



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001621

Description:

ROW Plans 11X17

Route # and Mile Points:

US 84

Originating Office:

ROW/Survey

File Name:

BRF 084-1(2)_ROW(.PDF)

Box Location:

26 of 38

STATE DEPARTMENT OF HIGHWAYS DIVISION OF HIGHWAYS—STATE OF COLORADO

ROW & UTILITIES
Purchased under
BRF 084-1(1)
PE under BRF 084-1(1)

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
VIII	COLORADO	BRF 084-1(2)	1

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

REVISIONS		

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. BRF 084-1(2) STATE HIGHWAY NO. 84 ARCHULETA COUNTY

INDEX OF SHEETS

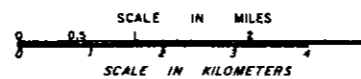
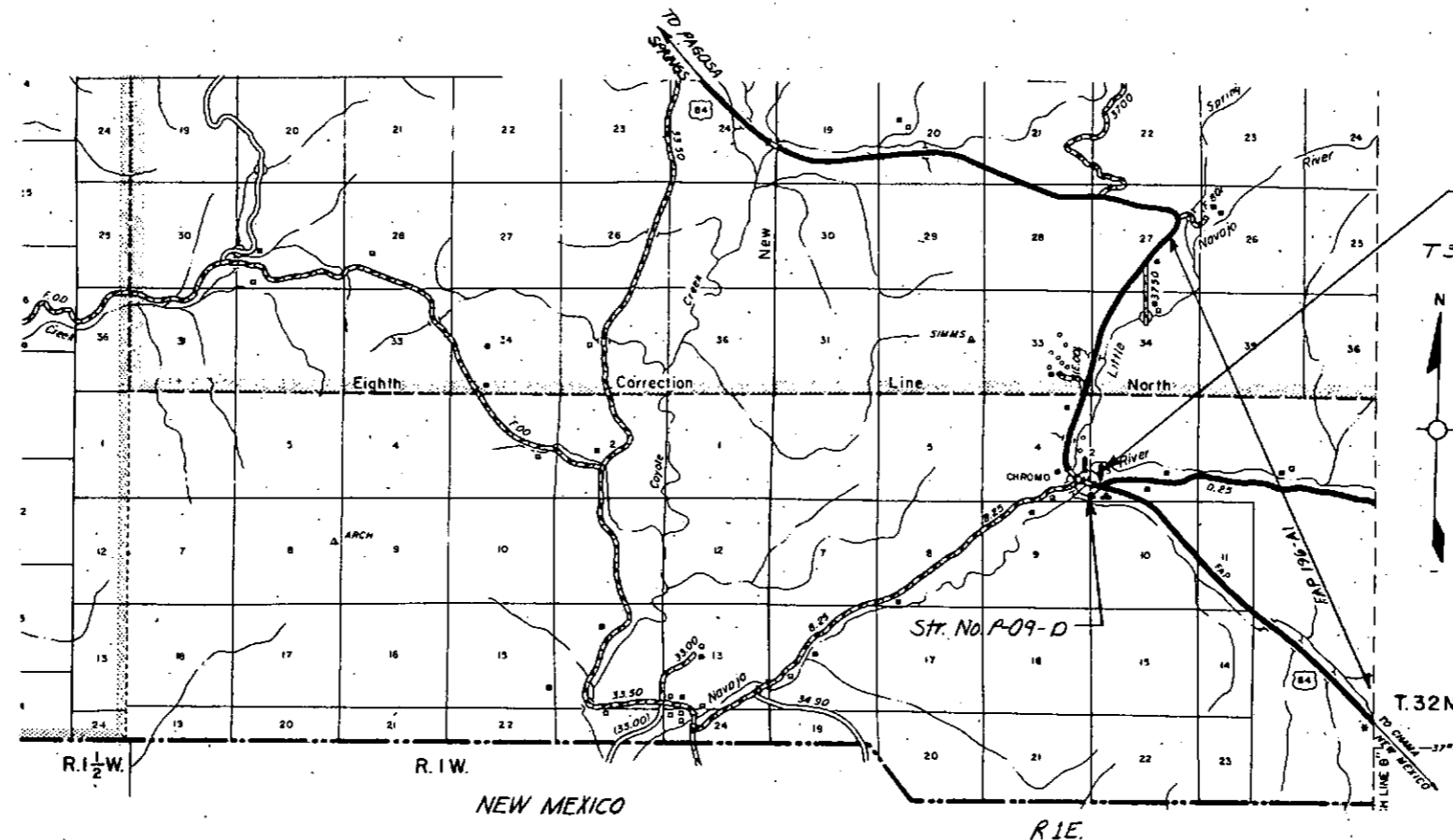
SHEET NO.	DESCRIPTION
1	TITLE PAGE.
2	STANDARD PLANS LIST
3	TYPICAL SECTIONS
4	SUMMARY OF EARTHWORK AND GENERAL NOTES
5-6	SUMMARY OF APPROXIMATE QUANTITIES
7	STRUCTURE QUANTITIES
8	FENCING REQUIREMENTS, SUBBASE AND SURFACING PLAN, TABULATION OF GUARD RAIL AND CONSTRUCTION TRAFFIC CONTROL DEVICES.
9	LANDSCAPE PLAN
10-22	DETAIL OF STRUCTURE NO. P-09-D
23	PLAN SHEET
24	MAINLINE PROFILE
25	DETOUR PROFILE

