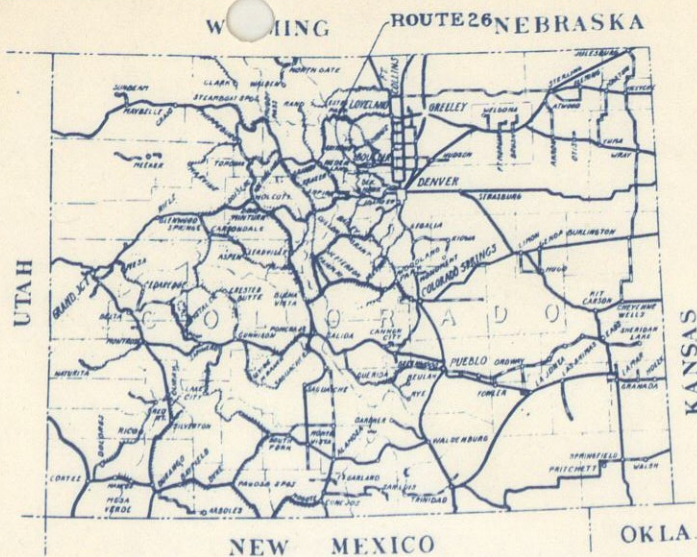




U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

AS CONSTRUCTED
PROJECT 26-H3
ROUTE 26 SOUTH ST. VRAIN HIGHWAY
LYONS VIA RAYMOND TO ESTES PARK
37 MILES CLASS 2
COLORADO FOREST HIGHWAY SYSTEM

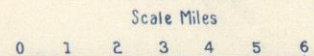
ROOSEVELT NATIONAL FOREST
BOULDER & LARIMER COUNTIES
COLORADO

TRAFFIC VOLUME
A.D.T. (1952) 525
A.D.T. (1972) 1000
D.H.V. 150
Directional (D) 330
Trucks (T) 30%
Design Speed (V) 35

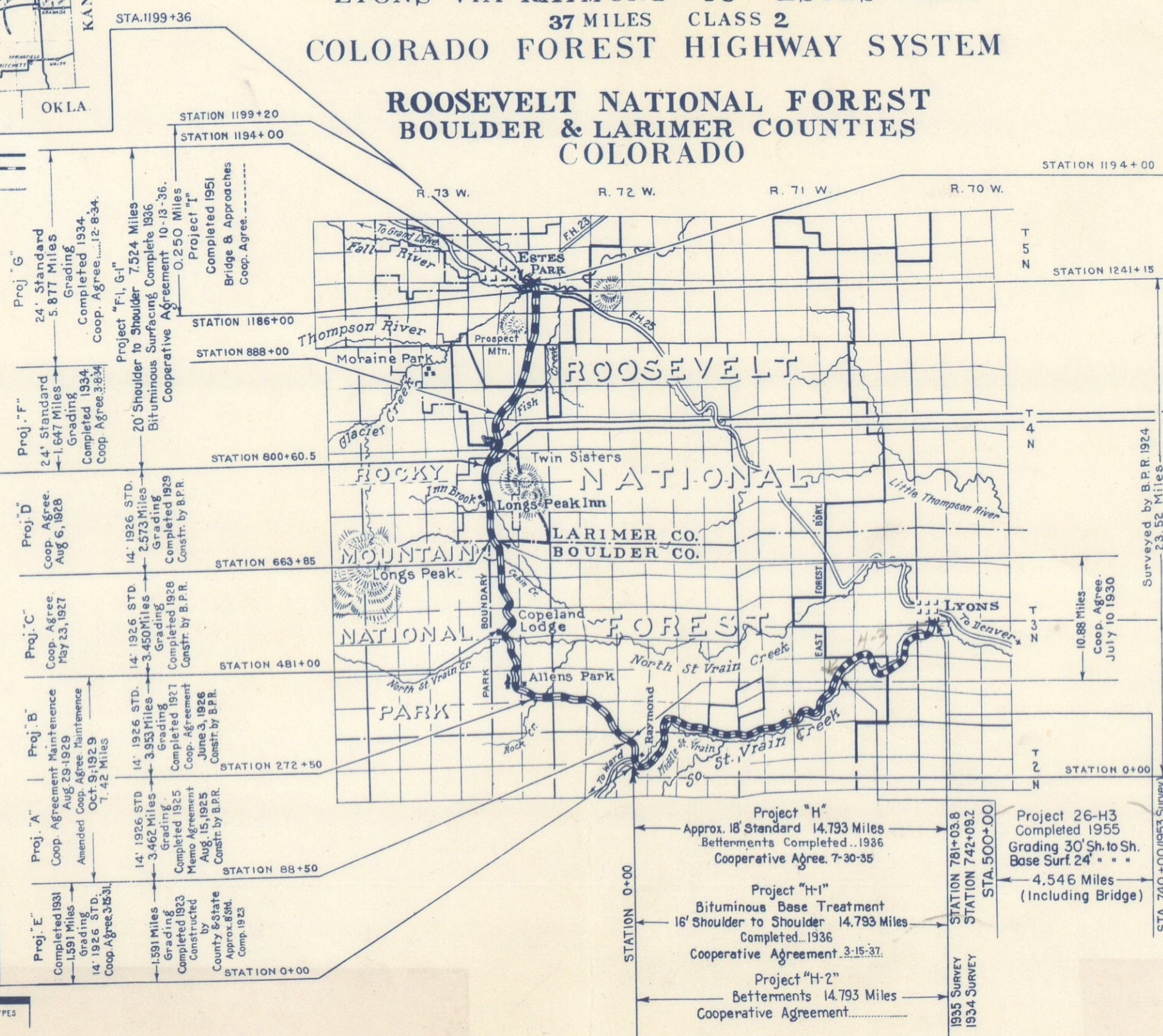
Federal Aid Highway System
Primary
Secondary
Forest Highway System
National Forests

Project 26-A to E inclusive
Completed 1933 Construction
Completed 15,029 Miles 20' Std.
Oiling
Coop. Agree. Oct. 3, 1932

INDEX MAP



EXISTING	UNIMPROVED	GRADED	REINFORCED	BASE	CR. ROCK GRAY	BITUMINOUS	TYPES
ROADS			SUBGRADE	COURSE	MACADAM		



DIV.	STATE	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
9	COLO.	26	H3	1	1

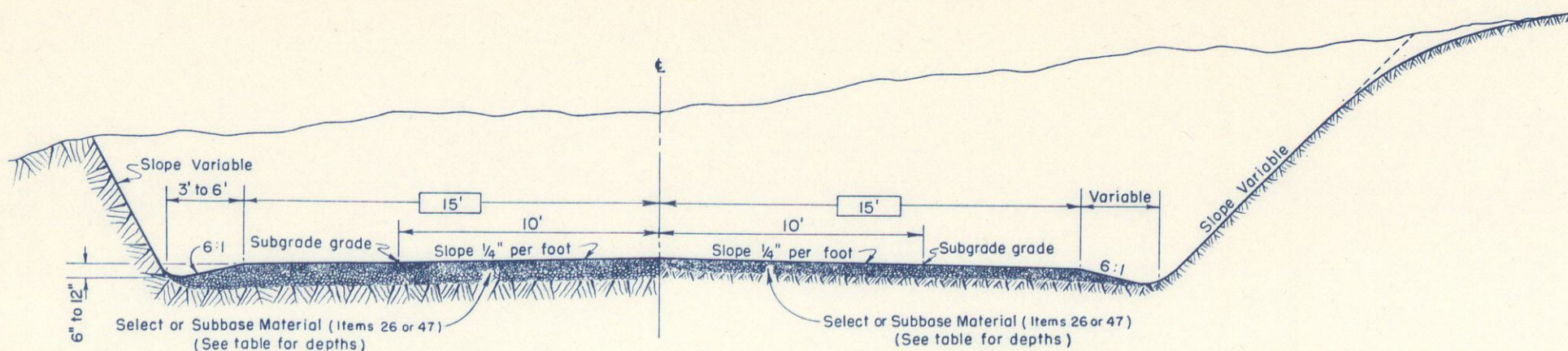
INDEX TO SHEETS

SHEET NO.	DESCRIPTION	STATION	STATION
1	Title Sheet		
2	Typical Sections		
3	Summary		
20-28	Plan & Profile	500+00	740+00
Rev D3-Std 117	C.R.M. Hdws. for Pipe Culverts		
Rev D3-Std 129	Std. Miscellaneous Structures		
" " 129A	" " " "		
D3-Std 130	Std. Conc. & C.R.M. Drop Inlets		
D3-Std 131	Std. Maintenance Posts		
Rev D3-Std 135	Std. Barbed Wire Fence		
Rev D3-Std 143	Typical Construction Signs		
D3-Std 162A	Refl. Timber Guide Posts		
D3-SP 421	7' x 5' x 50' Concrete Box Culvert	544+65	
Rev D3-Std 163	5' x 7' x 69' " " "	606+20	
D3-SP 418	5' x 7' x 94' " " "	622+50	
Rev D3-Std 163	5' x 7' x 46' " " "	644+30	
"	7' x 7' x 42' " " "	657+50	
D3-SP 417	10' x 4' x 34'-10" " " "	673+50	
RG-1199A to D	North St. Vrain River Bridge	732+65	733+31
1-36	Cross Sections	500+00	740+00



