

COLORADO DEPARTMENT OF TRANSPORTATION

FED. ROAD REGION	DIVISION	PROJECT NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	CX-CY 44-0006-06		
AS CONSTRUCTED				
NO REVISIONS		REVISED	VOID	

DESCRIPTION OF PROJECT:

This project consists of 2.62 miles of Minor Widening, Overlay, and Reconstruction of S.H. 6 Approximately 3 Miles East of Avon in Eagle County. The work includes: Seeding, Earthwork, Stabilization, A.B.C., H.B.P., Guard Rail Type 3 and Type 4, Culvert Pipe, Pavement Marking.

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. CX-CY 44-0006-06 STATE HIGHWAY NO. 6 EAGLE COUNTY

SHEET NO.

INDEX OF SHEETS

1	TITLE SHEET
2	STANDARD PLANS LIST
3	GENERAL NOTES
4	TYPICAL SECTION, TYPICAL SECTION NOTES
5	TYPICAL SECTION, FULL-DEPTH REPLACEMENT
6-25	PLAN AND PROFILE 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

LENGTH AND DESIGN DATA

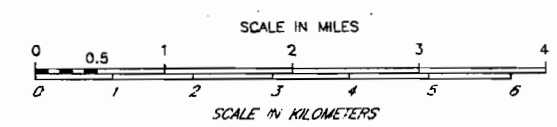
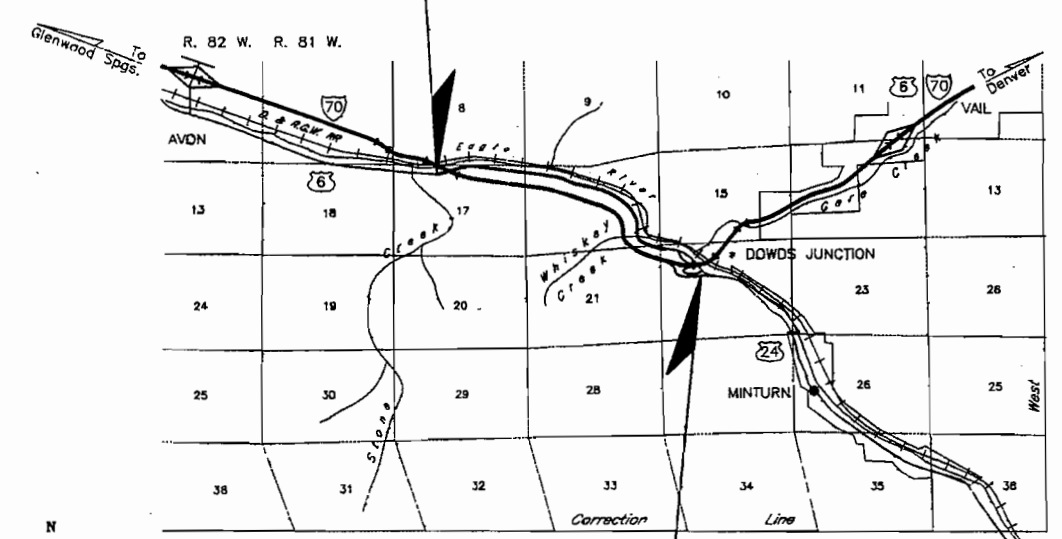
STATION	LINEAR FEET	
	ROADWAY	MAJOR STR.
Sta. 500+70.102 Begin Proj. CX-CY 44-0006-06	???????	
Sta. 639+50.00 End Proj. CX-CY 44-0006-06		
SUMMARY	LIN. FT.	MILES
ROADWAY (NET LENGTH)	13,873.000	2.627
DESIGN DATA		
Maximum Grade	5.226%	
Maximum Degree of Curve	8°15'00"	
Minimum S.S.D. - Horizontal		
Minimum S.S.D. - Vertical		
Maximum Design Speed	40 M.P.H.	
% Trucks		

LANE MILES = ?

Sta. 500+70.102 Begin Proj. CX-CY 44-0006-06 =

Sta. 108+90 on Proj. MP-CC 44-0006-05

Mile Post 172.1



Mile Post 174.584

Sta. 639+50.00 End Proj. CX-CY 44-0006-06 =

Sta. 235+00 on Proj. FR(CX) 024-1(25)

NEW AND REVISED STANDARDS:

M-620-2	FIELD LABORATORY CLASS 2...(1 SHEET)	5-25-88
M-606-12	GUARDRAIL, TYPE 4, CONCRETE BARRIER.....	(9 SHEETS) 2-18-83

AS CONSTRUCTED INFORMATION

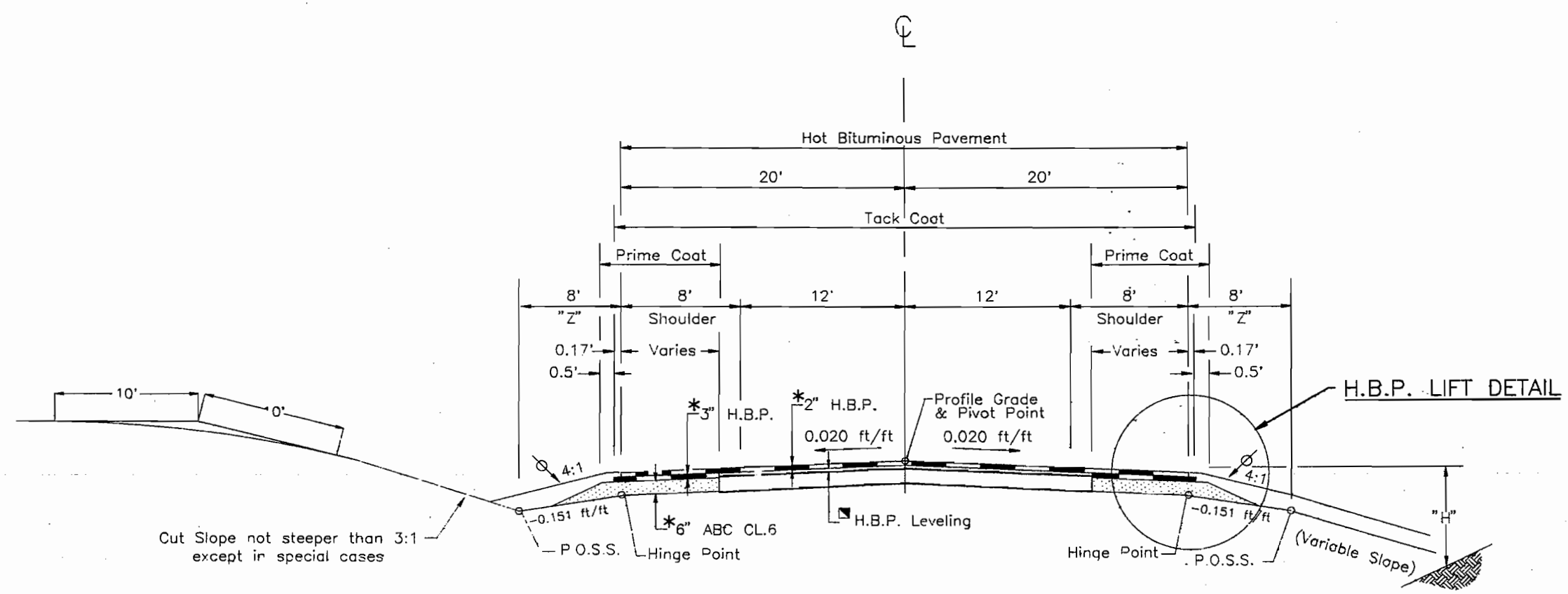
CONTRACTOR	_____
ENGINEER	_____
(Project or Resident)	_____
PROJECT STARTED	_____
PROJECT COMPLETED	_____
AS CONSTRUCTED PLANS	_____
APPROVED	_____
TITLE	_____
DATE	_____

