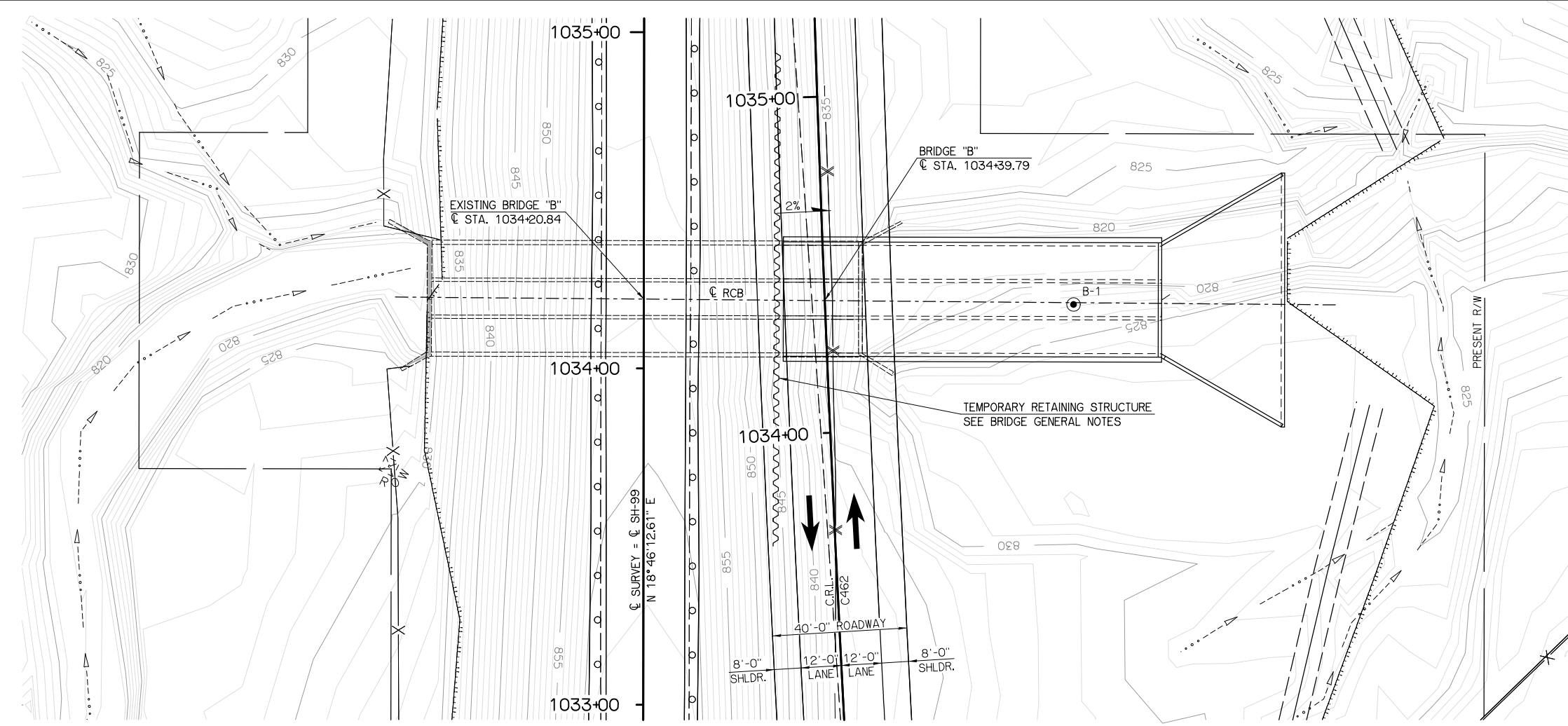


REV. NO.	DESCRIPTION	REVISIONS	DATE



BM #6 80D NAIL IN 16" TREE
114' RT., $\text{\textcircled{C}}$ SURVEY STA. 102+71, ELEV. = 873.168

