

INDEX OF SHEETS			
SHEET NO. 1 TITLE PAGE			
" 2	2. TYPICAL CROSS-SECTION OF IMPROVEMENT (BITUMINOUS CONCRETE PAVEMENT, CLASS 1, ITEM 361-B)		
" 3	3. BANKING AND WIDENING TABLES		
" 4	4-B PLAN AND PROFILE		
" 5	5. STANDARD STRUCTURE SHEET		
" 6	10	"	S-28 PIPE CULVERTS
" 7	11	"	S-30 WOOD GUARD RAIL
" 8	12	"	S-30A DRAINAGE STRUCTURES
" 9	13	"	S-40 BARRICADES, SIGNS & LIGHTS
" 10	14	"	S-41 ROUNDOING OF SLOPES
" 11	15	"	SC-2-4 BOX CULVERTS
" 12	16	"	SCW 2-5 INLET & OUTLETS FOR BOX CULVERTS
" 13	17	"	SCW 4-5 INLET & OUTLETS FOR 4 x 5 BOX CULVERTS
" 14	15A	"	
" 15	15-24 CROSS SECTIONS		

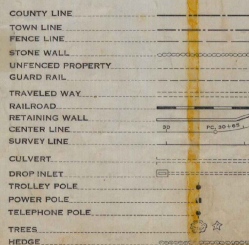
S-28 APRIL 26, 1941
S-30 MAY 12, 1941
S-30A APRIL 19, 1941
S-40 DECEMBER 18, 1945

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

TOWN OF RUTLAND

U. S. ROUTE 7

BEGINNING AT THE RUTLAND CITY LIMIT AND EXTENDING
SOUTHERLY 1.180 MILES TO THE RUTLAND-CLARENDON
TOWN LINE.



GROUND ELEVATION.....	DATUM.....	LINE.....
GRADE ELEVATION.....	DATUM.....	LINE.....

CURVE DATA

SCALES

DEFLECTION ANGLE.....	Δ
DEGREE OF CURVE.....	D.
RADIUS OF CURVE.....	R.
TANGENT DISTANCE.....	T.
LENGTH OF CURVE.....	L.
EXTERNAL DISTANCE.....	E.
POINT OF INTERSECTION.....	P. I.
POINT OF CURVE.....	P. C.
POINT OF TANGENT.....	P. T.
POINT ON TANGENT.....	P. O. T.

TITLE	$t^H = 500'$
TYPICAL	$t^H = 2'$
PLAN	$t^H = 50'$
PROFILE	$t^H = 50'$
	$t^H = 10'$
CROSS SECTIONS	$t^H = 5'$

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE
REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COM-
MISSIONER OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1936, AS APPROVED DECEMBER 29TH, 1936 BY THE PUBLIC ROADS ADMINISTRATION, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

RECOMMENDED FOR APPROVAL

APPROVE

DIVISION ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

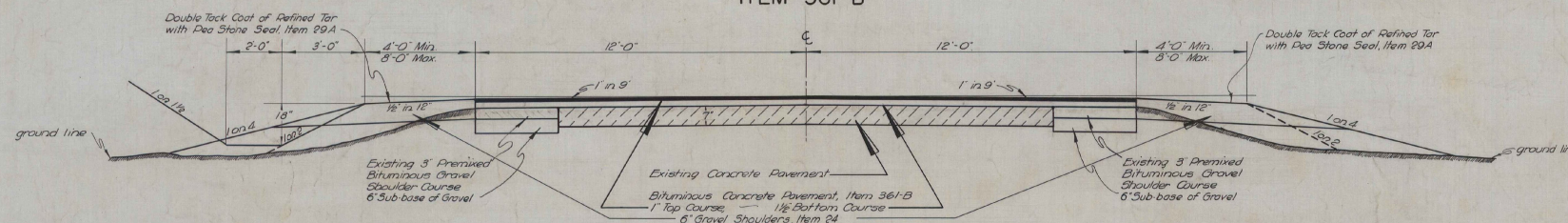
APPROVED Feb. 16, 1948
H. C. Marshall
HIGHWAY ENGINEER

APPROVED *Aug 1 1947*
Earl R. Welch
DISTRICT HIGHWAY COMMISSIONER

SERIES F NO. 22(2) FILED
SHEET 1 OF 24

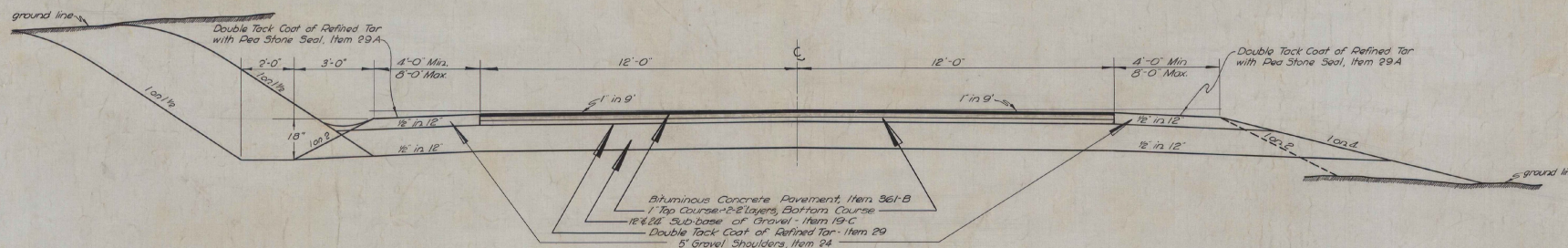
TYPICAL SECTIONS

BITUMINOUS CONCRETE PAVEMENT, CLASS I ITEM 361-B



NORMAL SECTION

NOTE: Bituminous Concrete Pavement shall be paid for on a ton basis.



SECTION SHOWING SUB-BASE OF GRAVEL

12" SUB-BASE STA. 151+55 TO STA. 152+55
12" SUB-BASE STA. 156+70 TO STA. 170+00
24" SUB-BASE STA. 204+37.9 TO STA. 211+76.2

NOTE:
Bituminous Concrete Pavement, Gravel Shoulders and Guard Rail are to be constructed by Force Account.

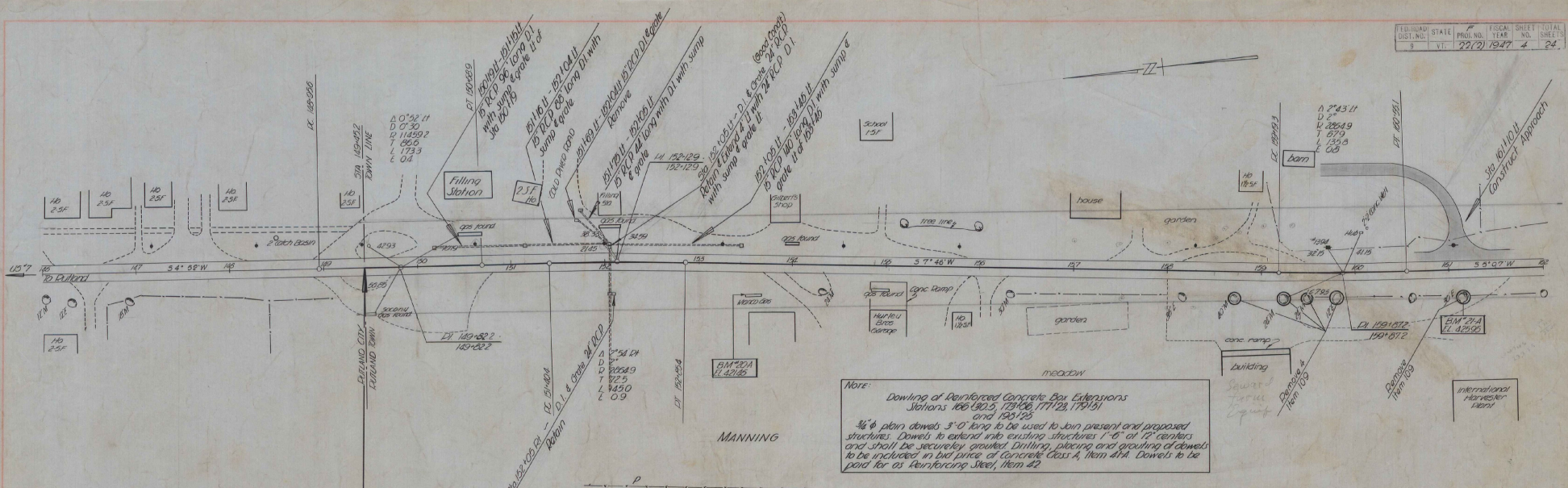
DOUBLE TACK COAT OF REFINED TAR WITH PEA STONE SEAL ON SHOULDERS

STA	STA	4' WIDTH	8' WIDTH
		LT RT	LT RT
149+42.2	155+50	604.8'	604.8'
155+50	159+00		250.0'
155+50	159+00		3350.0'
159+00	211+76.2		5376.2'
159+00	197+00	800.0'	
197+00	200+00		300.0'
200+00	204+00	400.0'	
204+00	211+76.2		776.2'

SCALE 1 INCH=2 FEET

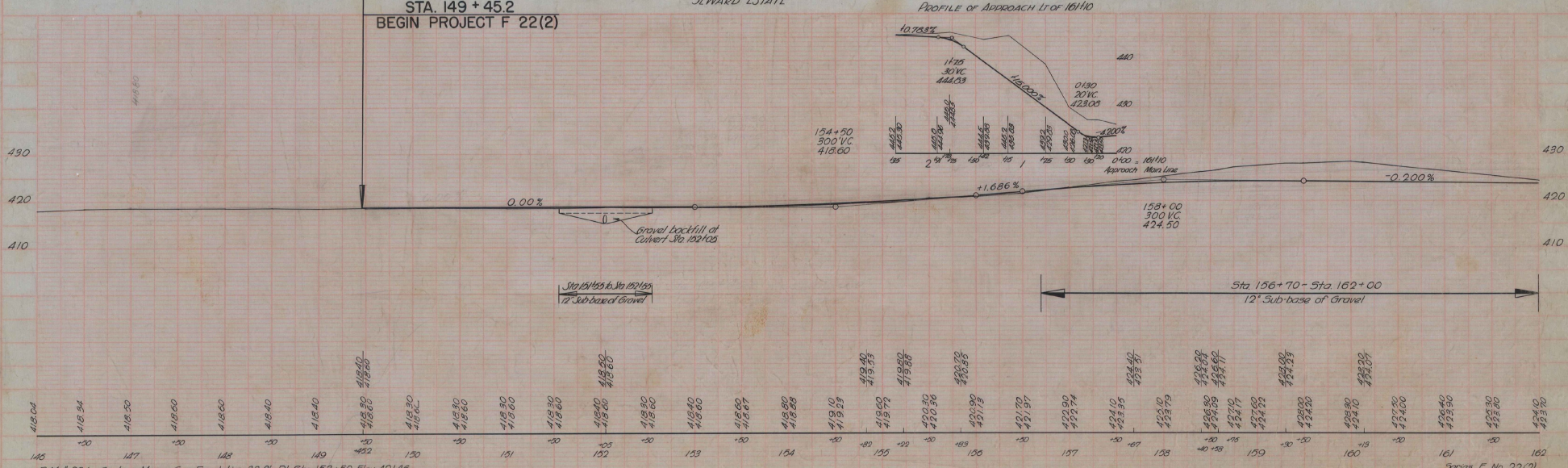
RUTLAND

Surveyed by
Designed by
Drawn by E. Rogers
Traced by E. Rogers
Checked by
Series F No. 22(2) Filed
Sheet 2 of 24 Sheets



Note:
 Dowling of Reinforced Concrete Box Extensions
 Stations 166+90.5, 173+00, 177+23, 179+51
 and 180+25
 3/4" x 6" plain dowels 5'-0" long to be used to join present and proposed structures. Dowels to extend into existing structures 1'-6" at 12" centers and shall be securely grouted. Drilling, placing and grouting of dowels to be included in bid price of concrete Class A, item 414. Dowels to be paid for as Reinforcing Steel, item 412.

