

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
2-3	TYPICAL CROSS-SECTION OF IMPROVEMENT (7" One Course Concrete Pavement, Item 35 A)
4	BANKING AND WIDENING TABLES
5-17	PLAN AND PROFILE
18	Deep Cross Bridge Extension - Plan
19	Detail Sheet - Deck & Approach Slabs (Benjamin Falls Bridge)
20	Detail Sheet - Abutment N#1
21	Detail Sheet - Abutment N#2
22	Detail Sheet - Superstructure (Deep Crossing Bridge)
23	Detail Sheet - Superstructure
24	Detail Sheet - Abutment N#1
25	Detail Sheet - Abutment N#2
26	Standard Structure Sheet SB 20
27	Details D, M, Sarricoades, Signs, Lights
28	Pipe Culverts
29	Guard Rail
30	Standard Underdrain
31	Boundary Markers - Conc. Curb
32	One Course Cement Concrete Pavement
33	Sarricoades, Signs, Lights
34	Regulating of Slopes
35	Box Culverts
36	SCM 23 Wings for Box Culverts
37-74	Cross-sections
75-77	Channel Relocation
78	Roadside Improvement Force Acct. Item

Standard Structure Sheets
Approved by the Chief Engineer

S28 - July 11, 1933
S30 - Aug. 13, 1934
S31 - July 25, 1934

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT

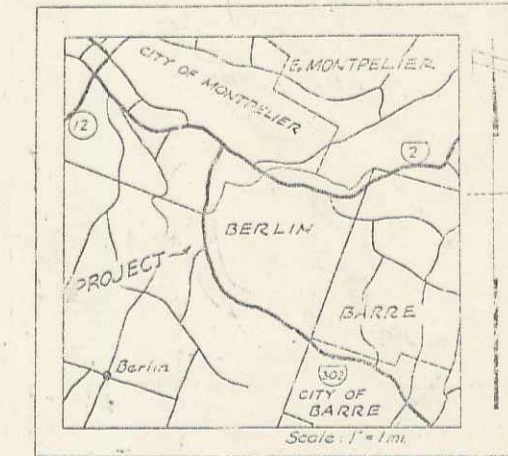
TOWN OF BERLIN Pin# 99R539

MONTPELIER-BARRE ROAD

BEGINNING AT THE MONTPELIER-BERLIN TOWN LINE, ON ROUTE US302, AND EXTENDING SOUTH-EASTERLY 1.210 MILES

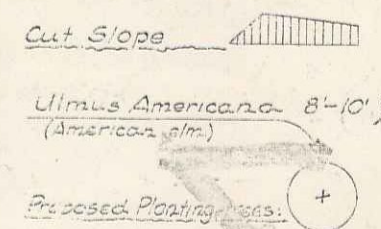
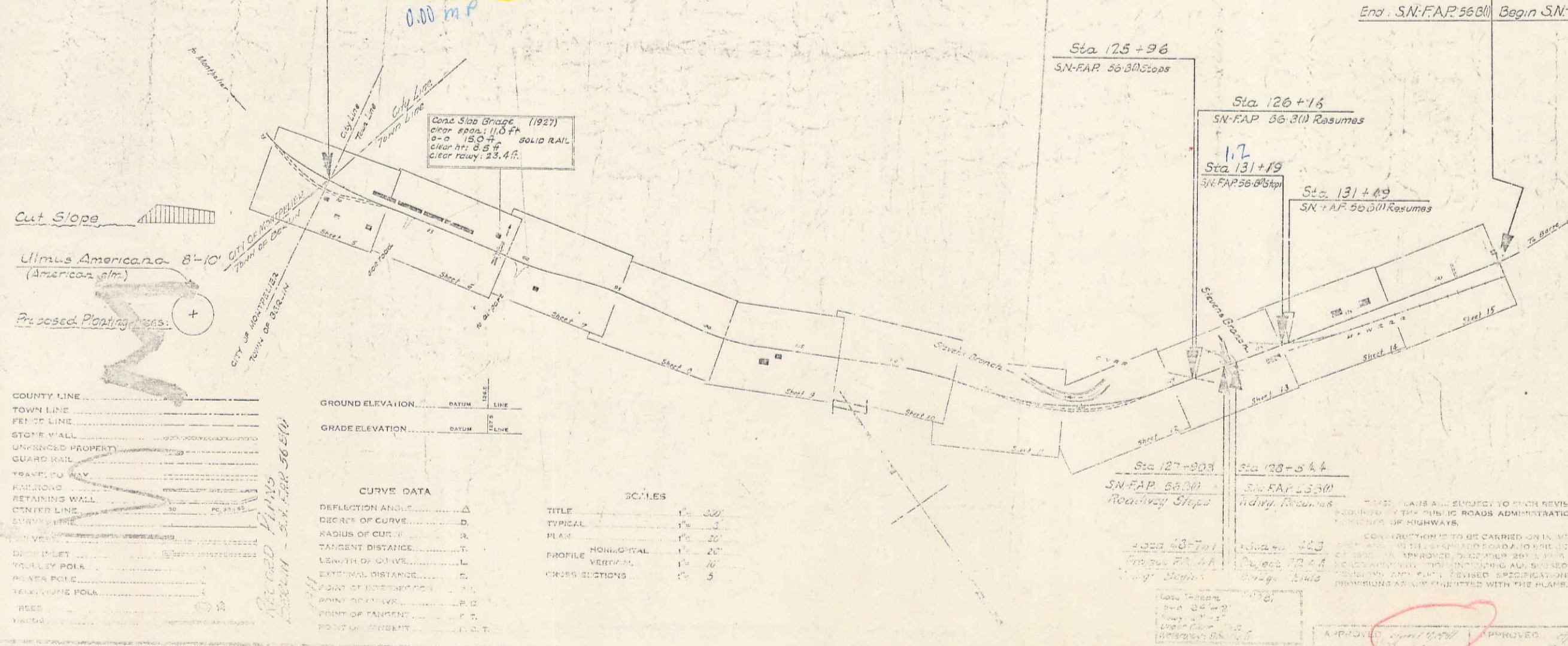
LENGTH OF BRIDGE: 64.1 FEET = 0.012 MILES
LENGTH OF ROADWAY: 6274.3 FEET = 1.188 MILES
LENGTH OF PROJECT: 6338.4 FEET = 1.200 MILES INC. BRIDGE

