

STATE DEPARTMENT OF HIGHWAYS

DIVISION OF HIGHWAYS—STATE OF COLORADO

CONVENTIONAL SIGNS

County Line
Township or Range Line
Land Lines
Property or Tract Line
City Limits
Railroad
Existing Road
New Road

Control of Access
Access denied by Deed
Right of Way Line
Protected by Freeway (Virgin Location)
Top of Cuts
Top of Fills
Barbed Wire Fence
Chain Link Fence
Woven Wire - Combination Fence
Snow Fence
Wood Fence
Dear Fence

Trees
Deciduous
Coniferous

Tel & Teleg. Lines
Electric Lines
Elec. Trans. Tower
Buried Tel. Cable
Buried Electric Cable
Gas Main
Oil Main
Water Main
Sanitary Sewers
Storm Sewers

Road Approaches
Section Corner
Center of Section

Culverts & Drains
Proposed
Existing
Proposed
Existing (To be dashed)

Bridges
Existing (To be dashed)

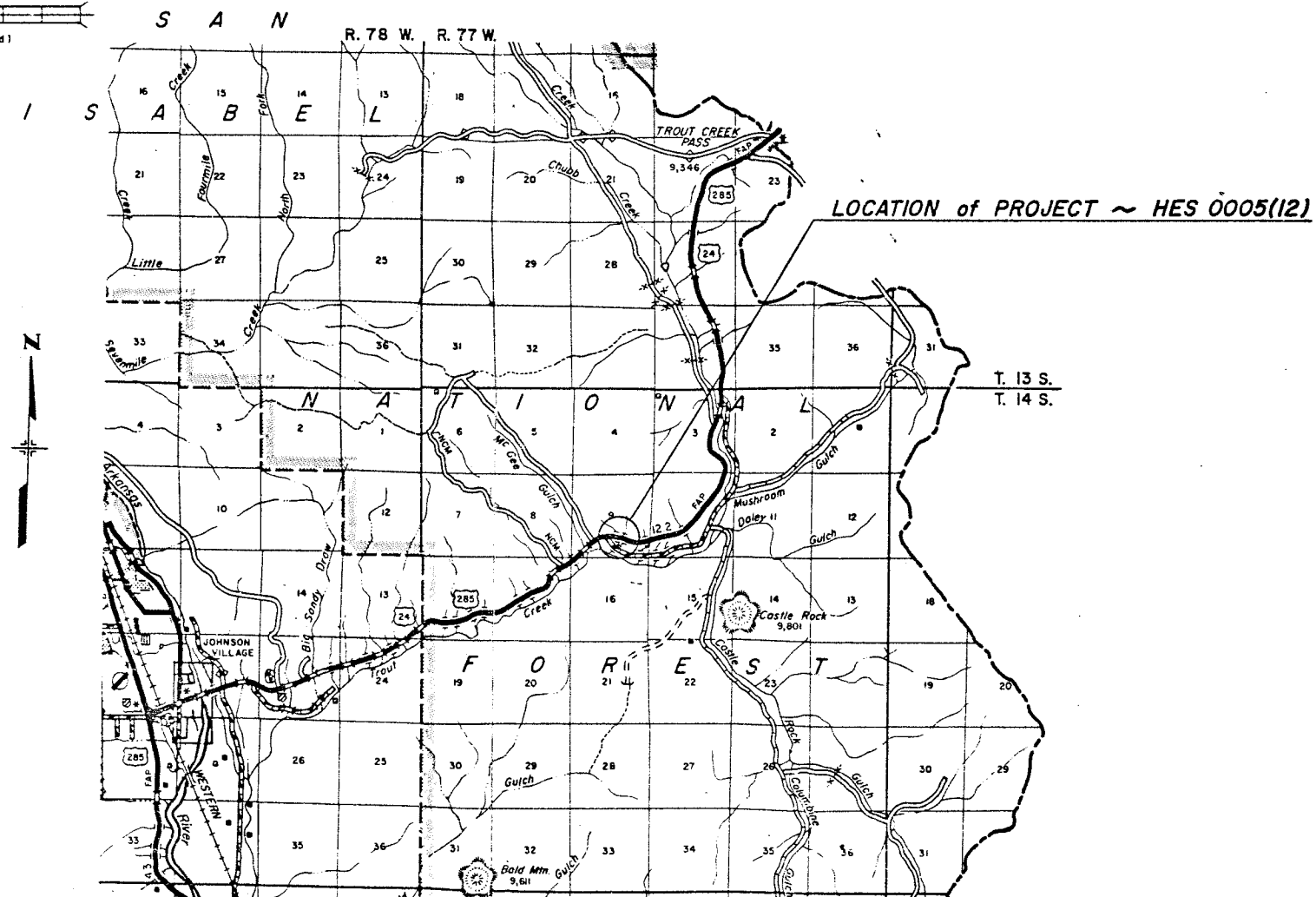
RIGHT OF WAY PLAN OF PROPOSED FEDERAL AID PROJECT NO. HES 0005(12) STATE HIGHWAY NO. 285 CHAFFEE COUNTY

