

CHelsea

STATE OF MAINE STATE HIGHWAY COMMISSION

PLANS

CHELSEA

KENNEBEC COUNTY

MAINE FEDERAL AID SECONDARY

PROJECT NO. S-0205(3)

TOTAL LENGTH 1.249 MILES

SCALES
 PLAN 1 IN. = 50 FT.
 PROFILE HOR. 1 IN. = 50 FT.
 VER. 1 IN. = 5 FT.
 CROSS SECTIONS 1 IN. = 5 FT.

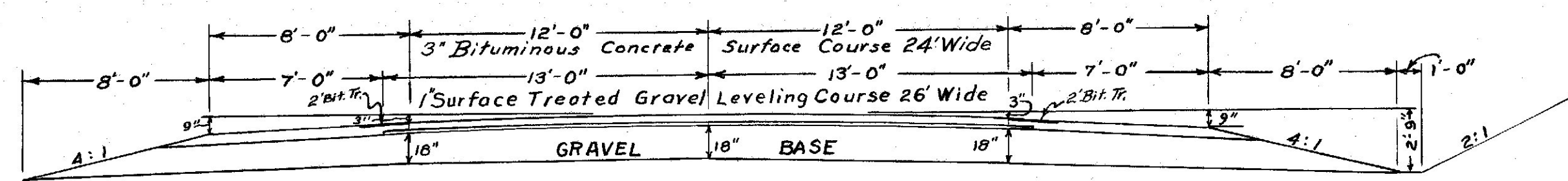
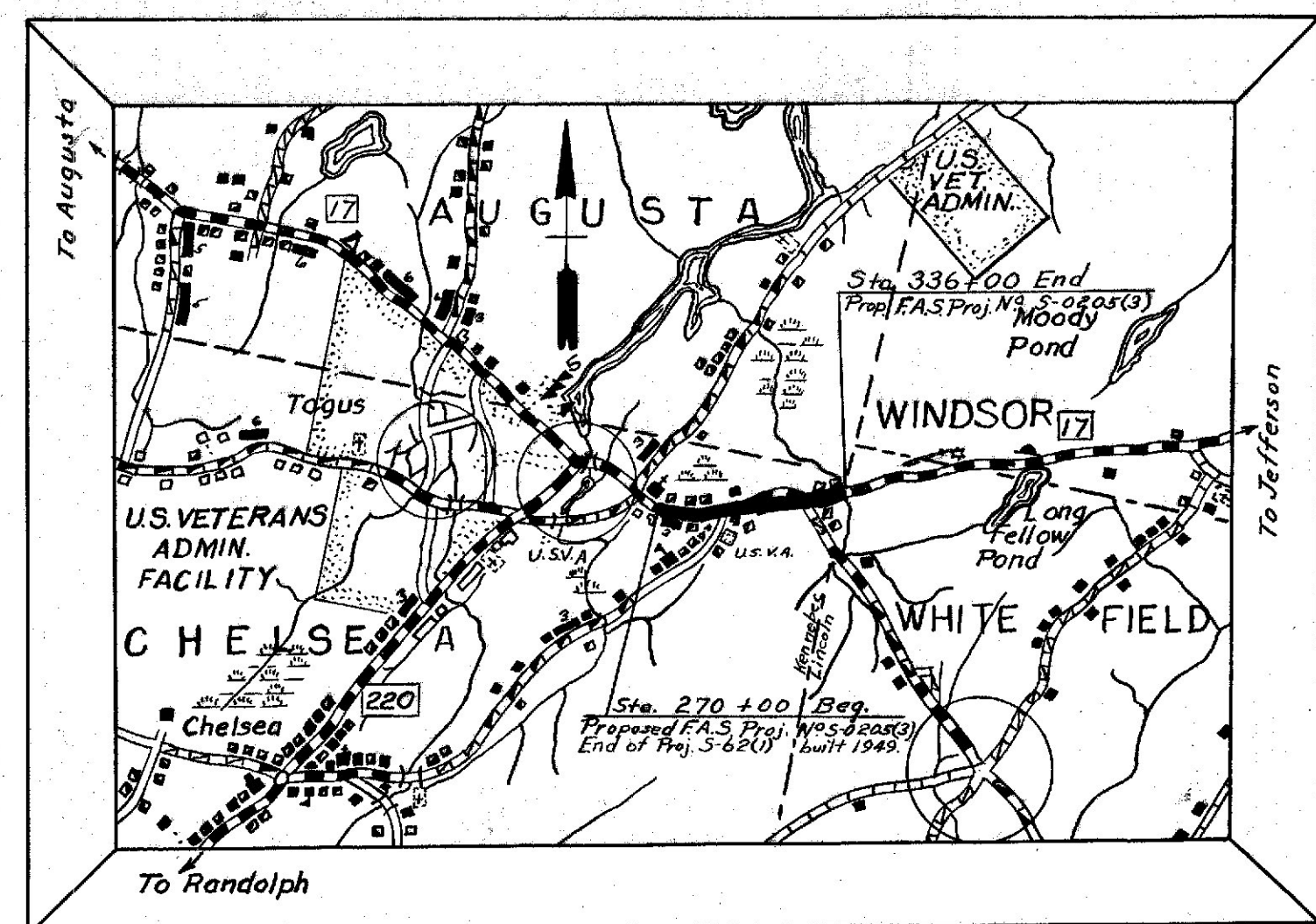
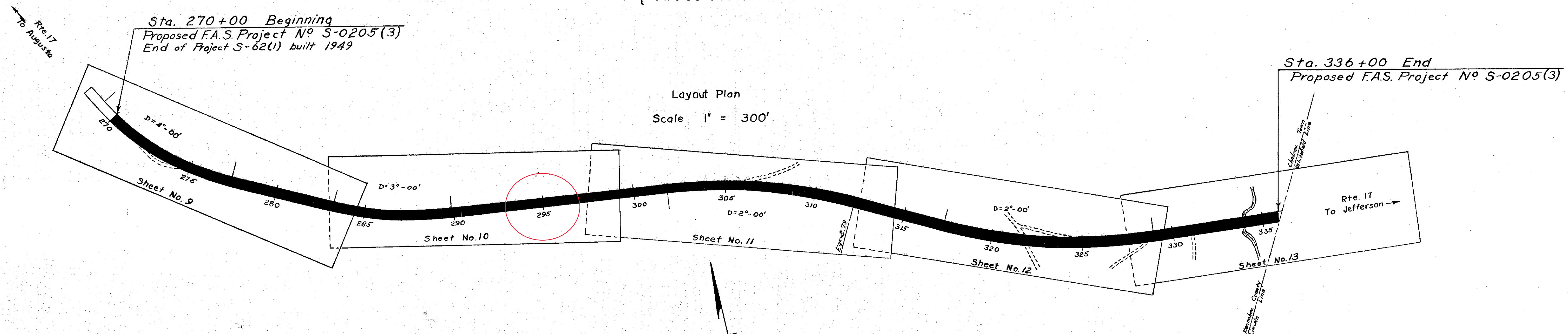
CONVENTIONAL SIGNS

