE	U-56-105	
GENERAL NOTES	U-56-106	
ESTIMATED QUANTITIES	U-56-107	
FOUNDATION DATA	U-56-108	
FOUNDATION DATA	U-56-109	
PHASE CONSTRUCTION DETAILS	U-56-110	
SUPERSTRUCTURE	U-56-111	
SUPERSTRUCTURE DETAILS	U-56-112	
SUPERSTRUCTURE DETAILS	U-56-113	
SUPERSTRUCTURE DETAILS	U-56-114	
SUPERSTRUCTURE DETAILS	U-56-115	
SUPERSTRUCTURE DETAILS	U-56-116	
SUPERSTRUCTURE DETAILS	U-56-117	
SUPERSTRUCTURE DETAILS	U-56-118	
SUPERSTRUCTURE DETAILS	U-56-119	
SUPERSTRUCTURE DETAILS	U-56-120	
SUPERSTRUCTURE DETAILS	U-56-121	
SUPERSTRUCTURE DETAILS	U-56-122	
SUPERSTRUCTURE DETAILS	U-56-123	
SUPERSTRUCTURE DETAILS	U-56-124	
SUPERSTRUCTURE DETAILS	U-56-125	
SUPERSTRUCTURE DETAILS	U-56-126	
BEARING DEVICE DETAILS	U-56-127	
ABUTMENT NO. 1	U-56-128	
ABUTMENT NO. 1 DETAILS	U-56-129	
ABUTMENT NO. 1 DETAILS	U-56-130	
ABUTMENT NO. 1 DETAILS	U-56-131	
ABUTMENT NO. 2	U-56-132	
ABUTMENT NO. 2 DETAILS	U-56-133	
ABUTMENT NO. 2 DETAILS	U-56-134	
ABUTMENT NO. 2 DETAILS	U-56-135	
BENT NOS. 1, 2 & 3	U-56-136	
BENT NOS. 1, 2 & 3 DETAILS	U-56-137	
BENT NOS. 1, 2 & 3 DETAILS	U-56-138	
BENT NOS. 1, 2 & 3 DETAILS	U-56-139	
FINAL FOUNDATION DATA	U-56-140	
FINAL FOUNDATION DATA	U-56-141	
BILL OF STEEL	U-56-142	
BILL OF STEEL	U-56-143	

LIST OF STANDARD DRAWINGS

LIST OF STANDARD DRAWINGS	DWG. NO.	LAST REV. DATE
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET	STD-1-1SS	05-01-14
STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS - 2007	STD-1-2SS	
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	03-26-14
BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS	STD-1-6	04-28-97
BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS	STD-1-7	08-24-11
BRIDGE END DRAIN 4' X 8'-7" WITH PAVEMENT AT BRIDGE ENDS	STD-1-9	05-01-95
BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL	STD-2-1	11-01-10
VERTICAL PANEL DETAILS	STD-2-2	
STRIP SEAL EXPANSION JOINT	STD-3-1	11-01-10
STRIP SEAL EXPANSION JOINT	STD-3-2	11-01-10
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-1	04-08-05
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA	STD-4-2	04-08-05
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-3	03-02-02
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS	STD-4-4	06-10-96
STANDARD PILE DETAILS	STD-5-1	10-25-93
STANDARD SEISMIC DETAILS	STD-6-1	11-01-10
REINF. BAR SUPPORT DETAILS FOR CONC. SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT & DRAINAGE DETAILS	STD-10-1	04-08-05

LIST OF SPECIAL PROVISIONS

LIST OF SPECIAL PROVISIONS	PROV. NO.	LAST REV. DATE
STEEL STRUCTURES	602	01-01-15

2034 ADT = 9220
44'-0" ROADWAY W/ STD-1-1SS PARAPETS
DESIGN SPEED = 55 MPH

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE
STATE ROUTE 1
OVER LOOSAHATCHIE RIVER
BRIDGE I.D. NO. 79SR0010039
STATION 1197+55.00
LOG MILE 30.36
SHELBY COUNTY
2015

CORRECT _____ ENGINEER OF STRUCTURES

U-56-105

DESIGNED BY	ADAM PRICE	DATE	06-14
DRAWN BY	CHRIS STAPLER	DATE	02-15
SUPERVISED BY	C.M.D./J.W.F.	DATE	02-15
CHECKED BY	ADAM PRICE	DATE	04-15

CLASS 'B' MACHINED RIP-RAP = 765 TONS