STA. 149 + 45.2
 BEGIN PROJECT F 22(2)

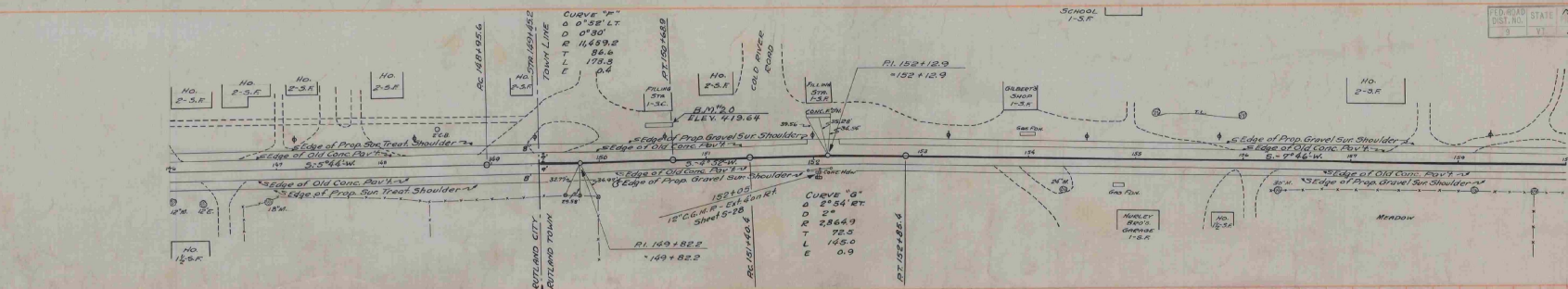


B.M. # 20A Spot on Manco Gas Foundation 33 Ft. Pt. Sta 153+50 Elev. 421.46
 B.M. # 21A Spike in roof of 30" Elm 24 Ft. Sta 161+13 Elev. 425.95

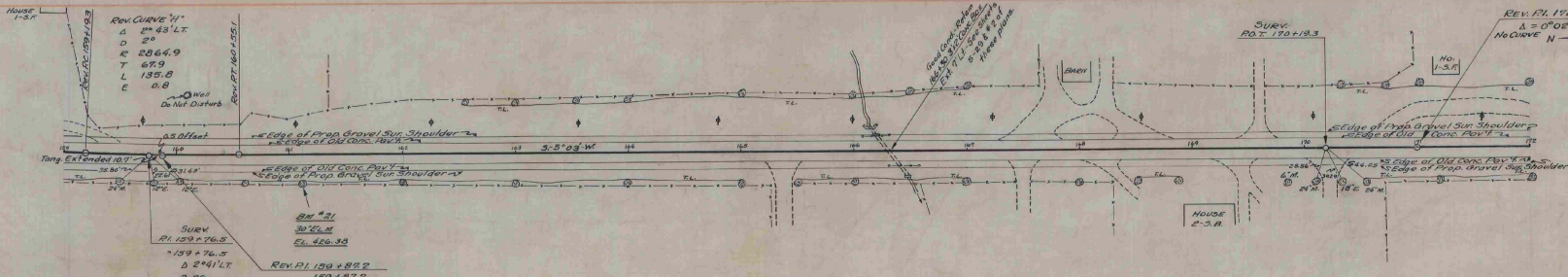
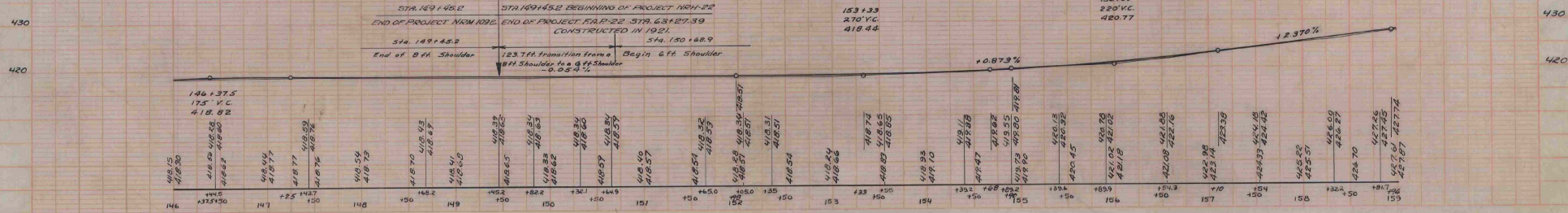
PLAN
DISTANCE
100' 20' 30' 40' 50' 60' 70' 80' 90' 100'

PLAN
DISTANCE
100' 20' 30' 40' 50' 60' 70' 80' 90' 100'

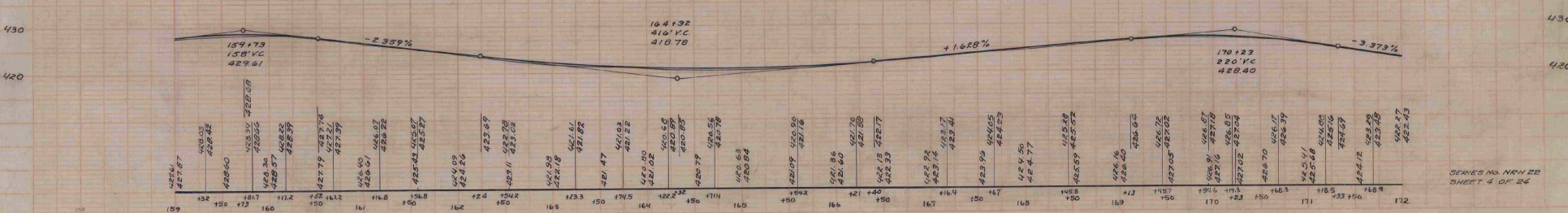
FEEDBACK STATE N.R.N. FISCAL SHEET TOTAL
3 22 1933 4 24



B.M. #20 SPOT ON CONC. FOUNDATION 3 FT. LT. STA. 150+70. ELEV. 419.64



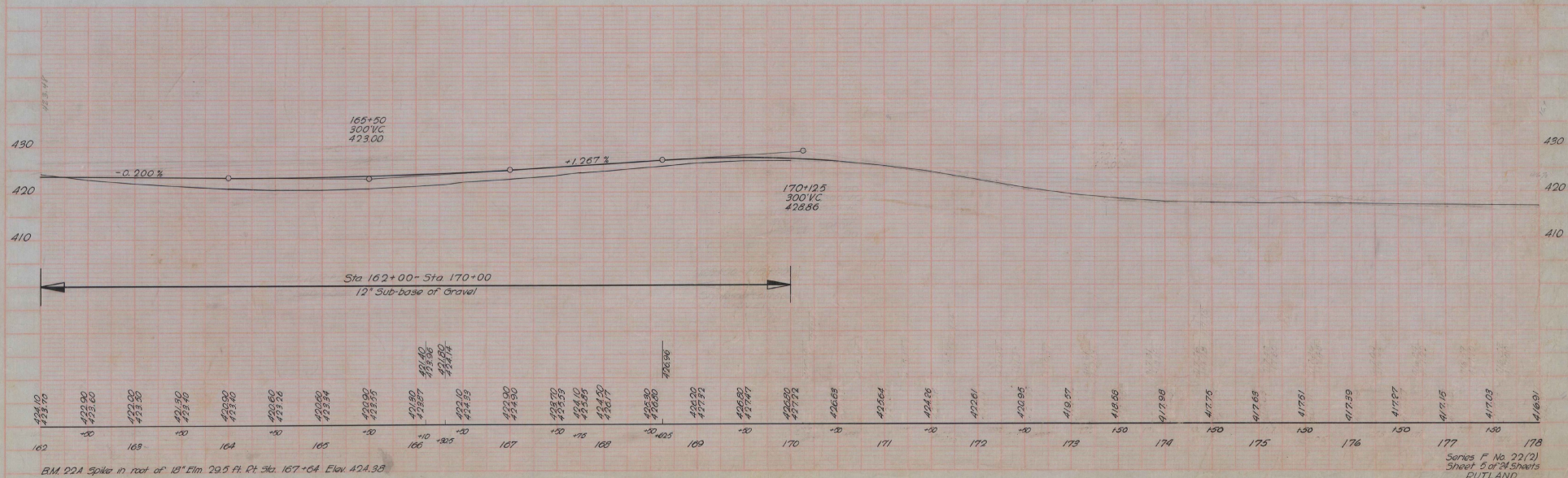
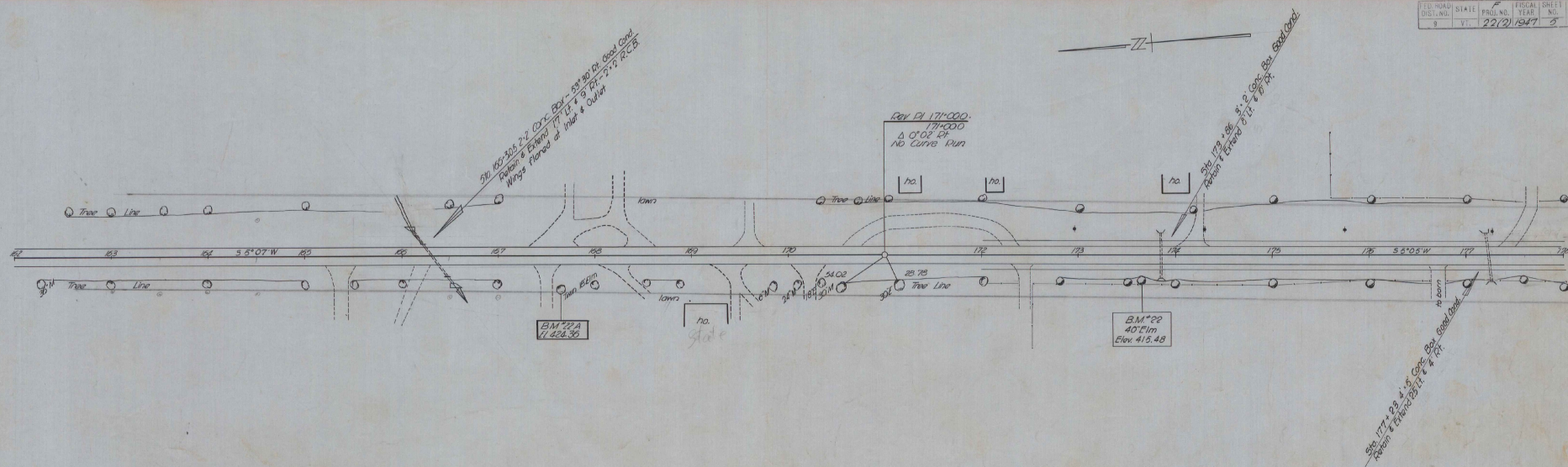
B.M. #1 SPARK IN ROOT 30' ELM 25 FT. RT. STA. 161+11. ELEV. 426.38