DIST. III - G.S.M./D.C.M.

09/01/92 11:06:51 C:\92412\ TML 92412 H105

TYPICAL SECTION

Sta. 504+00 To Sta. 519+00
Sta. 543+00 To Sta. 569+50
Sta. 577+50 To Sta. 617+50
Sta. 626+00 To Sta. 636+50



Cut Slope not steeper than 3:1 except in special cases

- * Approximate thickness
- Contractor will be required to place topsoil to this line prior to completion of project.
- H.B.P. Leveling shall be used to remove longitudinal irregularities to insure a smooth riding surface. Areas for leveling will be as determined by the Engineer.

TYPICAL SECTION NOTES

The depth and width of the side ditch shall be varied where necessary to provide proper drainage.

Materials shall be placed in separate courses at the following approximate rates per 100 lin. ft. of roadway:

Hot Bituminous Pavement:	Top Layer	50 Tons
	Bottom Layer	20 Tons
Base Course		54 Tons

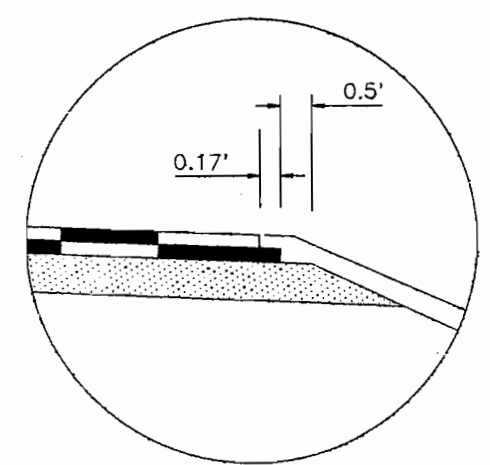
The rates shown have been determined from information available at the time of design. Rates should be adjusted during construction to obtain the required approximate thickness.

Fill Slopes:

- Slope 4:1 where "H" is less than 5'
- Slope 3:1 where "H" is 5' to 10'
- Slope 2:1 where "H" is 10 to 15'
- Slope 1 1/2:1 where "H" is over 15'

In special cases, slope may be steepened.

Break points on slopes and in the bottoms of ditches shall be rounded during construction for a pleasing appearance. See Standards for details of Cut Slope Treatment, Flaring and Widening.

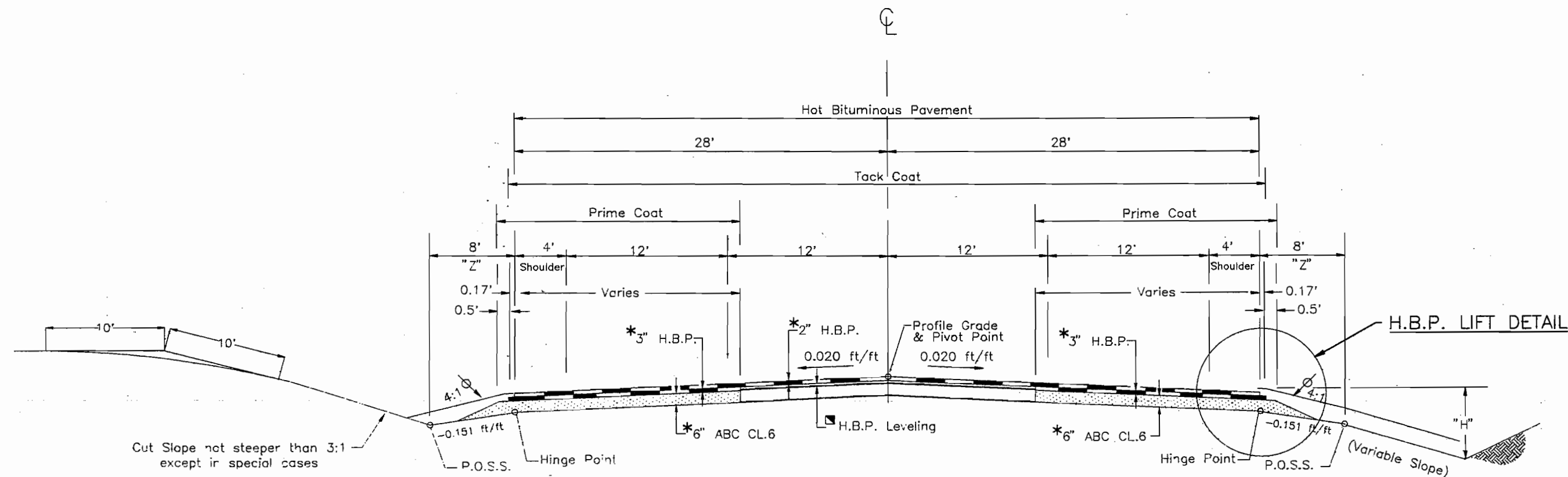


H.B.P. LIFT DETAIL

TYPICAL SECTION

Where Roadway is 56' wide

Sta. 500+70.102 to Sta. 504+00
Sta. 569+50 to Sta. 577+50
Sta. 617+50 to Sta. 626+00
Sta. 636+50 to Sta. 639+50



- * Approximate thickness
- Contractor will be required to place topsoil to this line prior to completion of project.
- H.B.P. Leveling shall be used to remove longitudinal irregularities to insure a smooth riding surface. Areas for leveling will be as determined by the Engineer.

