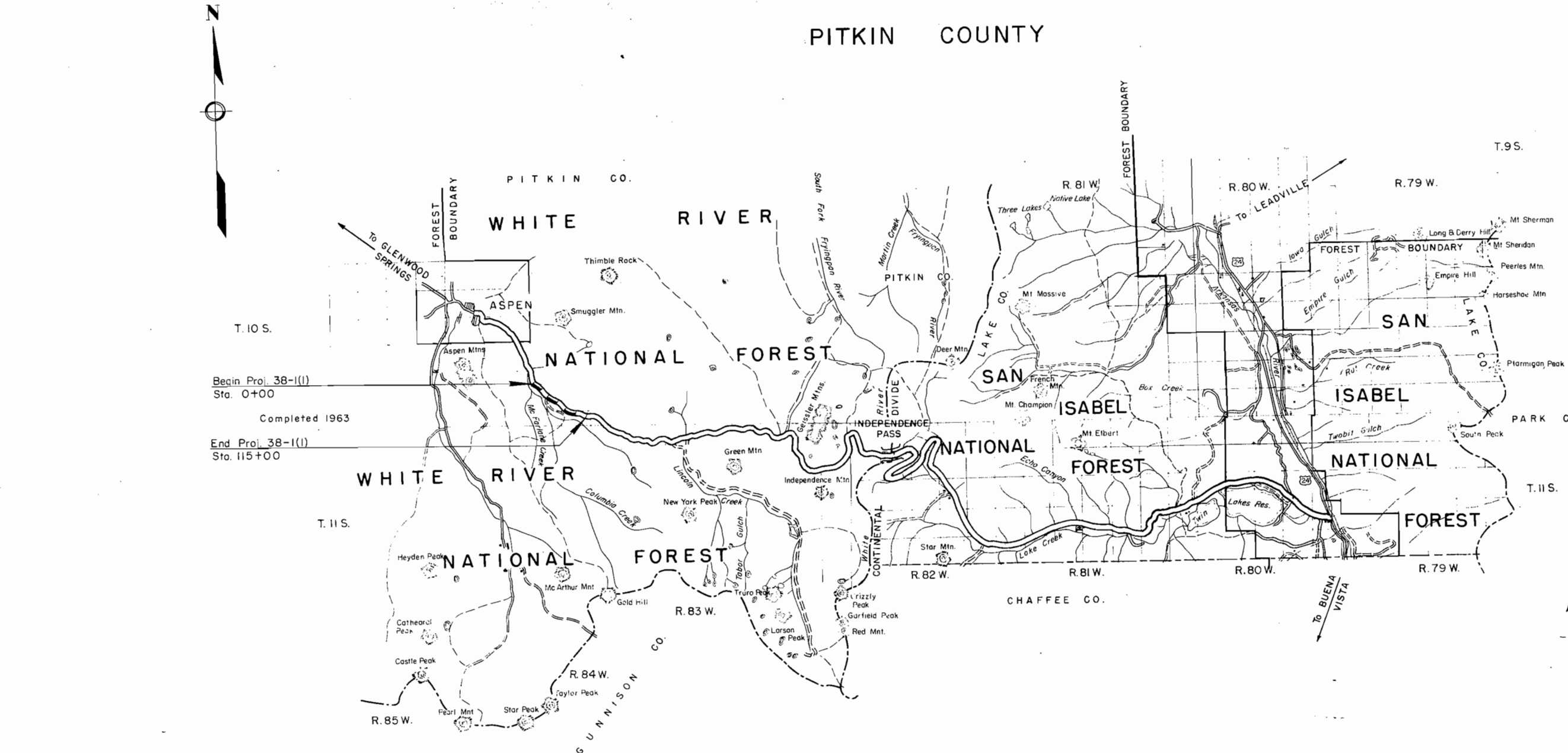
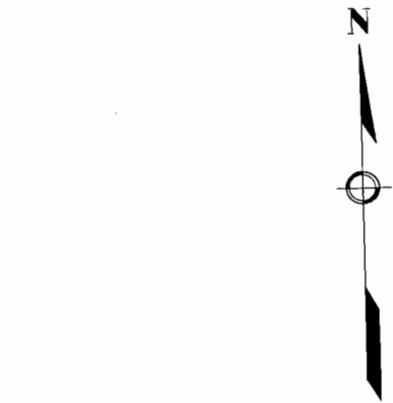
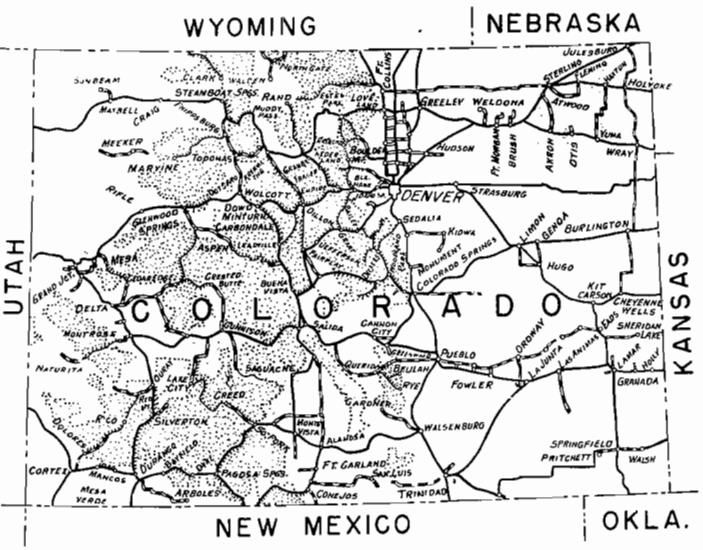