PREPARED BY	DATE	SCALE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
B. Vt.	56-B-11	1/4" = 1'	7	7	7



Sta 78+93 Sta 79+191
End SN-FAP 56B(1) Begin SN-FAP 56B(1)

MP 1.21
Sta 143+22.7 Sta 143+22.7
End SN-FAP 56B(1) Begin SN-FAP 56A(2)



CURVE DATA

DEFLECTION ANGLE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CHORD	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	P.I.
POINT OF BEGINNING	P.B.
POINT OF ENDING	P.E.
POINT OF TANGENT	P.T.
POINT OF CURVATURE	P.C.
POINT OF VERTICAL CURVATURE	P.V.C.
POINT OF TANGENT	P.T.
POINT OF CURVATURE	P.C.

SCALES

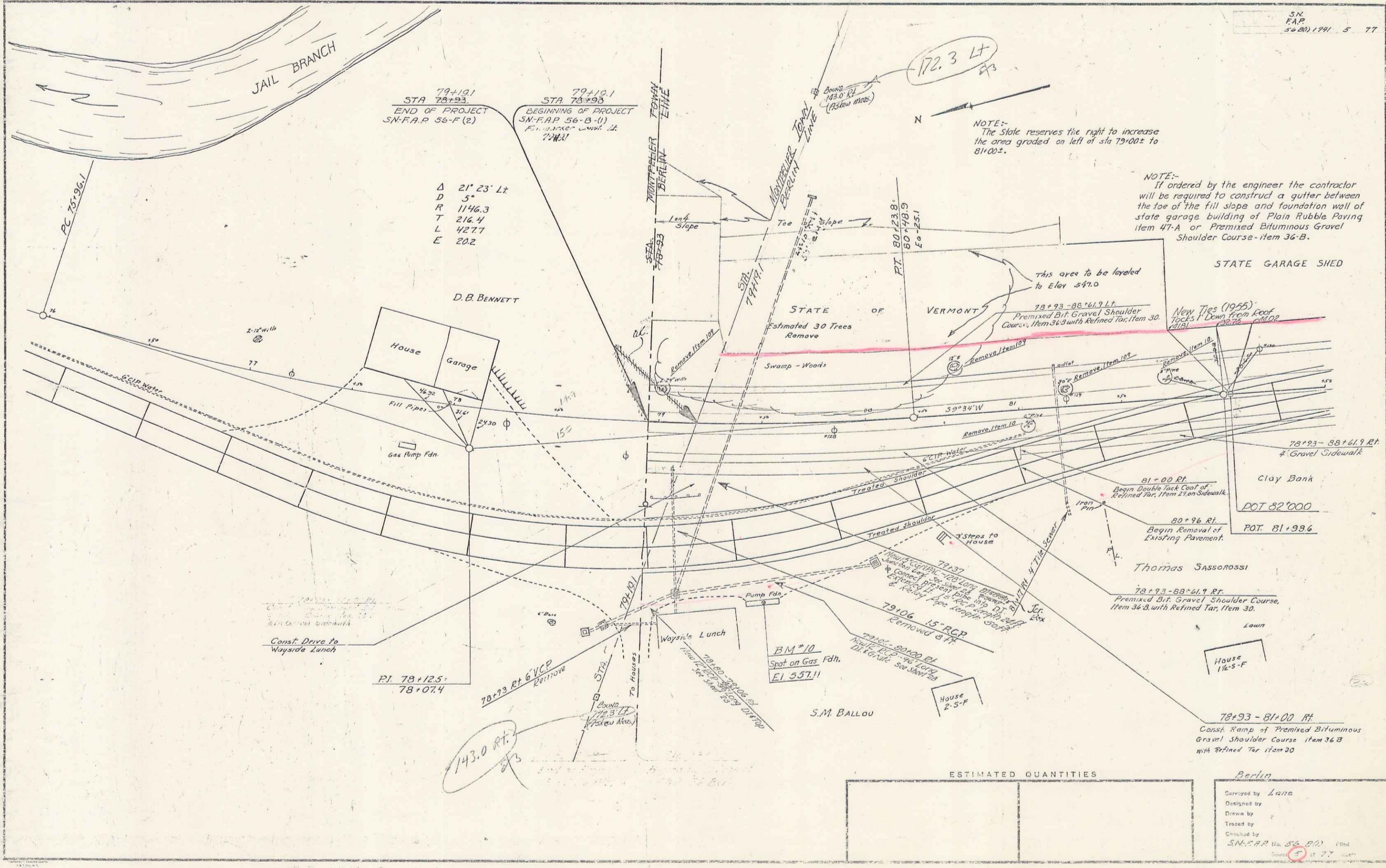
TITLE	SCALE
TYPICAL	1" = 20'
PLAN	1" = 20'
PROFILE HORIZONTAL	1" = 20'
PROFILE VERTICAL	1" = 20'
TRANSVERSE SECTIONS	1" = 5'