TYPICAL SECTION NOTES

The depth and width of the side ditch shall be varied where necessary to provide proper drainage.

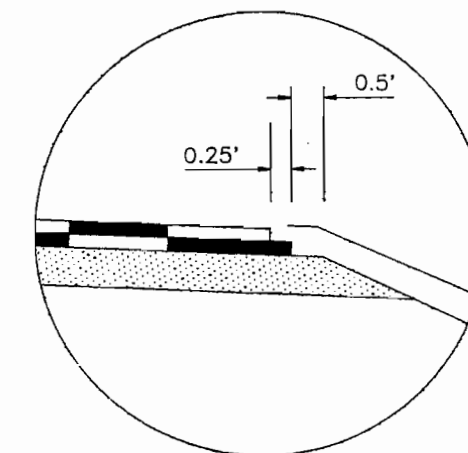
Materials shall be placed in separate courses at the following approximate rates per 100 lin. ft. of roadway:

Hot Bituminous Pavement: Top Layer _____ 70 Tons
Bottom Layer _____ 43 Tons
Base Course _____ 116 Tons

The rates shown have been determined from information available at the time of design. Rates should be adjusted during construction to obtain the required approximate thickness.

Fill Slopes:
Slope 4:1 where "H" is less than 5'
Slope 3:1 where "H" is 5' to 10'
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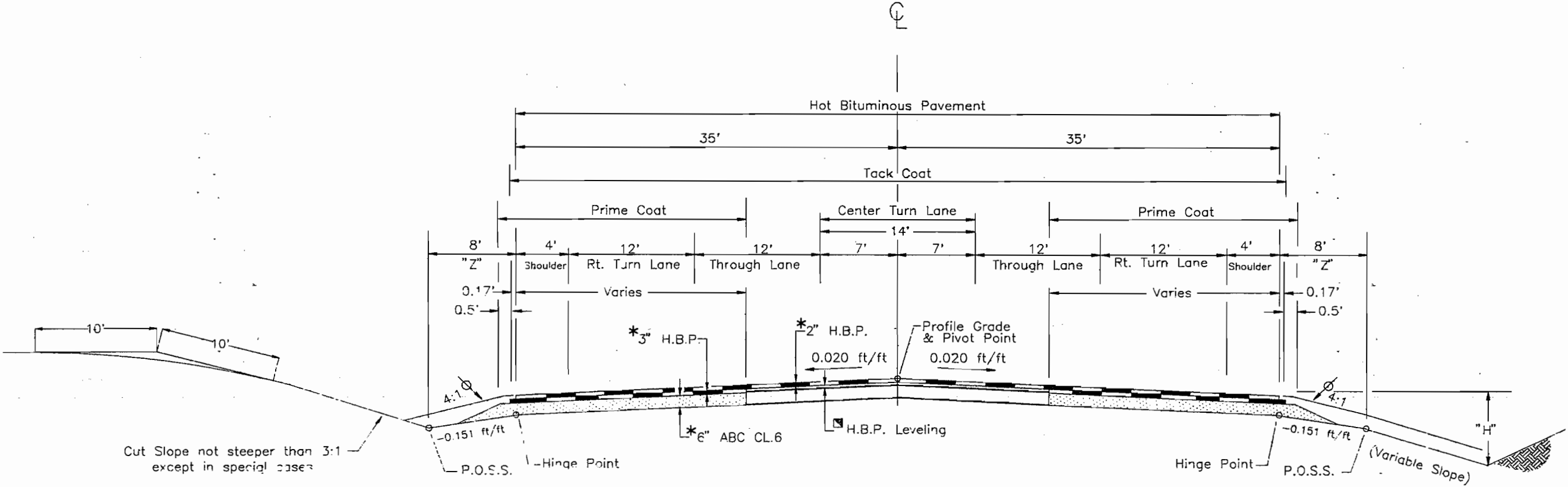


H.B.P. LIFT DETAIL

TYPICAL SECTION

Where Roadway is 70' wide

Sta. 519+00 to Sta. 541+00



- * Approximate thickness
- Contractor will be required to place topsoil to this line prior to completion of project.
- H.B.P. Leveling shall be used to remove longitudinal irregularities to insure a smooth riding surface. Areas for leveling will be as determined by the Engineer.

TYPICAL SECTION NOTES

The depth and width of the side ditch shall be varied where necessary to provide proper drainage.

Materials shall be placed in separate courses at the following approximate rates per 100 lin. ft. of roadway:

Hot Bituminous Pavement:	Top Layer	90 Tons
	Bottom Layer	60 Tons
Base Course		163 Tons

The rates shown have been determined from information available at the time of design. Rates should be adjusted during construction to obtain the required approximate thickness.

Fill Slopes:
Slope 4:1 where "H" is less than 5'
Slope 3:1 where "H" is 5' to 10'
Slope 2:1 where "H" is 10 to 15'
Slope 1 1/2:1 where "H" is over 15'
In special cases, slope may be steepened.

Break points on slopes and in the bottoms of ditches shall be rounded during construction for a pleasing appearance. See Standards for details of Cut Slope Treatment, Flaring and Widening.

Roadway Widening Details

AS CONSTRUCTED

NO REVISIONS ☐ REVISED ☐ VOID ☐

FED. ROAD REGION

VIII

DIVISION

COLO.