U.S. DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS

AS CONSTRUCTED  
 COLORADO FOREST HIGHWAY PROJECT 38-1(1)  
**INDEPENDENCE PASS**  
 LENGTH  $2\frac{94}{100}$  MILES  
 CLASS 2  
 WHITE RIVER  
 NATIONAL FOREST  
 PITKIN COUNTY

INDEX TO SHEETS		
SHEET No	DESCRIPTION	STATION TO STATION
1	Title Sheet	
2	Typical Sections	
3	Summary (2 Sheets)	
4-7	Plan & Profile	0+00 115+00
R9-Std. 117A	Concrete End Sections, Headwall & Inlets	
R9-Std. 131	Std. Maintenance Marker Posts	
R9-Std. 162A	Timber Guide Posts W/Ref. Strips	
R9-Std. 166A	Requirements for Placing C.M.P. Culverts	
R9-Std. 168	Straight Type Concrete Hdws	
R9-Std. 143B	Project Identification Signs	
R9-Sp. 354	Bin Type Metal Cribbing (2 Sheets)	



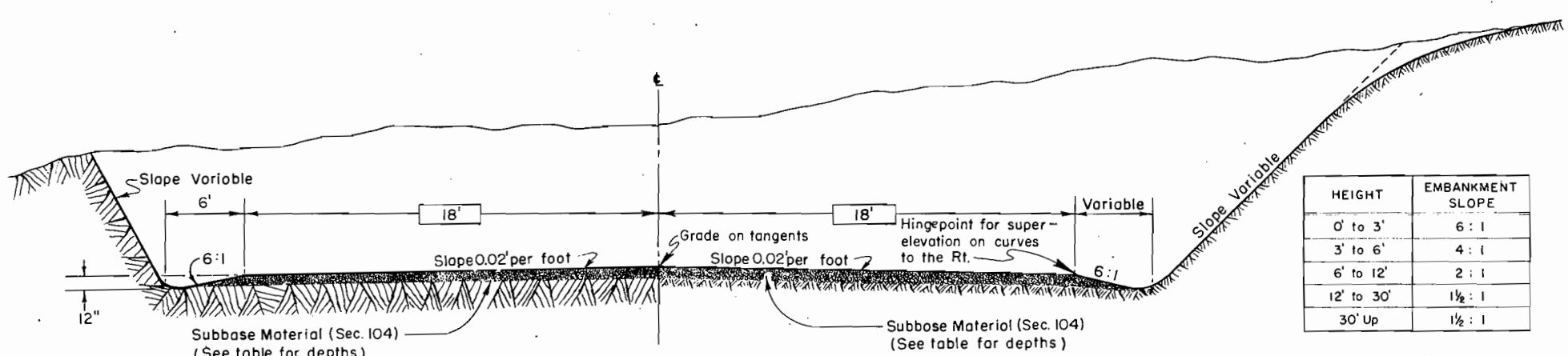
Plans prepared by: B.P.R.  
 Date: May, 1962

Description of Project  
 Improvement: Grading & Bit. Stab. Base  
 Roadbed Widths:  
 Grading: 36'  
 Base: 32'  
 Type Code: 2Q13