U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DIVISION NO. 9 DENVER, COLORADO

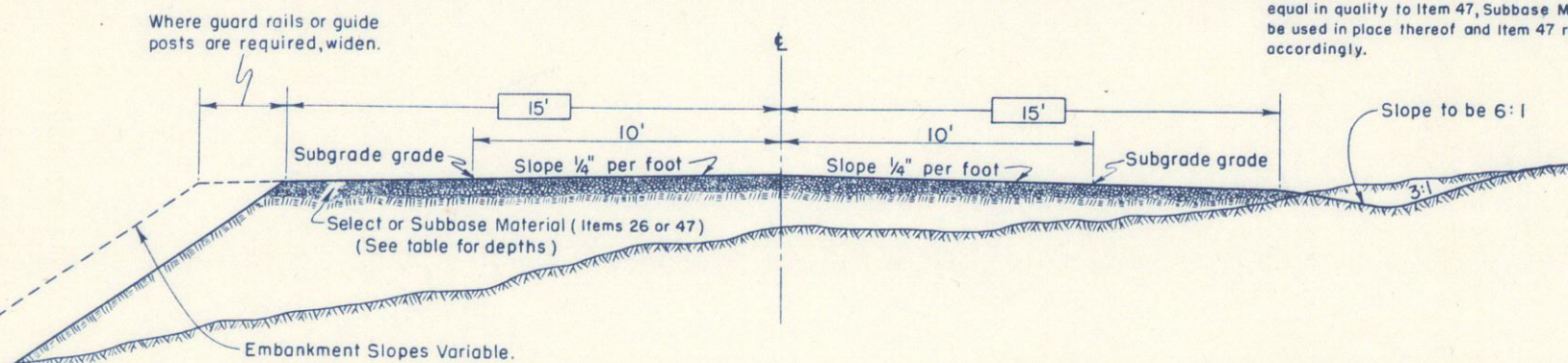
APPROVED _____ DATE _____ 19____
ACTING DIVISION ENGINEER
BY DESIGN ENGINEER
APPROVED _____ DATE _____ 19____
DISTRICT ENGINEER
APPROVED _____ DATE _____ 19____
REGIONAL FORESTER
APPROVED _____ DATE _____ 19____
CHIEF ENGINEER
COLORADO DEPARTMENT OF HIGHWAYS



TYPICAL HALF CUT SECTION IN ROCK

TYPICAL HALF CUT SECTION IN COMMON

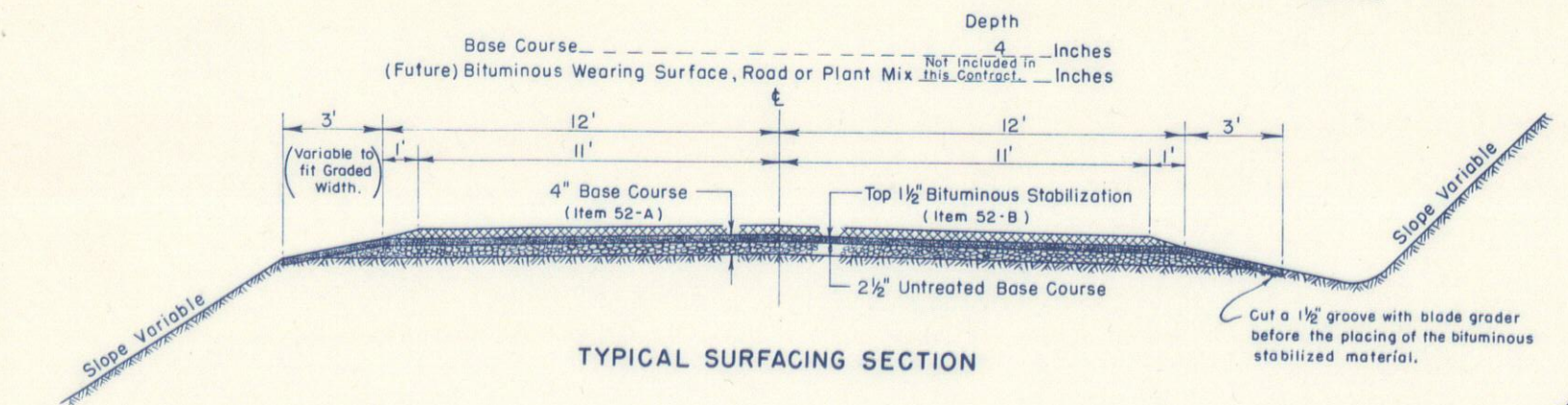
Item 26 or 47, Unclassified Excavation for Borrow and Subbase Material, variable depths, (See Table).
Any materials encountered in the prism excavation, Item 24, or Unclassified Excavation for Borrow, Item 26, which are in the opinion of the engineer, equal in quality to Item 47, Subbase Material shall be used in place thereof and Item 47 reduced accordingly.



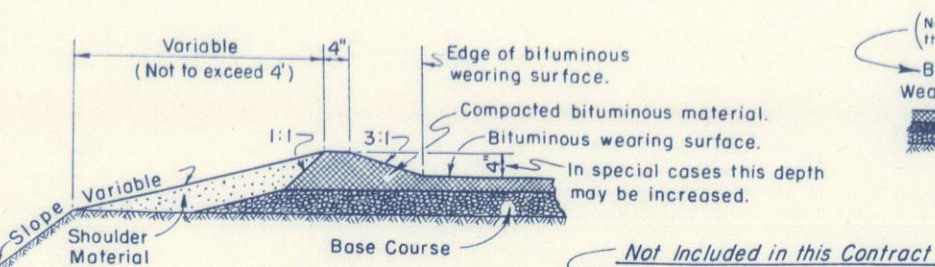
TYPICAL HALF EMBANKMENT SECTION

TYPICAL HALF SHALLOW EMBANKMENT SECTION

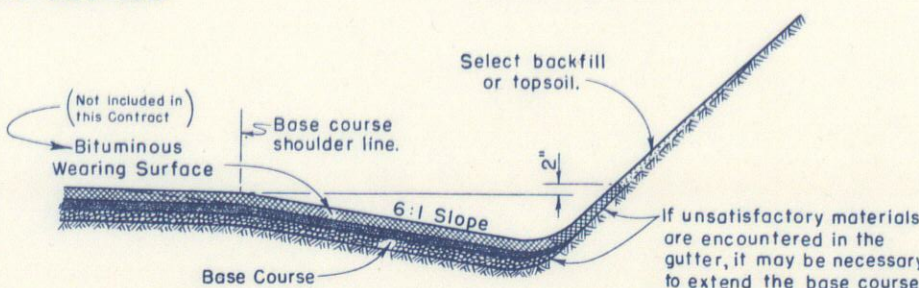
Item 52-A, Crushed Gravel or Crushed Stone Base Course, Class 2, Grading D-1, 4" compacted depth.
Item 52-B, Bituminous Stabilization of Base, Top 1 1/2" of Item 52-A to be stabilized with Bituminous materials.



TYPICAL SURFACING SECTION



DETAIL OF RAISED BITUMINOUS SHOULDER ON WIDENED SECTIONS



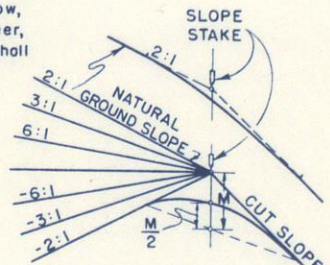
DETAIL OF BITUMINOUS GUTTER

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

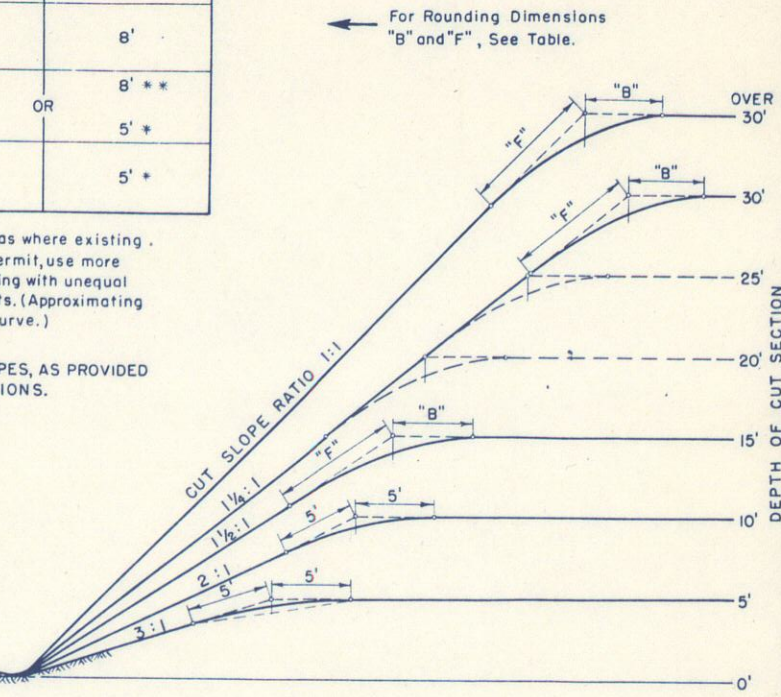
† Measured on slope surface.
** Desirable
* Minimum (Wooded)
These ratios are desirable in steep terrain.