STATE OR NATIONAL LINE	-----	SURVEY LINE	---S---N---
COUNTY LINE	-----	CULVERT	---C---
TOWN LINE	-----	DROP INLET	---D---
UNFENCED PROPERTY	-----	TROLLEY POLE	---T---
FENCE	-----	POWER POLE	---P---
RIGHT OF WAY LINE	-----	TEL. POLE	---TEL---
TRAVELED WAY	-----	MARSH	---M---
RAILROAD	-----	TREES	---T---
RETAINING WALL	-----	STONE WALL	---S---

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE	STA. 270+0 to 336+0
SHEET NO. 2	TYPICAL SECTIONS	
SHEET NO. 3	QUANTITIES	
SHEET NO. 4, 5 & 6	STANDARD DETAILS	
SHEET NO. 9 to 13	PLAN AND PROFILE	STA. 270+0 to 336+0
SHEET NO. 14 to 27	CROSS-SECTIONS	STA. 270+0 to 336+0
SHEET NO. 7 & 8	BRIDGES	STA. 334+10±
SHEET NO.	SPECIAL DETAILS	

Sheet 7 & 8 to be MAINT.



Note: All work contemplated under this contract to be governed by, and in conformity with the Standard Specifications, Revisions of Jan. 1956, except as modified on these plans.

NOTE: The soils classification and/or soundings shown on these plans are accurate only for the immediate locations at which they are taken, and no warranty is made, or implied, with respect to the continuity of soil or rock layers, or to the elevations of their boundaries, except at the actual boring or sounding locations.

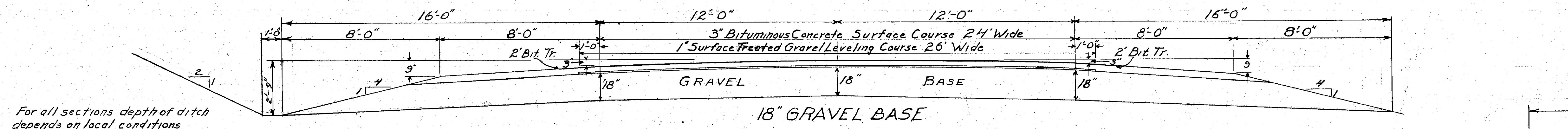
APPROVED:
 MAINE STATE HIGHWAY COMMISSION
Daniel H. Stevens
 Chairman
Charles S. Cross
Harold B. Emery
Charles H. Dyer
 Chief Engineer