Traffic Volume  
 A.D.T. (1961): 275  
 A.D.T. (1981): 1000  
 D.H.V.: 150  
 D: 65%  
 T: 5%  
 V: 45

U.S. DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS  
 REGION NO. 9 DENVER, COLORADO  
 APPROVED: \_\_\_\_\_  
 REGIONAL ENGINEER DATE \_\_\_\_\_ 19\_\_





TYPICAL HALF CUT SECTION IN ROCK

TYPICAL HALF CUT SECTION IN COMMON

HEIGHT	EMBANKMENT SLOPE
0' to 3'	6:1
3' to 6'	4:1
6' to 12'	2:1
12' to 30'	1 1/2:1
30' Up	1 1/2:1

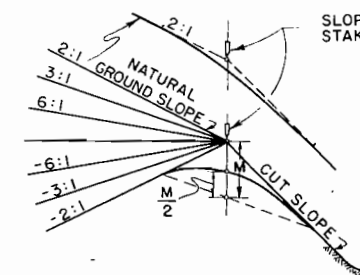
When field conditions indicate the need for slopes other than those indicated above, they shall be constructed as staked by the Engineer.

NATURAL GROUND SLOPE	CUT SLOPE		ALTERNATE ROUNDING DIMENSIONS	
	HEIGHT	RATIO	SEMI-TANGENTS †	
			Back of Slope Stake "B"	Front of Slope Stake "F"
VARIABLE VARIABLE	0'-5' 5'-10'	3:1 2:1	5'	5'
RELATIVELY FLAT (6:1 AND FLATTER)	10'-15' 15'-30' OVER 30'	1 1/2:1 1 1/4:1 1:1	5'	8'
MODERATELY STEEP (6:1 TO 3:1)	10'-15' 15'-30' OVER 30'	1 1/2:1 1 1/4:1 1:1	5' 3'	OR 8' ** 5' *
STEEP (STEEPER THAN 3:1)	10'-15' 15'-30' OVER 30'	1 1/2:1 1 1/4:1 1:1	3'	5' *

† Measured on slope surface.  
 \*\* Desirable  
 \* Minimum (Wooded)  
 \* These ratios are desirable in steep terrain.

NOTE: In areas where existing conditions permit, use more liberal rounding with unequal semi-tangents. (Approximating a parabolic curve.)

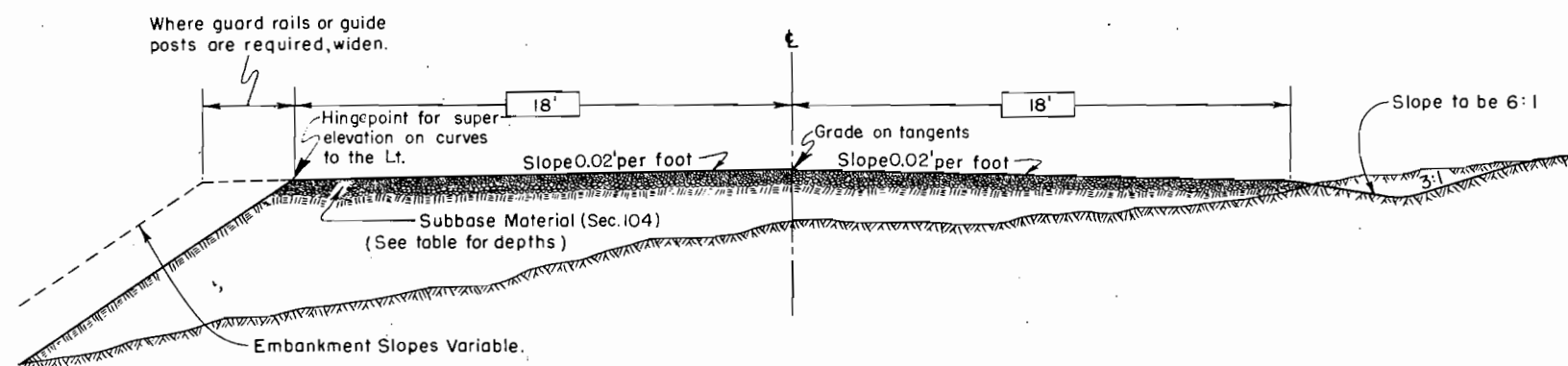
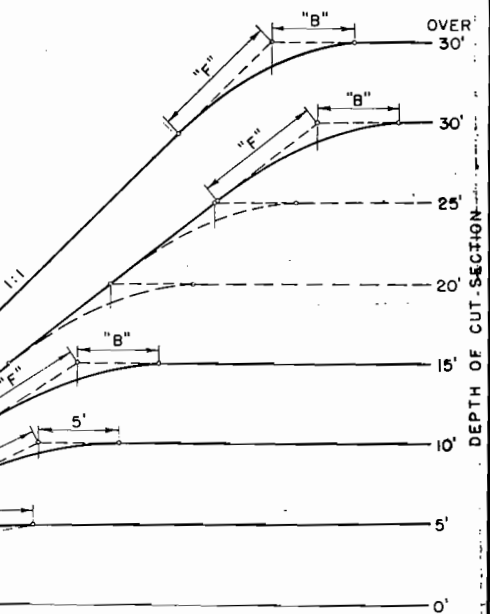
ROUNDING, WARPING, AND FINISHING SLOPES, AS PROVIDED IN ART. 102-3.8, F.P.-61 SPECIFICATIONS.