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 ITEM 24-3.9, F.P.-41 SPECIFICATIONS.



CUT SLOPE ROUNDING



SELECT OR SUBBASE MATERIAL

STATION to STATION		DEPTH Item 26	DEPTH Item 47
500+00	502+78	5"	4"
502+78	508+20	—	6"
508+20	514+88	5"	4"
514+88	522+25	—	6"
522+25	525+31	5"	4"
525+31	537+61	—	6"
537+61	543+40	5"	4"
543+40	547+81	—	6"
547+81	549+06	5"	4"
549+06	558+63	—	6"
558+63	561+45	5"	4"
561+45	568+04	—	6"
568+04	569+03	5"	4"
569+03	579+48	—	6"
579+48	581+25	—	4"
581+25	582+00	5"	4"
582+00	585+00	—	4"
585+00	596+75	5"	4"
596+75	607+50	—	4"
607+50	632+25	5"	4"
632+25	650+00	5"	4"
650+00	671+00	—	4"
671+00	679+00	—	6"
679+00	683+00	5"	4"
683+00	692+80	—	6"
692+80	708+00	5"	4"
708+00	711+33	—	4"
711+33	717+50	6"	4"
717+50	740+00	—	4"

GENERAL NOTES

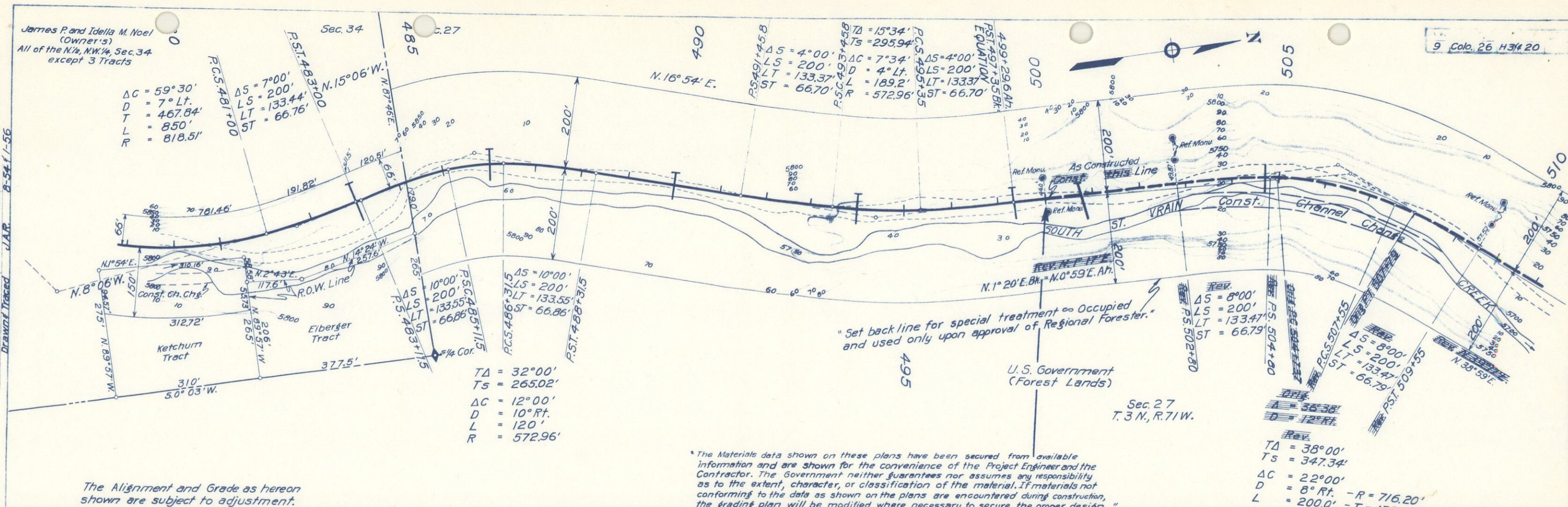
Where Borrow is specified in the contract and satisfactory material is found in the roadway excavation, the right is reserved to increase the amount of Unclassified Excavation and reduce the Unclassified Excavation for Borrow. When additional material is needed for completing embankments, stabilizing 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 of 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.
Subgrade grade to be on the surface of stabilized graded road and located ten feet from center line on tangents and insides of curves.
Bureau of Public Roads book of, "Transition Curves for Highways," shall be used to determine superelevation and transition lengths (Table I), and widening of curves (Table IX).

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

TYPICAL CROSS SECTIONS NATIONAL FOREST & PARK HIGHWAYS

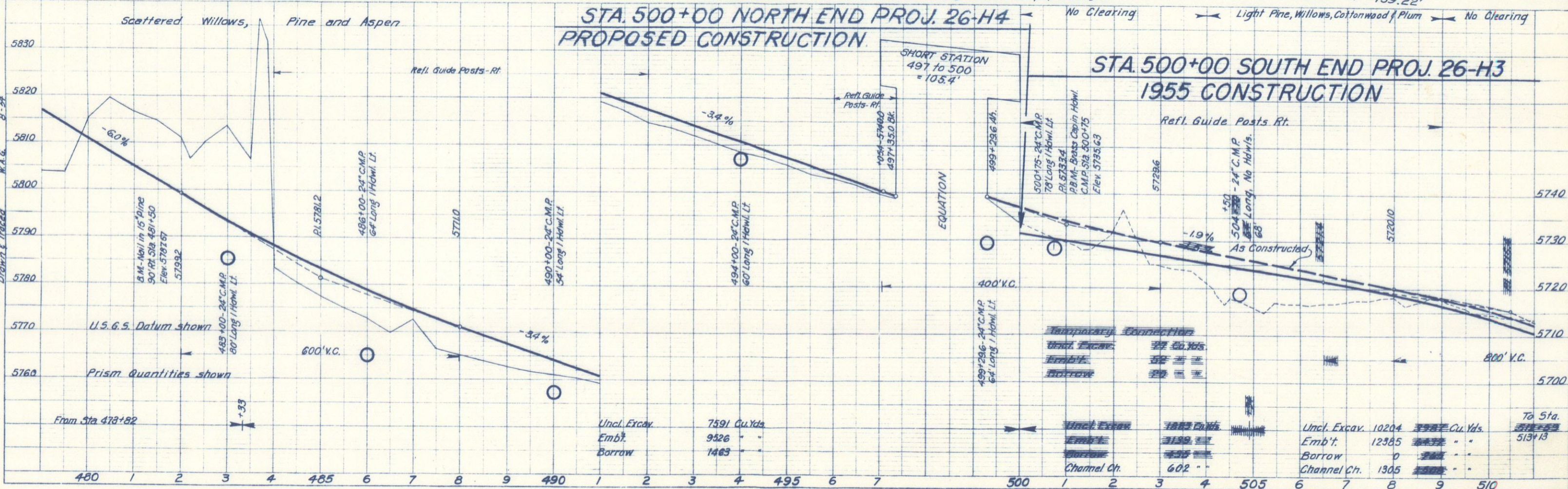
DIVISION No. 9 STANDARD ROADBED: GRADED 30' Shoulder to Shoulder.
PROJECT: Colo. 26-H3, South St. Vrain
NATIONAL Forest: Roosevelt
COUNTY: Boulder
STATE: Colorado
BASE COURSE 24' Not Included in this Contract.
BITUMINOUS WEARING SURFACE

APPROVED: *Alfred E. Learned* Date: June 21, 1954
Design Engineer

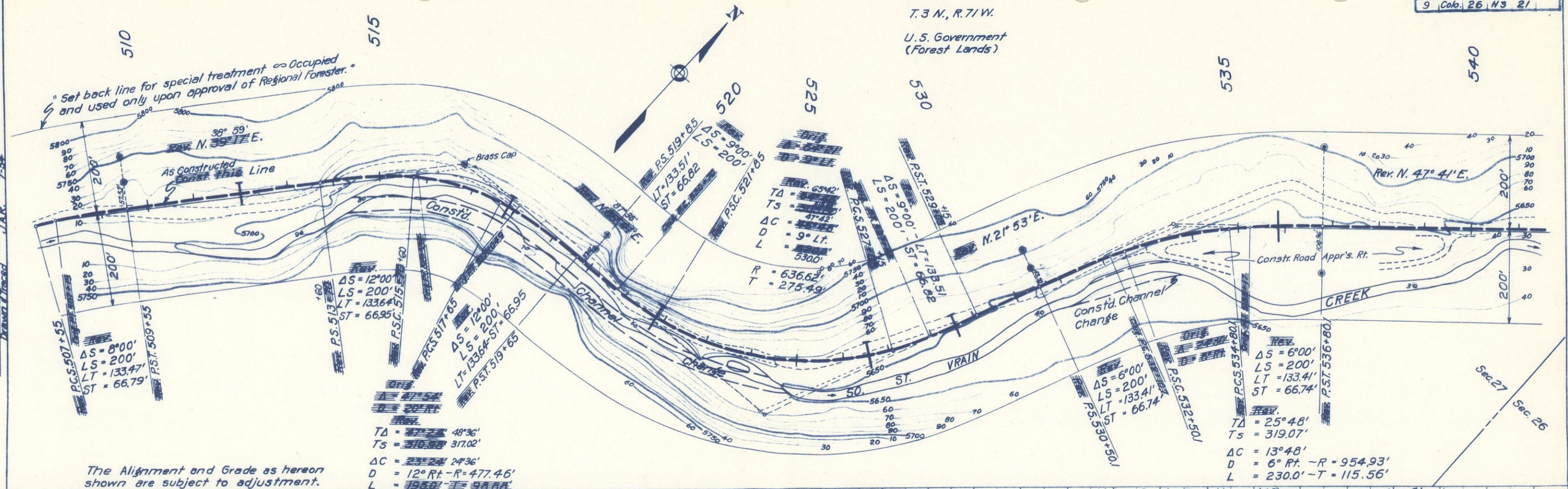


The Alignment and Grade as hereon shown are subject to adjustment.