RIGHT OF WAY

SCALE OF ORIGINAL DRAWINGS

PLAN SHEETS 1" = 100'
DETAIL SHEETS 1" =
OWNERSHIP MAPS 1" =

R.O.W. LENGTH OF PROJECT =



SCALE IN MILES
SCALE IN KILOMETRES

DISTRICT 5
SUB = 85191

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
XII	COLORADO	HES 0005 (12)	1

RIGHT OF WAY
WEST OF TROUT CREEK PASS

REVISIONS

INDEX OF SHEETS

1. TITLE SHEET
2. TABULATION OF PROPERTIES
3. PLAN SHEET

DIVISION OF HIGHWAYS	
APPROVED:	
DISTRICT ENGINEER	DATE

R. O. W. TABULATION OF PROPERTIES IN

CHAFFEE

COUNTY

S. H. NO. 285

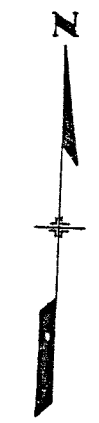
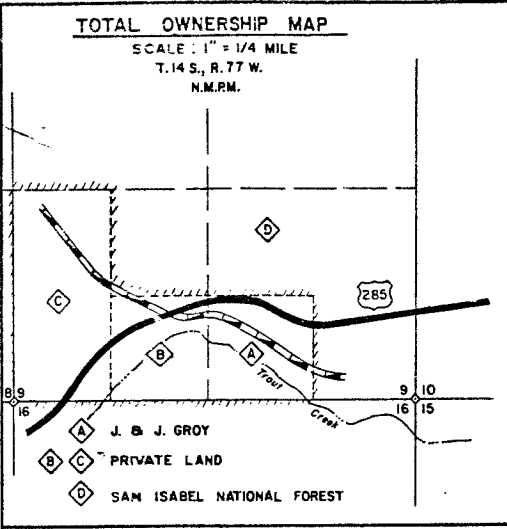
RIGHT OF WAY
WEST SIDE TROUT CREEK PASS

[illegible]

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	HES 0005(12)		

REVISIONS	

RIGHT OF WAY
WEST SIDE - TROUT CREEK
PASS



SURV.	PROJ.
$\Delta s = 14^{\circ}32'55''$ Lt.	$\Delta s = 18^{\circ}04'44''$ Lt.
$Ts = 419.08'$	$Ts = 307.62'$
$\Delta c = 4^{\circ}02'55''$	$\Delta c = 5^{\circ}34'44''$
$Dc = 3^{\circ}00'$	$Dc = 5^{\circ}00'$
$Tc = 67.20'$	$Tc = 55.83'$
$Lc = 134.95'$	$Lc = 111.58'$
$Rc = 1909.86'$	$Rc = 1145.92'$
$Ls = 350.00'$	$Ls = 250.00'$
$Os = 5^{\circ}15'$	$Os = 6^{\circ}15'$
$L.T. = 233.43'$	$L.T. = 166.77'$
$S.T. = 116.76'$	$S.T. = 83.43'$