RECORD PLANS

APPROVED: [Signature]
SUBMITTED BY ORDER OF THE STATE HIGHWAY DEPARTMENT

STEARNS R. JENKINS

US 302



79+101
STA 78+93
END OF PROJECT
SN-FAP 56-F (2)

79+101
STA 78+93
BEGINNING OF PROJECT
SN-FAP 56-B (1)
ELEVATION 143.0 (Below Mean)

Δ 21° 23' Lt
D 5'
R 1146.3
T 216.4
L 427.7
E 20.2

NOTE:-
The State reserves the right to increase
the area graded on left of sta 79+00± to
81+00±.

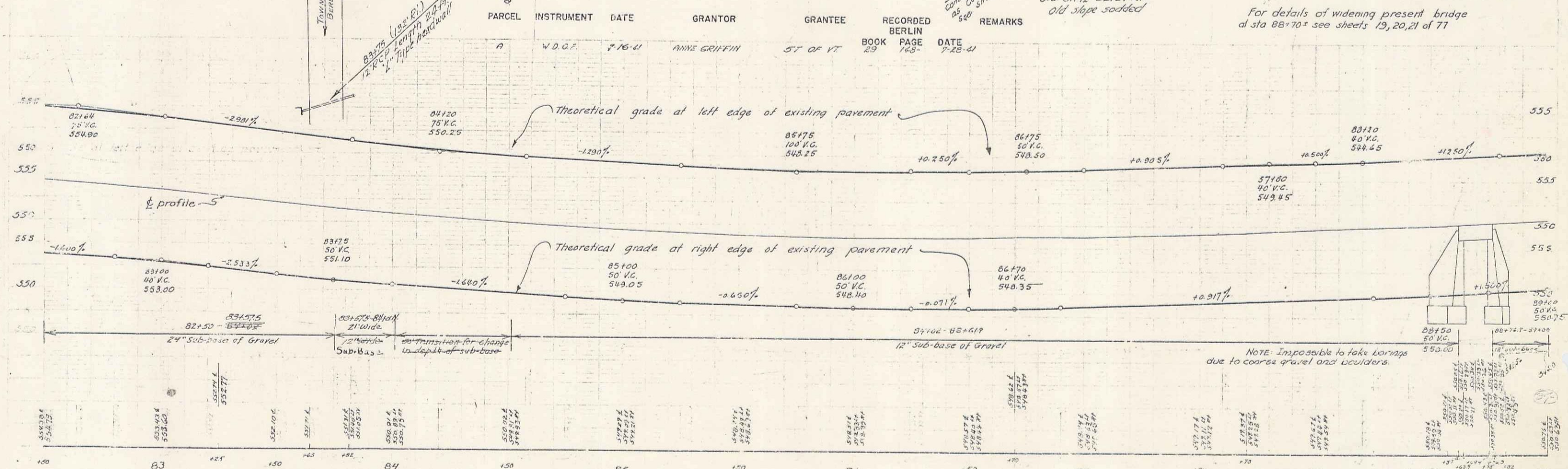
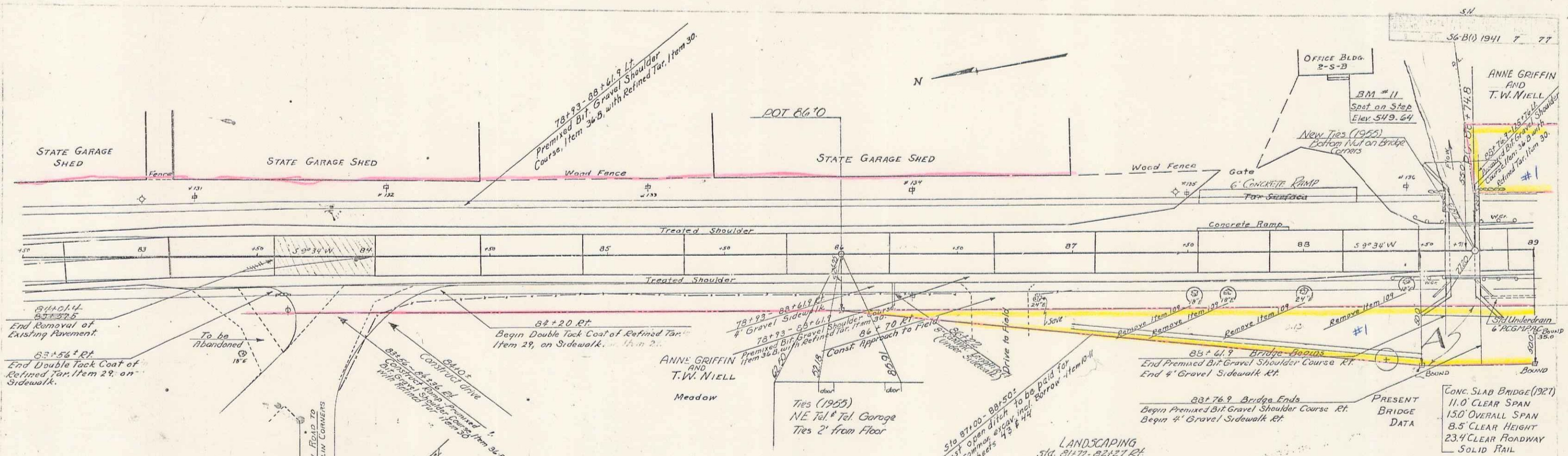
NOTE:-
If ordered by the engineer the contractor
will be required to construct a gutter between
the toe of the fill slope and foundation wall of
state garage building of Plain Rubble Gravel
item 47-A or Premixed Bituminous Gravel
Shoulder Course-item 36-B.