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 DIVISION 1

APPROVED:
 [Signature Box]
 DISTRICT ENGINEER
 [Signature Box]
 DATE

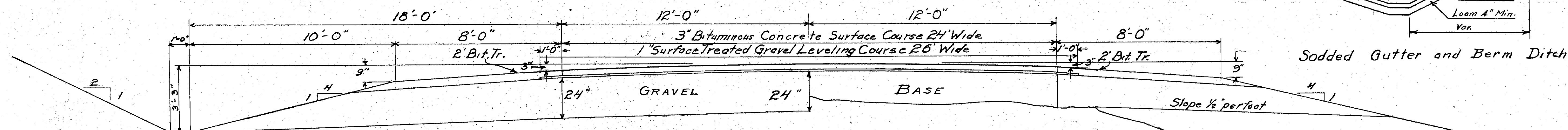
STANDARD SECTIONS FOR F.A.S. PROJECT No. S-0205(3) BITUMINOUS CONCRETE SURFACE

S. P. R.	STATE	FED. AID SEC.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S	0205(3)	2	27



Normal 18" Base Applies to Sta. 281+75 to 283+0, Sta. 292+25 to 296+25, Sta. 313+0 to 316+50, and Sta. 329+50 to 337+0.

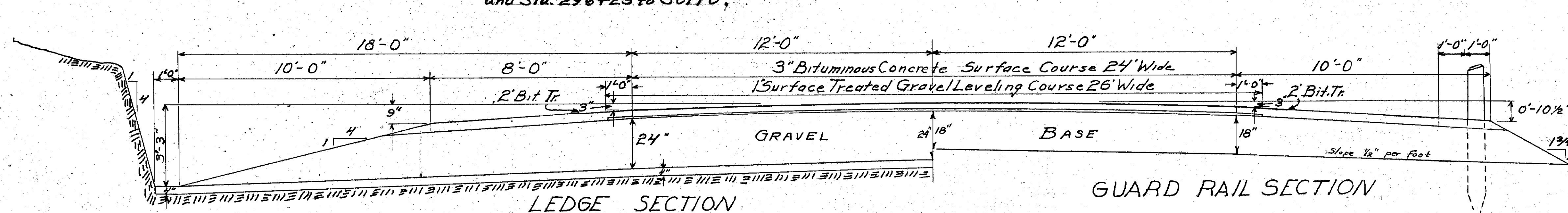
3" Bituminous Concrete Surf. Crse. 24' Wide 46.00 Tons per 100 l.f.
1" Surface Treated Gravel Leveling Course 26' Wide 8.02 C.Y. per 100 l.f.
18" Gravel Base Course 137.04 C.Y. per 100 l.f.
18" Gravel Shoulder (One side only) 65.57 C.Y. per 100 l.f.
4" Gravel Surface Shoulder (One side only) 10.67 C.Y. per 100 l.f.



24" GRAVEL BASE
3" Bituminous Concrete Surf. Crse. 24' Wide 46.00 Tons per 100 l.f.
24" Gravel Base Course 181.48 C.Y. per 100 l.f.
24" Gravel Shoulder (One side only) 94.58 C.Y. per 100 l.f.
Normal 24" Base Applies to Sta. 278+25 to 281+75, Sta. 291+0 to 292+25, and Sta. 296+25 to 301+0.