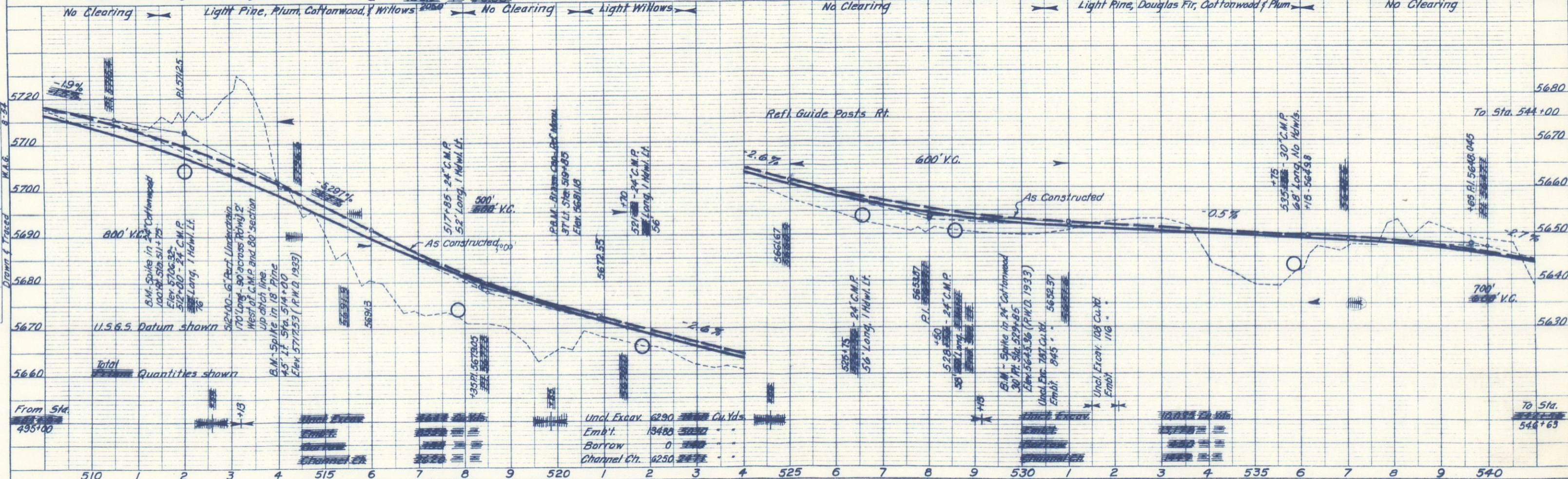
* The Materials data shown on these plans have been secured from available information and are shown for the convenience of the Project Engineer and the Contractor. The Government neither guarantees nor assumes any responsibility as to the extent, character, or classification of the material. If materials not conforming to the data as shown on the plans are encountered during construction, the grading plan will be modified where necessary to secure the proper design.



As Constructed. SOUTH ST. VRAIN



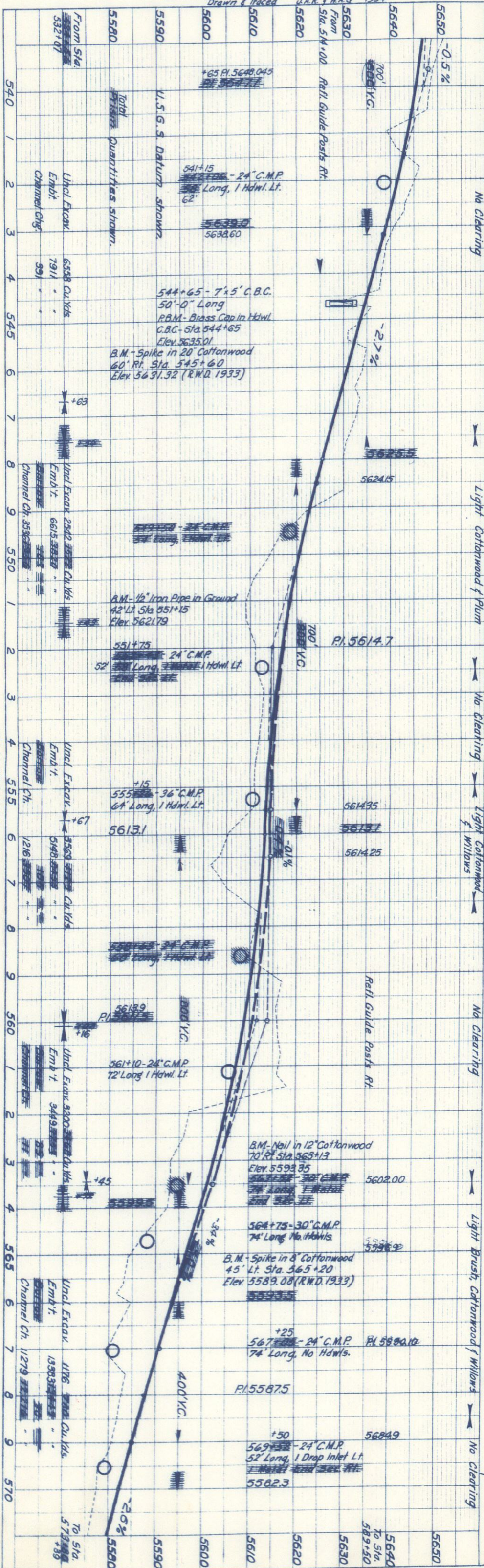
The Alignment and Grade as hereon shown are subject to adjustment.



PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	RWD-1933-B.E.I.	1934
NO.	GRADES CHECKED		
	B.M.S. NOTED		
	STRUCTURE NOTATIONS CHECKED		

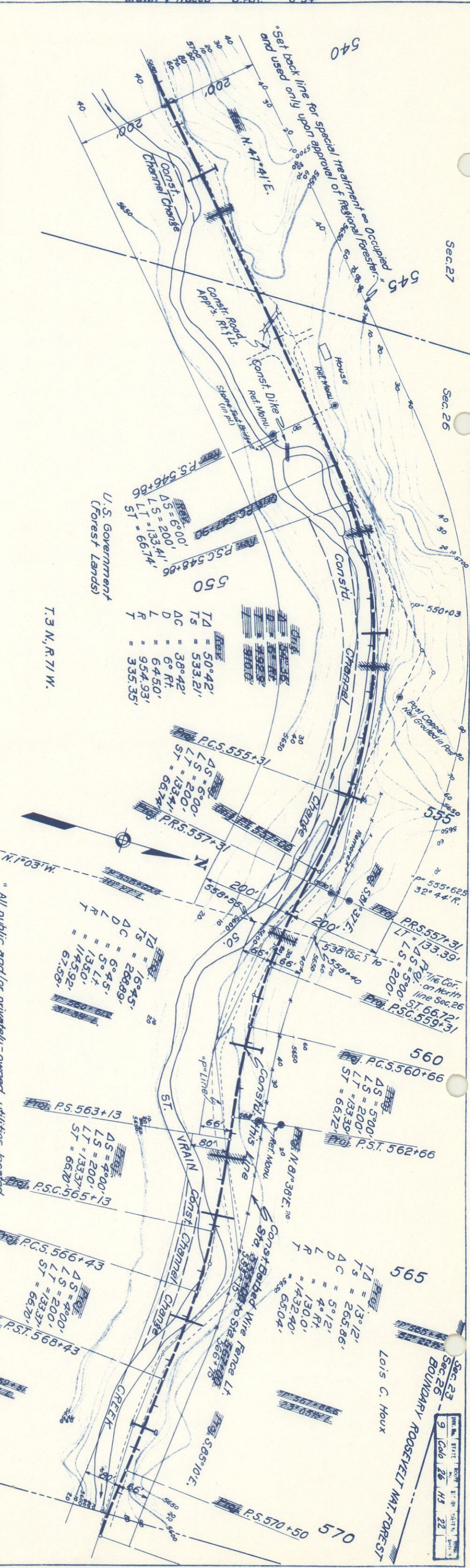
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	RWD-1933-B.E.I.	1934
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