172.3 Lt

174.0 Rt

ESTIMATED QUANTITIES

Berlin
Surveyed by Lana
Designed by
Drawn by
Treed by
Checked by
SN-FAP No. 56-B(1) Filed
at 77



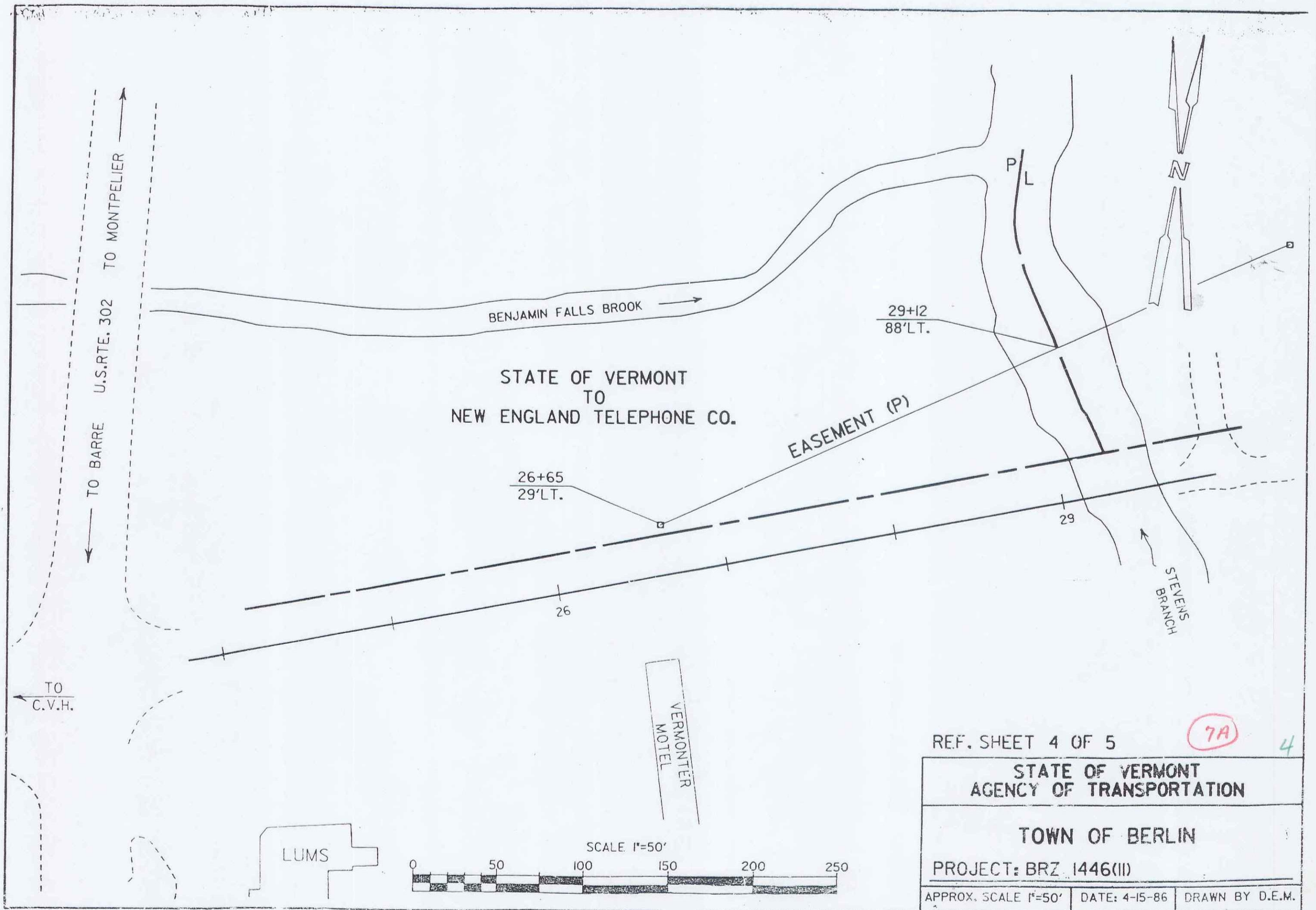
PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BERLIN	REMARKS
	W.D.C.P.	7-16-41	ANNE GRIFFIN	ST OF VT	BOOK 29 PAGE 123- DATE 7-23-41	

BM #11 SPOT ON CONCRETE STEP - 73' LT. STA. 88' 13" - ELEV. 549.64

For details of widening present bridge at sta 88+70 see sheets 19, 20, 21 of 77

NOTE: Impossible to take borings due to coarse gravel and boulders.