NEW STANDARD
M-606-12 GUARD RAIL—TYPE 4
CONCRETE BARRIER (9 SHEETS) FEB 18, 1983

TABULATION OF LENGTH AND DESIGN DATA

STATION	LINEAR FEET	
	ROADWAY	MAJOR STRUCTURE
STA 7+00, MP 4.39 BEGIN PROJECT BRF 084-1(2) = STA 230+59 ON FAP 196-A(1) = STA 50+00 BEGIN DETOUR	645.00	
STATION 13+45.00 BEGIN STR. NO. P-09-D ACROSS NAVAJO RIVER STATION 14+46.53 END STR. NO. P-09-D	453.47	101.53
STA 19+00, MP 4.62 END PROJECT BRF 084-1(2) = STA 242+59 ON FAP 196-A(1) = STA 42+10 END DETOUR (S.S.R.)		
TOTALS	1098.47	101.53
SUMMARY	LN. FT.	MILES
ROADWAY (NET LENGTH)	1098.47	0.208
MAJOR STRUCTURE	101.53	0.019
TOTAL (GROSS LENGTH)	1200.00	0.227
DESIGN DATA		
MAXIMUM GRADE	=	1.02%
MAXIMUM DEGREE CURVE	=	NA
MINIMUM SSD (VERTICAL)	=	NA
MINIMUM SSD (HORIZONTAL)	=	NA
MAXIMUM DESIGN SPEED	=	60 MPH
2003 DESIGN TRAFFIC VOLUMES	ADT =	1000
	DHV =	160

SCALES OF ORIGINAL DRAWINGS
ON PLAN, 1 IN. = 50 FT.
ON PROFILE { 1 IN. = 50 FT. HORIZONTAL
 1 IN. = 5 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD



DIVISION OF HIGHWAYS	
APPROVED:	P-25-85 DATE
<i>J.E. Shields</i> Asst. CHIEF ENGINEER	
AS CONSTRUCTED INFORMATION	
CONTRACTOR	ENGINEER
(Project or Resident)	
PROJECT STARTED	PROJECT COMPLETED
AS CONSTRUCTED PLANS APPROVED	
TITLE	DATE

JLH

AS CONSTRUCTED
 NO REVISIONS REVISED VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLORADO	BRF 084-1 (2)	9	

NAVAJO RIVER BRIDGE

PLANT MATERIALS SUMMARY					
COMMON NAME	BOTANIC NAME	SIZE	QUANTITY	REMARKS	
NARROWLEAF COTTONWOOD	POPULUS ANGUSTIFOLIA	1 1/2" C	11	B: B	
PUSH CINQUEFOIL	POTENTILLA FRUTKOSA	18"	15		
WILD ROSE	ROSA ACICULARIS	12"	13	2' O.C.	
COYOTE WILLOW	SALIX EXIGUA	3'	50	2' O.C.	

- NOTES:
- NO PARE ROOT MATERIAL WILL BE ACCEPTED.
 - FERTILIZER TABLETS: 21 GRAM TABLETS SHALL HAVE A 20-10-5 ANALYSIS AND SHALL BE APPLIED TO PLANTS AT THE FOLLOWING RATES: BALL: DURLAP STOK - 1 TABLET PER 1/2" CALIPER
 - FERTILIZER TABLETS SHALL BE INCLUDED IN THE PRICE OF THE WORK
 - ALL WIRE BASKETS ON B: B TREES SHALL BE REMOVED PRIOR TO BACKFILLING

DETOUR

$\Delta = 19^\circ 16' 32.2''$
 $D = 8^\circ 00' 00''$
 $T = 121.622'$
 $L = 240.945'$
 $R = 716.197'$

STA 7+00 MP 439
 Begin BRF 084-1(2)
 Sta 230+59 On FAP 196-A(1) =
 Sta. 50+00 Begin Detour