CUT SLOPE ROUNDING

SLOPE ROUNDING TO BE CONSIDERED AS A SUBSIDIARY PART OF THE WORK REQUIRED IN DRESSING THE CUT SLOPES AND NO ALLOWANCE WILL BE MADE FOR MATERIALS MOVED.

For Rounding Dimensions "B" and "F", See Table.



TYPICAL HALF EMBANKMENT SECTION

TYPICAL HALF SHALLOW EMBANKMENT SECTION

SPECIAL STABILIZING MATERIAL

STATION to STATION	SUBBASE Item 104(2)	SELECTED BORROW Item 102( )
0+00 to 115+00	9"	

GENERAL NOTES

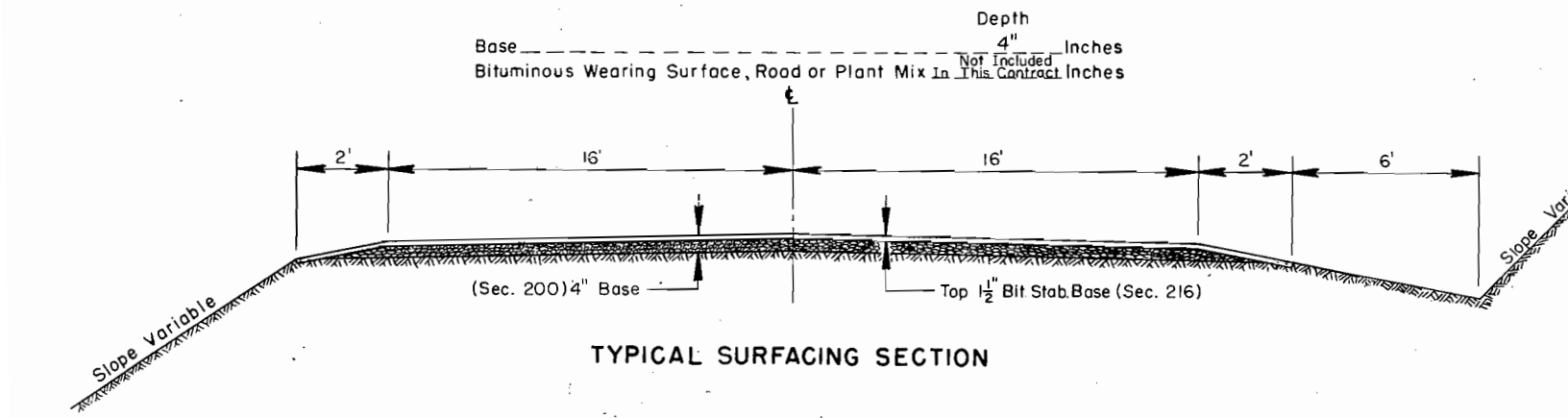
Where Borrow is specified in the contract and satisfactory material is found in the roadway excavation, the right is reserved to increase the amount of Unclassified Excavation and reduce the Borrow Excavation. When additional material is needed for completing embankments, stabilizing the subgrade, or for selected cushion or topping, it may be secured by uniformly widening thru or sidehill cuts or flattening cut slopes where satisfactory material is available. The slopes at the ends of all cuts shall be flattened and flared to improve appearance. Furrow ditches shall be constructed on approximate one percent grades following the ground contour and when possible shall be so constructed that the direction of flow will be away from the roadway. Topsoil shall be conserved and either placed in stockpiles or spread over cut and embankment slopes as directed and in accordance with the specifications. Roadway ditches at the ends of cuts shall be constructed so as to carry the flow away from the adjacent embankment slopes. Embankment slopes shall be uniformly warped between one rate of slope and another. The transition shall cover a distance of not less than fifty feet. The grade line shown on the plan and profile sheets is centerline grade, not corrected for curvature. Curves are super-elevated and widened in accordance with AASHTO standards.