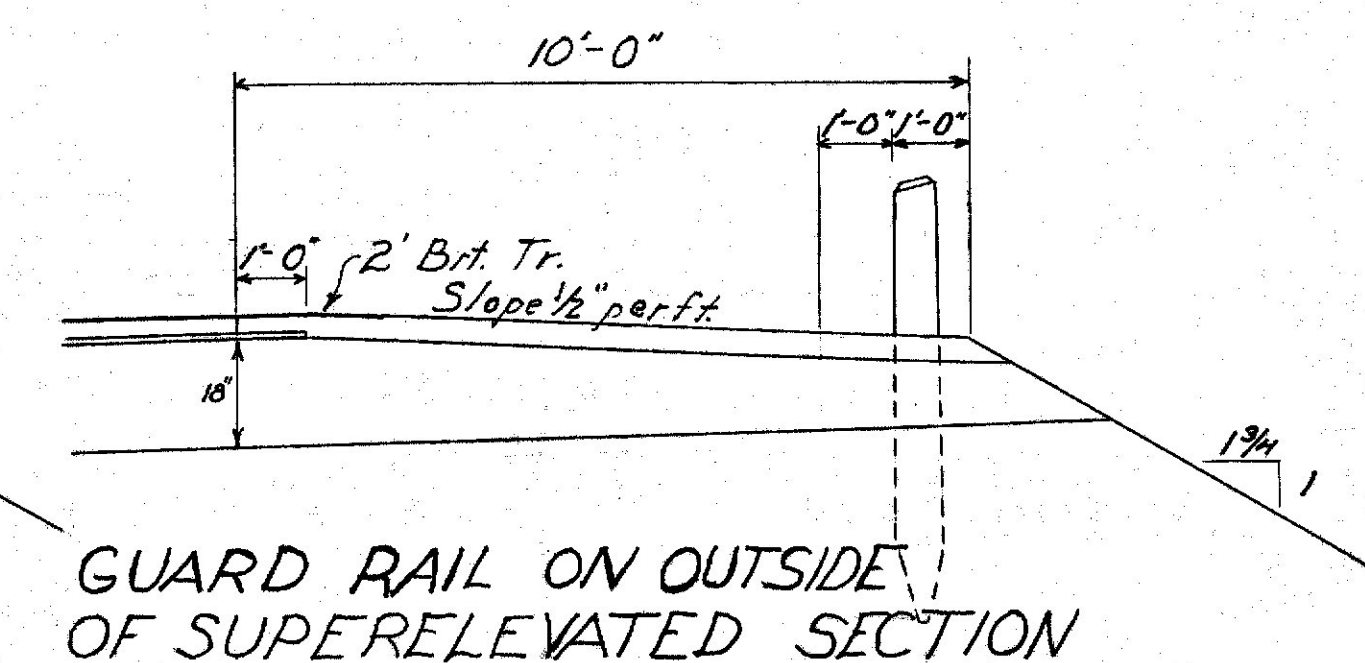
VARIABLE GRAVEL BASE
12" Minimum

Variable Gravel Base Applies to Approaches.



GUARD RAIL SECTION

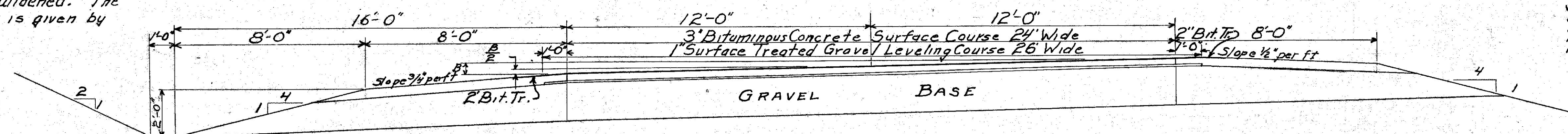
18" Guard Rail Shoulder 60.52 C.Y. Per 100 l.f.
4" Gravel Surface Shoulder 12.44 C.Y. Per 100 l.f.



GUARD RAIL ON OUTSIDE OF SUPERELEVATED SECTION

18" Guard Rail Shoulder 50.84 C.Y. Per 100 l.f. + 3 Bank
4" Gravel Surface Shoulder 12.43 C.Y. Per 100 l.f. + 3 Bank

Curves of 1° or more may be superelevated. "B" equals degree of curve x 4, with a minimum of 6' superlevation. Maximum superlevation equals 1" per foot width of pavement. All curves shall have full superlevation at approximately 50' onto the curve from the P.C. and P.T. with a runoff of 200', unless otherwise specified. Curves of 6° or more may be widened. The extra width expressed in feet is given by the formula $\frac{1}{2} V \times 2$.



18" Gravel Shoulder 65.57 C.Y. Per 100 l.f.
24" Gravel Shoulder 94.58 C.Y. Per 100 l.f.
Superelevated 18" Base Applies to Sta. 271+25 to 273+75, Sta. 275+25 to 278+25, Sta. 283+0 to 287+0, Sta. 302+75 to 309+75, Sta. 311+75 to 313+0, Sta. 316+50 to 320+50, and Sta. 328+75 to 329+50.

SUPERELEVATED SECTION
18" Gravel Base Course 24' Wide 133.33 C.Y. Per 100 l.f.
24" Gravel Base Course 24' Wide 177.78 C.Y. Per 100 l.f.
4" Gravel Surface Shoulder (High side only) 10.36 C.Y. Per 100 l.f.