Berlin Series SH-FAP.56-P(1) Sheet 3 of 77



REF. SHEET 4 OF 5

7A

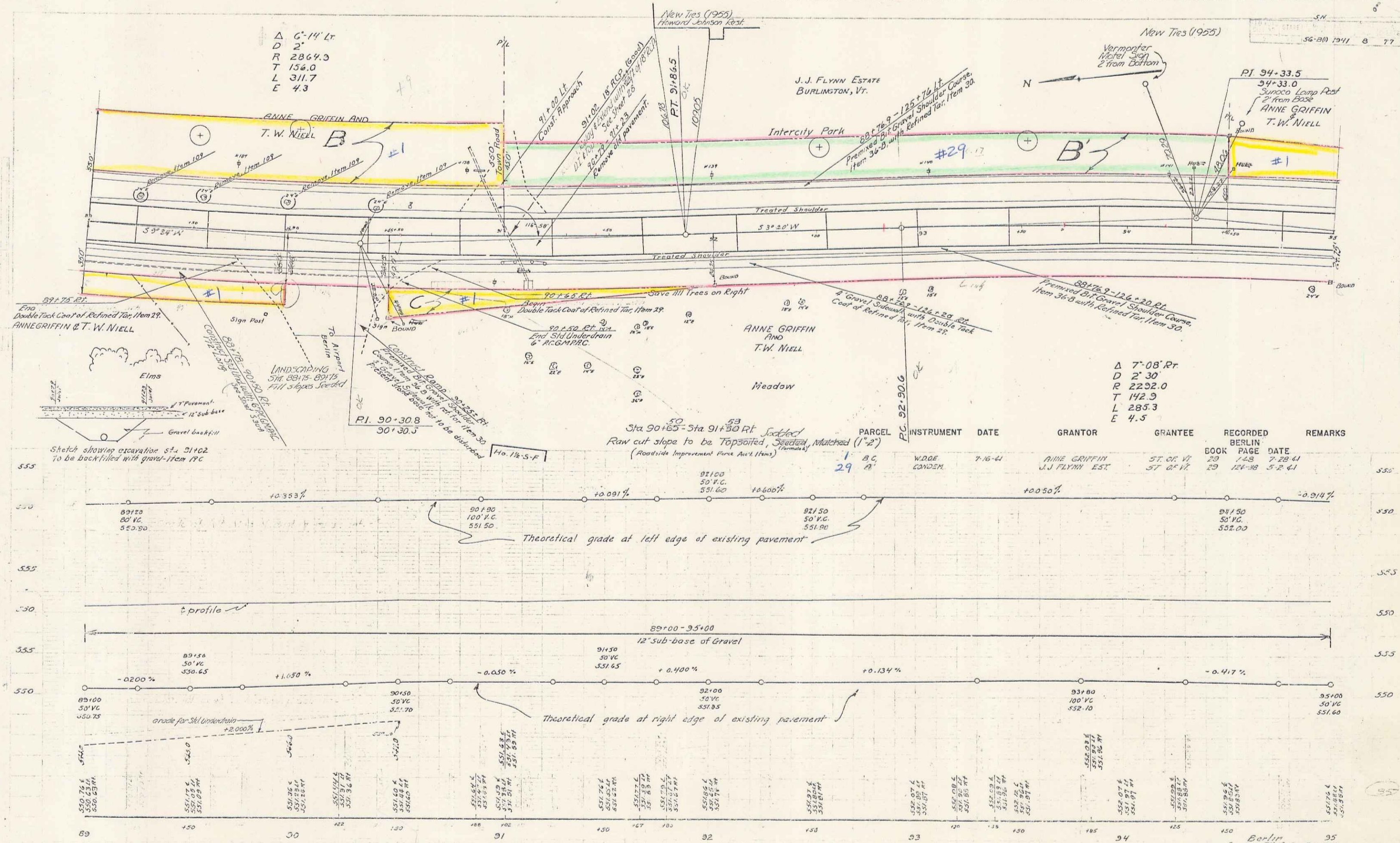
4

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF BERLIN

PROJECT: BRZ 1446(II)