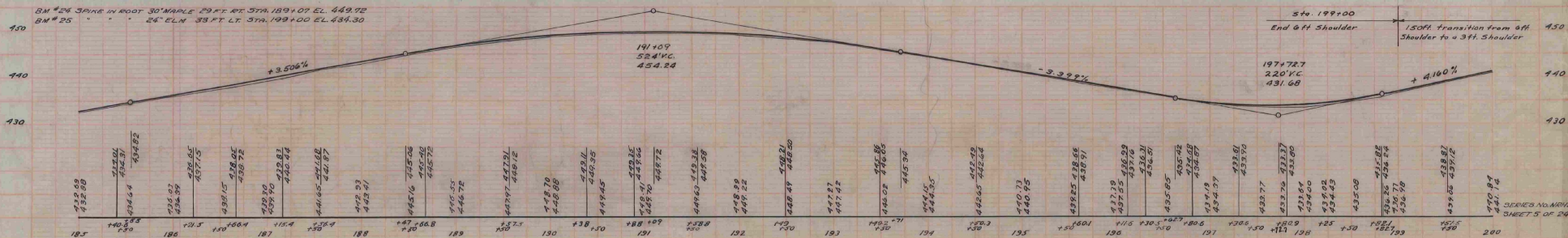
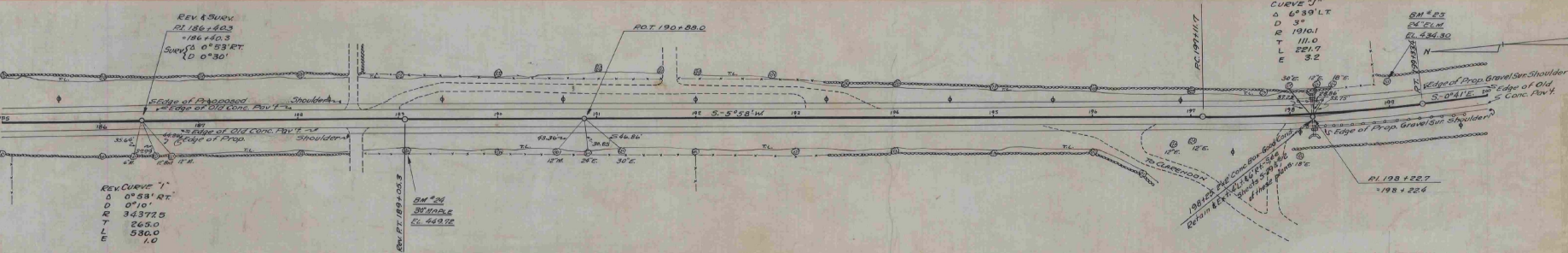
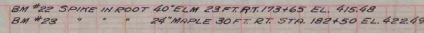


SHEET NO. 22
SHEET 4 OF 24

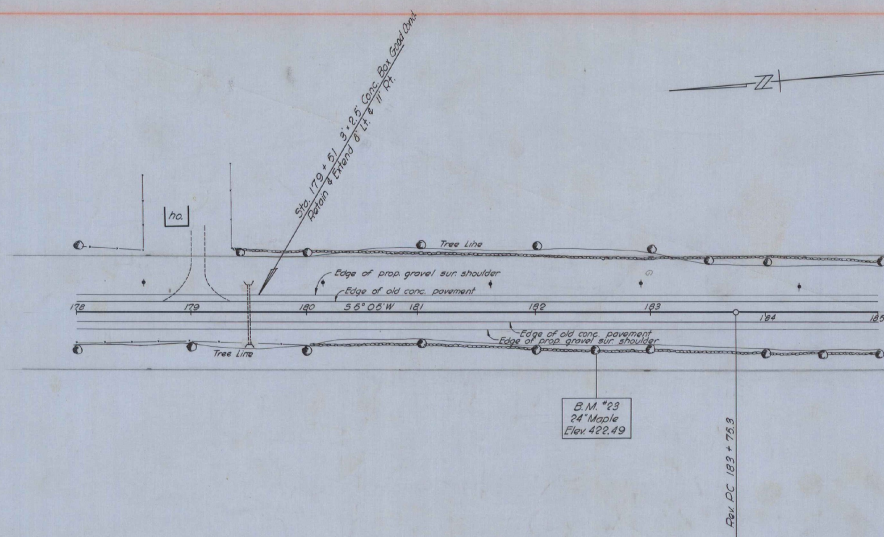
PLAN
 DATE
 DRAWN BY
 CHECKED BY
 APPROVED BY

FD. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	VT.	22(2) 1947	5	24

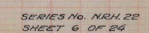


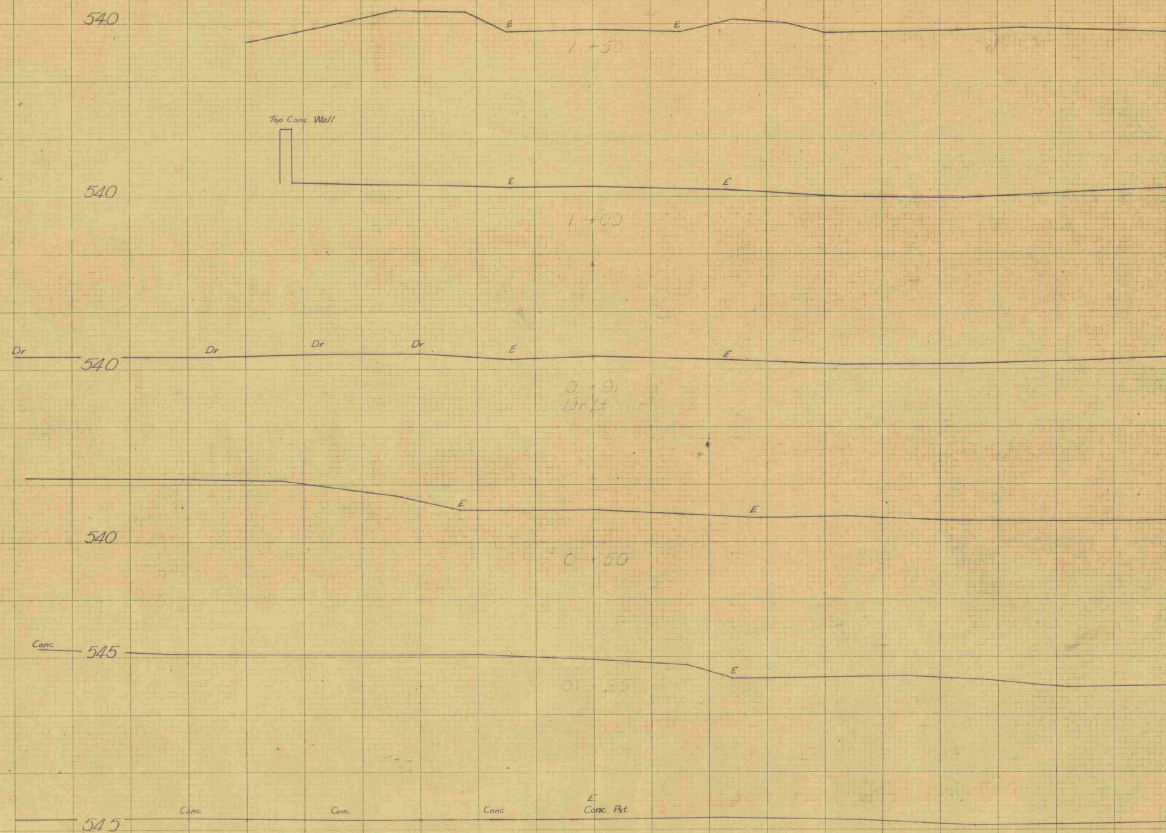


FED. ROAD DIST. NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	22(2)	1947	6	24



Series F No 22(2)
Sheet 6 of 24 Sheets
RUTLAND



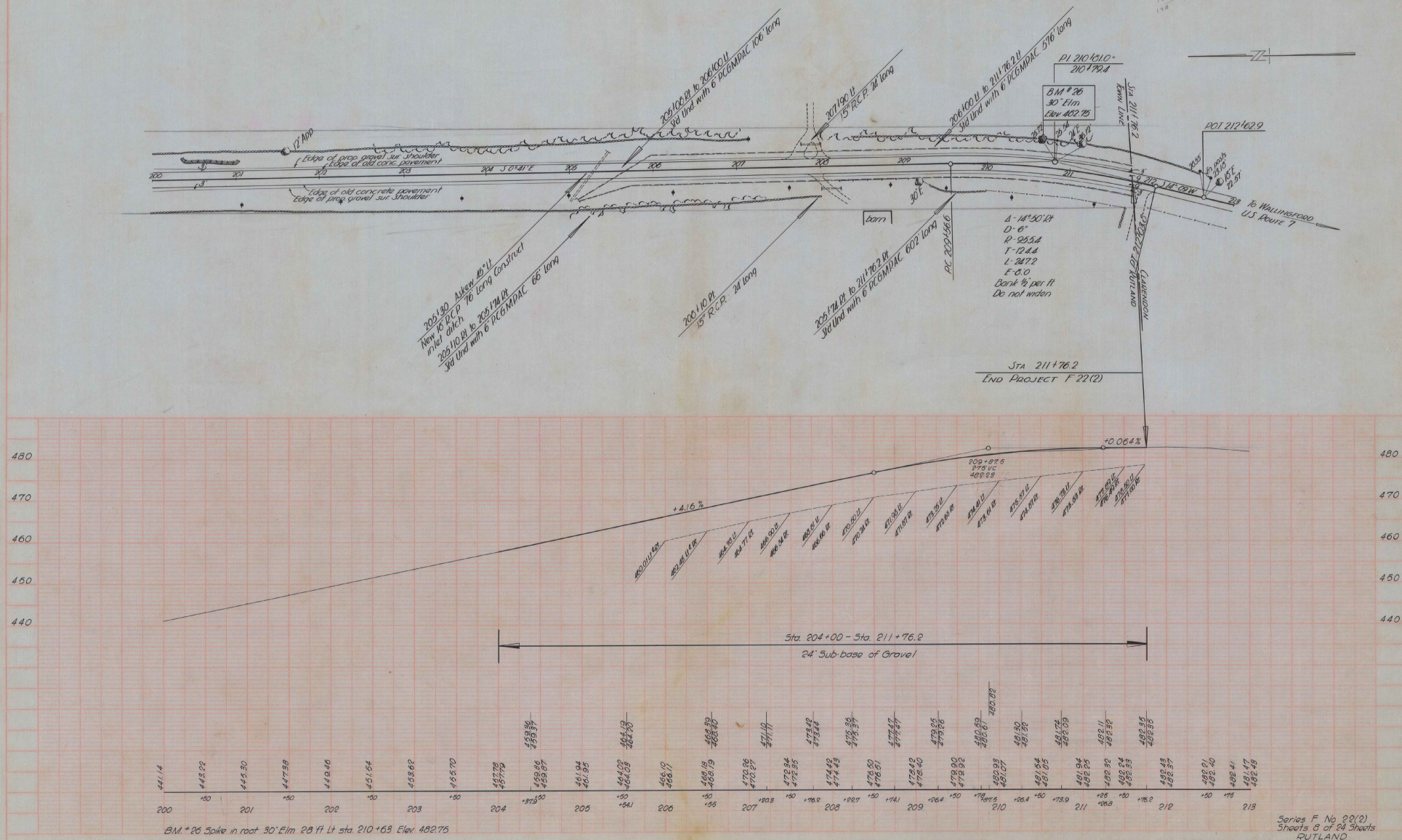


RAILROAD SIDE LINE
RIPLEY POND

LEVELS BY: <i>Pagan</i>	CHKD. BY: <i>10-26</i>
SECTIONS PLANNED BY: <i>Goodell</i>	CHKD. BY: <i>10-26</i>
PLANNED BY: <i>10</i>	CHKD. BY: <i>10</i>
EXAMINED BY: <i>10</i>	FILED: <i>10</i>
SHEET: <i>10</i>	OF: <i>10</i>

B.M. #25
24" Elm
Elev. 434.30

B.M. *24 Spike in root 30" Maple 29 ft. Rt. sta. 189+07 Elev 449.72
B.M. *25 Spike in root 24" Elm 33 ft Lt sta 199+00 Elev 434.30



DEPARTMENT OF HIGHWAYS

④ "REFRESH" TRACKING SLIDE

FED. ROAD DIST. NO.	STATE	F PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	22(2)	1947	2	2

LINEAR FEET

GUIDE POSTS

DRAINAGE STRUCTURES

STD. UNDERDRAIN WITH 6" P.C.G.M.P. A.C.