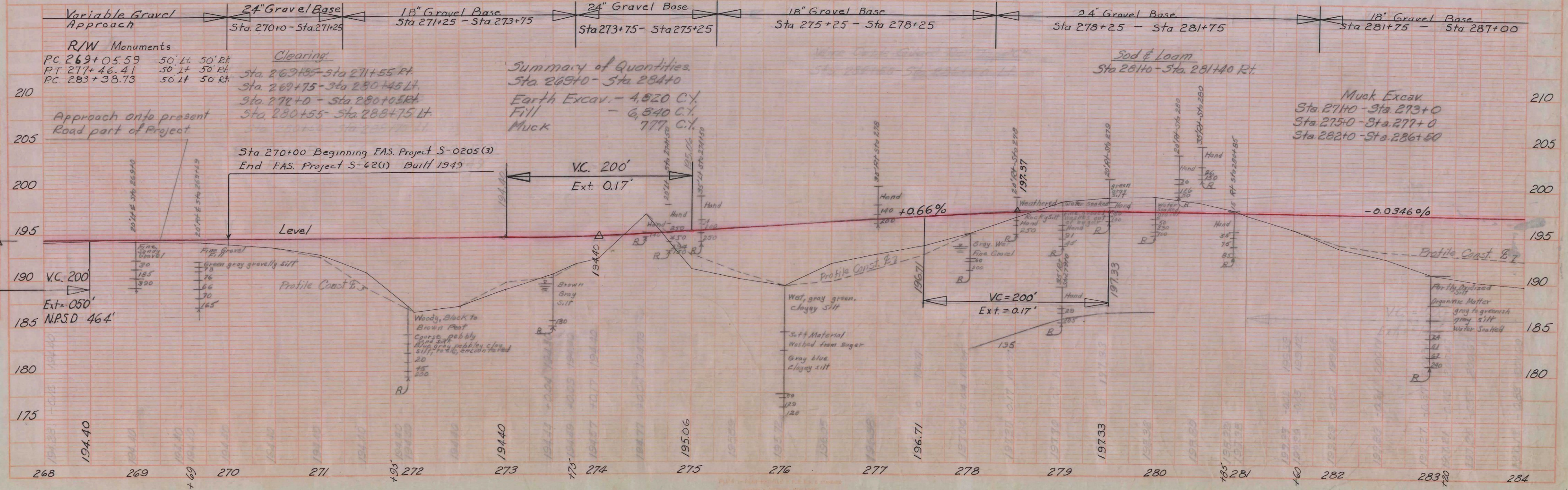
18" Gravel Shoulder 51.11 C.Y. Per 100 l.f. + 3 Bank
24" Gravel Shoulder 77.18 C.Y. Per 100 l.f. + 3 Bank
Superelevated 24" Base applies to Sta. 270+0 to 271+25, Sta. 273+75 to 275+25, Sta. 287+0 to 291+0, Sta. 301+0 to 302+75, Sta. 309+75 to 311+75, and Sta. 320+50 to 328+75.

Where feasible monuments shall be set in right of way lines of right of way acquired by the State, opposite the beginning and end of curves, at angle points, and at suitable intermediate locations determined by the engineer, so that a monument on each side may be observed from each monument.