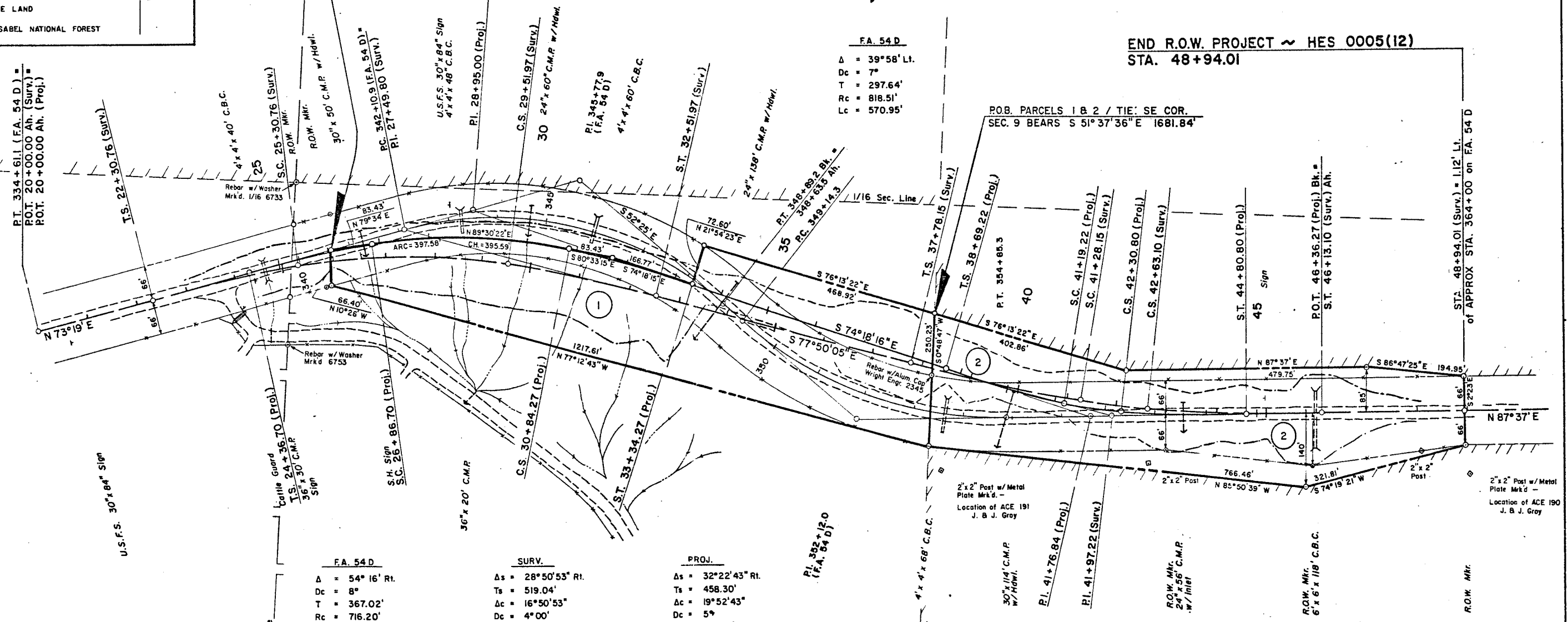
BEGIN R.O.W. PROJECT ~ HES 0005(12)
P.O.T. STA. 26+03.47

END R.O.W. PROJECT ~ HES 0005(12)
STA. 48+94.01

FA. 54 D

$\Delta = 39^{\circ}58'$ Lt.
$Dc = 7^{\circ}$
$T = 297.64'$
$Rc = 818.51'$
$Lc = 570.95'$

P.O.B. PARCELS 1 & 2 / TIE: SE COR.
SEC. 9 BEARS S $51^{\circ}37'36''$ E 1681.84'



FA. 54 D

$\Delta = 54^{\circ}16'$ Rt.
$Dc = 8^{\circ}$
$T = 367.02'$
$Rc = 716.20'$
$Lc = 678.33'$

SURV.

$\Delta s = 28^{\circ}50'53''$ Rt.
$Ts = 519.04'$
$\Delta c = 16^{\circ}50'53''$
$Dc = 4^{\circ}00'$
$Tc = 212.13'$
$Lc = 421.20'$
$Rc = 1432.39'$
$Ls = 300.00'$
$Os = 6^{\circ}$
$L.T. = 200.12'$
$S.T. = 100.11'$

PROJ.

$\Delta s = 32^{\circ}22'43''$ Rt.
$Ts = 458.30'$
$\Delta c = 19^{\circ}52'43''$
$Dc = 5^{\circ}$
$Tc = 200.81'$
$Lc = 397.57'$
$Rc = 1145.92'$
$Ls = 250.00'$
$Os = 6^{\circ}15'$
$L.T. = 166.77'$
$S.T. = 83.43'$

