

REVISIONS		
REV. NO.	DESCRIPTION	DATE

**INDEX OF SHEETS**

AB01	GENERAL NOTES & PAY QUANTITIES (BRIDGE A)
B001	GENERAL PLAN AND ELEVATION
B002-B007	DETAILS OF R.C.B. EXTENSION

**STANDARDS**  
SBI-4-2

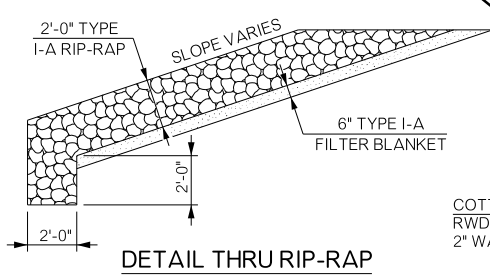
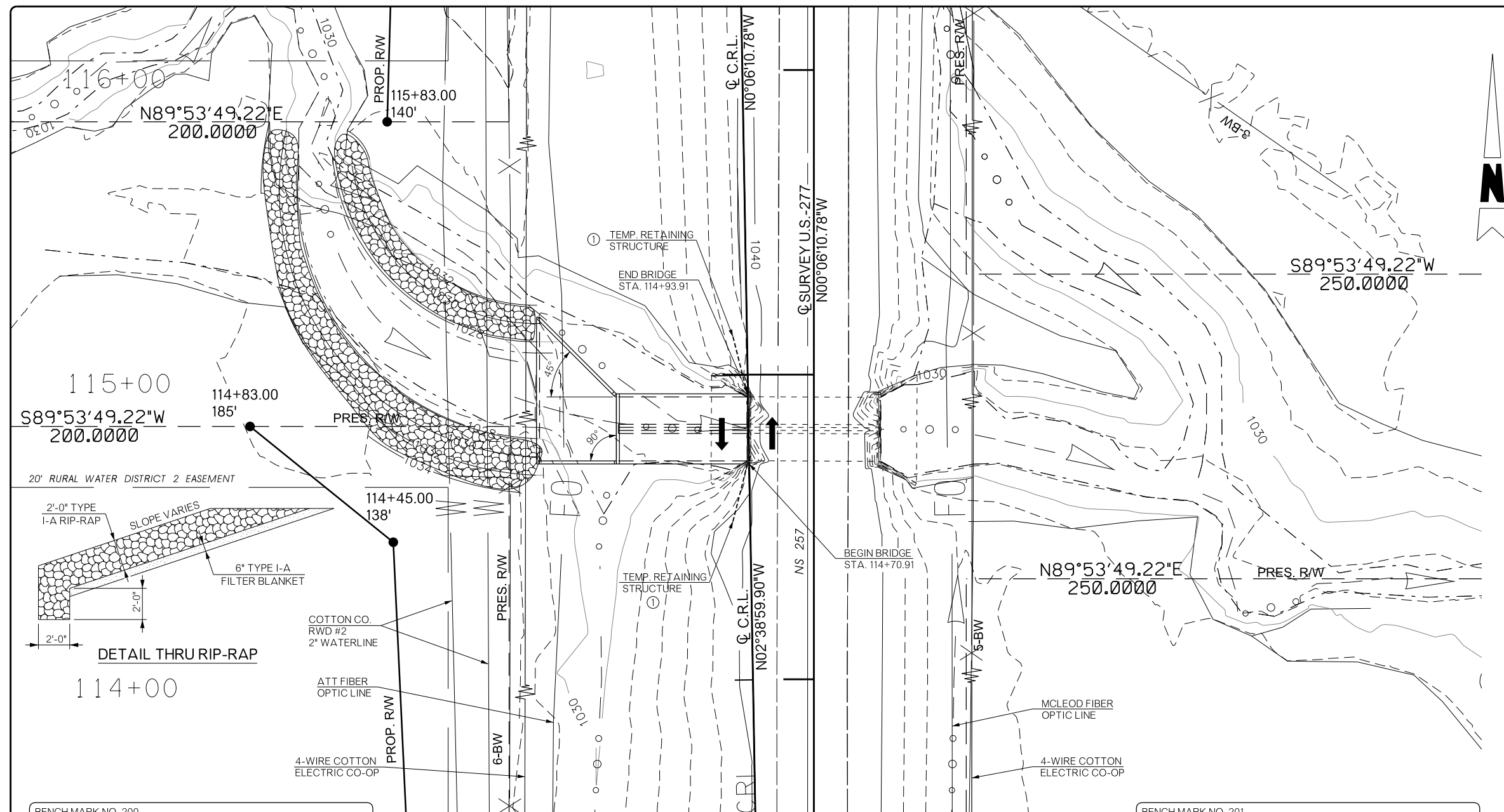
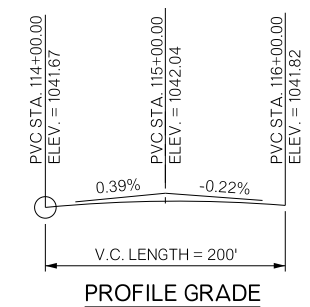
**DESIGN DATA**  
(LOAD RESISTANCE FACTOR DESIGN)