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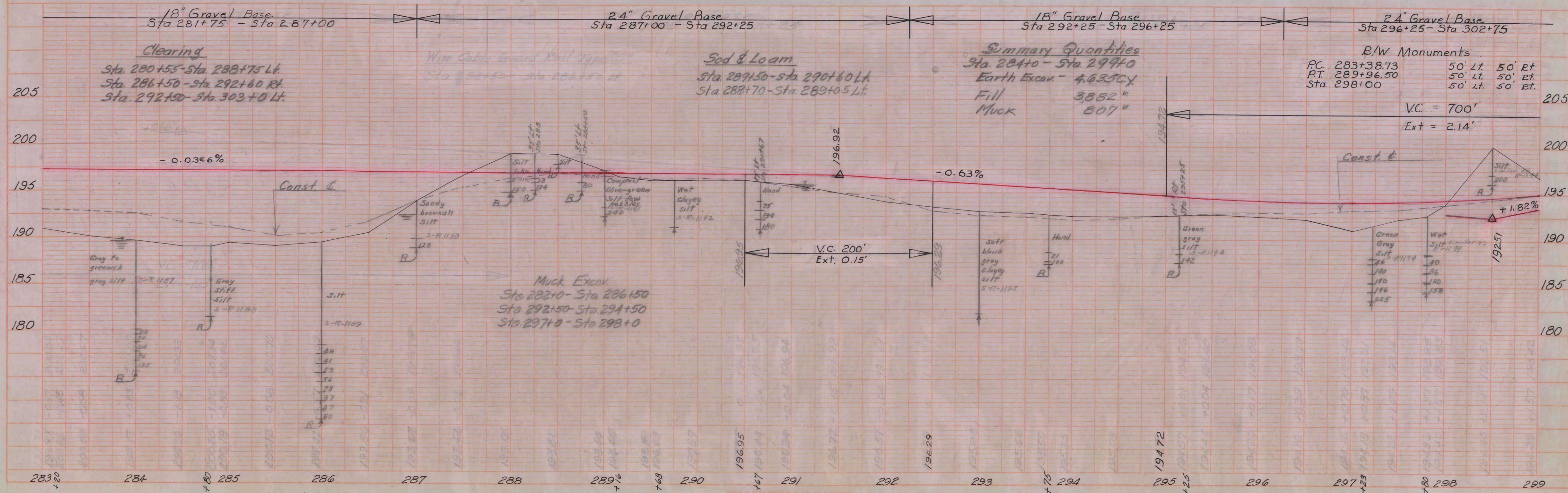
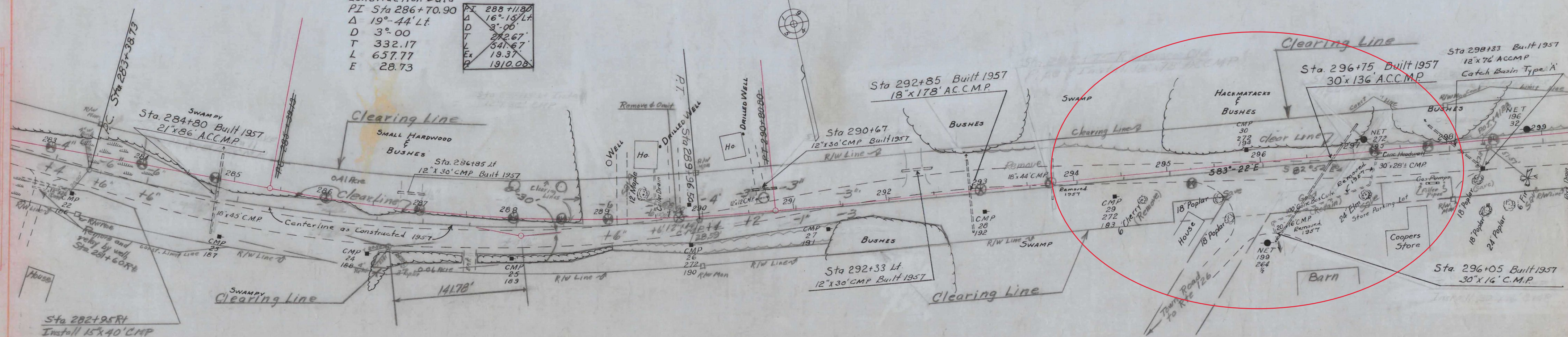
ESTIMATED QUANTITIES			
ITEM NO	DESCRIPTION	QUANTITY	UNIT
201-5	Clearing	8	Acres
203-9	Earth Excavation	39,000	Cu Yds
203-10	Rock Excavation	1,500	Cu Yds
203-12	Muck Excavation	4,300	Cu Yds
204-10	Struct. Earth Excav. - Drainage	300	Cu Yds
204-11	Structural Rock Excav. - Drainage	30	Cu Yds
204-12	Structural Earth Excav. Abut. & Ret. Walls	35	Cu Yds
204-16	Struct. Earth Excav. - Channel	50	Cu Yds
204-18	Removal of Existing Concrete	2	Cu Yds
204-19	Removal Existing Concrete Rail	21	L.F.
205-8	Common Borrow	9,000	Cu Yds
205-9	Granular Borrow	13,000	Cu Yds
302-7	Gravel Base Crs. - In Place Meas.	21,000	Cu Yds
302-8	Screening Gr. Base Course - In Place Meas.	4,000	Cu Yds
303-5	Overhaul (In Place Measure)	46,000	yd. ft.
303-6	Overhaul (In Pit Measure)	26,000	yd. ft.
304-5	Stripping pits	2,000	Cu Yds
312-6	Graveling	100	Units
317-6	Calcium Chloride	6	Tons
401-11	Gravel Surf. Crs.	2300	Cu Yds
404-24	Bit. Conc. Surf. Crs. Type B'	3250	Tons
501-7	Road Tar	15,200	Gals.
601-10	12" Corr. Metal Pipe	152	Lin. Ft.
601-11	15" Corr. Metal Pipe	42	Lin. Ft.
601-12	18" Corr. Metal Pipe	37	Lin. Ft.
601-15	30" Corr. Metal Pipe	16	Lin. Ft.
602-23	Remove & Relay 12in. Corr. Metal Pipe	20	Lin. Ft.
602-12	18" Asphalt Coated Corr. Met. Pipe	340	Lin. Ft.
602-13	21" Asphalt Coated Corr. Met. Pipe	80	Lin. Ft.
602-14	24" Asphalt Coated Corr. Met. Pipe	20	Lin. Ft.
602-15	30" Asphalt Coated Corr. Met. Pipe	74	Lin. Ft.
701-33	Portland Cem. Conc. Abut. & Ret. Wls.	29	Cu Yds
701-38	Portland Cem. Conc. Floor Slabs	21	Cu Yds
701-39	Portland Cem. Conc. Superstr. Slabs	11	Cu Yds
701-41	Portland Cement	85	Bbls.
705-13	Reinf. Steel Delivered	4200	Lbs.
705-14	Reinf. Steel Placing	4200	Lbs.
803-7	Cofferdams	480	L.S.
804-6	French Drains	30	Cu Yds
903-6	Field Stone Curb	60	Lin. Ft.
905-25	Guard Rail - Type C"	1250	Lin. Ft.
905-32	Anchor For Type C" Guard Rail	10	Each
905-35	Guard Posts - Type B'	10	Each
906-17	Fencing - Wood Posts	500	Lin. Ft.
906-19	Barrel - Wood Posts	1	Each
907-10	Hand Laid Riprap	5	Cu Yds
908-3	Loam Borrow	700	Cu Yds
909-7	Seeding	250	Sq. Yds.
910-9	Seeding - Roadside Mixture	51	Units
910-10	Seeding - Parkway Mixture	3	Units
910-11	Transplanting - Hedge & Shrub	20	Lin. Ft.
911-6	Slope Checks	1400	Lin. Ft.
913-6	Bit. Slaps Stabilization	4,000	Gals.
914-7	Protect Markers - Setting only	2	Each
915-6	Right of Way Monuments	24	Each
917-6	Traffic Officers	200	M.Hrs
918-0	Plank Curb	400	Lin. Ft.
919-7	Metal Sluice	42	Lin. Ft.
924-6	Wood Posts	10	Each
925-12	Moving (Including Altering) Bldg. No. 1	1/40	L.S.
925-13	Moving (Including Altering) Bldg. No. 2	1/40	L.S.