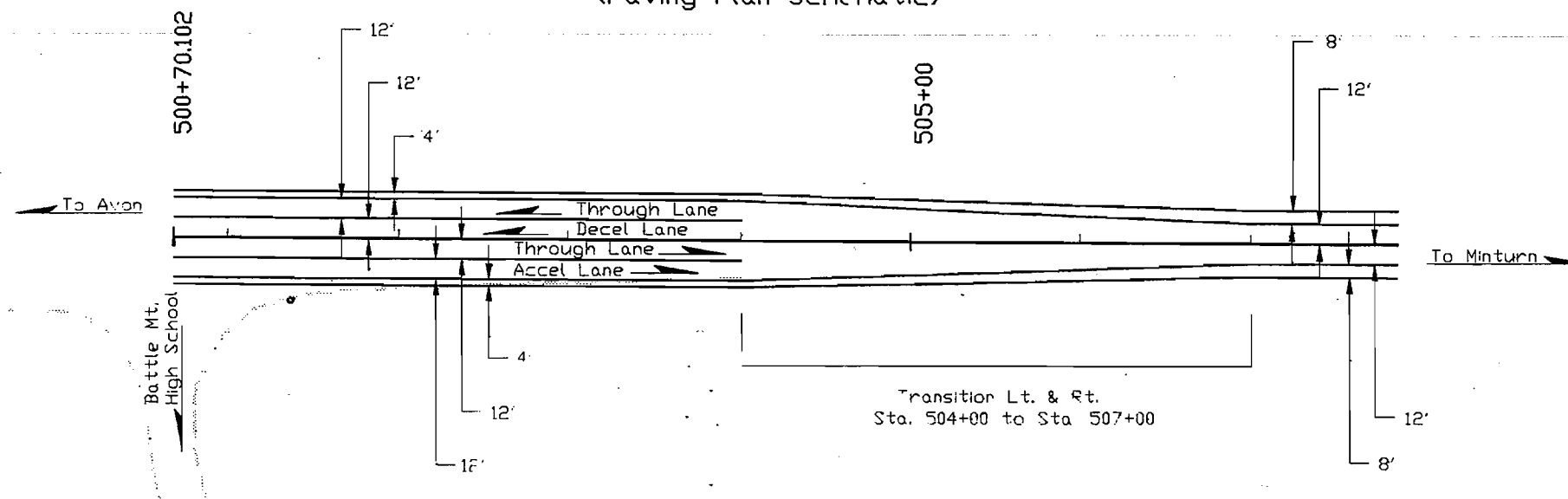
PROJECT NO.

CX-CY 44-0006-06

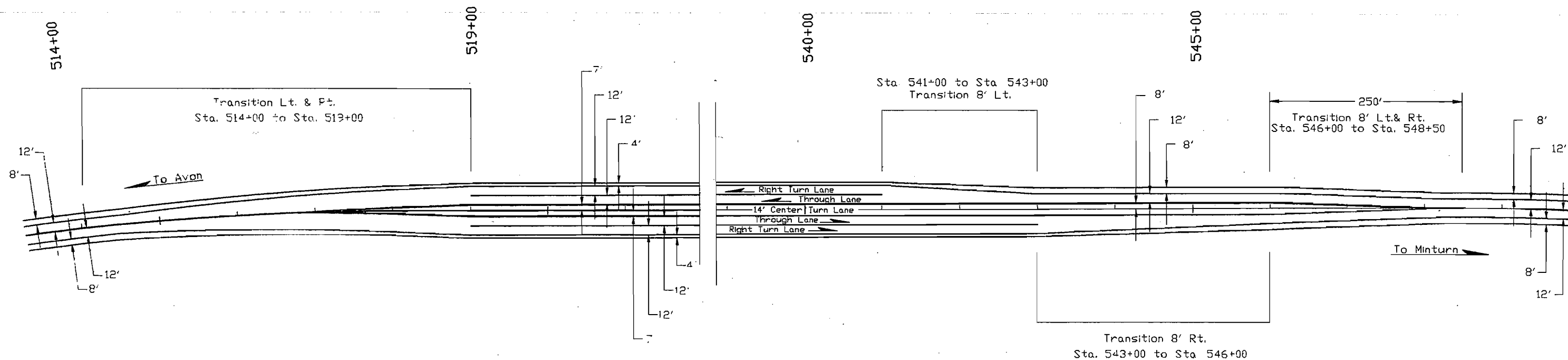
SHEET NO.

8

Intersection Layout for Battle Mountain High School Road (Paving Plan Schematic)



Intersection Layout for Eagle Vail Business District (Paving Plan Schematic)



Roadway Widening Details

AS CONSTRUCTED

NO REVISIONS ☐ REVISED ☐ VOID ☐

FED. ROAD
REGION

DIVISION

PROJECT NO.

SHEET
NO.

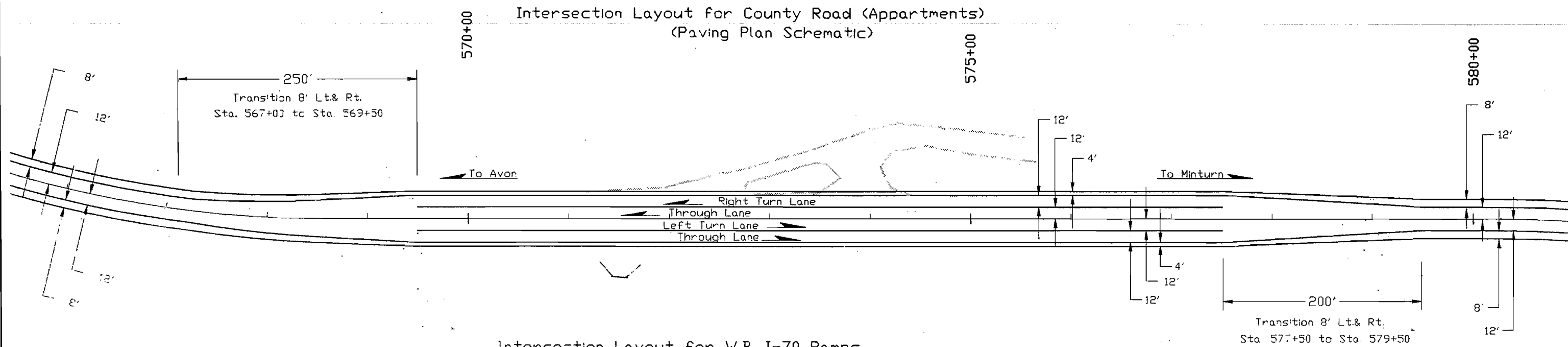
VIII

COLO.