Colo. 26- South St. Vrain
Sta. 540+00 to Sta. 570+00
Sheet No. 22

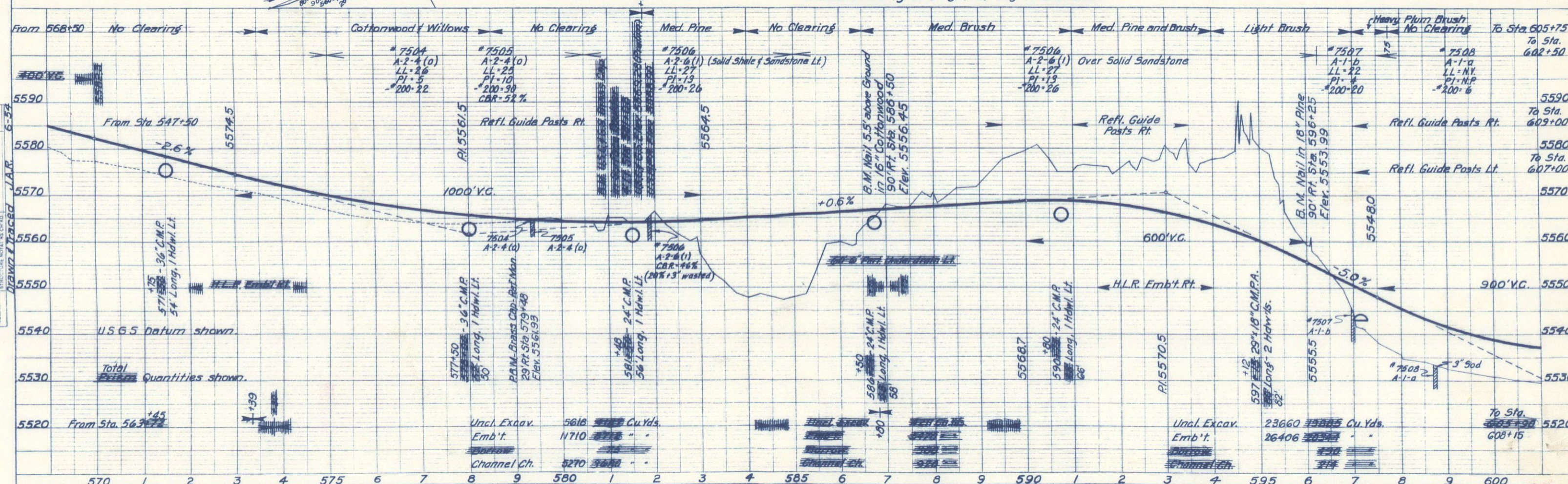
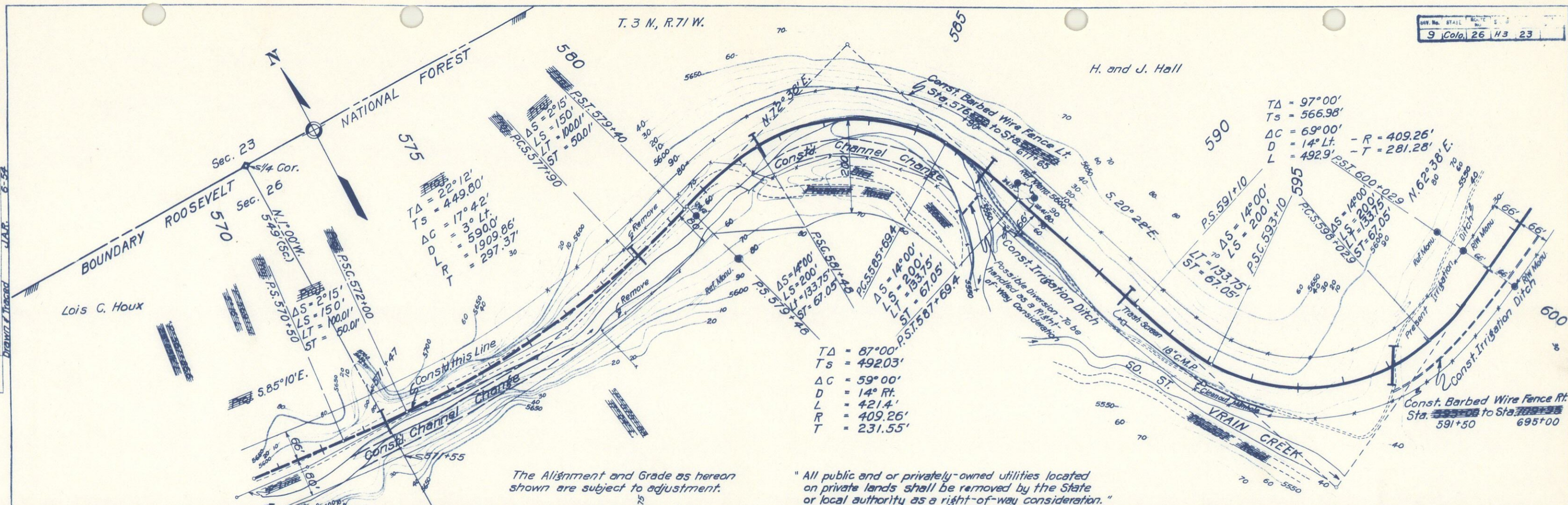


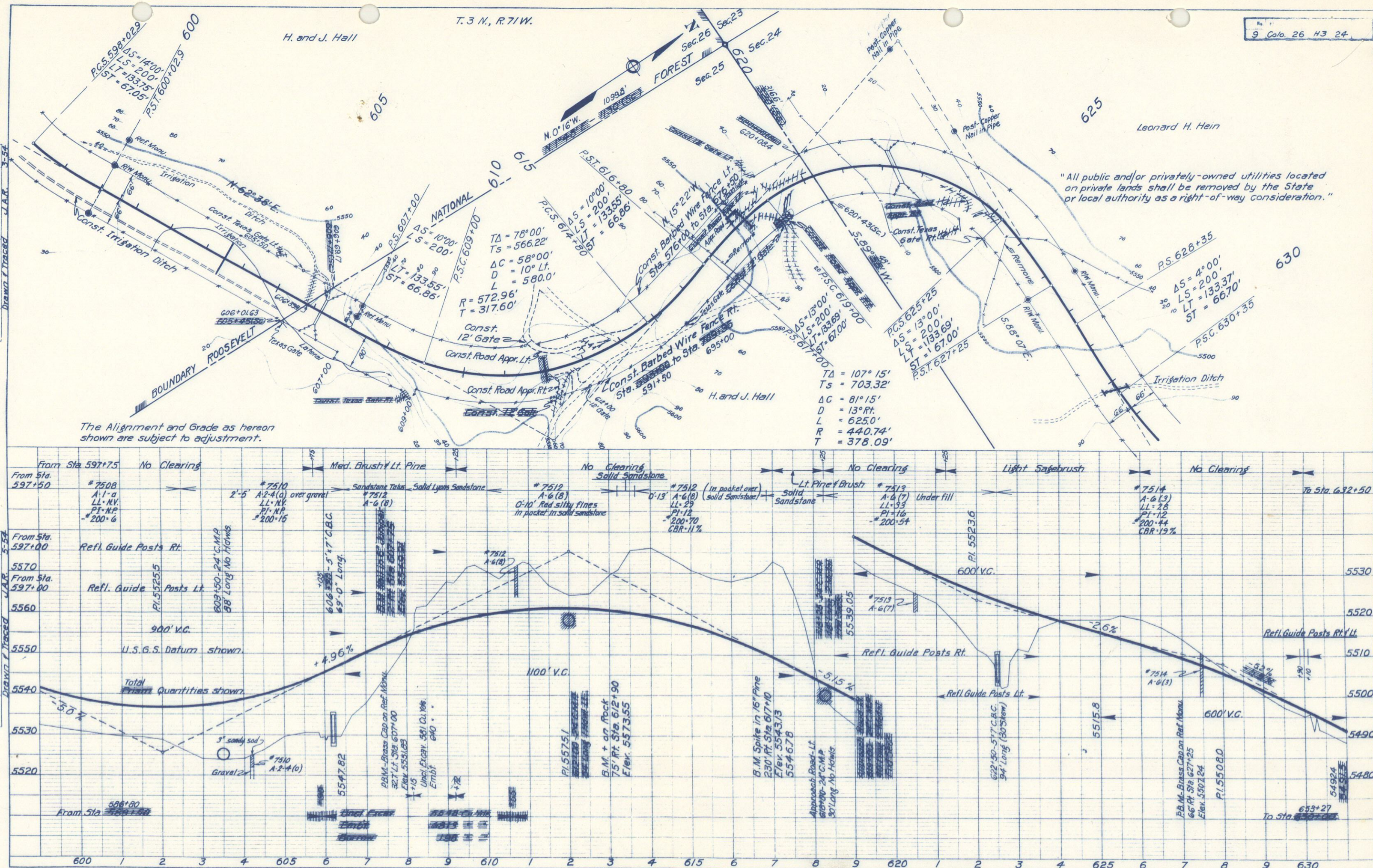
The Alignment and Grade as hereon shown are subject to adjustment.