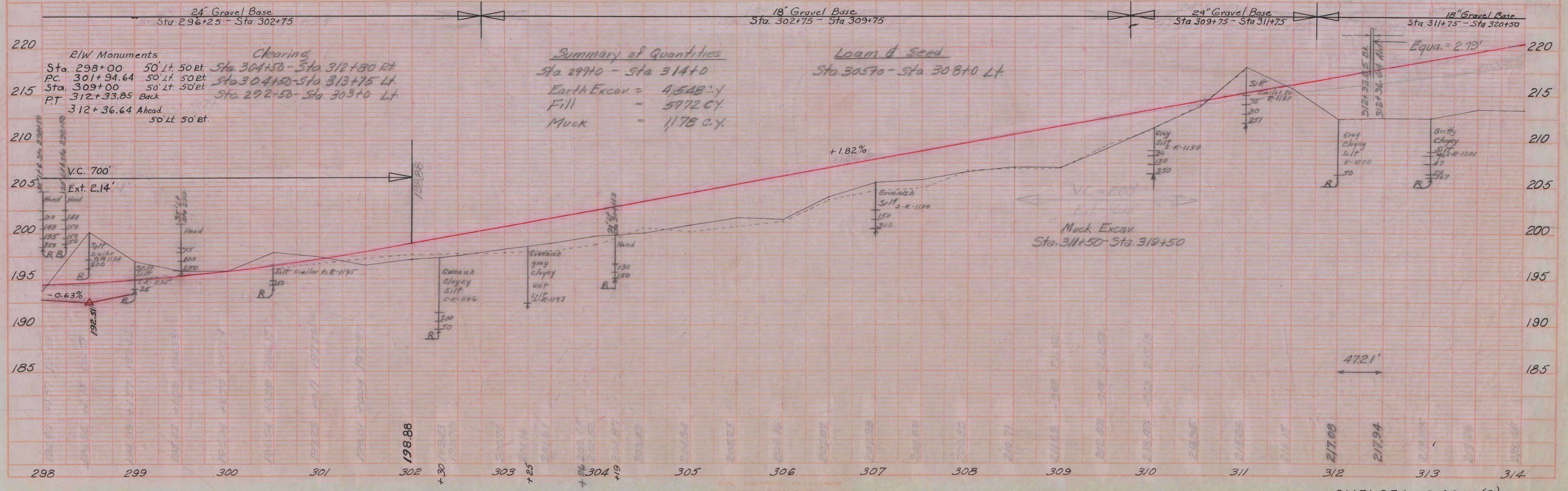
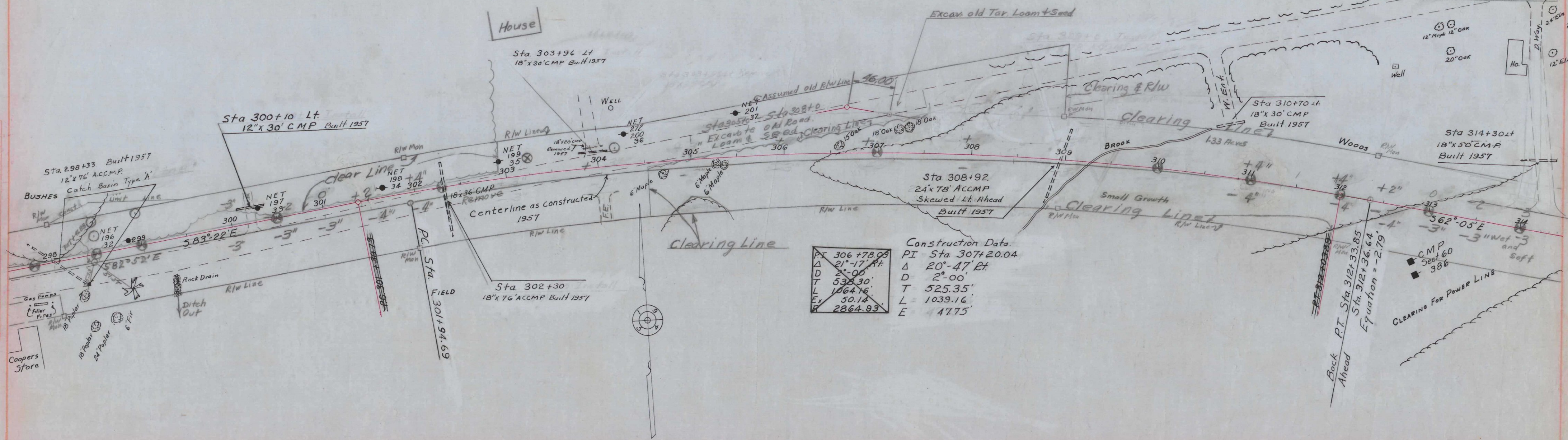
B. P. R. DIV. NO.	STATE	FEDERAL AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-0205 (3)	3	27