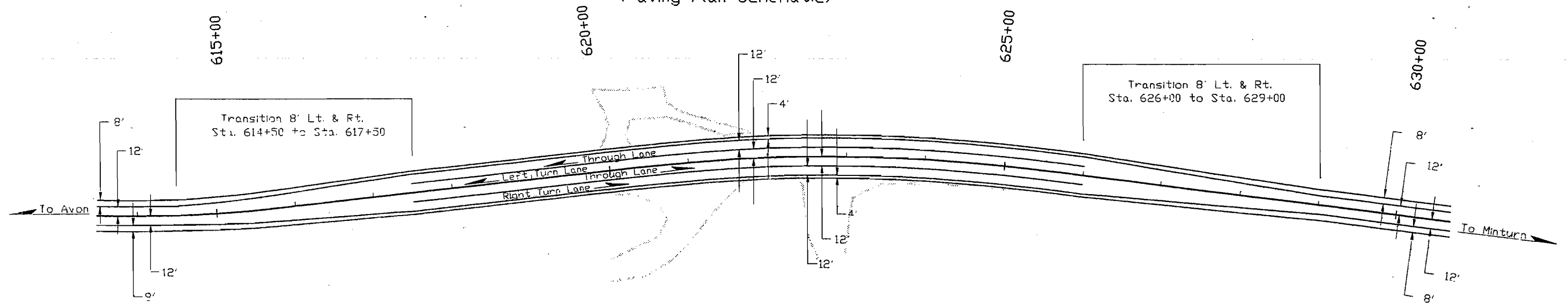
CX-CY 44-0006-06

9

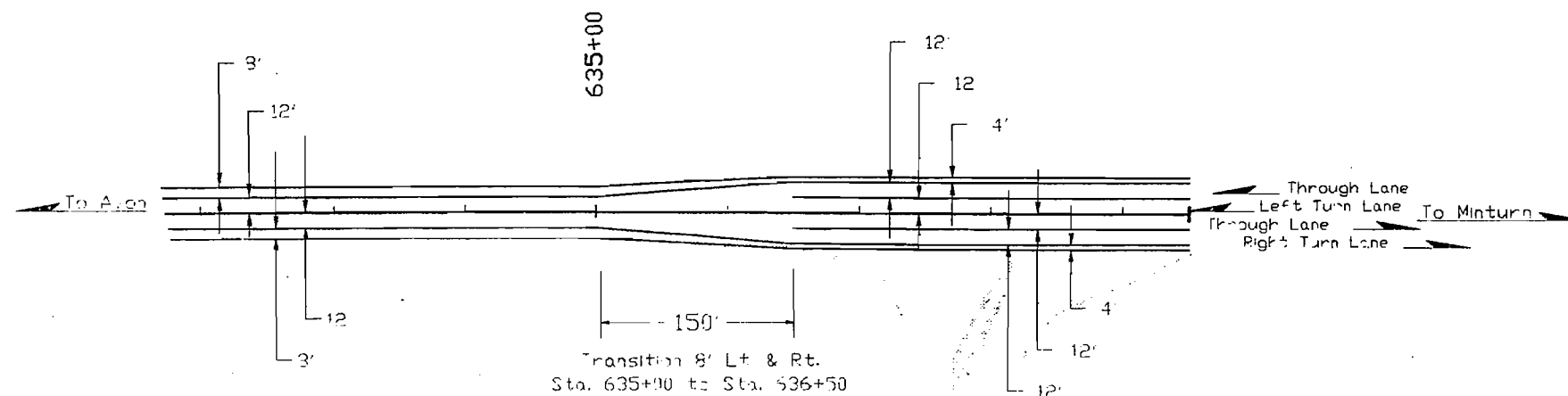
Intersection Layout for County Road (Appartments) (Paving Plan Schematic)



Intersection Layout for W.B. I-70 Ramps (Paving Plan Schematic)



Intersection Layout for E.B. I-70 Interchange (Paving Plan Schematic)



This set of plans is only preliminary and are subject to change. 4-13-93

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

54000N

2250E

22500E

23060E

23000E

23500E

2:3500E

510 Sign
54000N

53500N

Bridge Column	Bridge Column	Bridge Column	Bridge Column	Control Monument Road Approach
---------------	---------------	---------------	---------------	--------------------------------

510 Sign

PT 509+12.16
23796.060 E
53874.864 N

$$\begin{aligned}\Delta &= 1^{\circ}50'03'' \text{ Rt} \\ D_c &= 0^{\circ}30'00'' \\ T_c &= 183.44' \\ L_c &= 366.82' \\ R_c &= 11459.16'\end{aligned}$$