BM #0-57-179 ODOT BRASS MONUMENT STAMPED
15' RT., $\text{\textcircled{C}}$ SURVEY STA. 1029+22, ELEV. = 870.098

PLAN
SCALE 20 10 5 0 20

BM #7 80D NAIL IN 18" TREE
82' RT., $\text{\textcircled{C}}$ SURVEY STA. 1037+25, ELEV. = 860.200

INDEX OF BRIDGE SHEETS

- BRIDGE GENERAL NOTES (BRIDGE)
- BRIDGE PAY QUANTITIES (BRIDGE)
- GENERAL PLAN AND ELEVATION
- SUBSTRUCTURE LAYOUT
- FOUNDATION REPORT
- RCB CULVERT - BARREL DETAILS
- RCB CULVERT - END SECTION DETAILS SHEET 1 OF 3
- RCB CULVERT - END SECTION DETAILS SHEET 2 OF 3
- RCB CULVERT - END SECTION DETAILS SHEET 3 OF 3

HYDRAULIC DATA

D.A.	=	4.39 SQ. MI.
CONTROLLED D.A.	=	0.00 SQ. MI.
EFFECTIVE D.A.	=	4.39 SQ. MI.
Q2	=	689 CFS
V2	=	3.76 FPS
CHW2	=	824.30 FT.
Q5	=	1,420 CFS
V5	=	5.67 FPS
CHW5	=	826.80 FT.
Q10	=	2,060 CFS
V10	=	7.17 FPS
CHW10	=	828.35 FT.
Q25	=	3,060 CFS
V25	=	10.20 FPS
CHW25	=	830.41 FT.
Q50	=	3,960 CFS
V50	=	13.20 FPS
CHW50	=	833.15 FT.
Q100	=	4,950 CFS
V100	=	16.50 FPS
CHW100	=	836.53 FT.
QOT	=	8,560 CFS
VOT	=	28.53 FPS
CHWOT	=	852.56 FT.