CABLE GUARD RAIL

WOOD GUARD RAIL

TREE REMOVAL
ITEM 109

RUTLAND
Series F No 22(2)
Sheet 2 of 2 Sheets

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
1	TYPICAL CROSS-SECTION OF IMPROVEMENT
2	BANKING AND WIDENING TABLES
3	PLAN AND PROFILE

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT

TOWN OF RUTLAND

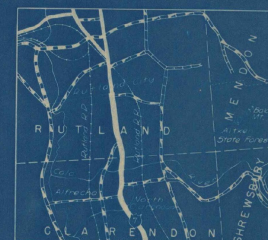
U. S. ROUTE 7

RUTLAND - BENNINGTON ROAD

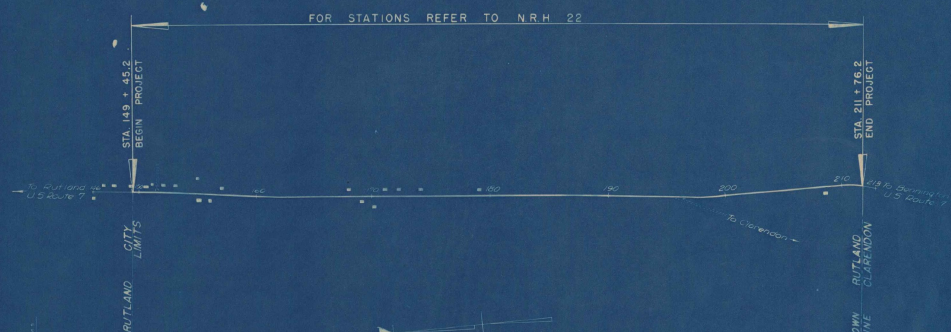
BEGINNING AT THE RUTLAND CITY LIMIT AND EXTENDING
SOUTHERLY 1.180 MILES TO THE RUTLAND-CLARENDON
TOWN LINE.

LENGTH OF PROJECT - 6231.0 FEET = 1.180 MILES

FED. ROAD DIST. NO.	STATE	FED. AID DIST. NO.	PROJECT NO.	PROJECT NAME
9	VT.			



Scale: 1 inch = 1 mile



APPROVED: _____
COMMISSIONER OF HIGHWAYS
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL ROAD AGENCY

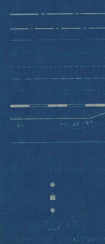
APPROVED

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL ROAD AGENCY

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE
REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COM-
MISSIONER OF HIGHWAYS.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH
THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS
OF 1936, AS APPROVED DECEMBER 29TH, 1936, BY THE PUBLIC
ROADS ADMINISTRATION, INCLUDING ALL SUBSEQUENT APPROVED
REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL
PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED	APPROVED	SERIES F	NO.	FILED
	DISTRICT HIGHWAY COMMISSIONER	SHEET	1 OF	

COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
DRAIN INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

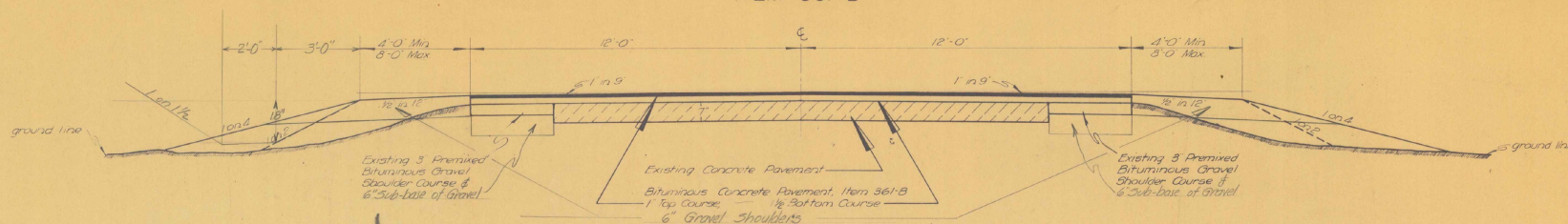


GROUND ELEVATION
GRADE ELEVATION
CURVE DATA
DEFLECTION ANGLE
DEGREE OF CURVE
RADIUS OF CURVE
TANGENT DISTANCE
LENGTH OF CURVE
EXTERNAL DISTANCE
POINT OF INTERSECTION
POINT OF CURVE
POINT OF TANGENT
POINT ON TANGENT

SCALES
TITLE
PLAN
PROFILE
HORIZONTAL
VERTICAL
ROSS SECTIONS

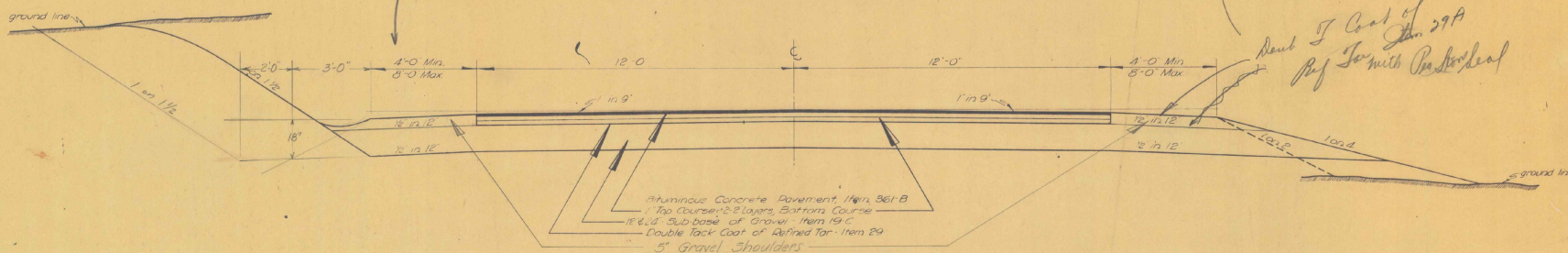
TYPICAL SECTIONS

BITUMINOUS CONCRETE PAVEMENT, CLASS I
ITEM 361-B



NORMAL SECTION

NOTE: Bituminous Concrete Pavement shall be paid for on a ton basis.



SECTION SHOWING SUB-BASE OF GRAVEL

12" SUB-BASE STA. 156+70 TO STA. 170+00
24" SUB-BASE STA. 204+00 TO STA. 211+762

*Reut. 5' Coat of Item 29A
Ref. for with Reut. Road*

*Note:
Bituminous Concrete Pavement, gravel
shoulders and gravel sub-base are to be
constructed by Force Account.*

RUTLAND

Surveyed by
Designed by
Drawn by E. Rogers
Traced by E. Rogers
Checked by
Series 1 No. 22(2) Filed
Sheet 2 of 17 Sheets

RUTLAND

DEPARTMENT OF HIGHWAYS

—F. A. P. No.

22 (2)

Form Eng. 1 A

EARTHWORK SHEET NO.

19

[illegible]
$$\begin{array}{r} 606 \\ 12 \\ \hline 594 \end{array}$$

Vaid

STATE OF VERMONT

RUTLAND

PROJECT NO. F 22(2)

SUMMARY SHEET NO. 2 OF 2

19 47

DEPARTMENT OF HIGHWAYS

APPROXIMATE SUMMARY OF QUANTITIES				DETAILED SUMMARY OF QUANTITIES				TYPE OF CONSTRUCTION Bituminous Concrete Pavement Class 1, Item 3618			
QUANTITIES	UNIT	ITEMS	ITEM NO.	QUANTITIES	UNIT	ITEMS	STATIONS	PAVEMENT WIDTHS		EQUATIONS	
600	cy	Solid Rock Excavation	10			SOLID ROCK EXCAVATION	FROM TO	24'		+	-
8900	cy	Common Excavation	10	549	cy	Removal of Common Pavement	149+452 211+762	6231.0			
400	cy	Trench Excavation of Earth	12A	53		Overrun					
70	cy	Trench Excavation of Rock	12B	600		Total					
8500	cy	Sub-base of Gravel	19C	8113	cy	COMMON EXCAVATION					
3600	gal	Double Tack Coat of Refined Tar	29	787		Roadway					
60	cy	Concrete Class B	41A	8900		Overrun					
6400	lb	Reinforcing Steel	42			Total					
	cy	Cement Rubble Masonry	45	27	cy	TRENCH EXCAVATION OF EARTH					
		includes cy Overrun		1	cy	Box Culverts Pipe Culverts					
14	16" Corr Galv Metal Pipe	Asphalt Coated	52D	360	cy	Changing Elevation of Manholes and Box					
14	16" Corr Galv Metal Pipe	Asphalt Coated	52E			Underdrain					
14	Standard Underdrain with 6" PCMPDAG		52A	73		Overrun					
14	Wood Guard Rail		52B	400		Total					
80	Changing Elevation of Manholes or Catch Basins		80	12	cy	TRENCH EXCAVATION OF ROCK					
80	Cutting Damaging Trees + Overruns		103	41	cy	Box Culverts Pipe Culverts					
8260	cy	Cleaning Existing Pavement	120	10	cy	Underdrain					
5472	14	Preparing Transverse Joints	121	70	cy	Overrun					
3150	ten	Bituminous Concrete Pavement	3618			Total					
				7721	cy	SUB-BASE OF GRAVEL					
				100	cy	Roadway					
						Approaches					
				679	cy	Overrun					
				8500	cy	Total					
						DOUBLE TACK COAT OF REFINED TAR					
				3258	gal	Roadway					
				342	gal	Overrun					
				3600	gal	Total					
						CONCRETE CLASS A					
				635	cy	Box Culverts					
				65	cy	Overrun					
				600	cy	Total					
						REINFORCING STEEL					
				6400		Box Culverts					
				545		Overrun					
				6400		Total					
						CLEANING EXISTING PAVEMENT					
				10722	cy	Roadway					
				24		Overrun					
				24		Total					
						BITUMINOUS CONCRETE PAVEMENT					
				3658	ten	Roadway					
				62	ten	Overrun					
				3150	ten	Total					
TOTALS								6231.0			
LENGTH OF PROJECT											
STATIONS				FEET				MILES			
149+452 211+762				6231.0				1.180			
TOTALS				6231.0				1.180			
REMARKS											
SERIES F NO. 22(2) FILED											
SHEET 2 OF 2 SHEETS											

COMMON
C.R.M.W.C.R.
199461770
69770

QUANTITY SHEET

PLANIMETERED SUB-BASE OF GRAVEL

GUIDE POSTS

[illegible]

DRAINAGE STRUCTURES

[illegible][illegible][illegible][illegible]

RUTLAND
F 22 (2)
1 of 2

Rutland

F. A. P. No. 22 (2)

FORM ENG. 1A

EARTHWORK SHEET NO. /

19 47

REVISIONS	By	PROFILE						Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel		
		V.C.	% Grade	STATION	ELEVATION		Correction for Vertical Curve	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
					On Grades	On V Curves										
				146												
				+50												
				147	418.60											
				+50	418.60											
				148	418.60											
				+50	418.60											
				149	418.60											
				+452	418.60											
				+50	418.60											
				150	418.60											
				+50	418.60											
				151	418.60											
				+50	418.60											
				152	418.60											
				+05	418.60											
				+50	418.60											
				153	418.60											
				+50	418.60	418.67	+0.07									
				154	418.60	418.88	+0.28									
				+50	418.60	419.23	+0.63									
				+82	419.14	419.53	+0.39									
				155	419.44	419.72	+0.28									
				+22	419.81	419.98	+0.17									
				+50	420.29	420.36	+0.07									
				+83	420.84	420.85	+0.01									
				156	421.13	0										
				+50	421.97	0										
				157	422.82	422.74	-0.08									
				+50	423.66	423.35	-0.31									
				167	423.94	423.51	-0.43									
				158	424.50	423.79	-0.71									
				+40	424.42	424.04	-0.38									
				+50	424.40	424.09	-0.31									
				+58	424.38	424.11	-0.27									
				CARRIED FORWARD												
				COLUMN FOOTINGS												