STA 19+00, M.P. 4.62
 End BRF 084-1(2)
 Sta 242+59 On FAP 196-A(1) =
 Sta 62+10 End Detour (3.5' RT)

DETOUR

$\Delta = 8^\circ 35' 12.5''$
 $D = 8^\circ 00' 00''$
 $T = 53.768'$
 $L = 107.335'$
 $R = 716.197'$

DETOUR

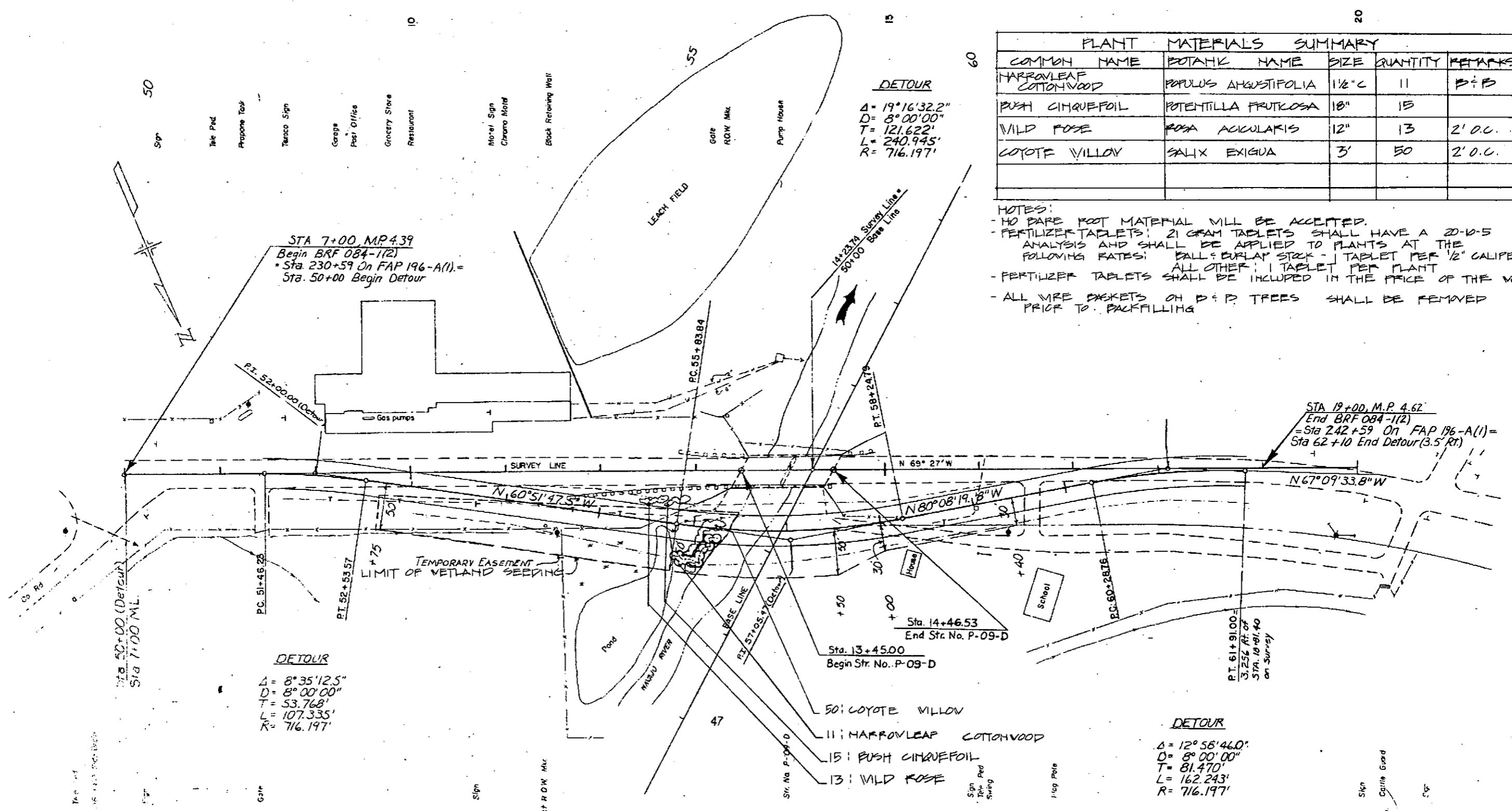
$\Delta = 12^\circ 56' 46.0''$
 $D = 8^\circ 00' 00''$
 $T = 81.470'$
 $L = 162.243'$
 $R = 716.197'$