SE 1/4 SE 1/4 SEC. 9

- 1 JOHN L. GROV and JOHN D. GROV
- 2 SAN ISABEL NATIONAL FOREST

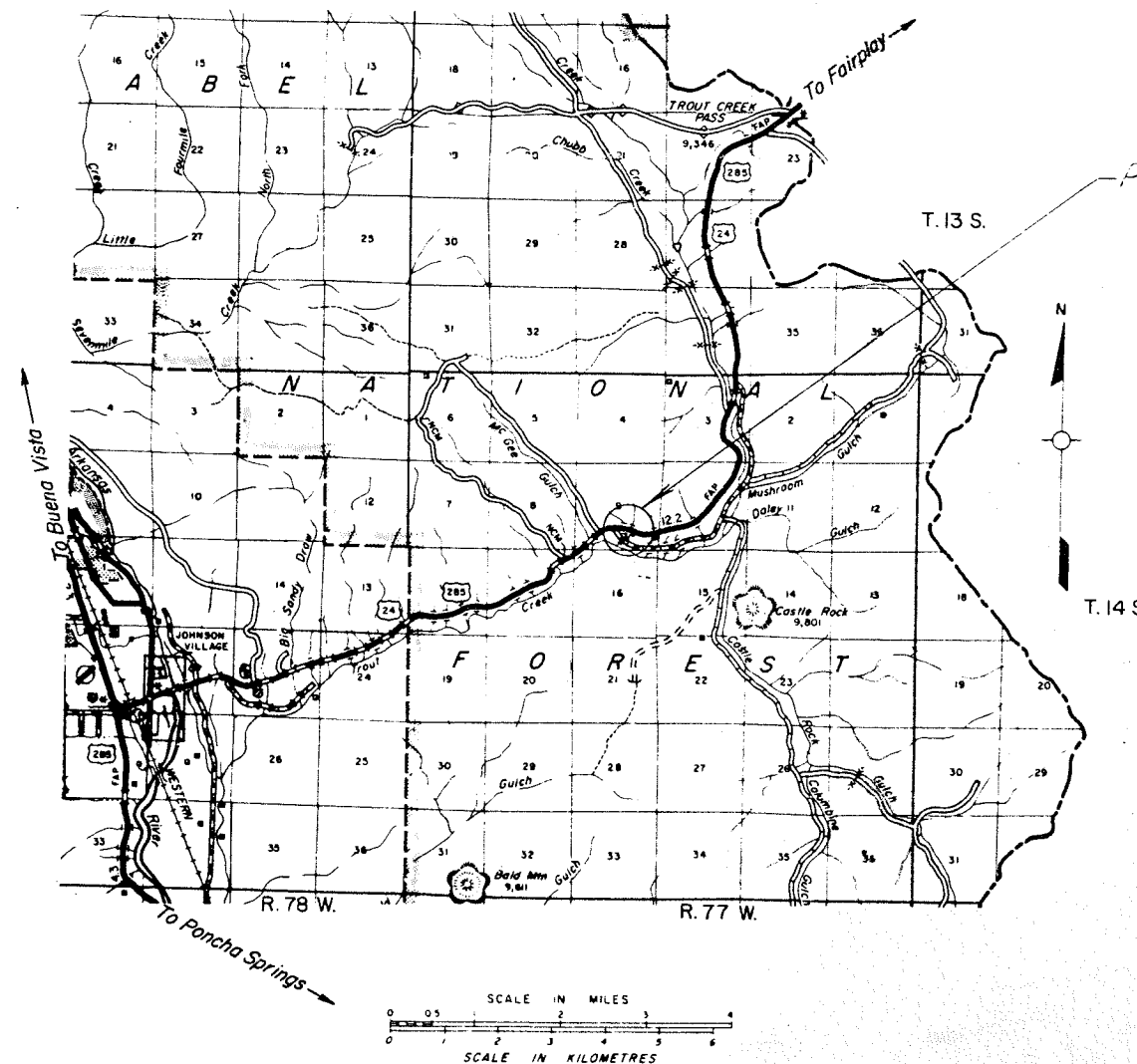
T. 14 S., R. 77 W., N.M.P.M.

See Standard M-100-1 for STANDARD SYMBOLS

STATE DEPARTMENT OF HIGHWAYS DIVISION OF HIGHWAYS—STATE OF COLORADO

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. HES 0005(12) SHEET NO. STATE HIGHWAY NO. 24 CHAFFEE COUNTY

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 }
NET LENGTH OF PROJECT }



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
VIII	COLORADO	HES 0005(12)	1

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

REVISIONS		

INDEX OF SHEETS

FIELD INSPECTION
JUNE 20, 1985
ROADWAY PLANS

DIVISION OF HIGHWAYS	
APPROVED:	
CHIEF ENGINEER	DATE
AS CONSTRUCTED INFORMATION	
CONTRACTOR	
ENGINEER (Project or Resident)	
PROJECT STARTED	
PROJECT COMPLETED	
AS CONSTRUCTED PLANS APPROVED	
TITLE	DATE