STA. 505+70.102 BEGIN CX-CY 44-0006-06

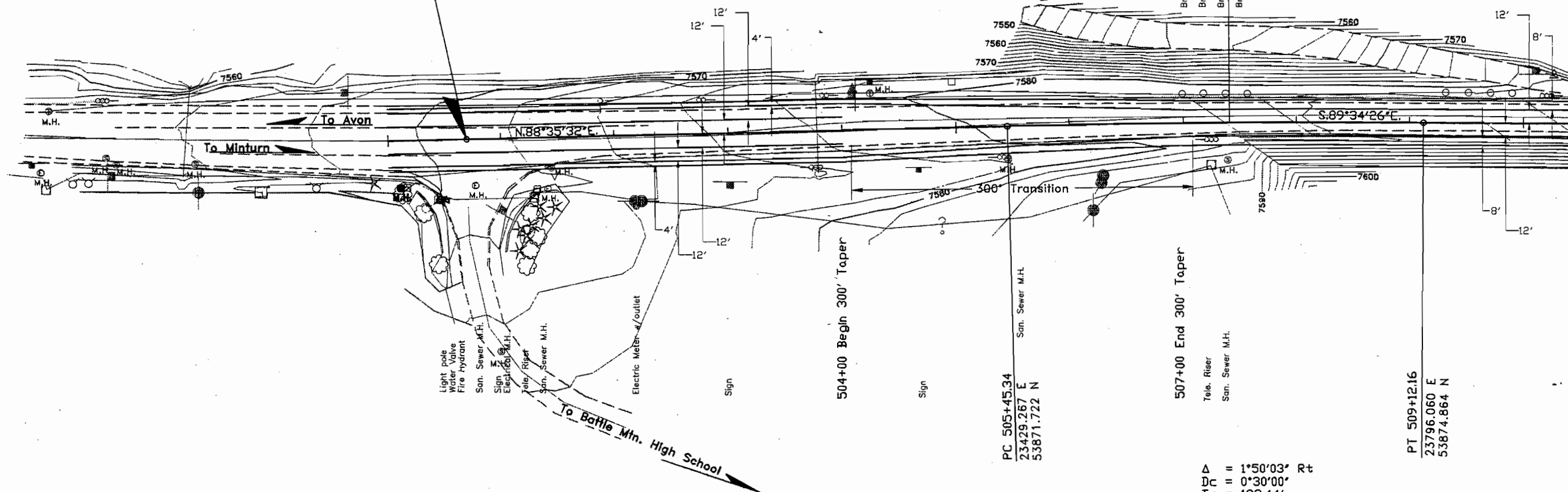
Mile Post 172.05

005

24" x 56" C.M.P. Cross Culvert

Control Monument
Sign
Sign505
Tele. Jct. BoxPI 507+28.76

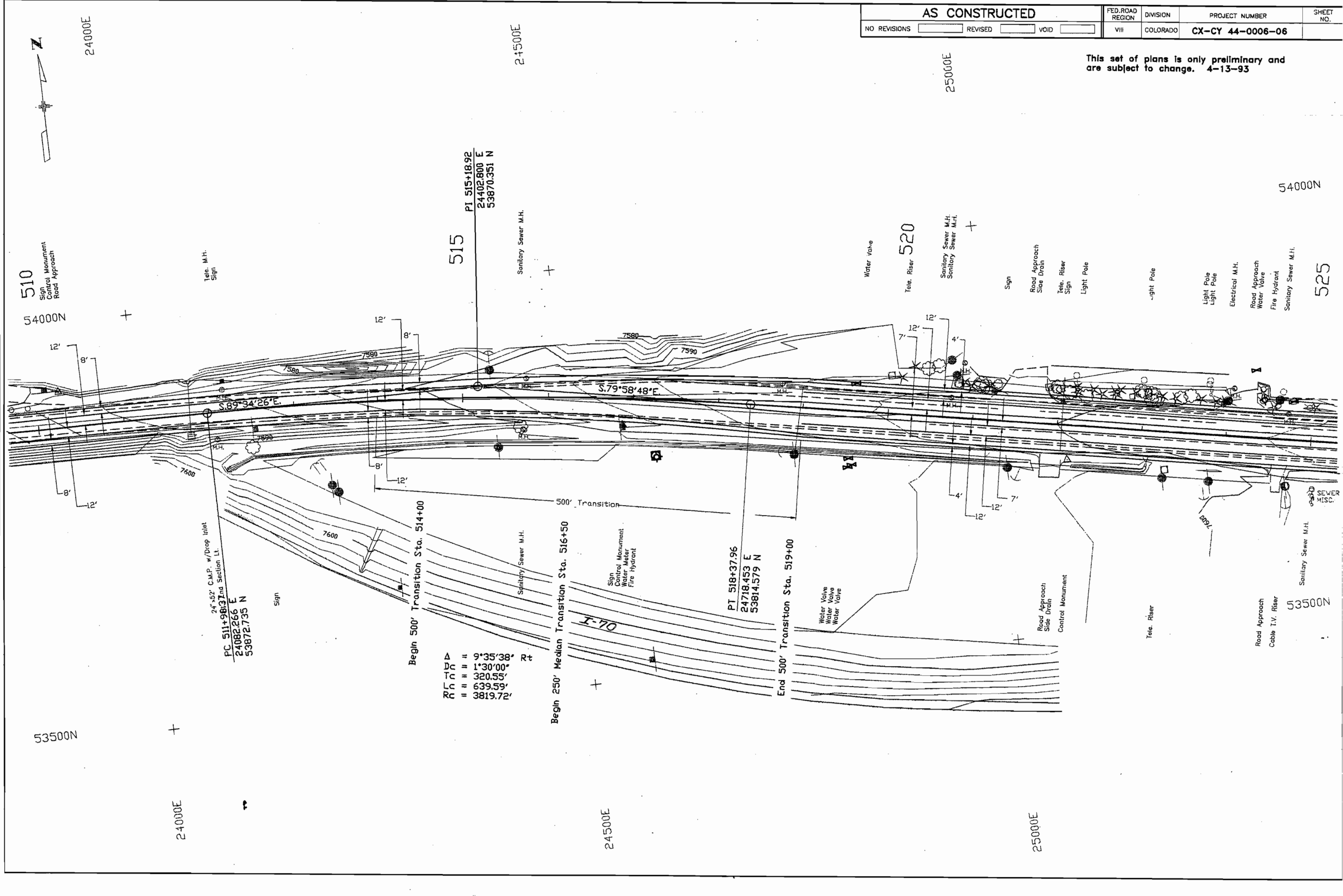
Sign



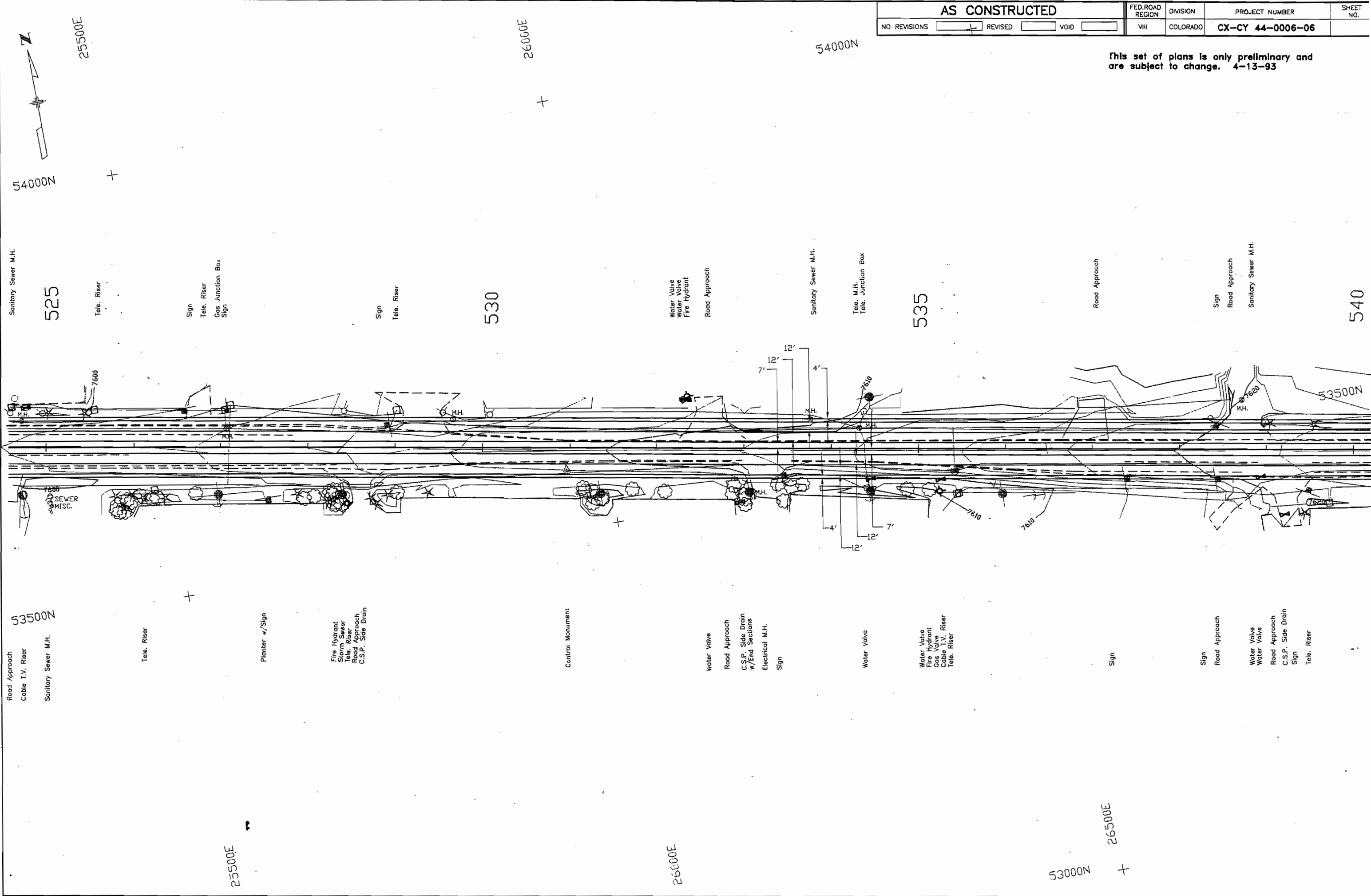
AS CONSTRUCTED				FED. ROAD REGION	DIVISION	PROJECT NUMBER	SHEET NO.
NO REVISIONS	REVISED	VOID		VIII	COLORADO	CX-CY 44-0006-06	