- 50: COYOTE WILLOW
- 11: NARROWLEAF COTTONWOOD
- 15: PUSH CINQUEFOIL
- 13: WILD ROSE

LANDSCAPE PLAN

BM No 2 Elev. 7291.61
 ROW Max 50' Rt. Sta 11+40

BM No 3 Elev. 7293.32
 Spike in P.P. 100' Rt. Sta. 20+00



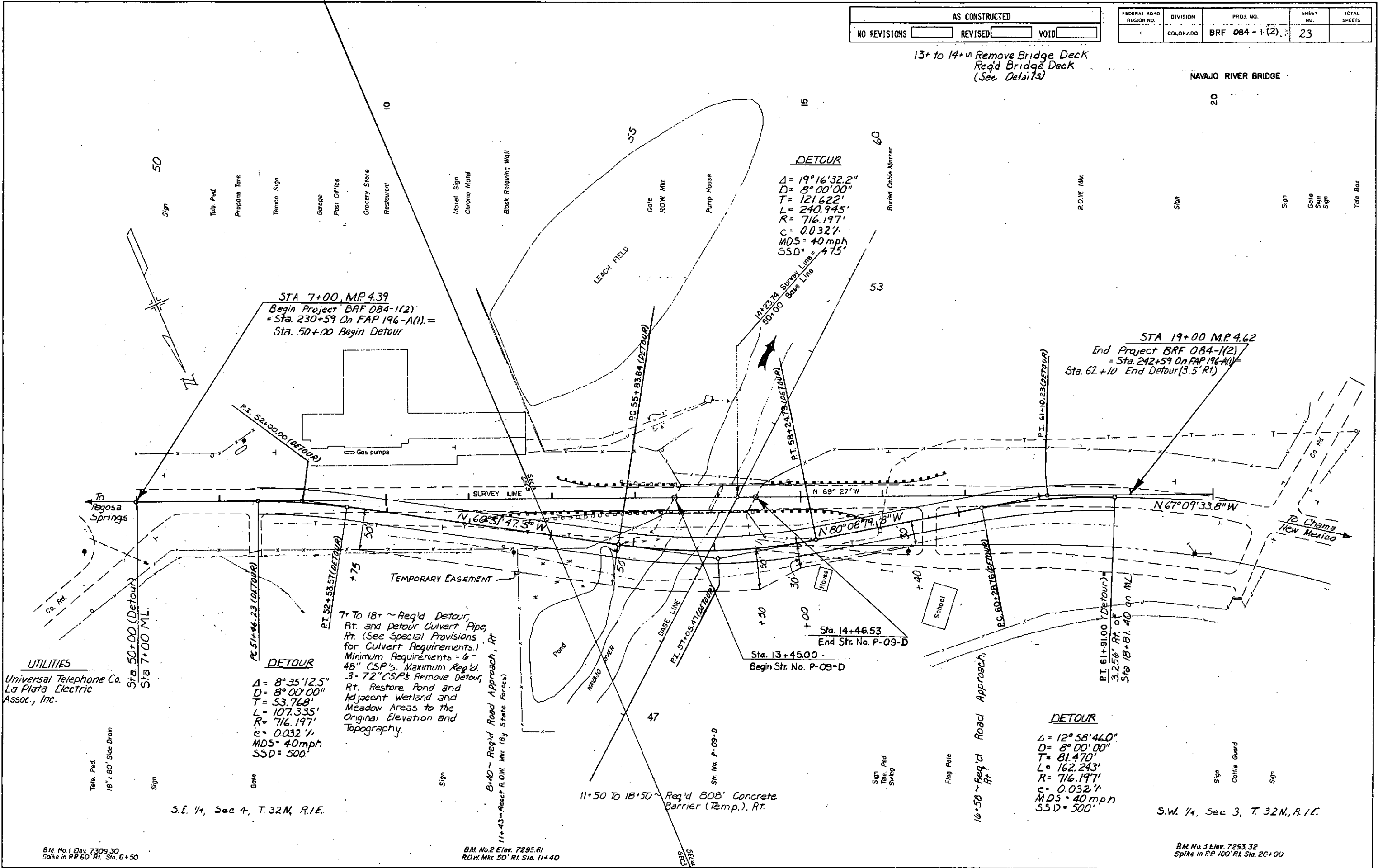
AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	BRF 084-1(2)	23	

13+ to 14+ ~ Remove Bridge Deck
 Reqd Bridge Deck
 (See Details)

NAVAJO RIVER BRIDGE

PLAN	DATE	BY
NO. 3277	10/16	J. D. DICK
NOTE BOOK		
NO. 3277		



DETOUR
 $\Delta = 19^\circ 16' 32.2''$
 $D = 8^\circ 00' 00''$
 $T = 121.622'$
 $L = 240.945'$
 $R = 716.197'$
 $e = 0.032\%$
 $MDS = 40 \text{ mph}$
 $SSD = 475'$

STA 7+00 M.P. 4.39
 Begin Project BRF 084-1(2)
 = Sta. 230+59 On FAP 196-A(1) =
 Sta. 50+00 Begin Detour

STA 19+00 M.P. 4.62
 End Project BRF 084-1(2)
 = Sta. 242+59 On FAP 196-A(1) =
 Sta. 62+10 End Detour (3.5' Rt.)