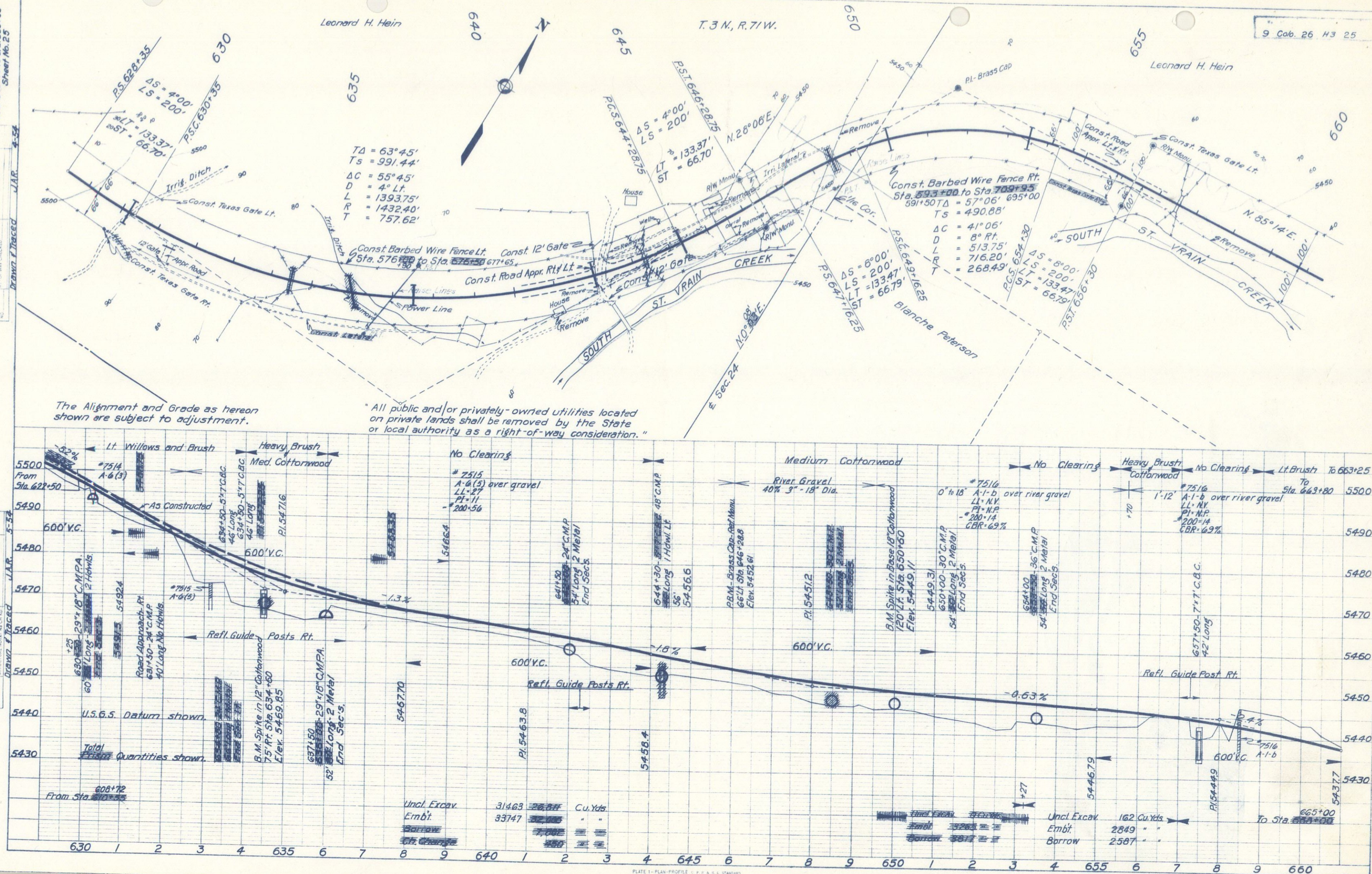
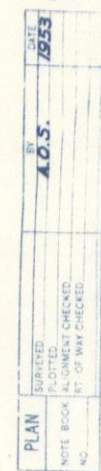
"All public and/or privately-owned utilities located on private lands shall be removed by the State or local authority as a right-of-way consideration."

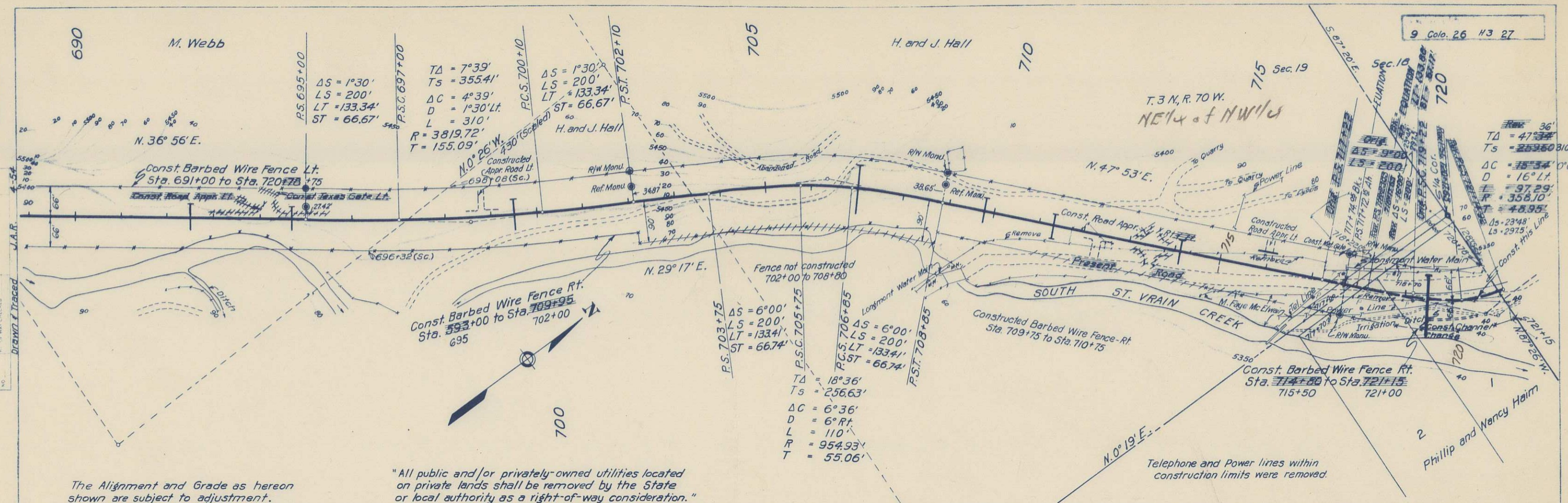


Sec. 23
Sec. 26
BOUNDARY ROOSEVELT NAT. FOREST
Lois C. Houx









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

"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."

Telephone and Power lines within construction limits were removed.

