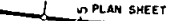
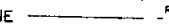
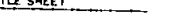
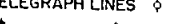
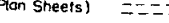


COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0001 (17) STATE HIGHWAY NO. 51 305 CHEYENNE COUNTY

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLORADO	S 0001 (17)	1	

CONVENTIONAL SIGNS

CENTER LINE  PLAN SHEET TITLE SHEET
RIGHT OF WAY LINE  R.O.W. MARKER
CITY LIMITS 
TOWNSHIP OR RANGE LINE 
LAND LINES  SECTION LINE 1/4 SECTION LINE 1/8 SECTION LINE
RAILROAD  TITLE SHEET PLAN SHEET
BARBED WIRE FENCE 
COMBINATION WIRE FENCE 
TELEPHONE & TELEGRAPH LINES 
POWER LINE 
PRESENT ROAD (Plan Sheets) 

SCALES OF ORIGINAL DRAWINGS

ON PLAN 1 IN = 100 FT
ON PROFILE 1 IN = 100 FT HORIZONTAL
1 IN = 10 FT VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT 52 ROADWAY 23220 FT = 0.440 MILES
NET LENGTH OF PROJECT 24 ROADWAY 6030 FT = 0.114 MILES 2,9250 FT = 0.554 MILES

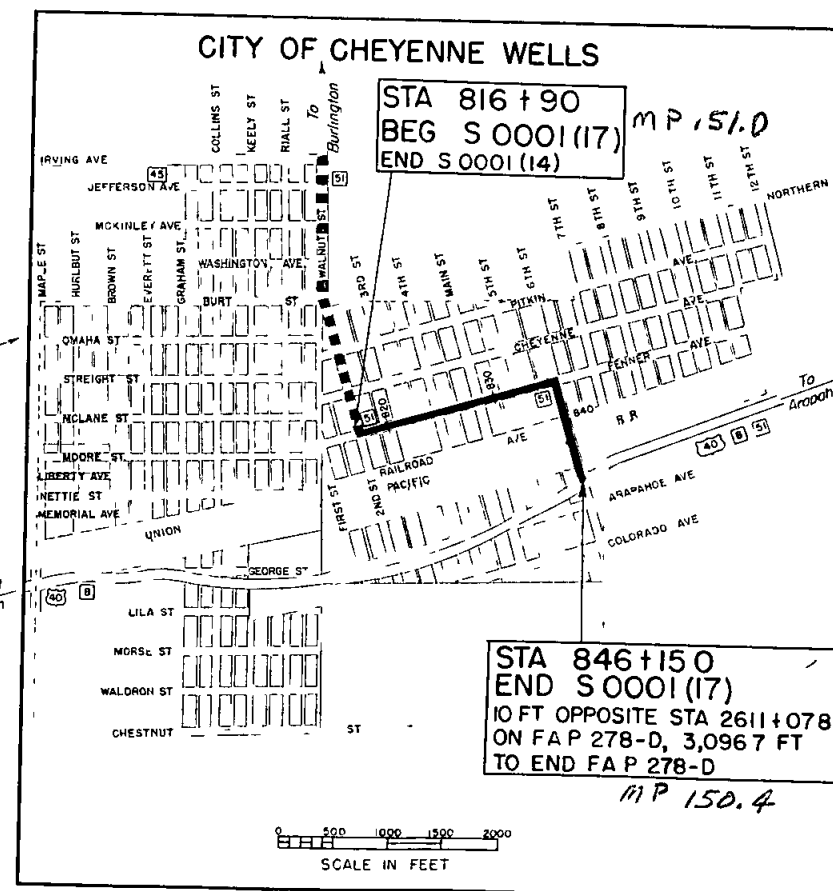
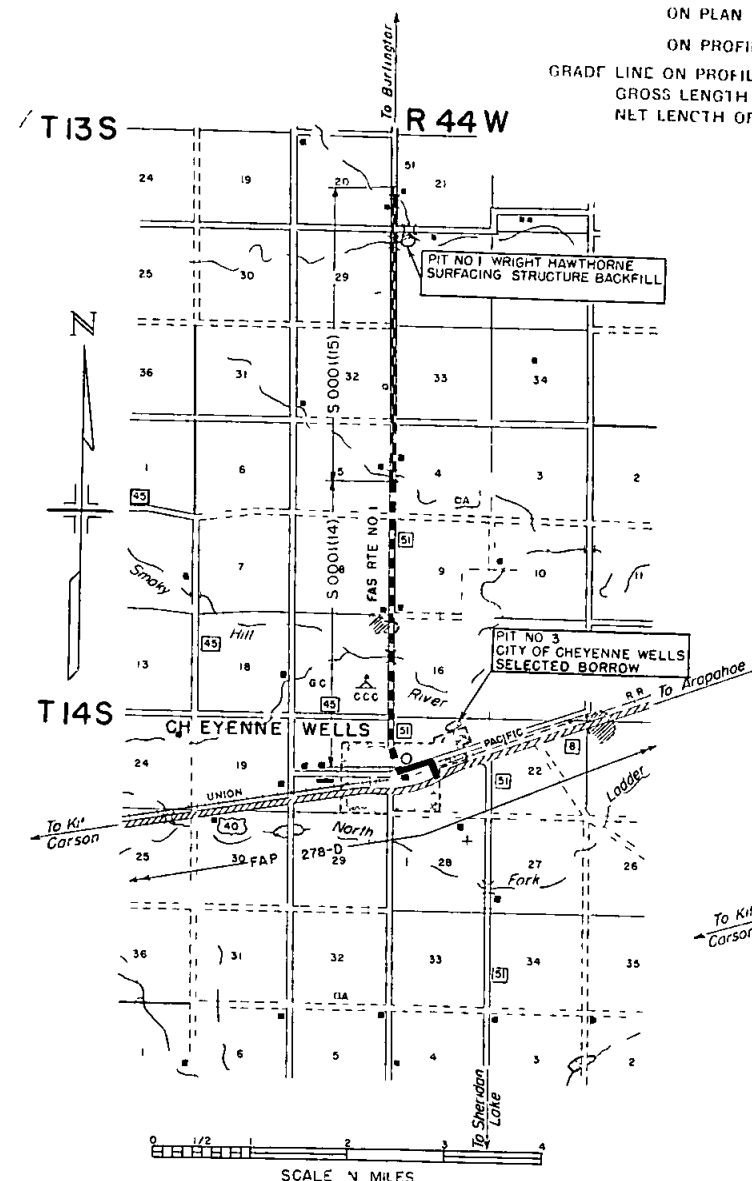
INDEX OF SHEETS