DETOUR
 $\Delta = 8^\circ 35' 12.5''$
 $D = 8^\circ 00' 00''$
 $T = 53.768'$
 $L = 107.335'$
 $R = 716.197'$
 $e = 0.032\%$
 $MDS = 40 \text{ mph}$
 $SSD = 500'$

DETOUR
 $\Delta = 12^\circ 58' 46.0''$
 $D = 8^\circ 00' 00''$
 $T = 81.470'$
 $L = 162.243'$
 $R = 716.197'$
 $e = 0.032\%$
 $MDS = 40 \text{ mph}$
 $SSD = 500'$

7+ To 18+ ~ Req'd Detour, Rt. and Detour Culvert Pipe, Rt. (See Special Provisions for Culvert Requirements.) Minimum Requirements = 6" 48" CSP's. Maximum Req'd. 3-72" CSP's. Remove Detour, Rt. Restore Pond and Adjacent Wetland and Meadow Areas to the Original Elevation and Topography.

11+50 To 18+50 ~ Req'd 808' Concrete Barrier (Temp.), Rt.

UTILITIES
 Universal Telephone Co.
 La Plata Electric
 Assoc., Inc.

S.E. 1/4, Sec 4, T. 32N, R. 1E.

S.W. 1/4, Sec 3, T. 32N, R. 1E.

BM No. 1 Elev. 7309.30
 Spike in RR 60 Rt. Sta. 6+50

BM No. 2 Elev. 7295.61
 R.O.W. Mkr 50' Rt. Sta. 11+40

BM No. 3 Elev. 7293.32
 Spike in RR 100' Rt. Sta. 20+00

AS CONSTRUCTED

NO REVISIONS REVISED VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
XIII	COLORADO	BRF 084-1(2)	24	

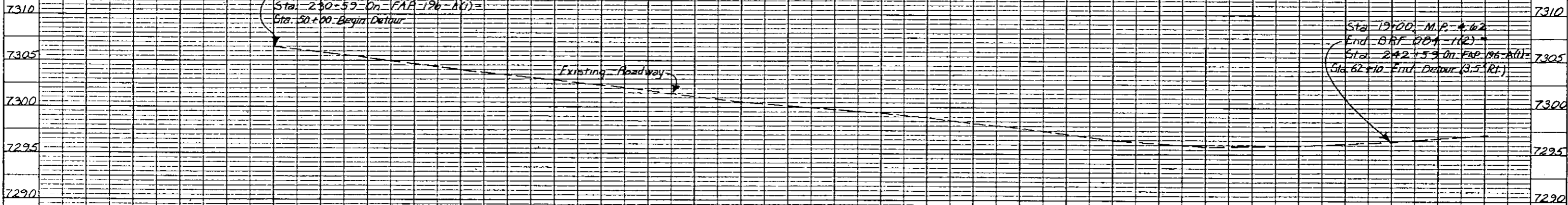
Mainline Profile

The Profile Grade Will Be 1/2" Above The Existing Roadway Grade

Sta. 7+00, M.P. 4.39
 Begin BRF 084-1(2)
 Sta. 2+30-59 On F.A.P. 196-8(1)
 Sta. 50+00 Begin Detour

Existing Roadway

Sta. 19+00, M.P. 4.62
 End BRF 084-1(2)
 Sta. 2+2+59 On F.A.P. 196-8(1)
 Sta. 62+10 End Detour (3.5 Rt.)



PROFILE

NO. 5299	DATE
PLOTTED	BY
GRADE CHECKED	BY
STRUCTURE DRAINING CHECKED	DATE

FINAL SURVEY
DATE: 1/22/62
BY: [Signature]
CHECKED: [Signature]

ORIGINAL SURVEY
DATE: 1/22/62
BY: [Signature]
CHECKED: [Signature]

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
XII	COLO.	BRF 084-112	25	
AS CONSTRUCTED				
NO REVISIONS	REVISED	VOIDS		

Navajo River Bridge
Debar profile

Original Scale: 1" = 50' Horizontal
1" = 10' Vertical