APPROX. SCALE 1"=50'	DATE: 4-15-86	DRAWN BY D.E.M.
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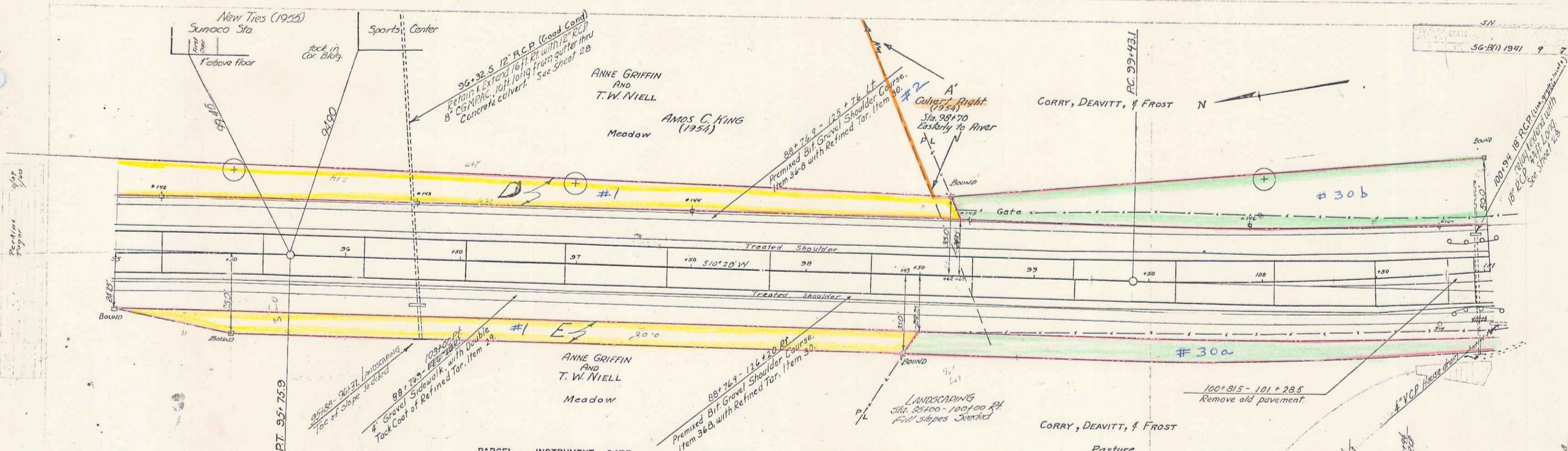