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PLAN	DATE
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
RT. OF WAY CHECKED	
NO.	



PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



PLAN	DATE
NO. _____	BY _____
NOTE BOOK _____	
SURVEYED _____	
PLOTTED _____	
ALIGNMENT CHECKED _____	
RT. OF WAY CHECKED _____	

540

53500N

53000N

27000E

Sta. 541+00 Beg. 200' Trans. Lt.

Control Monument

Road Approach
Electrical M.H.
Cable T.V. Riser
Sign
Fire Hydrant
Water Valve
Water Valve
Tele. Riser

27000E

Sta. 543+00 Beg. 300' Trans. Rt.

Sign
Sign
Sign
Sta. 543+00 End 200' Trans. Lt.
Tele. Riser
Transmission Tower
Road Approach
C.S.P. Side Drain

545

Sign
Road Approach

27500E

Sta. 546+00 Beg. 225' Median Trans.

Sta. 546+00 End 300' Trans. Rt.

Water Valve
Tele. Riser
Electrical Misc.
Electrical M.H.
Electrical M.H.
Cable T.V. Riser

Tele. M.H.

27500E

Sta. 548+25 End 225' Median Trans.

Tele. Riser

PC 548+86.72
27720.706 E
53284.120 N
Road Approach
C.S.P. Side Drain
Cable T.V. Riser

Sign
Tele. Riser
Sign

Billboard
Water Valve
Road Approach
Sign
Tele. Riser
Cable T.V. Riser
Fire Hydrant
Water Valve

Underground Fuel Tank

Cable T.V. Riser
Electrical Pull Box
Electrical Pull Box
Light Pole

$\Delta = 36^{\circ}12'04''$ Rt
 $Dc = 3^{\circ}00'00''$
 $Tc = 624.26'$
 $Lc = 1206.71'$
 $Rc = 1909.86'$

28000E

Control Monument

Light Pole
Fuel Valves
Fuel Shed

Tele. Riser

Culvert w/Hdwl. & Wgws. for Storage

Light Pole

Road Approach to CDOT
Maintenance Shop

555
PI 555+10.98

Tele. Riser

Road Approach
Sign
Tele. Riser
Cable T.V. Riser

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53500N

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PLAN	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NO.		

PI 555+10.98
28335.444 E
53175.504 N 555

Δ = 36°12'04" Rt
DC = 3°00'00"
TC = 624.26'
LC = 1206.71'
RC = 1909.86'

Road Approach
Sign
Tele. Riser
Cable T.v.
Tele. Riser
Road Approach

Billboard Sign
Water Valve

Light Pole

Light Pole

Sign

PT 560+93.42
28767.355 E
52724.778 N

Sanitary Sewer M.H.

Sign

24"x55" C.S.P. w/Broken Inlet Rt.

Sign
Water Valve

24"x65" C.S.P. w/Inlet Rt.
Skew = 61°

PI 565+66.39
29094.588 E
52383.290 N

Sta. 567+00 Beg. 250' Taper
250' Transition
Sta. 569+50 End 250' Taper

Sign

PC 564+08.61
28985.424 E
52497.208 N

Δ = 25°35'56" Lt
DC = 8°15'00"
TC = 157.78'
LC = 310.29'
RC = 694.49'

565

Sanitary Sewer M.H.

Sign
PT 567+18.90
29242.256 E
52327.719 N

Sanitary Sewer M.H.