- SHEET NO
- 1 SKETCH MAP TITLE PAGE AND TABULATION OF LENGTH AND DESIGN DATA
 - 2 TYPICAL SECTIONS, GENERAL NOTES AND SUMMARY OF APPROXIMATE QUANTITIES
 - 3 SURFACING AND SELECTED BORROW PLANS AND PIT LOCATIONS
 - 4 LIST OF STRUCTURES
 - 5 STANDARD NO 12 AND NO 13 CONCRETE INLETS
 - 6 STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS
 - 7 STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS
 - 8-9 ALIGNMENT PLAN AND PROFILE
 - 10-20 CROSS SECTIONS

M-12-D13

M 29-A

M-107-C



TABULATION OF LENGTH AND DESIGN DATA

STATION	52 FT ROADWAY LIN FT	24 FT ROADWAY LIN FT
Sta 816+90 BEGIN S 0001(17) End S 0001(14) 840+12	23220	6030
Sta 846+150 END S 0001(17) 10 ft opposite Sta 2611+078 on FAP 278-D, 3,096.7 ft to End of FAP 278-D		
TOTALS	2,3220	6030
SUMMARY	LIN FT	MILES
S 0001(17) 52 Ft Roadway	2,3220	0.440
S 0001(17) 24 Ft Roadway	6030	0.114
TOTAL S 0001(17) (Net & Gross Length)	2,9250	0.554
DESIGN DATA		
Maximum Degree of Curve	Street Corner	
Maximum Grade	20%	
Minimum N.P.S.D - Horizontal	Street Corner	
Minimum N.P.S.D - Vertical	530'	
Maximum Design Speed	City Street	

NOTICE TO BIDDERS

IT IS RECOMMENDED THAT BIDDERS ON THIS PROJECT GO OVER THE PLAN DETAILS WITH ONE OF THE FOLLOWING FIELD REPRESENTATIVES OF THIS DEPARTMENT

Mr Glen McEldowney, Construction Engineer, Denver, Colo
Mr TH Kilpatrick, Resident Engineer, Burlington, Colo

COLORADO DEPARTMENT OF HIGHWAYS

APPROVED

Mark A. Carpenter 6.4.53
CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER DATE