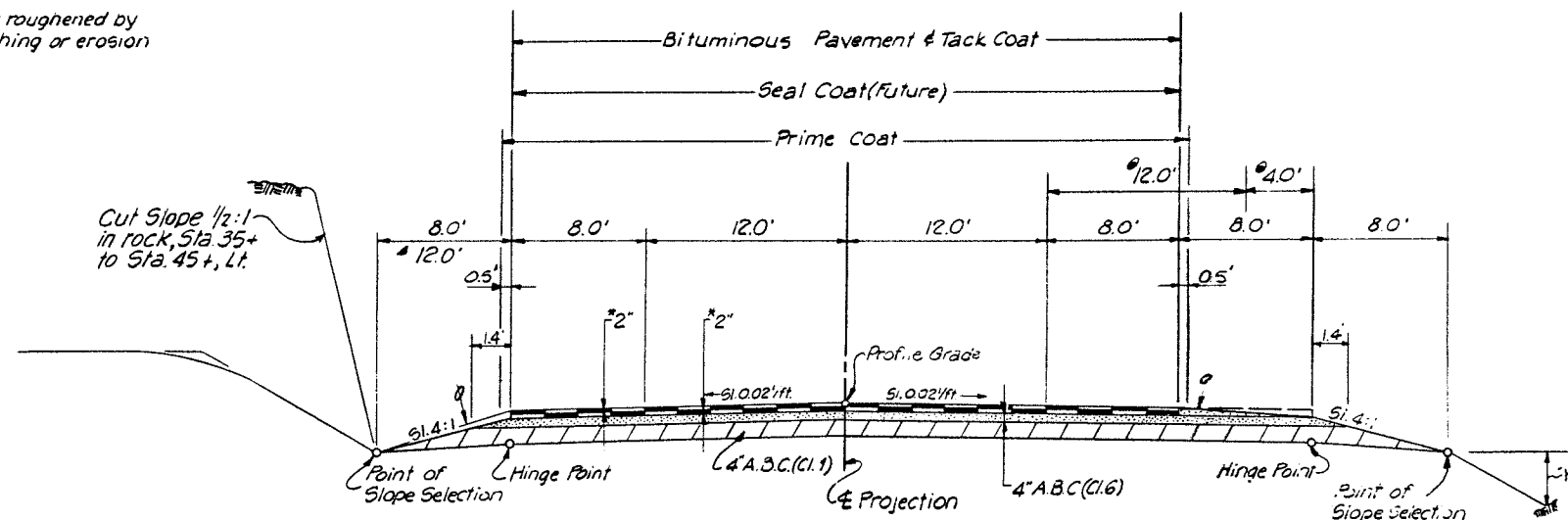
TYPICAL SECTION

See Standards for details of cut slope treatment, flaring and widening.

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

Break points on slopes and in bottoms of ditches shall be rounded on construction for a pleasing appearance.

Earth slopes shall be disced or roughened by other approved methods for mulching or erosion protection.



SECTION A STA. 25+00 TO STA. 47+00

* Approximate Thickness

Contractor will be required to place A.B.C.(C.I.G) to this line after completion of the paving operation.

Future Construction

Widened Ditch, Sta. 35+00 to Sta. 45+00, Lt.

FILL SLOPES ϕ

Slope 4:1 where "H" is 4' or less
Slope 3:1 where "H" is 4' to 15'
Slope 2:1 where "H" is over 15'

ϕ In special cases, slope may be steepened.

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

Bituminous Pavement	Top Layer	49 Tons
	Bottom Layer	49 Tons

Base Course	110 Tons
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The rates shown have been determined from information available at the time of design. Rates should be adjusted during construction to obtain the approximate thickness.

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	HES 0005(12)	2	
AS CONSTRUCTED				
NO REVISIONS		REVISED	VOID	

AS CONSTRUCTED			FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	SHEET TOTALS
NO REVISIONS	REVISED	VOID	VIII	COLO.	ME5 0003(12)	3	

GENERAL NOTES

Class 'AX' Concrete will be permitted on this project in lieu of Class 'A', Class 'B', or Class 'P'.

Guard posts, Delineators and Signs will be removed by State Forces.

Mile Posts will be adjusted or reset by State Forces.

Final signing and striping will be done by State Forces.

For preliminary plan quantities or Pavement Structure Materials, the following rates of application were used:

Prime Coat (MC-70) @ 0.30 Gals./Sq.Yd.
Tack Coat Diluted Emul. Asph.(Slow Setting) @ 0.10 Gals./Sq.Yd. (Diluted)

Bituminous Pavement @ 110 Lbs. per Sq.Yd./Inch
Aggregate Base Course @ 133 Lbs. per Cu.Ft.

Diluted Emulsified Asphalt for Tack Coat shall consist of 1 part Emulsified Asphalt and 1 part water.

Rates of application shall be as determined by the Engineer at the time of application.

Diluted Emulsified Asphalt shall be used as a dust palliative where required and shall consist of a dilution of Emulsified Asphalt and water, the portions of which shall be 9 parts water and 1 part Emulsified Asphalt, based on volume measurement. Locations shall be as ordered.

Water shall be used as a dust palliative where required. Locations shall be as ordered.

The following shall be furnished with each bituminous paver:

1. A ski type device at least 30 feet in length.
2. Short ski or shoe.

Any layer of bituminous pavement that is to have a succeeding layer placed thereon shall be completed full width before succeeding layer is placed.

Depth of Moisture-Density control for this project shall be as follows:

Full Depth of all embankments.
Bases of cuts and fills 0.5 foot.

Excavation required for compaction of bases of cuts and fills will be considered as subsidiary to that operation and will not be paid for separately.