REVISIONS	By	PROFILE						Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel		
		V.C.	% Grade	STATION	ELEVATION		Correction for Vertical Curve	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
					On Grades	On V Curves										
				158+58	424.38	424.11	-0.27		276	11		7	4	49	32	
				+75	424.35	424.17	-0.18	17	325	189	11	7	4	51	32	
				159	424.30	424.22	-0.08	25	341	308	11	10	6	51	47	
				+30	424.24	424.23	-0.01	30	340	378	11	12	8	52	57	
				+50	424.20		0	20	280	230	11	8	5	41	34	
				160	424.10			50	271	510	11	20	13	41	76	
				+13	424.07			13	286	134	11	5	3	41	20	
				+50	424.00			37	232	353	11	15	7	10	56	
				161	423.90			50	210	409	11	20	7	13	41	76
				+50	423.80			50	122	307	11	20	7	13	45	80
				162	423.70			50	78	185	11	20	7	13	42	81
				+50	423.60			50	28	98	11	20	7	14	46	81
				163	423.50			50	0	26	11	10	8	15	19	88
				+50	423.40			50	C	1512	8	15	56	144	49	91
				164	423.30			50	R	110	8	15	100	204	49	91
				+50	423.20	423.26	+0.06	50	F	656	8	15	120	219	49	91
				165	423.10	423.34	+0.24	50	Gr.Sh.	141	8	15	120	219	49	91
				+50	423.00	423.55	+0.55	50	S.B.	846	8	15	120	219	49	91
				166	423.63	423.87	+0.24	10	Fact.	110	8	15	116	220	49	91
				+10	423.76	423.96	+0.20	40	Exc.	790	8	15	122	233	49	91
				+30.5	424.02	424.14	+0.12	50			8	15	130	55	49	19
				+50	424.27	424.33	+0.06	50	C	135	8	15	151	235	48	77
				167	424.90		0	50	F	1026	8	15	58	194	53	94
				+50	425.53			50	Gr.Sh.	142	7	14	19	71	51	96
				+75	425.85			25	S.B.	851	7	6	10	13	52	48
				168	426.17			25	Fact.	110	7	6	5	48	46	
				+50	426.80			50	Exc.F	994	7	14	0	41	82	
				+62.5	426.96			50			0	8	8	14	67	
				169	427.43	427.32	-0.11	50			9	7	14	31	66	
				+50	428.07	427.47	-0.60	50			37	8	14	40	74	
				170	428.70	427.22	-1.48				52	7		40		
				+12.5	428.86	427.13	-1.73									
				+19.3	428.63	427.04	-1.59									
				+25	428.44	426.96	-1.48									
				+50	427.61	426.63	-0.98									
				+68.3	427.00	426.31	-0.69									
				171	425.94	425.64	-0.30									
				CARRIED FORWARD												
				COLUMN FOOTINGS												

RUTLAND

F. A. P. No. 22(2)

FORM ENG. 1A

EARTHWORK SHEET NO. 2

19 47

[illegible]

[illegible]

RUTLAND

DEPARTMENT OF HIGHWAYS

Form Eng. 1 A

~~SAP~~. No. A 22(2)
EARTHWORK SHEET NO. 3

1947

Form Eng. 1 A						EARTHWORK SHEET NO.								3		1947				
SUMMARY OF BALANCES										SUMMARY OF BALANCES										
STATION TO STATION		TOTAL EXCAV. EARTH & ROCK CU. YDS.	ROCK EXCAV. CU. YDS.	EMBANKMENT CU. YDS.	EXCESSES		ACCUMULATIVE EXCESSES		GRAVEL SHOULDERS CU. YDS.	SHAPING COURSE OF GRAVEL CU. YDS.	STATION TO STATION		TOTAL EXCAV. EARTH & ROCK CU. YDS.	ROCK EXCAV. CU. YDS.	EMBANKMENT CU. YDS.	EXCESSES		ACCUMULATIVE EXCESSES		SHAPING COURSE OF GRAVEL CU. YDS.
					CUT	FILL	CUT	FILL								CUT	FILL	CUT	FILL	
149+52 150+00		4							8	18										
150+00 155+00		42							71	92										
155+00 160+00		2542	130						102	553										
160+00 165+00		1512	110	656					141	846										
165+00 170+00		135	0	1026					142	851										
170+00 204+00		(2794)	107	1605	Estimated				832	837										
204+00 205+00		191	13	17					24	295										
205+00 210+00		1740	157	47					124	1689										
210+00 211+762		770	77	0					38	597										
Total		9730	594	3351					1484	5778										
Grand Total		9730	594	3351					1484	5778										
SUMMARY BY COLUMNS										REMARKS										
SHEET NO.	COL. NO.	EXCAVATION		EMBANKMENT		SHAPING COURSE OF GRAVEL														
		TOTAL CU. YDS.	ROCK CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.													
		Total Excav. (Earth and Rock) 9730																		
		Total Rock Excav. (778 CY Avail. Removal) 594																		
		Bal. Earth Excav. 9136																		
		EXCY. 151+55 - 152+55 118																		
		Total 9254																		
		Total Planim. Fill 3351																		
		Factor 110																		
		Fill incl. Factor 3686																		
		Total Excav. (Earth and Rock). Borrow																		
		Shaping Course + 1484 (151+55 - 152+55) 5896																		
		Gravel Shoulders 1483																		
		Total Excav. (Earth and Rock) 9730																		
		Total Fill incl. Factor 3686																		
		Excess cut 6044																		

Department of Highways

Final

EARTHWORK SHEET NO. 1 of 4

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FORM ENG. 1A
Item 34

Item 24

[illegible]

FORM ENG. 1A

Final

EARTHWORK SHEET NO. 2 of 4

1948

Item 24

EARTHWORK SHEET NO. 2 of 4																				1948																				
Item 21																				Item 24																				
PROFILE										PROFILE										PROFILE																				
ELEVATION					Shaping Course of Gravel					ELEVATION					Shaping Course of Gravel					Total Excavation Earth and Rock					Balance-and-Rock Excavation					Embankment					Shaping Course of Gravel					
On Grades		On V Curves			DIST.	AREA		CU. YDS.			AREA		CU. YDS.			AREA		CU. YDS.			AREA		CU. YDS.			AREA		CU. YDS.			AREA		CU. YDS.			AREA		CU. YDS.		
V.C.	% Grade	STATION				Gravel	Shoulder				Gravel	Shoulder				Gravel	Shoulder				Gravel	Shoulder			Gravel	Shoulder				Gravel	Shoulder									
174																				190+50																				
+50																				191																				
175																				+50																				
+50																				192																				
176																				+50																				
+50																				193																				
177																				+50																				
+50																				194																				
178																				+50																				
+50																				195																				
179																				+50																				
+50																				196																				
180																				+50																				
+50																				197																				
181																				+50																				
+50																				198																				
182																				+50																				
+50																				199																				
183																				+50																				
+50																				200																				
184																				+50																				
+50																				201																				
185																				+50																				
+50																				202																				
186																				+50																				
+50																				203																				
187																				+50																				
+50																				204																				
188																				+35																				
+50																				204+35*Begin 24"Sub-base																				
189																				plus 5"Surface																				
+50																				205																				
190																				+54.1																				
+50																				206+55																				
																				207																				
CARRIED FORWARD										CARRIED FORWARD										CARRIED FORWARD																				
COLUMN FOOTINGS										COLUMN FOOTINGS										COLUMN FOOTINGS																				
138										43										522																				
1935										1481										2627																				
8										355										51																				
																				372																				
																				671																				
																				1905																				

FORM ENG. 1A
Item 24

Final

EARTHWORK SHEET NO. 3 of 4

19 48

		PROFILE					Total Excavation Earth and Rock		Balance and Rock Excavation		Shaping Course of Gravel				Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel	
V.C.	% Grade	STATION	ELEVATION		Correction for Vertical Curve	DIST.	Total Excavation Earth and Rock		Balance and Rock Excavation		Shaping Course of Gravel		DIST.		Total Excavation Earth and Rock		Balance and Rock Excavation		Embankment		Shaping Course of Gravel	
			On Grades	On V Curves			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
REVISIONS																						
		207+00					94	73	6	5		98	71									
		+20.3					99	386	8	21		90	288									
		208					163	425	7	19	C. = 2039	105	254									
		+74.1					74.1	146	7	6	Gr. Sh. = 126	80	83									
		209					26.9	145	6	6	S.B. = 1716	93	92									
		+26.4					26.4	147	6	6	Fin. = 0	94	182									
		+78					51.6	251	7	12		96	75									
		210					22	101	6	5		89	88									
		+26.4					26.4	102	7	6		90	158									
		+73.9					47.5	98	8	13	C. = 862	90	86									
		211					26.1	98	8	8	Gr. Sh. = 51	87	89									
		+26.8					26.8	105	8	7	S.B. = 665	92	165									
		+76.2 (Town Line)					42.4	132	6	13	Fin. = 0	89	79									
		212 End 24' Subbase plus 5" Surface					23.8	139	7	6		89										
		Column Footings						139	7			89										
								2379	126			1710										
								</														

Rutland
Final

DEPARTMENT OF HIGHWAYS

—F. A. P. No.