Peckins
Payer

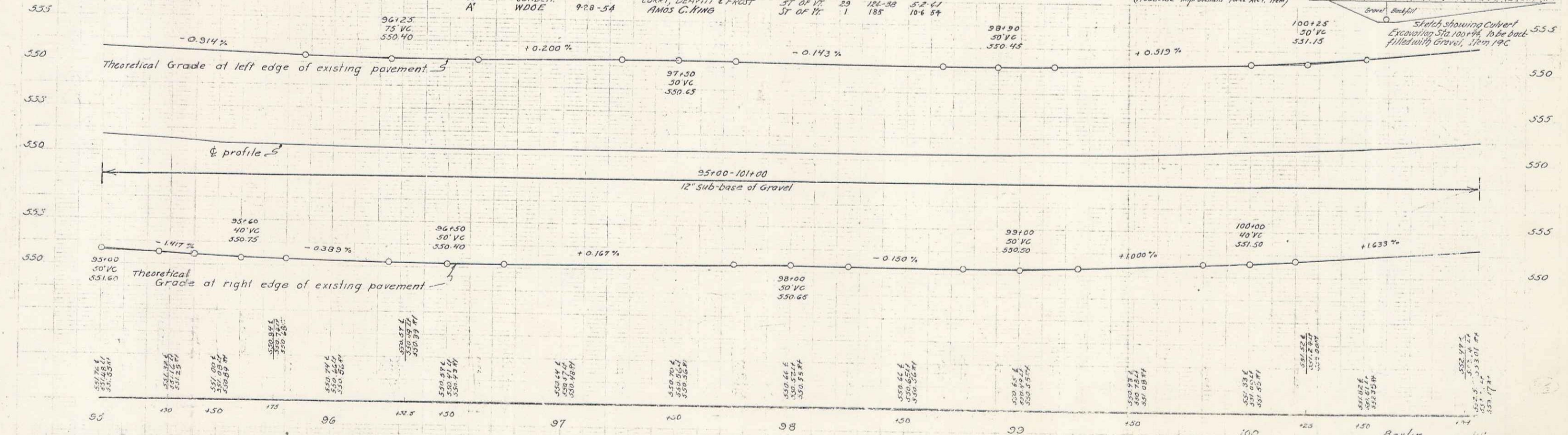
56-B(1) 1941 B 77

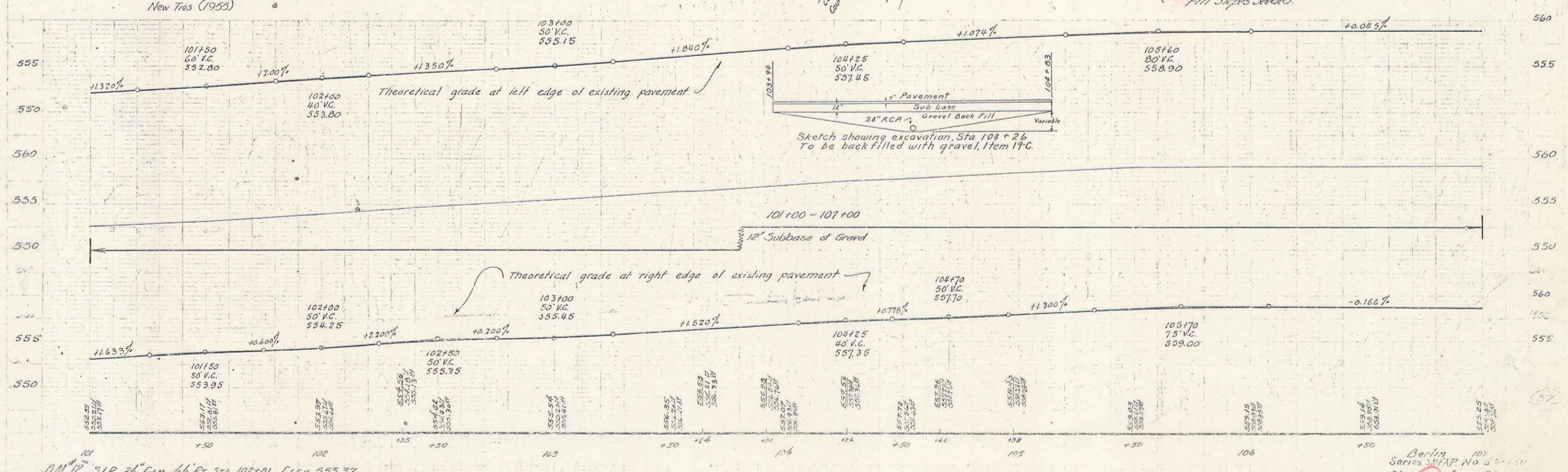
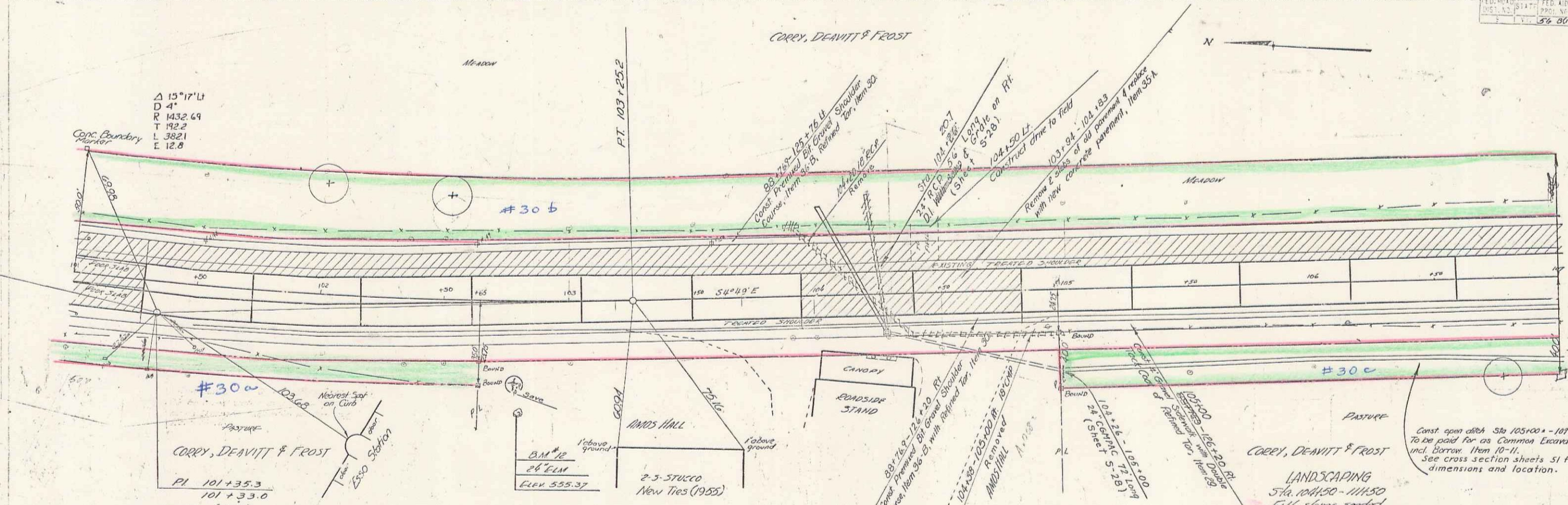
Berlin 95
Series S.P.A. 56-B(1)
Sheet 8 of 77 Sheets