LOADING: HL-93 OR OKLAHOMA OVERLOAD TRUCK.  
 DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION WITH 2016 INTERIMS.  
 ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE  
 ANSI/AWS D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL  
 MATERIAL: CLASS AA CONCRETE:  $f'_c = 4$  KSI  
 REINFORCING STEEL:  $F_y = 60$  KSI

**HYDRAULIC SUMMARY**

TOTAL DRAINAGE AREA	=	1.35sq. mi
CONTROLLED DRAINAGE AREA	=	0.00sq. mi
EFFECTIVE DRAINAGE AREA	=	1.35sq. mi

FREQ.	Q(cfs)	CHW(ft)	V(fps)
2	208	1,031.11	1.73
5	454	1,032.56	2.68
10	674	1,033.53	3.34
25	1,029	1,034.81	4.29
50	1,350	1,035.93	3.16
100	1,711	1,037.12	3.62
500	2,765	1,041.42	3.82
OT = 451	2,765	1,041.42	3.82

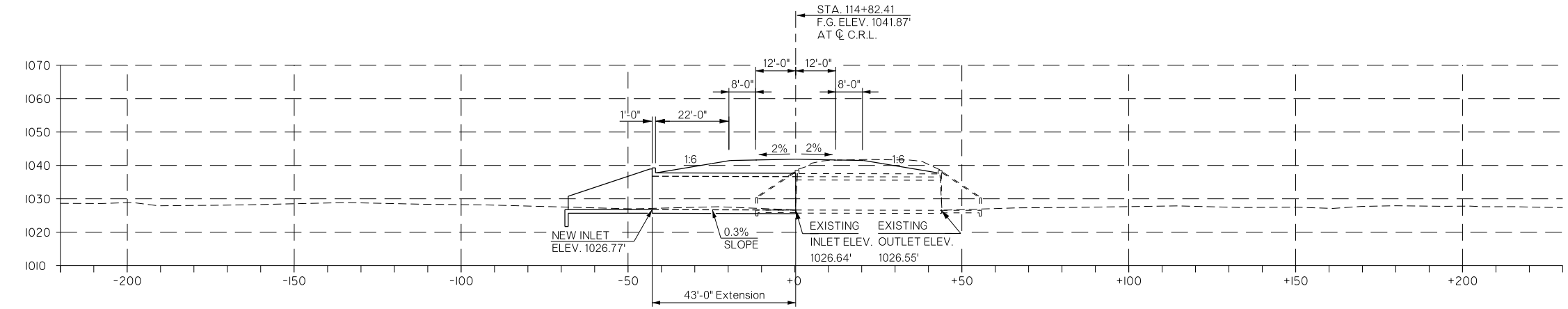


BENCH MARK NO. 200  
ALUMINUM CAP  
OFFSET: 178.59' RIGHT STATION: 107+91.00 ELEVATION: 1040.66'

BENCH MARK NO. 201  
ALUMINUM CAP  
OFFSET: 257.75' LEFT STATION: 123+37.43 ELEVATION: 1035.97'

**ELEVATION**

① THE EXTENT AND LOCATION OF TEMPORARY RETAINING STRUCTURES ARE APPROXIMATE. FIELD ADJUST AS NECESSARY.



**ELEVATION**

**QUANTITIES**

ITEM	UNIT	TOTAL
UNCLASSIFIED EXCAVATION	C.Y.	470.00
STRUCTURAL EXCAVATION UNCLASSIFIED	C.Y.	85.00
CLASS AA CONCRETE	C.Y.	190.50
REINFORCING STEEL	LB.	35,380.00
TYPE I-A PLAIN RIPRAP	TONS	360.00
TYPE I-A FILTER BLANKET	TONS	85.00
REMOVAL OF BRIDGE ITEMS	L. SUM	1.00

BRIDGE "A" U.S.-277 OVER UNNAMED CREEK <b>GENERAL PLAN AND ELEVATION</b> EXTEND EXISTING 2-10'X10' RCB TO CLEAR ZONE (UPSTREAM) @ C.R.L. STA. 114+82.41	COMANCHE COUNTY		Design	MLC	09/16
	Detail	GLB	09/16		
	Check	DAH	04/17		
	Squad	HARJO			
Engr: MOLLA-ESMAIL					
<b>STATE OF OKLAHOMA</b> DEPARTMENT OF TRANSPORTATION JOB/PIECE NO. 27968(04)		SHEET NO. B001			