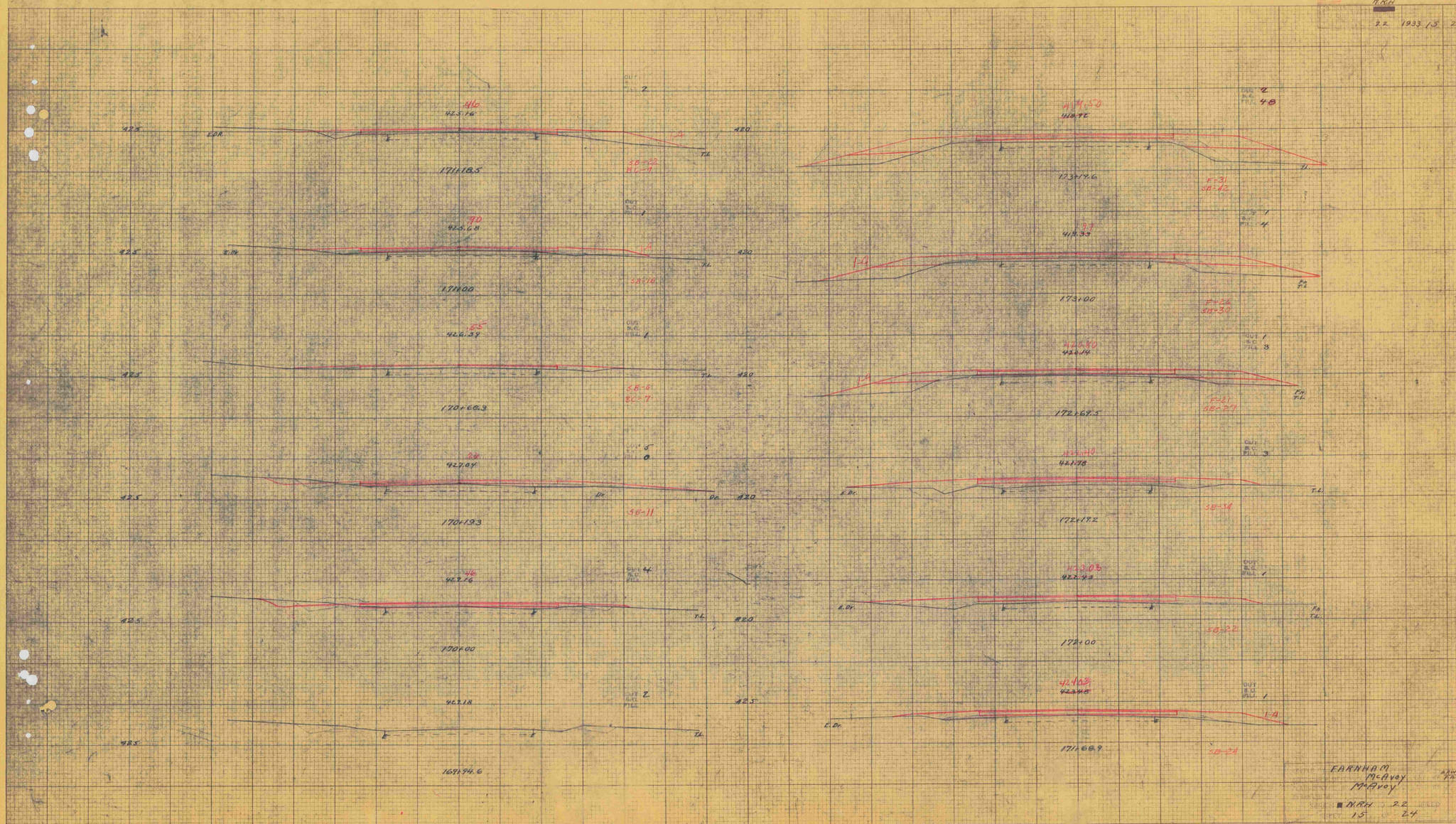
EARTHWORK SHEET NO. 4 of 4

19 48

Form Eng. 1 A

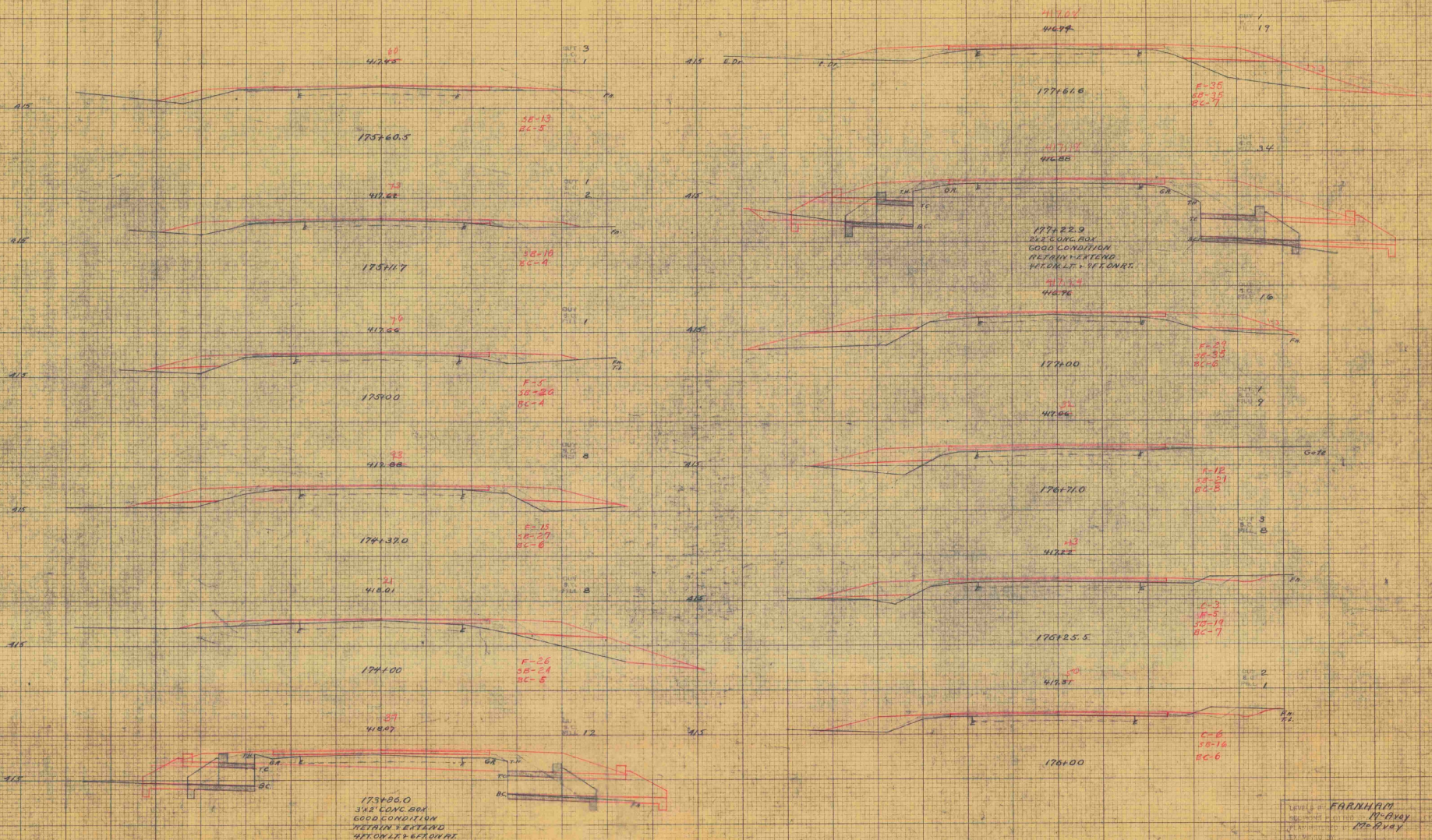
[illegible]

2.2 1933 15 2



EARNHAM
McAvoy
McAvoy
15 24

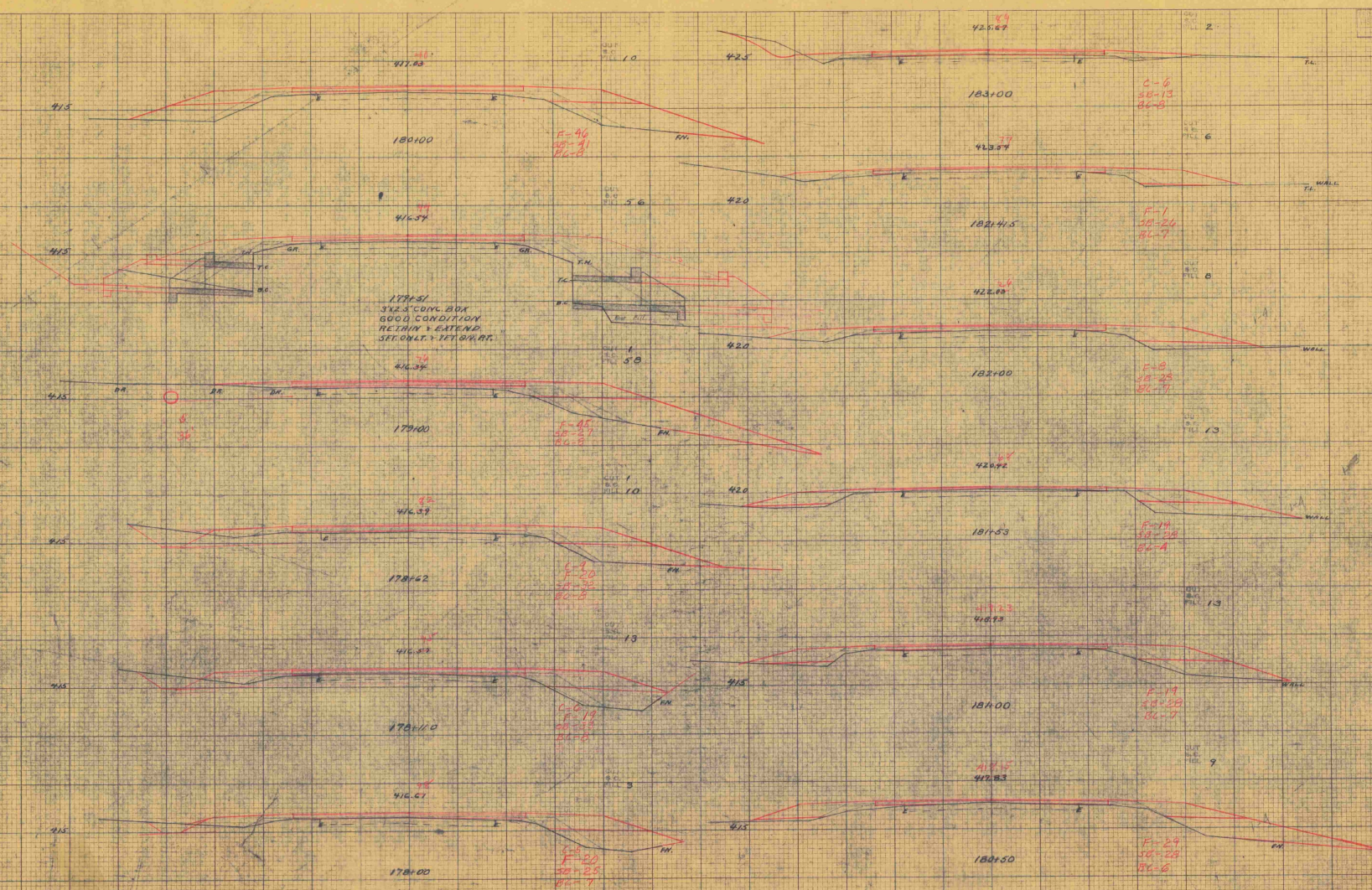
22 1933 16 24



LEVELS: FARNHAM	APR 1962
REMARKS: McAvoy	1962
PLANNING: McAvoy	
EX. INFO: McAvoy	
SERIES: NRM, IC 22	FILED
SHEET: 16	OF 24