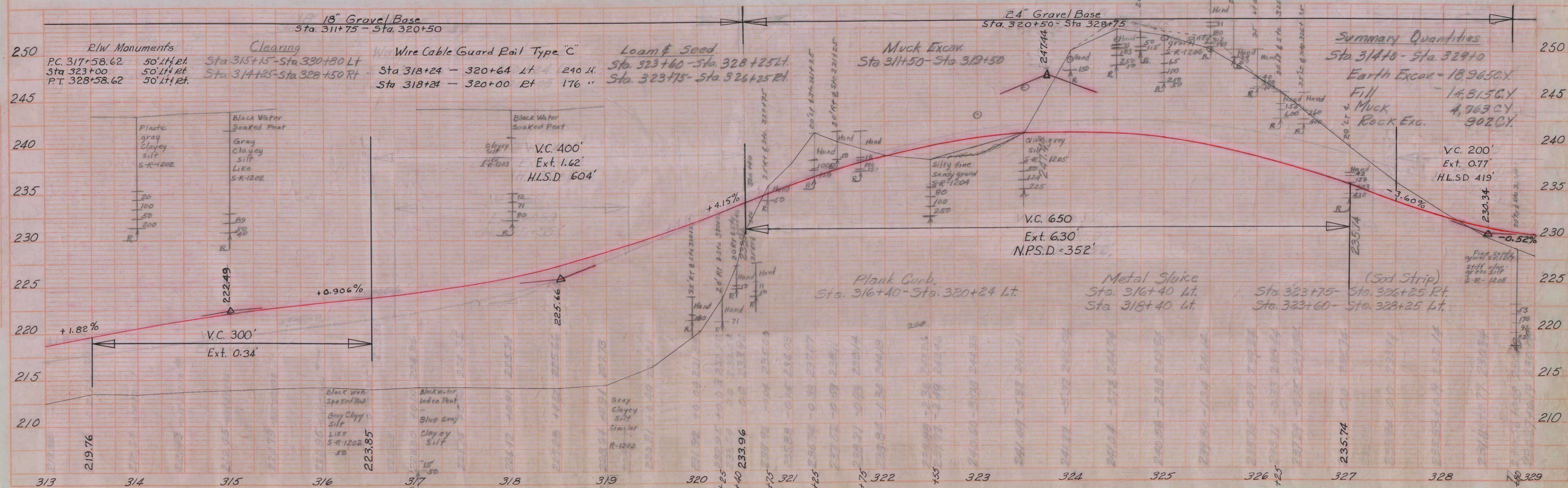


Construction Data
 PI Sta 286+70.90
 Δ 19° 44' Lt.
 D 3° 00'
 T 332.17
 L 657.77
 E 28.73

PT	288+118.0
Δ	16° 19' Lt.
D	3° 00'
T	272.67
L	541.67
E	19.37
B	1910.08







CURVE DATA
 P.I. 323+15.47
 Δ 22° 00' Lt.
 T 2° 00'
 L 556.85'
 E 53.63'