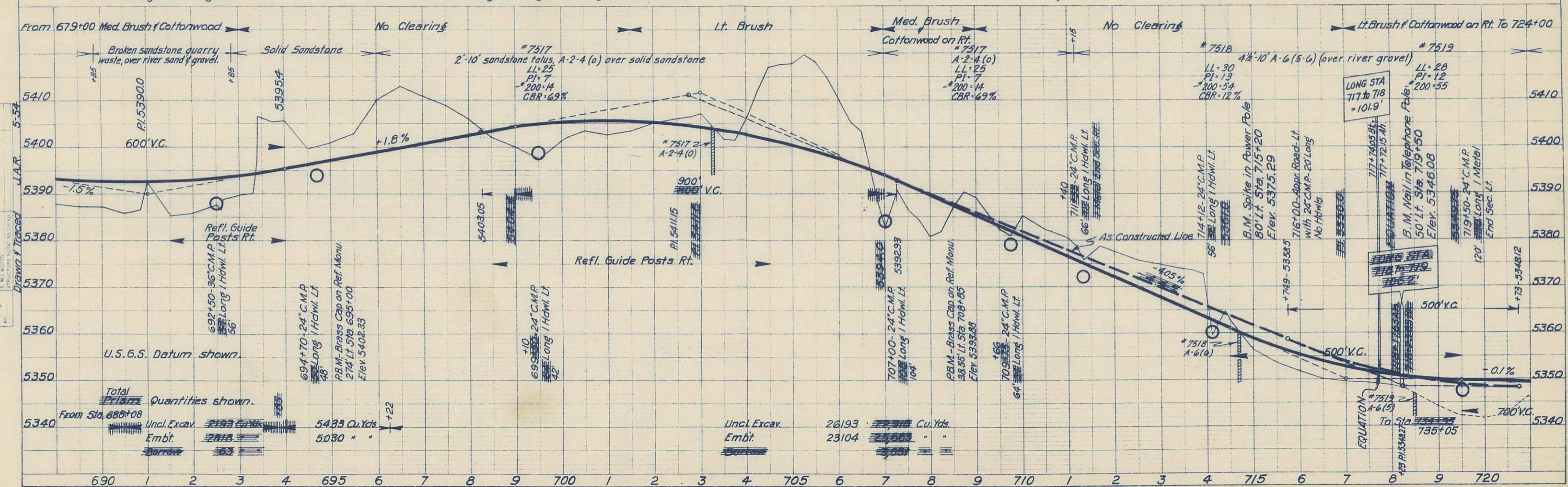


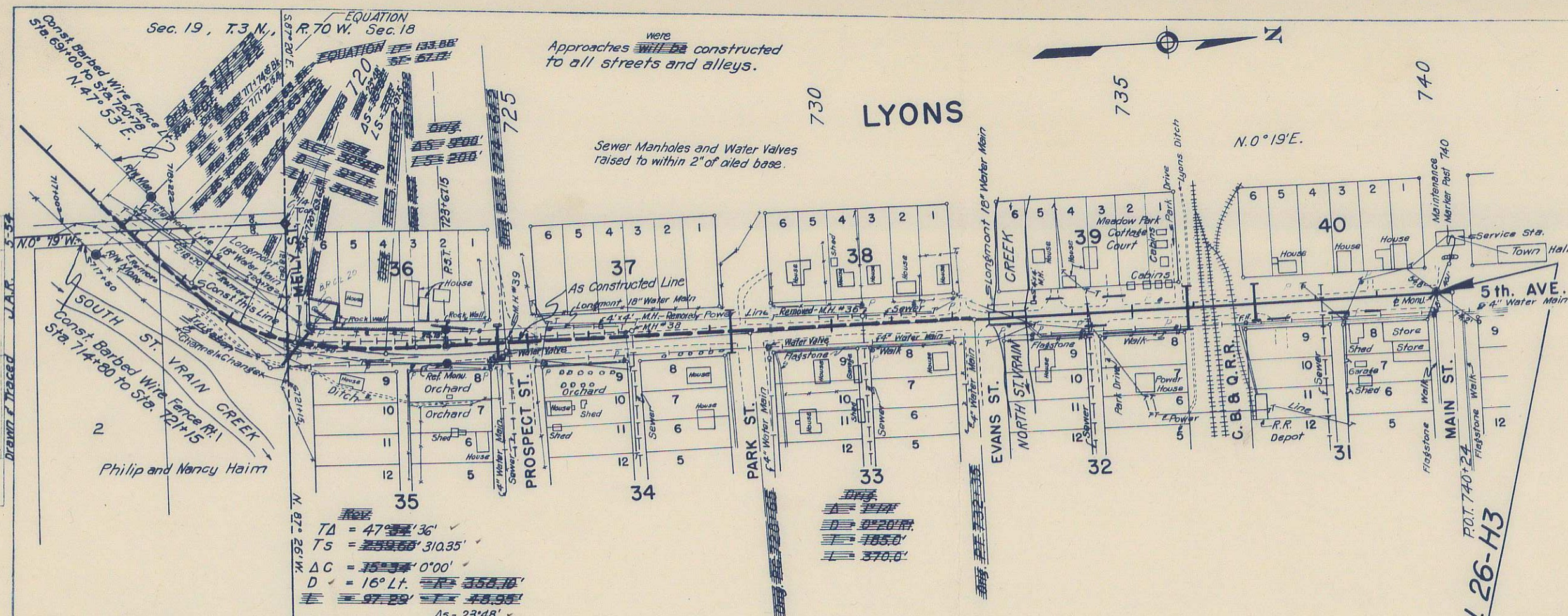
PLATE 1 - PLAN PROFILE OF P.M.A.R.C. STANDARD
WHEEL & TIRE CO. NEW YORK

As Constructed. SOUTH ST. VRAIN

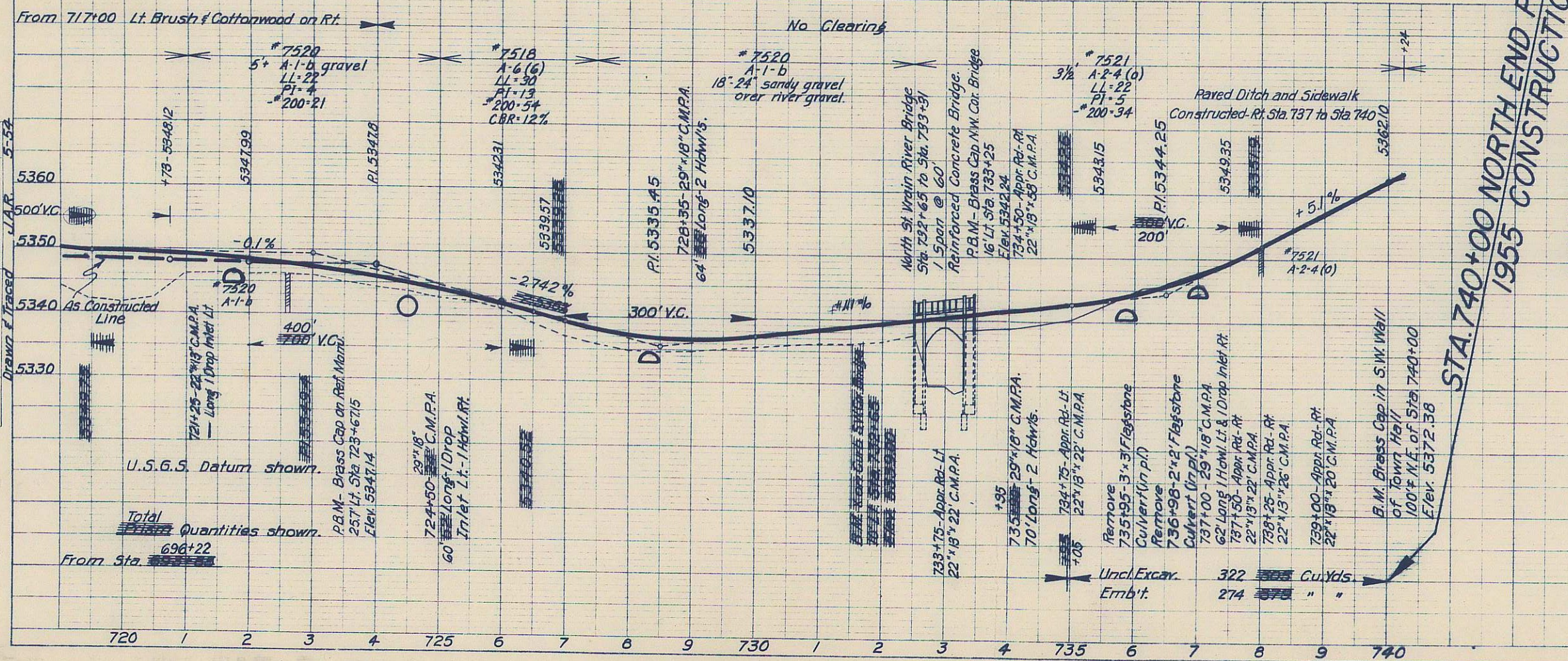
Colo. 26 South St. Vrain
Sta. 720+00 to Sta. 740+24
Sheet No. 26

PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNED CHECKED
RT. OF WAY CHECKED
NO.
DATE
BY
J.A.R. 5-54

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
STRUCTURE NOTATIONS ON NO.
NO.
DATE
BY
J.A.R. 5-54