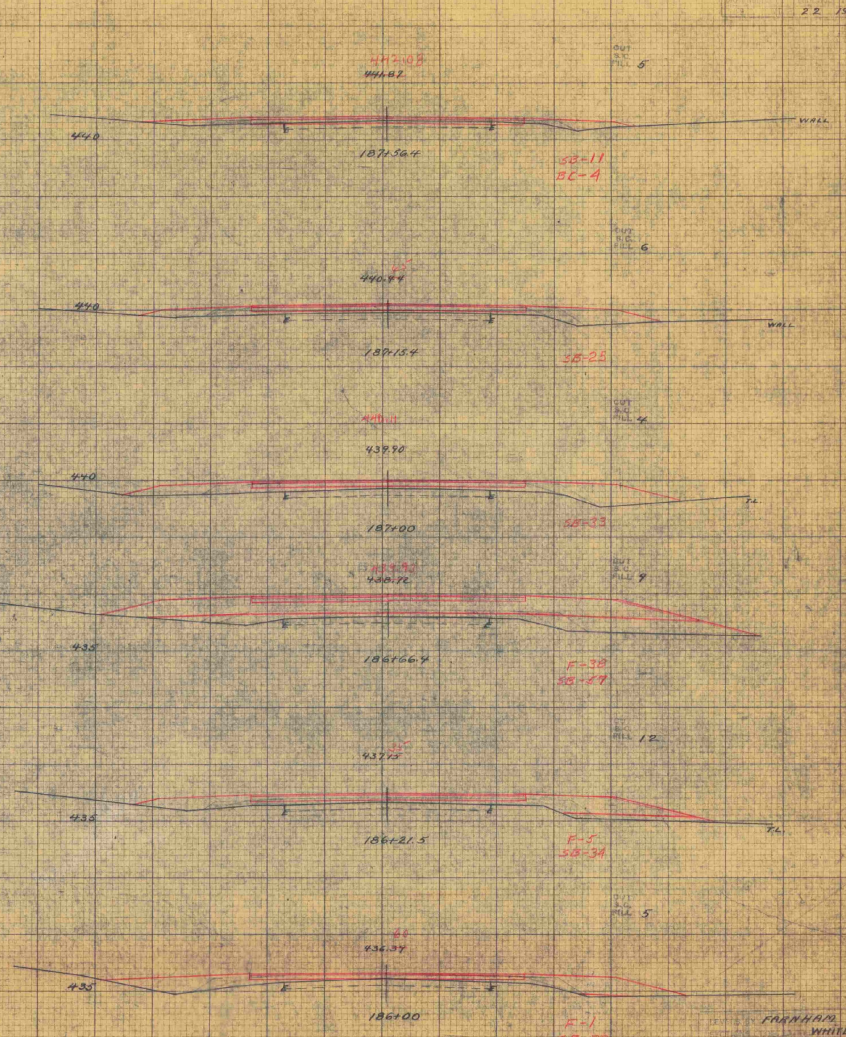
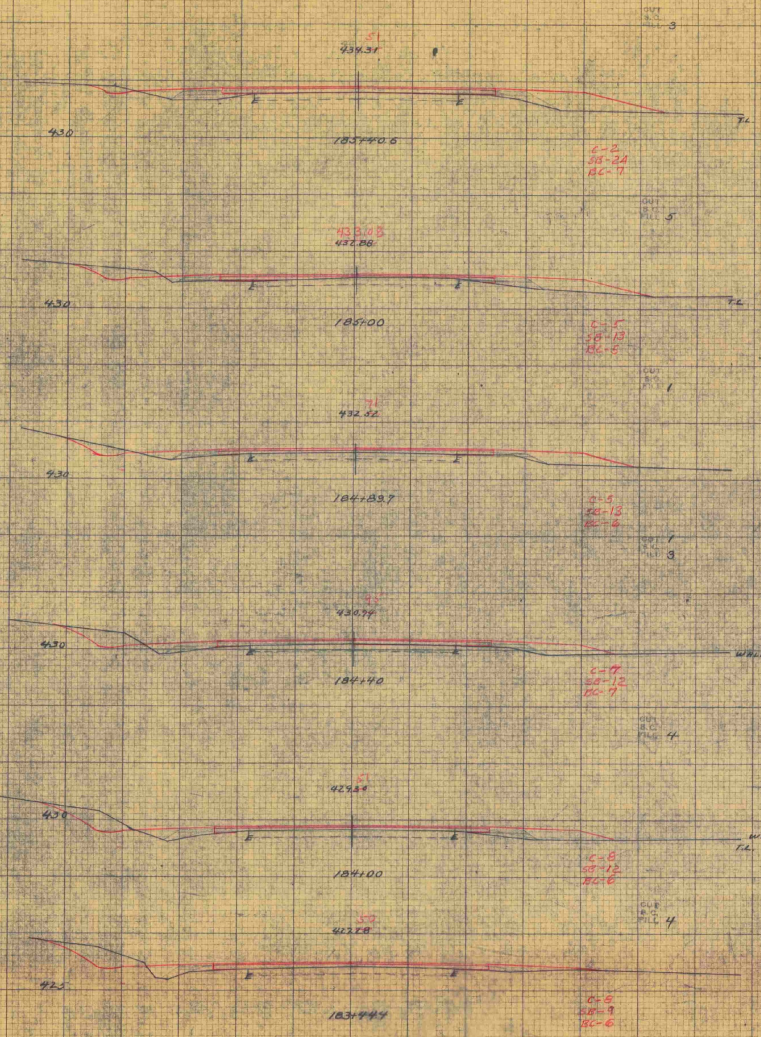
N.H.

22 1933 17 14



LEVELS BY *Pennham*
 DRAWN BY *Pennham*
 CHECKED BY *Pennham*
 DATE *1933*
 SHEET *17*

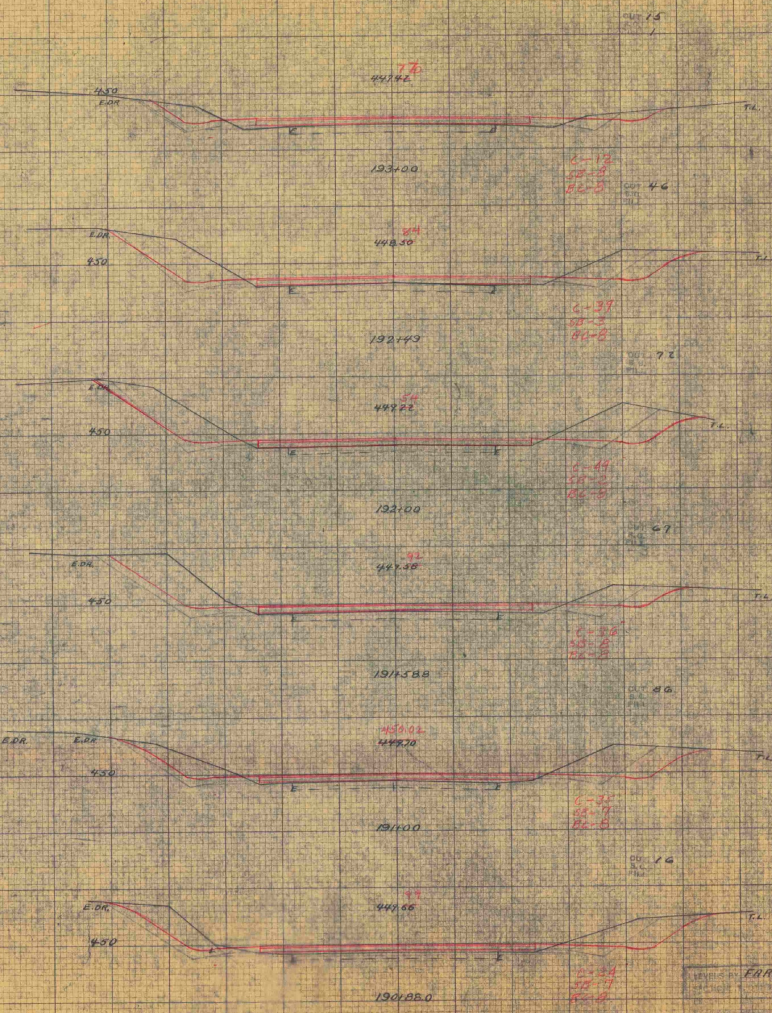
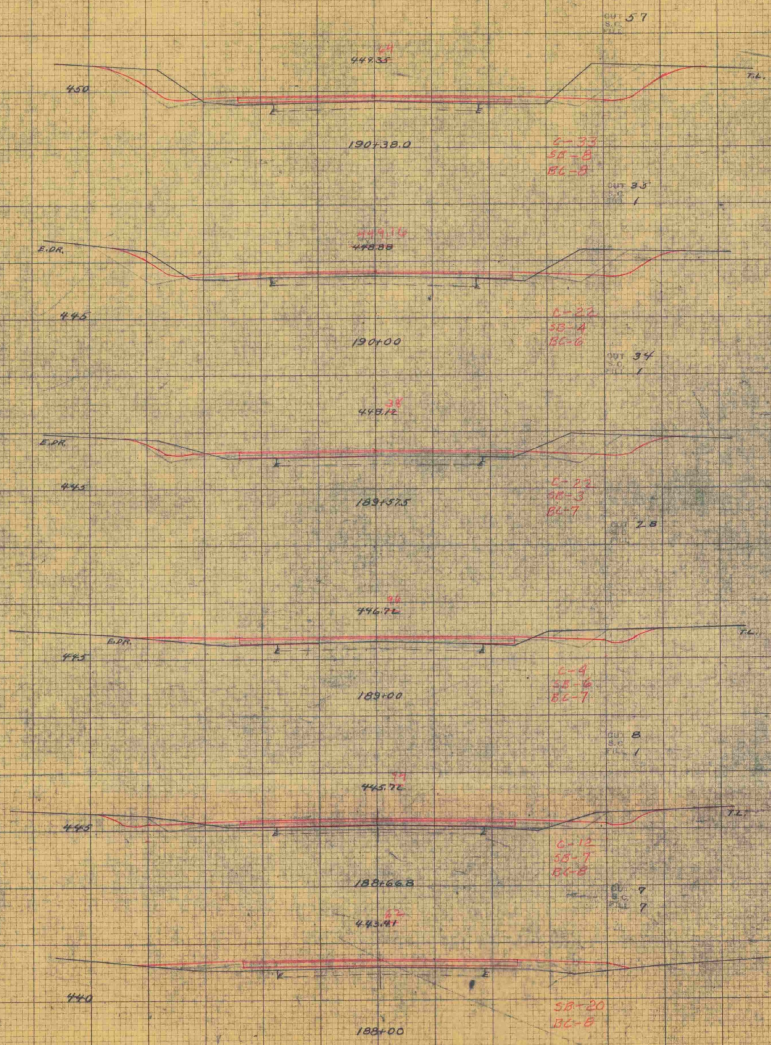
DATE
22 1933 18 24



PAVING
WATERWAY
DRAINAGE
NORTH 22
18 24

N.A.H.

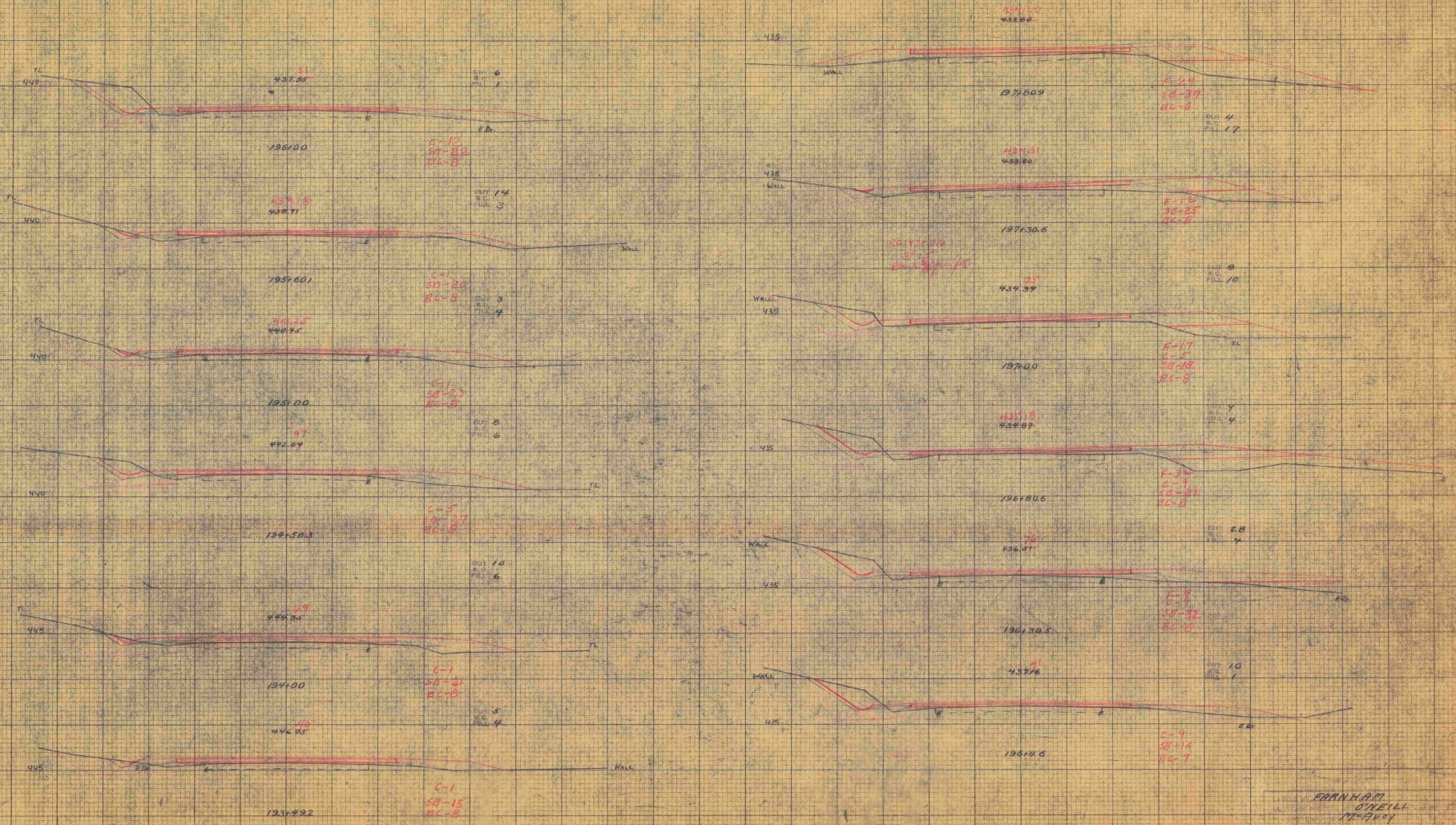
22 10.33 19 2.4



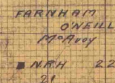
FARNHAM
WHITEHILL
MAQUAY
N.A.H. 22
17 2.4

N.B.H.