Flexible conduits on this project with helical corrugations, joined by dimpled connecting bands, shall use a sealing compound or gasket with the connecting band.

The minimum thickness of topsoil shall be 4 inches. It is estimated that Cu.Yds will be required based on average thickness, and will be obtained from

Seeding, Fertilizing with Commercial Fertilizer, and Mulching will be required for approximately Acres for Roadway within Right of Way limits on all disturbed areas not surfaced.
The following types and approximate rates shall be used:

COMMON NAME	BOTANICAL NAME	LBS. PLS/ACRE	OZ. PLS/ACRE
TOTAL PLS/ACRE SEEDING			
Mulching Material: Native Hay Straw		Tons per Acre Tons per Acre	
COMMERCIAL FERTILIZER		RATES LBS/ACRE	
Available N Available P			
PROJECT TOTALS			

PLAN

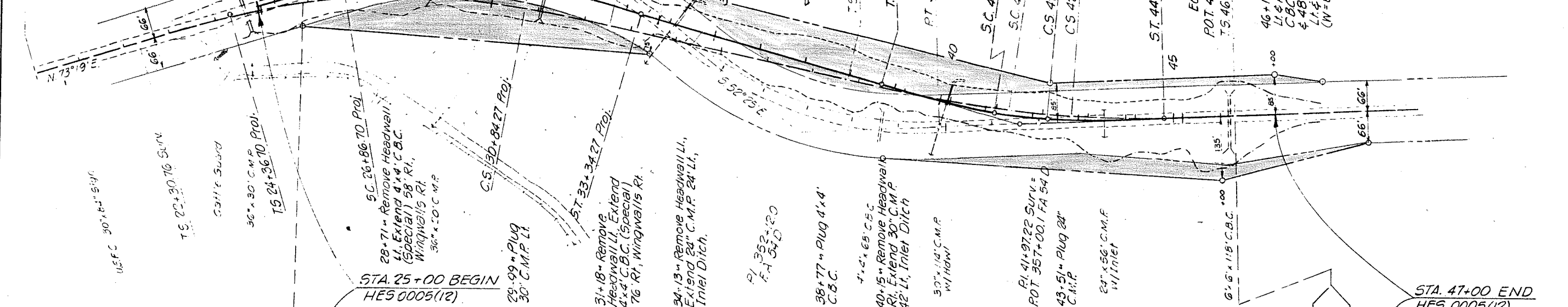
PROFILE

PT 334+61.1 FA 54 D =
POT 20+00.00 Ah. SURV. =
PO 20+00.00 Ah. Proj.
23+10.25 " Reg'd Approach
to Project

SW 1/4 Sec. 9
T.14S. R.77W.

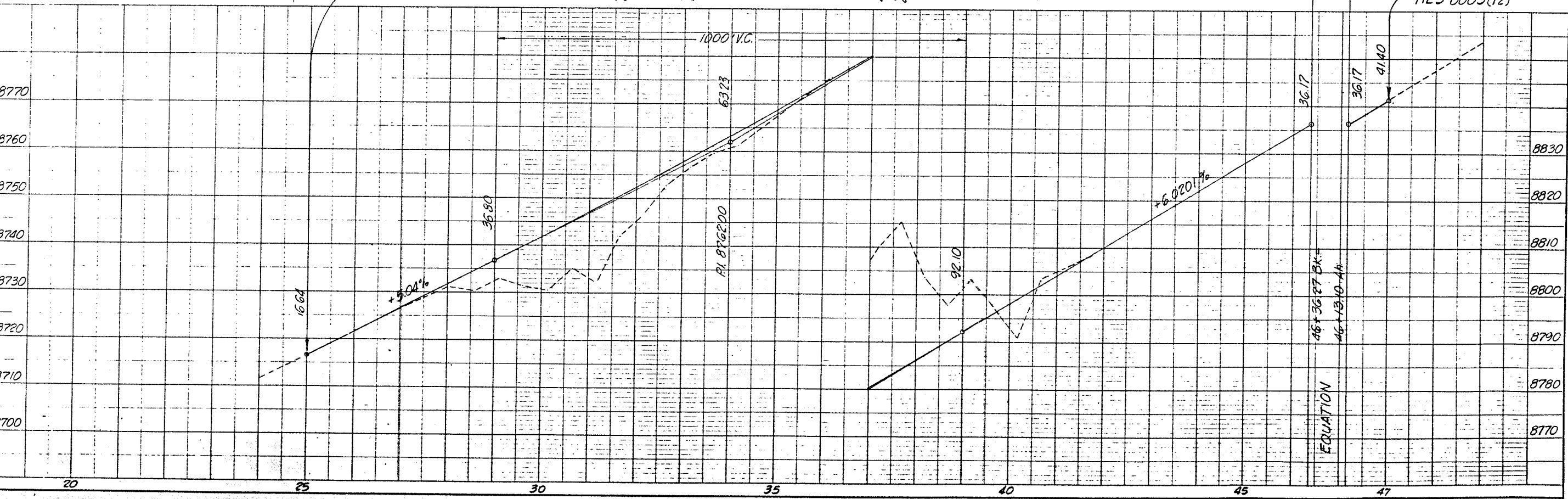
24+68 " Remove Headwall
Lt. & Rt. Extend 4' x 4' C.B.C.
(Special) 8' Lt. & 28' Rt.
Wingwalls Lt. & Rt.