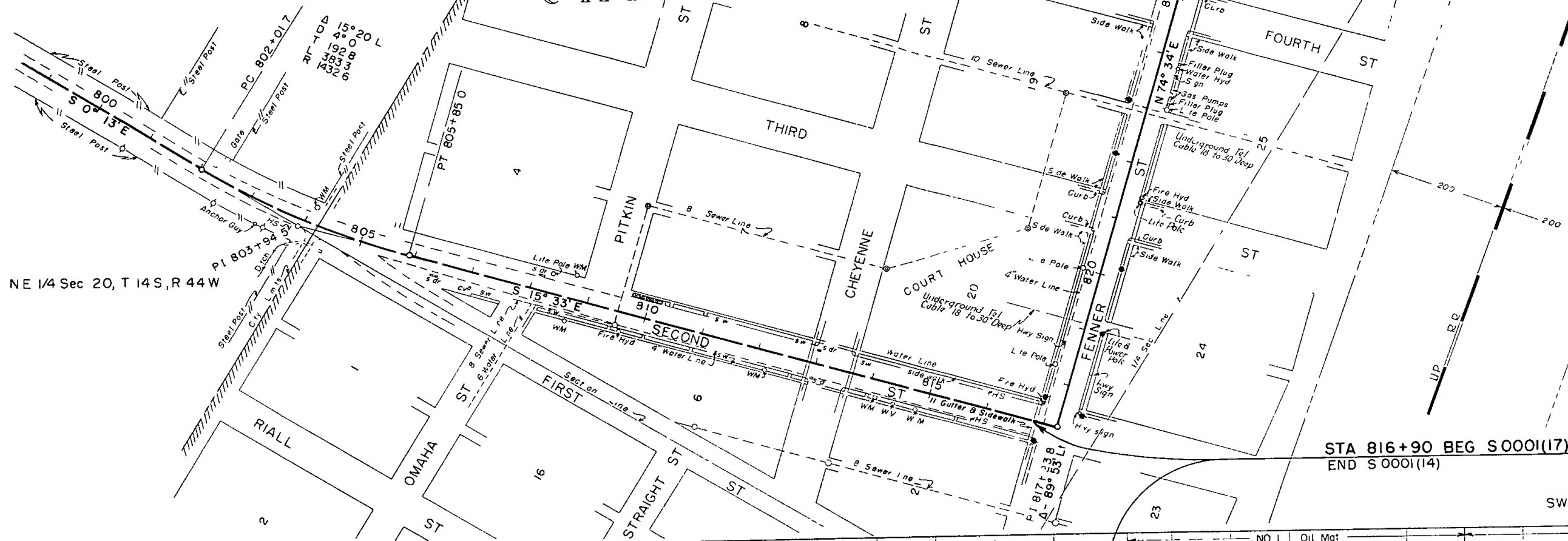
APPROVED

DIVISION ENGINEER DATE

NW 1/4 Sec 21, T 14 S, R 44 W

CHEYENNE WELLS

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO	S0001(17)	8	



STA 816+90 BEG S0001(17)
END S0001(14)

SW 1/4 Sec 21, T 14 S, R 44 W

NOTE
Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office

Soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction, the grading plan shown on plans will be modified where necessary to secure dense stable embankments.

NO 1	Oil Mat
NO 1A	A-2(4)
LL	21.2
PI	NP
%-200	28
CBR	83
NO 1B	A-6(4)
LL	29.7
PI	12.4
%-200	50
CBR	43
Design CBR = 43	

NO 2	Oil Mat
NO 2A	A-2(4)
	Similar to 1A
NO 2B	A-6(4)
	Similar to 1B
Design CBR = 83	

NOTE
It is estimated that the Excavation shown on profile Sta 816+90 to 840+12 is to provide for placing Selected Borrow and Surfacing Excavated material to be disposed of as directed by the Engineer

EXCAVATION
EMBANKMENT
EMBANKMENT FACTOR
EMBANKMENT x FACTOR

NPSD 530'

6210

825

830

N W 1/4 Sec 21, T 14 S, R 44 W

FORCE ACCOUNT (UPRR Co Forces)
842+~ Req'd Timber RR Grade
Crossing

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO	S 0001(17)	9	

CHEYENNE WELLS

FIFTH

SIXTH

FOURTH

CHEYENNE

MAIN

ST

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LENNER

ST

RAILROAD

UP RR

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