RDWY OT > 500

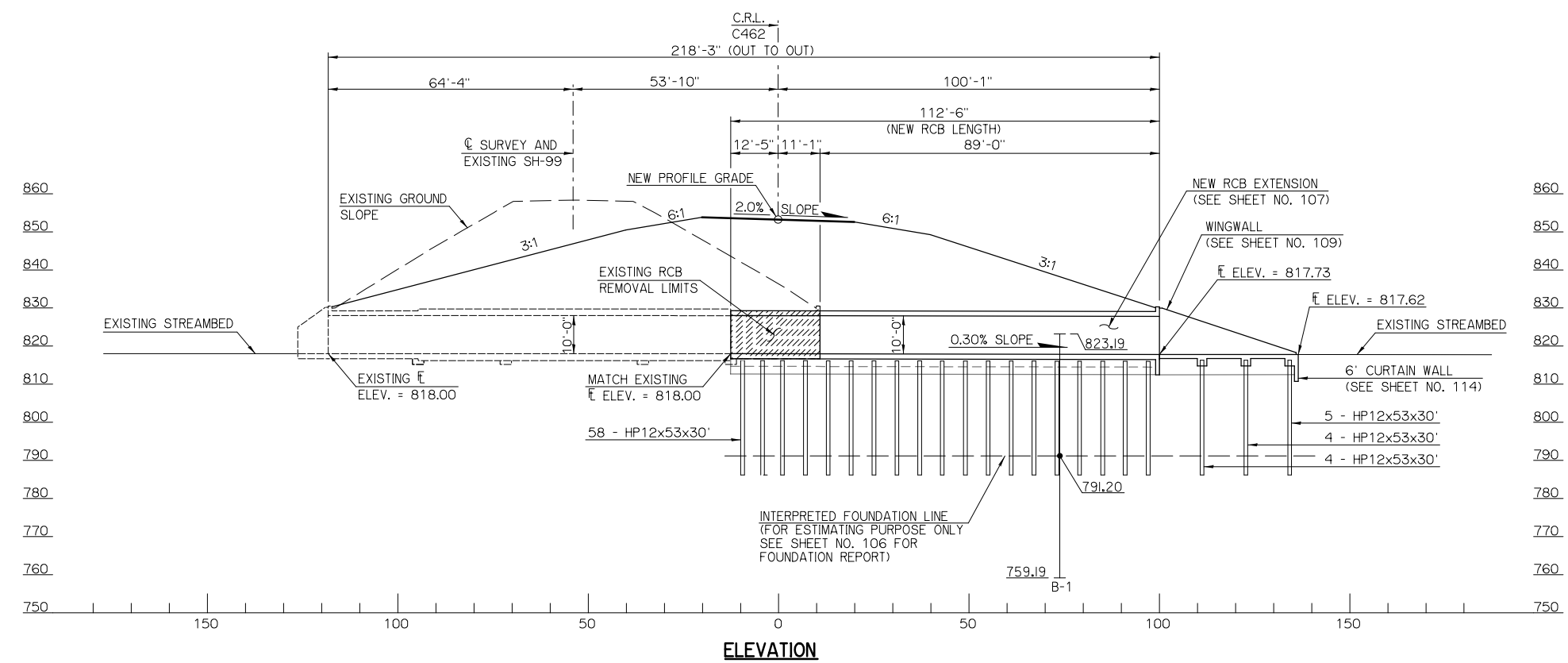
EXISTING RCB DATA
STA. 1034+20.84 (3) 10'X10'X129' RCB'S
XING AT 64.7' LT. & 65.0' RT.
ELEV. (NORTH BOX) = 817.9 W. & 818.0' E.
ELEV. (CENTER BOX) = 818.3' W. & 818.0' E.
ELEV. (SOUTH BOX) = 818.0' W. & 818.0' E.

DESIGN DATA
DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION.
DESIGNED FOR HL-93 LOADING AND ODOT OVERLOAD TRUCK.
MATERIALS:
CONCRETE (CLASS AA) f'_c = 4 KSI
REINFORCING STEEL f'_y = 60 KSI
STRUCTURAL STEEL M270 f'_y = 50 KSI

CURVE C462
P.I. C.R.L. STA. 1040+18.95
N - 574,977.4870
E - 2,463,283.3168
 Δ = 10° 12' 00" (RT.)
D = 0° 36' 09"
R = 9,510.00'
T = 848.74'
L = 1,693.00'
E = 37.80'
SE = 2.0%

SUMMARY OF QUANTITIES

ITEM	UNIT	BARREL	END SECTIONS	TOTAL
UNCLASSIFIED EXCAVATION	CY	2,340.0	-----	2,340.0
STRUCTURAL EXCAVATION UNCLASSIFIED	CY	415.0	-----	415.0
CLASS AA CONCRETE	CY	665.8	161.1	826.9
REINFORCING STEEL	LB	102,730.0	26,470.0	129,200.0
PILES, FURNISHED (HP 12X53)	LF	1,740.0	390.0	2,130.0
PILES, DRIVEN (HP 12X53)	LF	1,740.0	390.0	2,130.0
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA	1	-----	1
REMOVAL OF BRIDGE ITEMS	LSUM	1	1	1



SH-99 OVER UNNAMED CREEK OSAGE COUNTY
BRIDGE "B"
GENERAL PLAN AND ELEVATION
3-CELL (10' X 10' X 218') RCB
 $\text{\textcircled{C}}$ BRIDGE STA. 1034+39.79, SKEW 0°
NO. 5730 1170 X NBI 04875
STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 24261(04) SHEET NO. 104

Design	SBH	-
Detail	RJM	-
Check	SBH	-
Squad	
Engr.	

Plotted By: rdm Date: 6/7/2017 4:52:38 PM
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