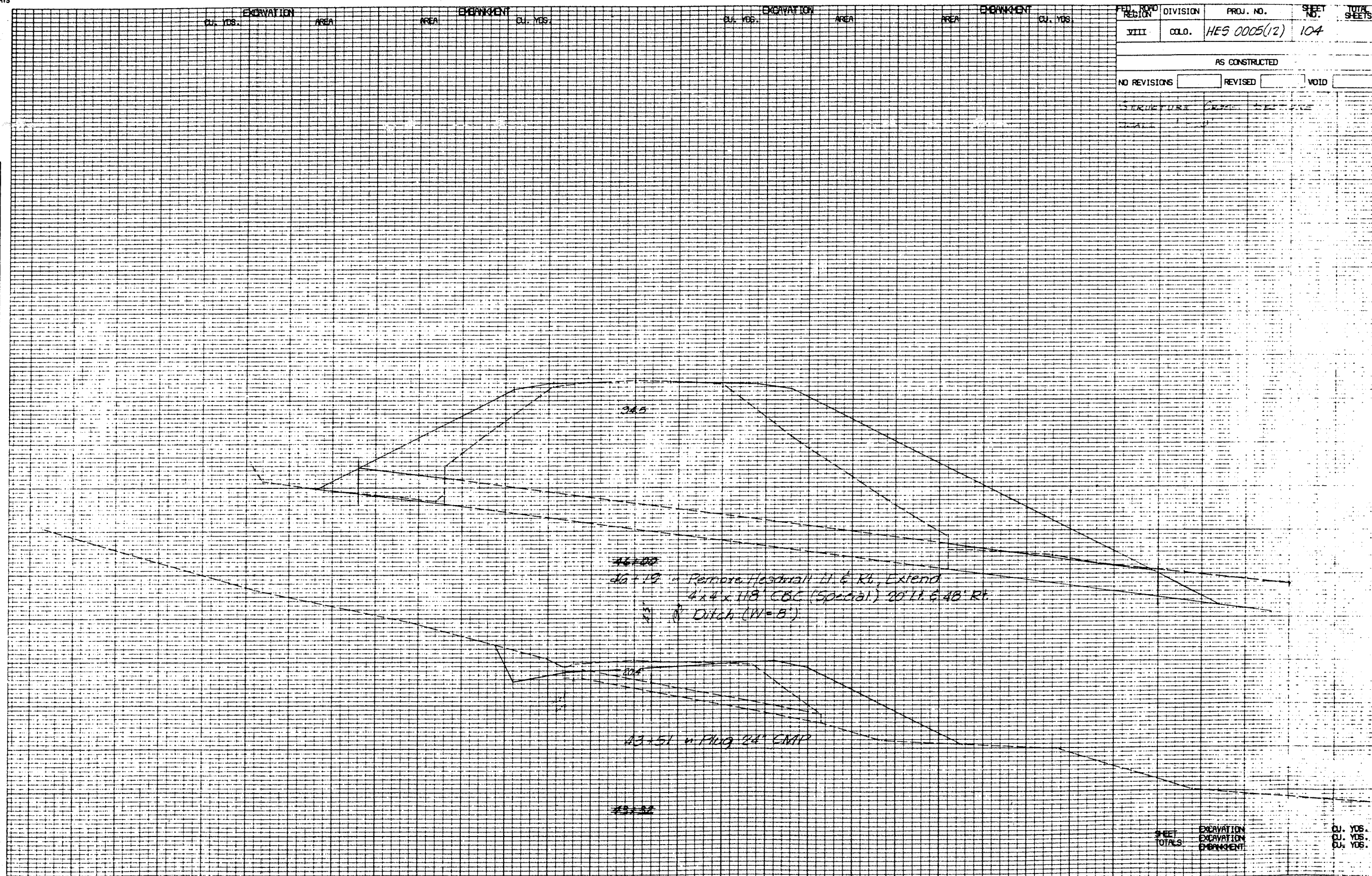
26+71 " Plug 30" C.M.P.



AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

PROJECT NO.	HE 50005(12)
SHEET	4





FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLD.	HES 0005(12)	103	

AS CONSTRUCTED

NO REVISIONS		REVISED		VOID	
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$$1000 - 1 = 999$$

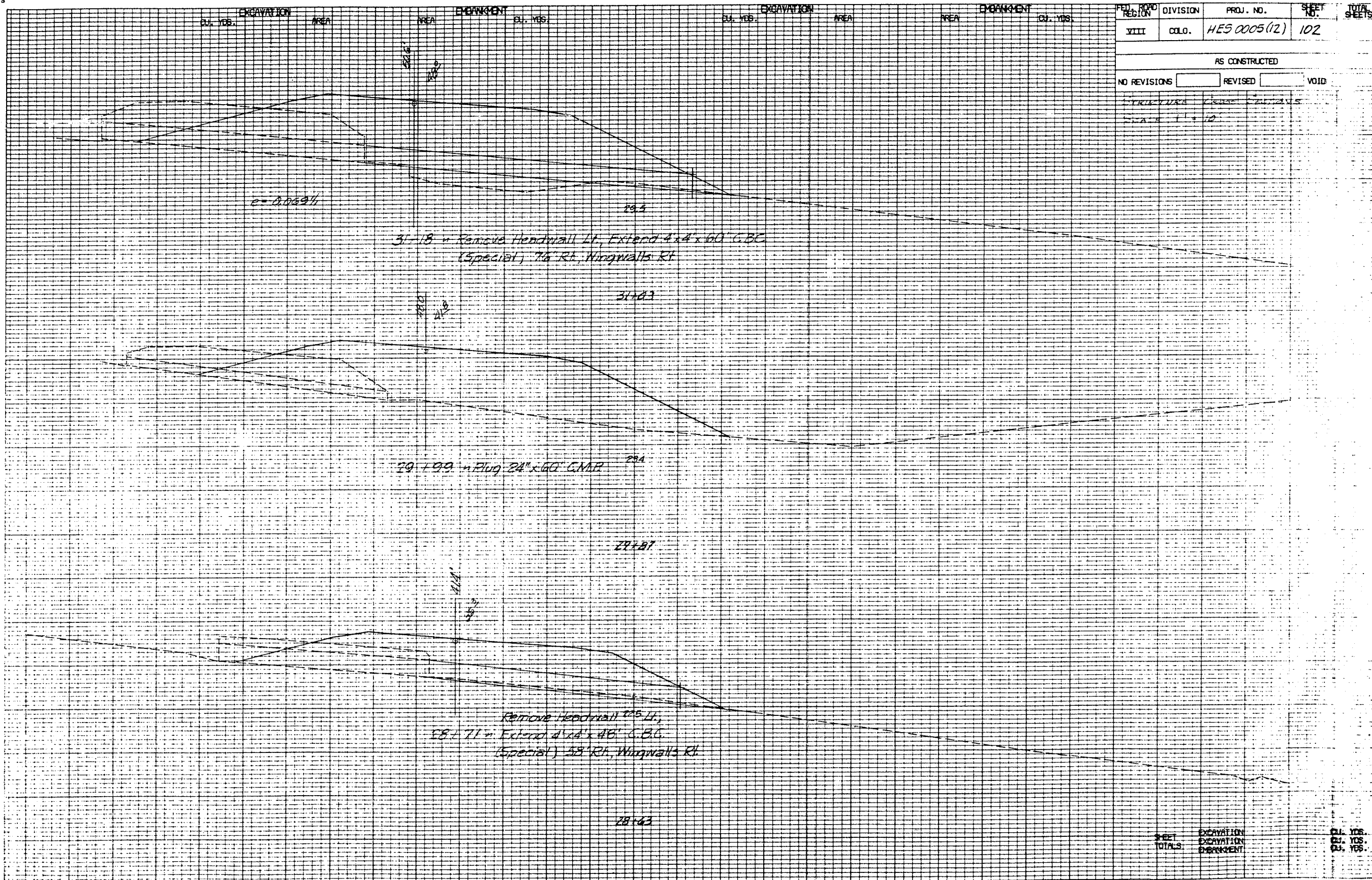
NO.	FINAL SURVEY	DATE
PLOTTED	SURVEYED	BY
TEMPLATE	AREAS CHECKED	DATE
AREAS		
AREAS		
CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED TEMPLATE		
NO.	AREAS CHECKED		

EXCAVATION	CU. YDS.
EXCAVATION	CU. YDS.
EMBANKMENT	CU. YDS.
TOTALS	

FINAL SURVEY NOTE BOOK	DATE
	BY
	NO.
	AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK	DATE
	BY
	NO.
	AREAS CHECKED



FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLO.	HES 0005(12)	102	

AS CONSTRUCTED		
NO REVISIONS	REVISED	VOID

STRUCTURE	LENGTH	REMARKS
BRIDGE	1' x 10'	