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

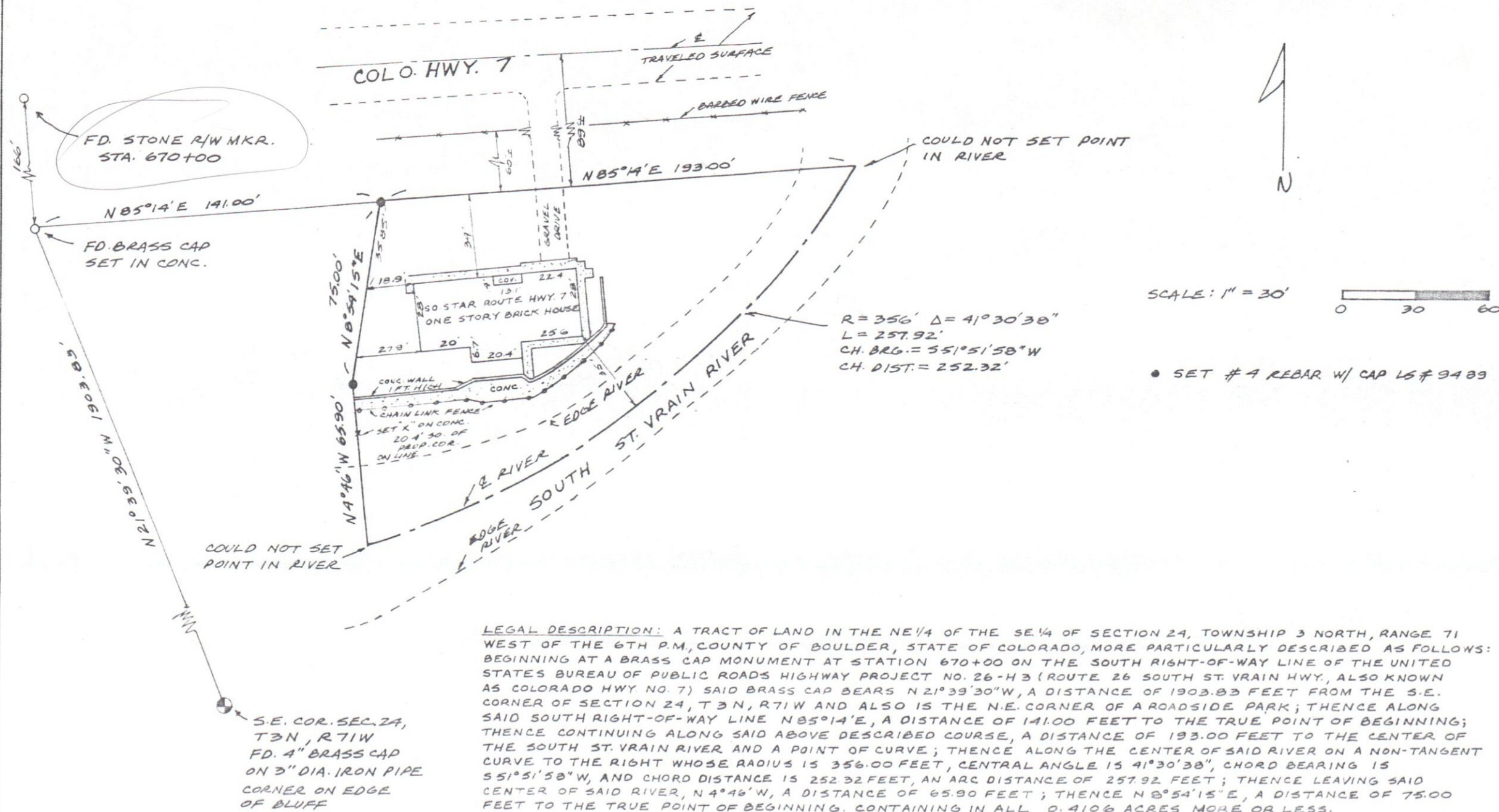


All public and/or privately-owned utilities located on private lands shall be removed by the State or local authority as a right-of-way consideration."

APPROACH CULVERTS	
Shown on Plan Sheet	
721+00 - Road App.	22' - 22" 18" C.M.P.A. - 2 Hdwls.
733+70 - " "	22' - 22" 18" C.M.P.A. - 2 Hdwls.
734+40 - " "	36' - 22" 18" C.M.P.A. - No Hdwls.
734+70 - " "	22' - 22" 18" C.M.P.A. - 2 Hdwls. End Secs.
736+50 - Under R.R. tracks	36' - 22" 18" C.M.P.A. - 2 Hdwls.
736+50 - " "	36' - 22" 18" C.M.P.A. - 2 Hdwls.
737+50 - Road App.	22' - 22" 18" C.M.P.A. - No Hdwls.
738+00 - " "	22' - 22" 18" C.M.P.A. - No Hdwls.
738+30 - " "	36' - 22" 18" C.M.P.A. - No Hdwls.
739+00 - " "	22' - 22" 18" C.M.P.A. - No Hdwls.

PARCEL LOCATED IN THE NE 1/4 OF THE SE 1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 71 WEST OF THE 6TH P.M.

PARCEL LOCATED IN THE NE 1/4 OF THE SE 1/4 OF SECTION 24, TOWNSHIP 3 NORTH, RANGE 71 WEST OF THE 6TH P.M.



LEGAL DESCRIPTION: A TRACT OF LAND IN THE NE $\frac{1}{4}$ OF THE SE $\frac{1}{4}$ OF SECTION 29, TOWNSHIP 3 NORTH, RANGE 71 WEST OF THE 6TH P.M., COUNTY OF BOULDER, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A BRASS CAP MONUMENT AT STATION 670+00 ON THE SOUTH RIGHT-OF-WAY LINE OF THE UNITED STATES BUREAU OF PUBLIC ROADS HIGHWAY PROJECT NO. 26-H3 (ROUTE 26 SOUTH ST. VRAIN HWY., ALSO KNOWN AS COLORADO HWY NO. 7) SAID BRASS CAP BEARS N 21°39'30"W, A DISTANCE OF 1903.83 FEET FROM THE S.E. CORNER OF SECTION 24, T3N, R71W AND ALSO IS THE N.E. CORNER OF A ROADSIDE PARK; THENCE ALONG SAID SOUTH RIGHT-OF-WAY LINE N 85°14'E, A DISTANCE OF 141.00 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID ABOVE DESCRIBED COURSE, A DISTANCE OF 193.00 FEET TO THE CENTER OF THE SOUTH ST. VRAIN RIVER AND A POINT OF CURVE; THENCE ALONG THE CENTER OF SAID RIVER ON A NON-TANGENT CURVE TO THE RIGHT WHOSE RADIUS IS 356.00 FEET, CENTRAL ANGLE IS 41°30'38", CHORD BEARING IS S 51°51'50"W, AND CHORD DISTANCE IS 252.32 FEET, AN ARC DISTANCE OF 257.92 FEET; THENCE LEAVING SAID CENTER OF SAID RIVER, N 4°46'W, A DISTANCE OF 65.90 FEET; THENCE N 8°54'15"E, A DISTANCE OF 75.00 FEET TO THE TRUE POINT OF BEGINNING. CONTAINING IN ALL 0.4106 ACRES MORE OR LESS.

CERTIFICATE OF SURVEY: I HEREBY CERTIFY THAT ON JULY 3, 1990, A SURVEY WAS DONE ON THE ABOVE DESCRIBED PROPERTY UNDER MY DIRECT SUPERVISION AND THE CORNERS WERE SET AS SHOWN, HOLDING FOUND POINTS AND DEED DISTANCES WHEREVER POSSIBLE. I FURTHER CERTIFY THAT THE IMPROVEMENTS ON THE ABOVE PARCEL ON THIS DATE, JULY 3, 1990, EXCEPT UTILITY CONNECTIONS ARE ENTIRELY WITHIN THE BOUNDARIES OF THE PARCEL, EXCEPT AS SHOWN, THAT THERE ARE NO ENCROACHMENTS UPON THE DESCRIBED PREMISES, EXCEPT AS INDICATED, AND THAT THERE IS NO EVIDENCE OR SIGN OF ANY EASEMENT CROSSING OR BURDENING ANY PART OF SAID PARCEL, EXCEPT AS NOTED.

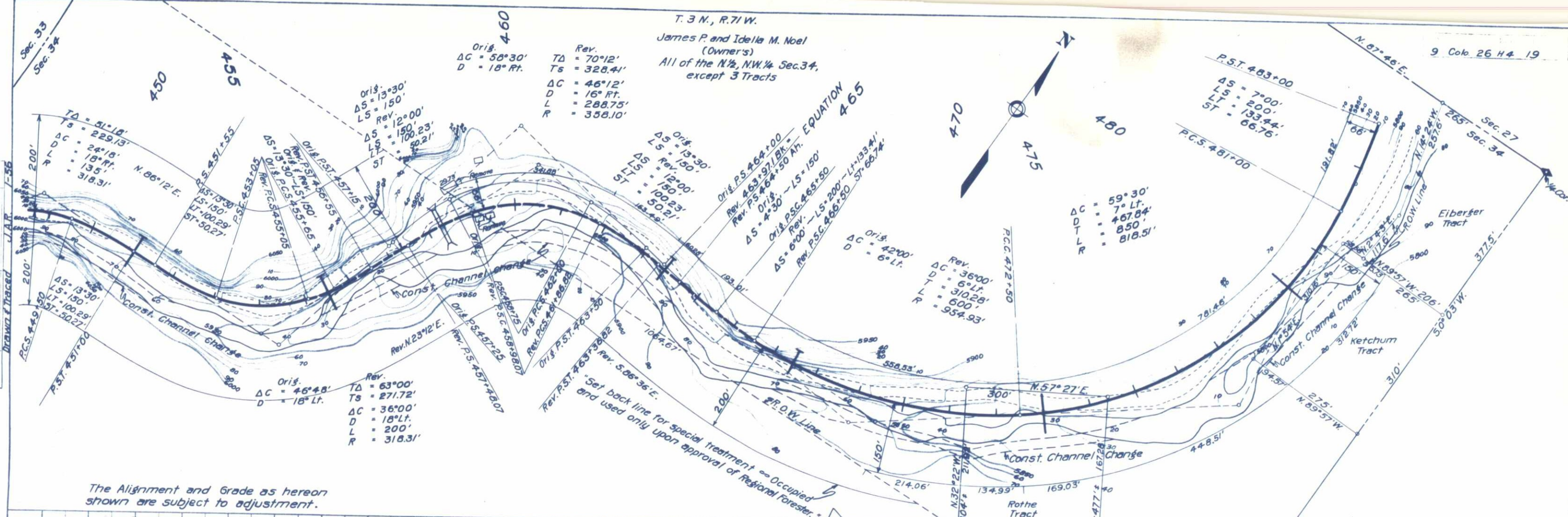
⁰ Michael S. Chessnoe
MICHAEL S. CHESSNOE, P.E. & L.S.



COUNTY SURVEYOR'S CERTIFICATE

DEPOSITED THIS ____ DAY OF ____ 19__ AT ____ M. IN BOOK ____ OF THE COUNTY SURVEYOR'S LAND
SURVEY PLATS/RIGHT-OF-WAY SURVEYS AT PAGE ____, RECEPTION NUMBER ____

COUNTY SURVEYOR



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