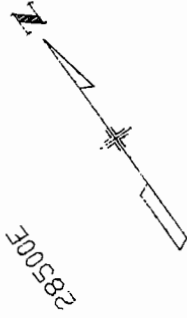
570

52000N

Sta. 569+50 End 250' Taper

53000N

52500N



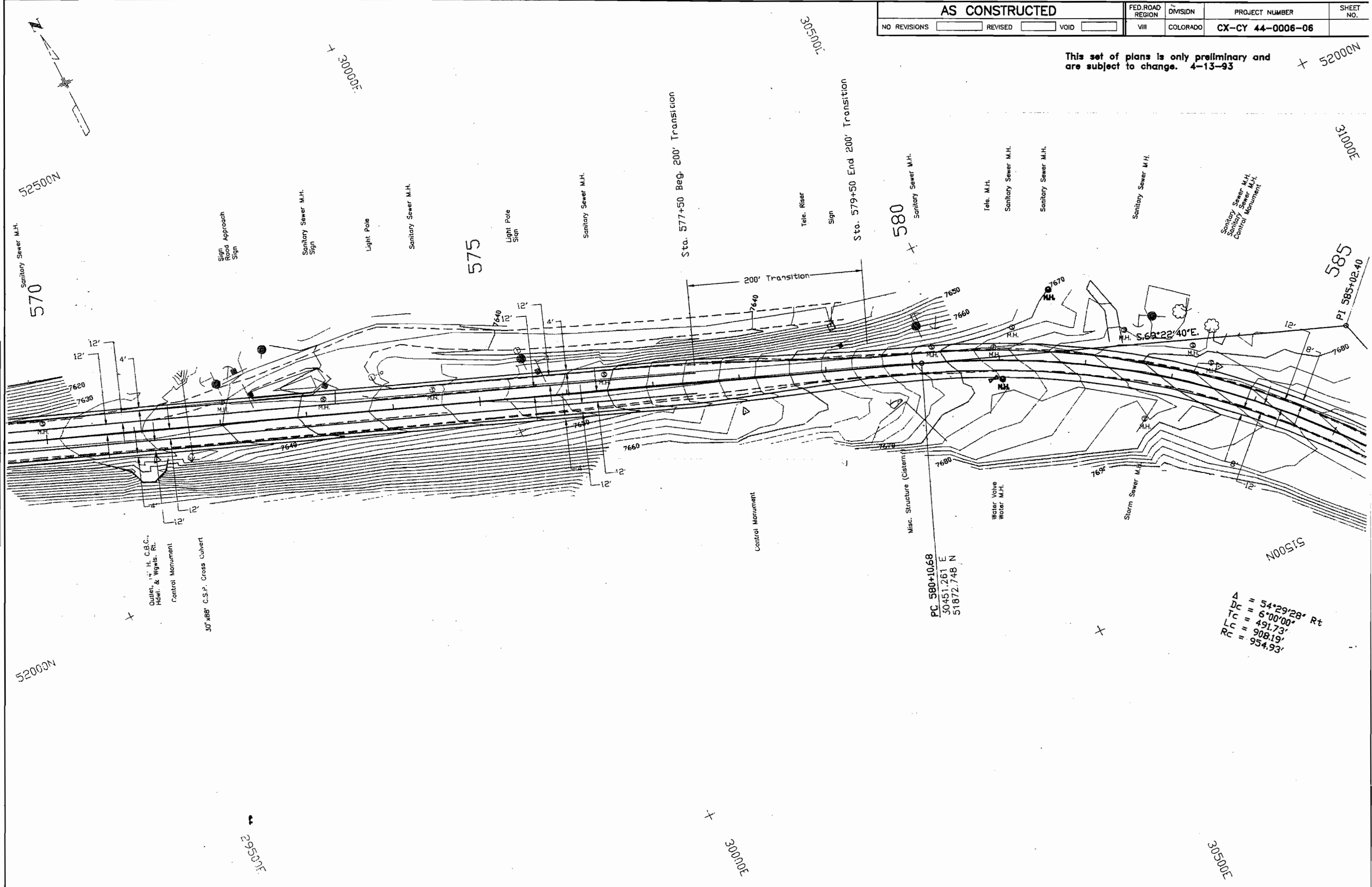
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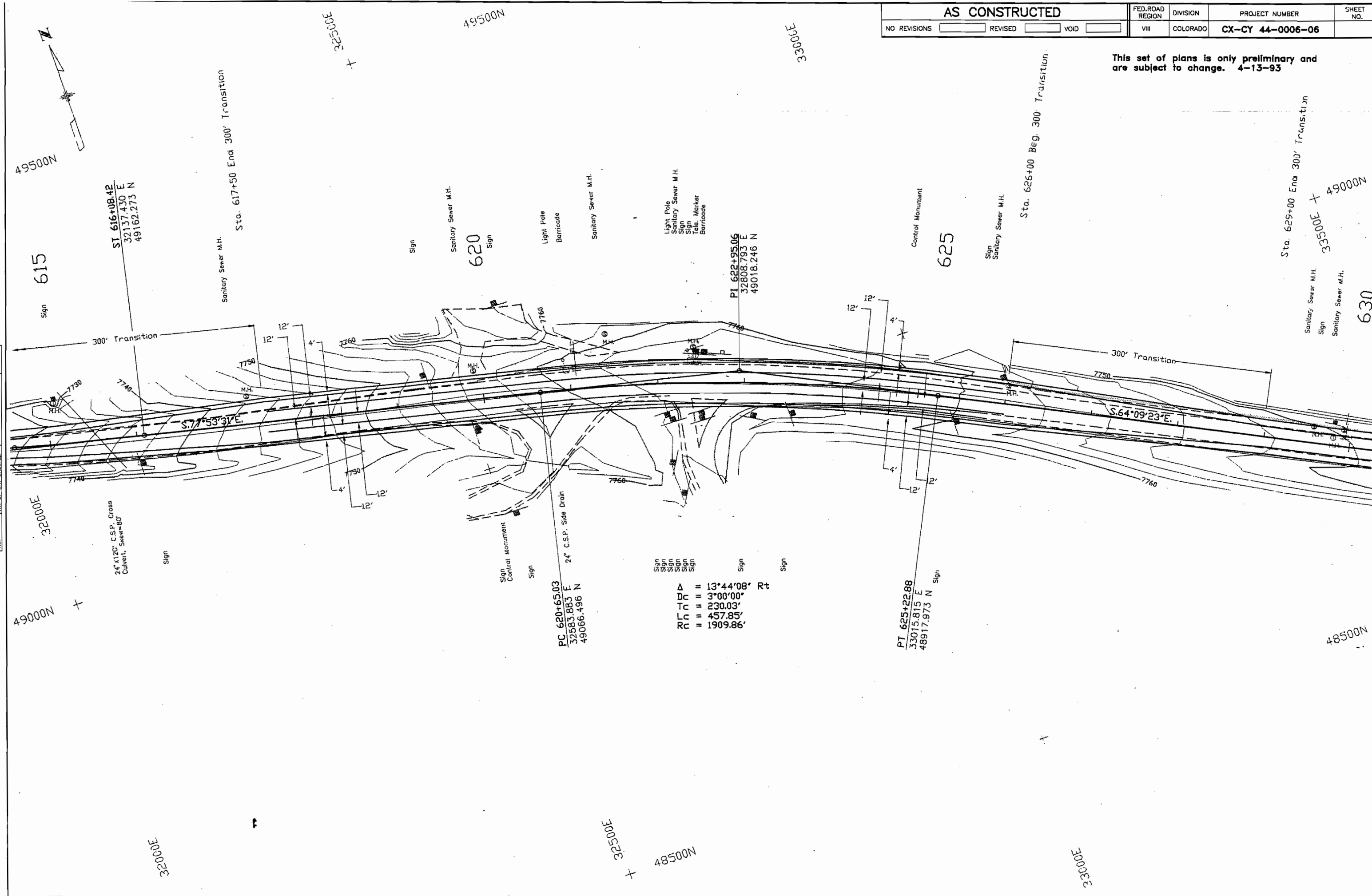
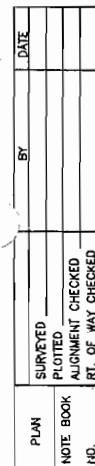
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SURVEYED		
PLOTTED		
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This set of plans is only preliminary and are subject to change. 2-19-93

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

Sanitary Sewer M.H.
Sign
Sanitary Sewer M.H.

Sta. 631+19.64 POT

Bridge Column
Bridge Column
Bridge Column
Bridge Column
Bridge Column
Bridge Column
Bridge Column
Bridge Column
Sta. 635+00 Beg 150' Transition

Sta. 636+50 End 150' Transition

STA. 639+50.000 END CX-CY 44-0006-06
Mile Post 174.584