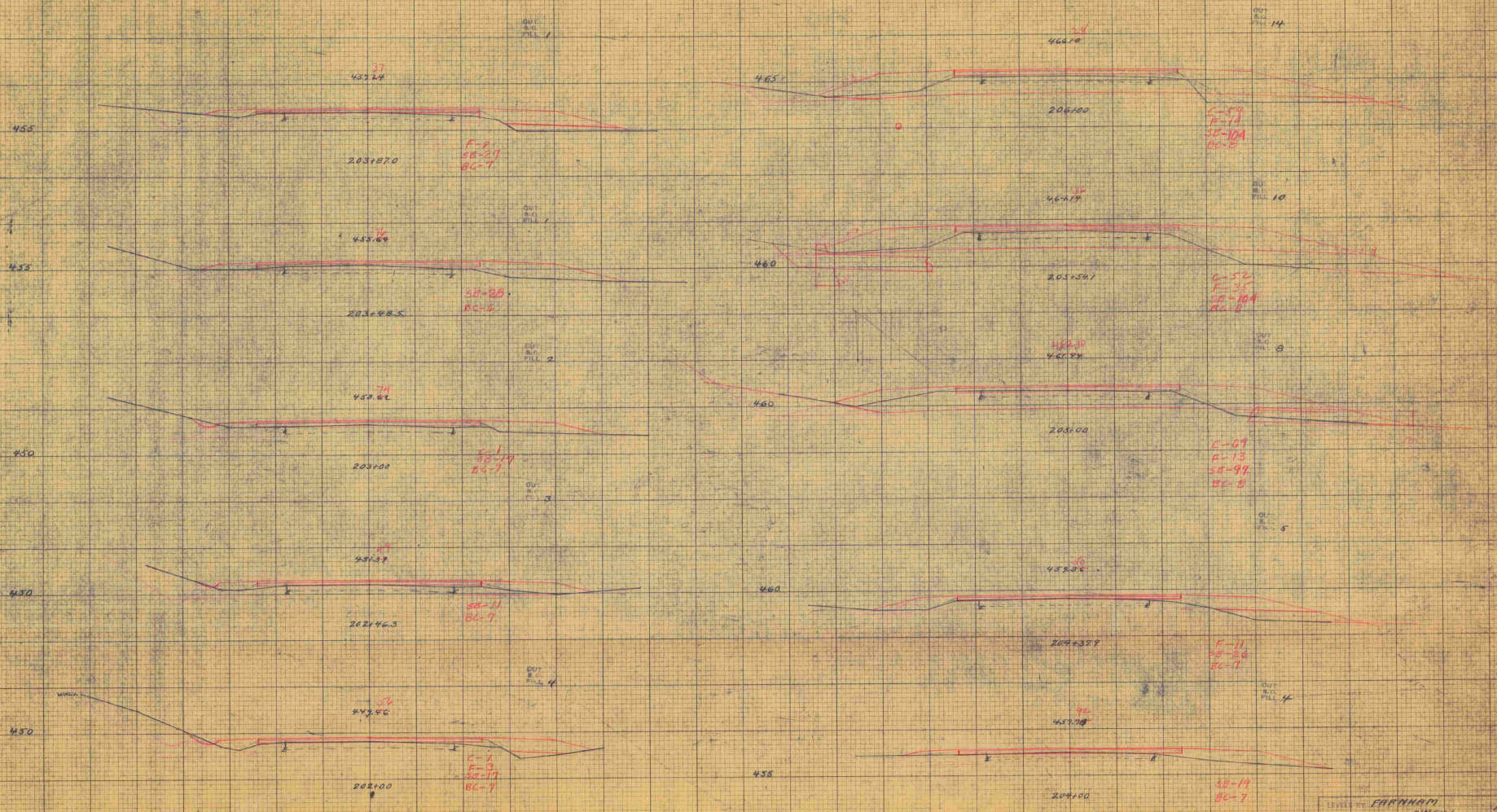
22 1933-20 24



FRANKLIN O'NEILL
1933-20 24

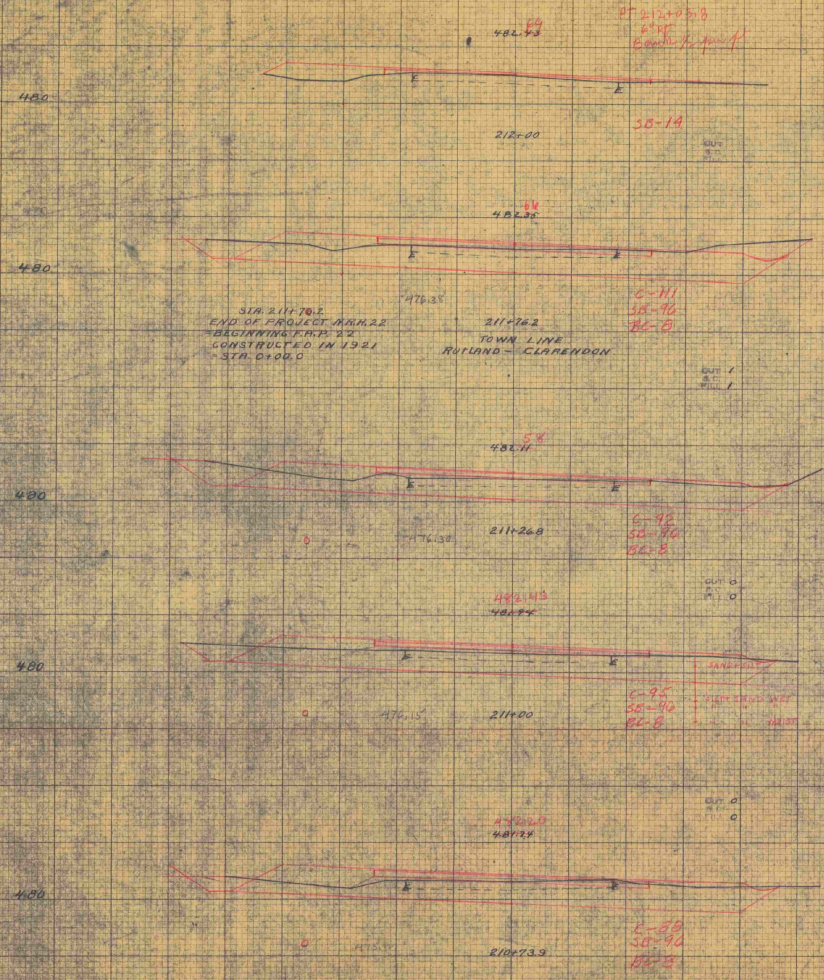


M.R.H.
22 1933 22 24



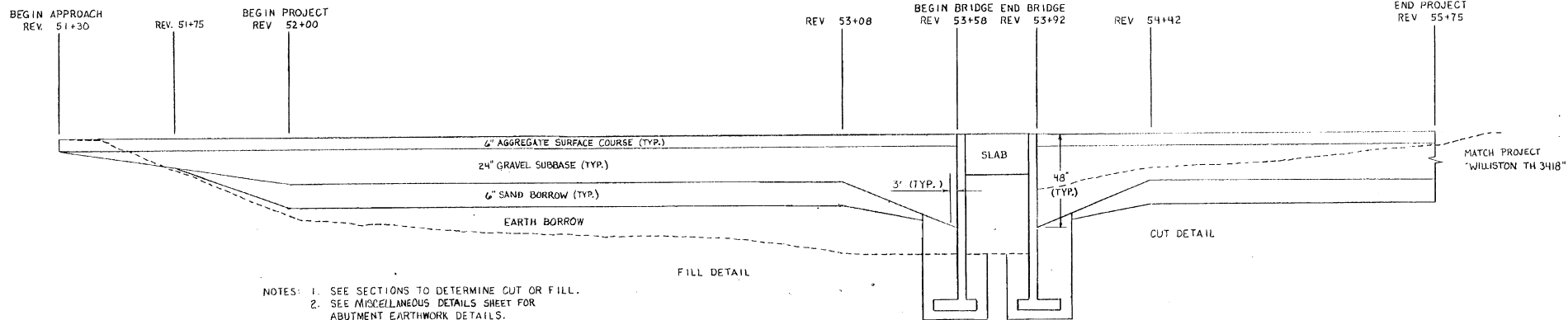
LEVEL BY FARNHAM
ONELL
M.R.H.
22 1933 22 24

NR 64
22 1933 24 24



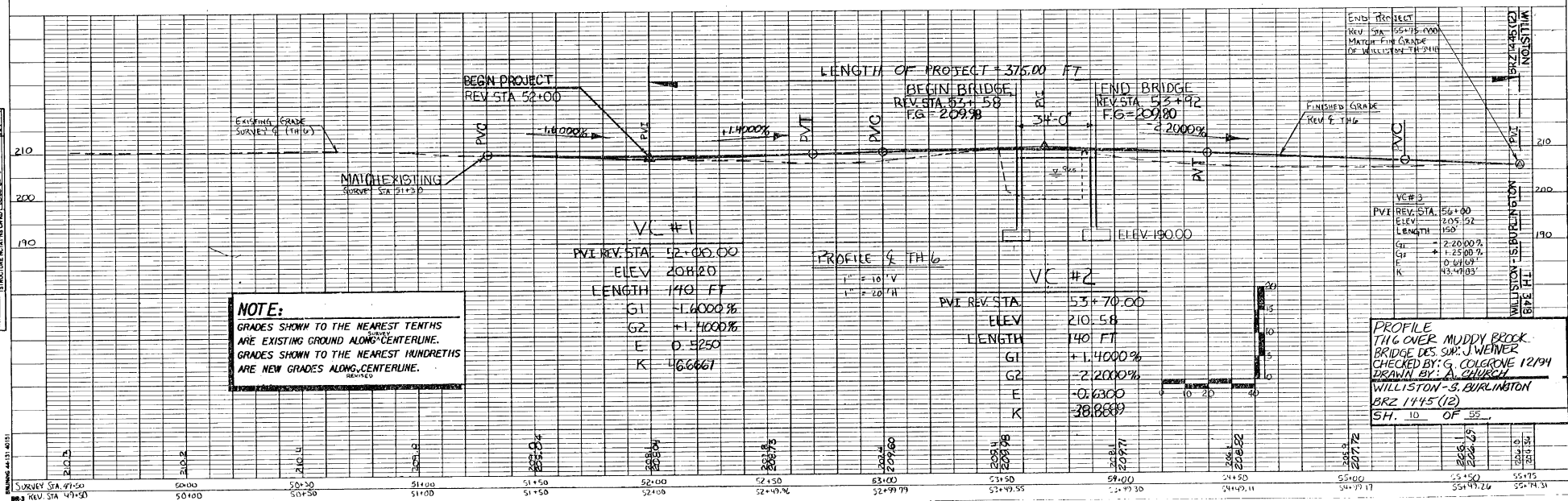
LEVELS BY EARNHAM
SECTION 12 ON 111
PLANES 12 ON 111
PLANES 12 ON 111
SHEET 22 OF 24

PLAN	DATE	BY	CHKD
DESIGNED			
DRAWN			
CHECKED			
IN CHARGE			
DATE			



EARTHWORK TRANSITION DETAIL - T.H. 6
(NOT TO SCALE)

PROFILE	DATE	BY	CHKD
DESIGNED			
DRAWN			
CHECKED			
IN CHARGE			
DATE			



19 48

Rutland
F 22 (2)

Vermont Agency of
Transportation
PHASE 3-INTERSTATE

DONE

Box 3443

INITIALS

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1948