SOILS DATA

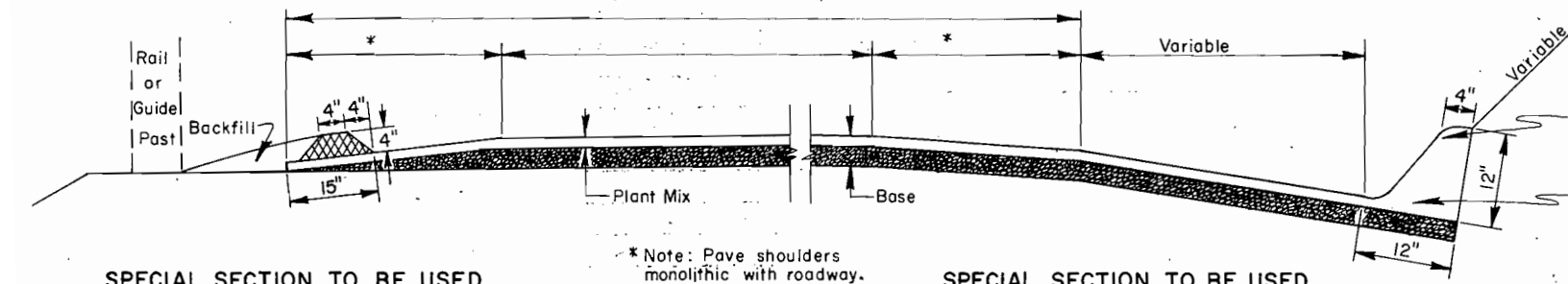
Any materials soils data shown on these plans are based on tests of samples obtained from the locations and depths shown, and are only for informational purposes. They do not reflect classification of the excavation. No responsibility is assumed by the Government as to the extent of materials represented by these tests. Any assumption by the contractor as to the extent of the materials represented by these samples is strictly his responsibility. The contractor must satisfy himself as to the nature of materials to be encountered by personal inspection of the project on the ground. If materials not conforming to the data shown on these plans are encountered during construction, the grading plan will be modified where necessary to insure proper design.

U.S. DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS  
 REGION NO. 9 DENVER, COLO.

TYPICAL CROSS SECTIONS  
 NATIONAL FOREST & PARK HIGHWAYS



TYPICAL SURFACING SECTION



SPECIAL SECTION TO BE USED FOR BITUMINOUS CURBS

NOT INCLUDED IN THIS CONTRACT

SPECIAL SECTION TO BE USED WHERE GUTTERS ARE TO BE PAVED

\* Note: Pave shoulders monolithic with roadway.

APPROVED: *W. B. Hamilton*  
 Federal Highway Projects Engineer

Date: 2/26/58

REGION No. 9 STANDARD ROADBED: GRADED 36' Shoulder to Shoulder  
 PROJECT 38-1(1), Independence Pass  
 NATIONAL Forest: White River  
 COUNTY Pitkin  
 STATE Colorado







U.S. Government  
(Forest Lands)

NE 1/4 Sec. 34  
T.10S., R.84W.

NW 1/4 Sec. 34  
T.10S., R.84W.  
(U.S. Gov't)

SE 1/4 Sec. 34  
T.10S., R.84W.  
J.H. Smith Jr.  
(Owner)

SW 1/4 Sec. 34  
T.10S., R.84W.  
J.H. Smith Jr.  
(Owner)

"All public and/or privately owned utilities located  
on private lands shall be removed by the State or  
local authority as a Right-of-Way consideration."

(34) (3) James H. Smith, Jr.

△ = Ground Control Station.

"Set-back line for special treatment-Occupied and  
used only upon approval of the Regional Forester."  
A: 270° 39' 27"

Note:  
Bearings shown on  
plans are Grid Bearings

"The Alignment and Grade as hereon  
shown are subject to adjustment."

### STA 115+00 EAST END PROJ. 38-1(1) 1963 CONSTRUCTION