5



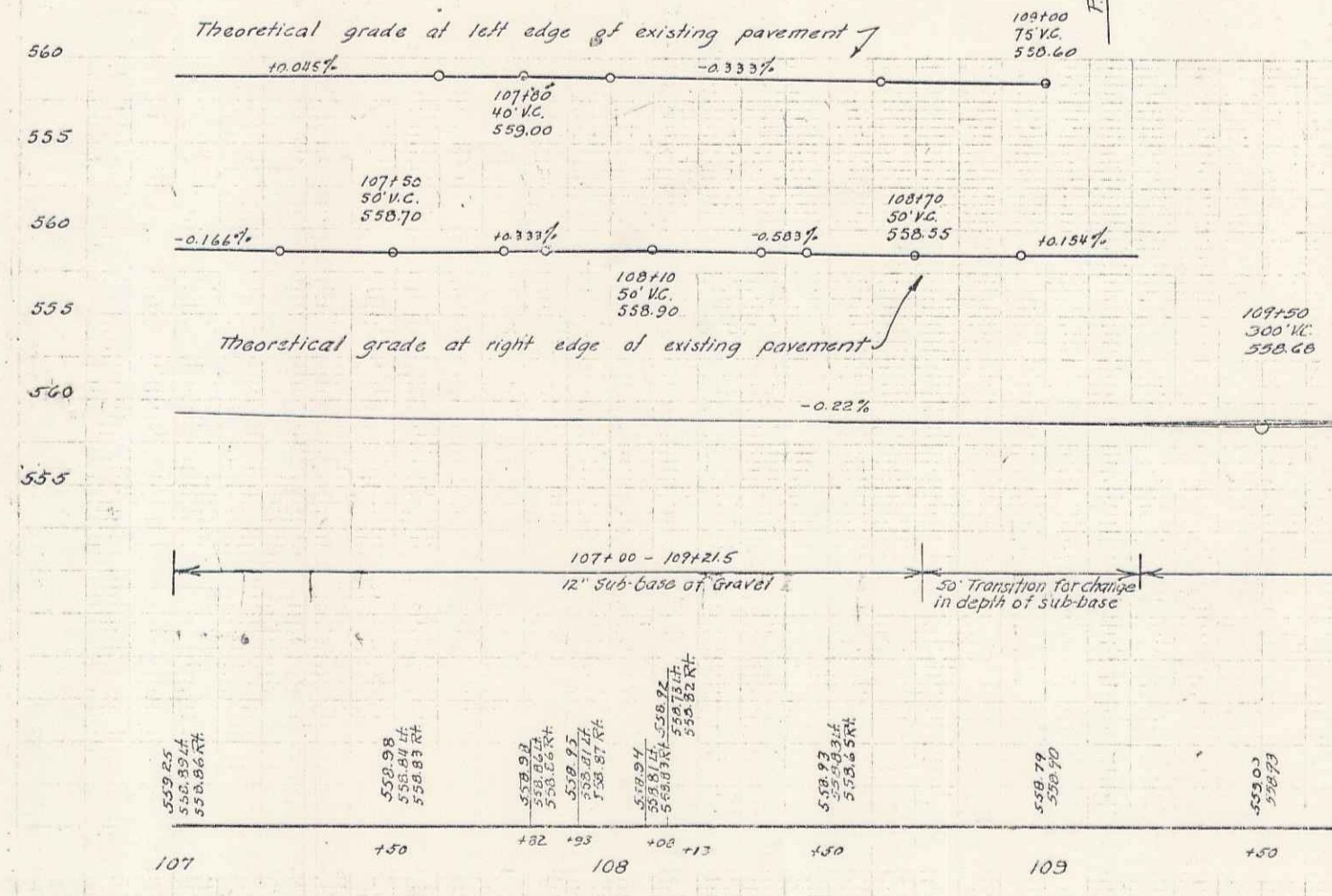
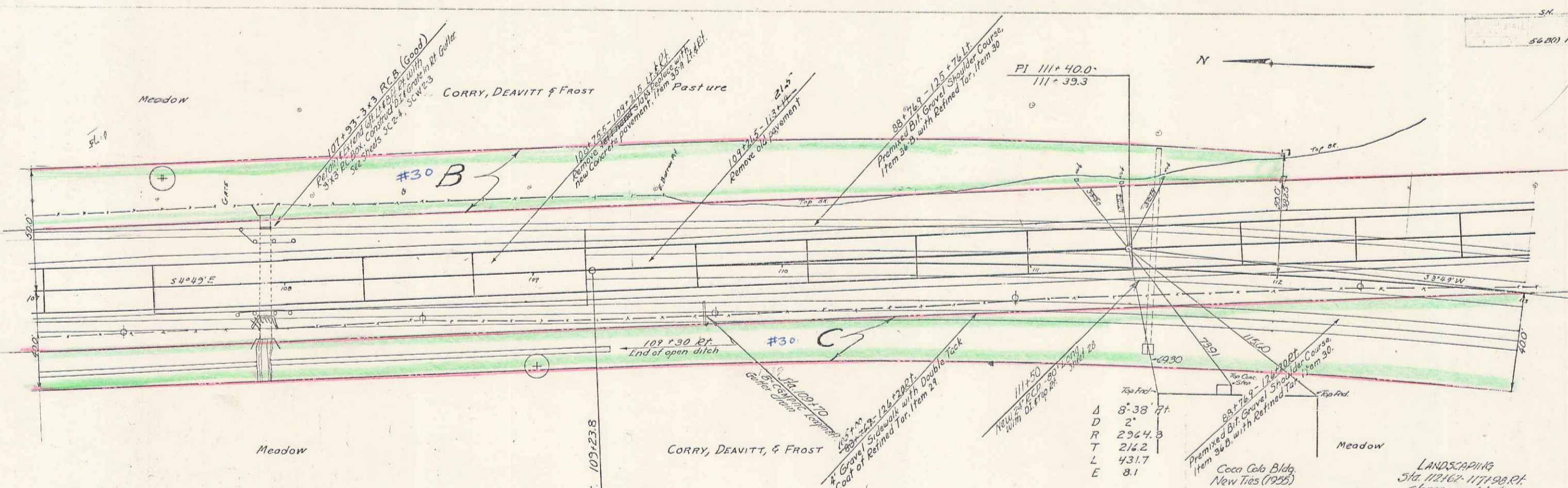
PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BERLIN BOOK PAGE	DATE	REMARKS
D, E	W.D.O.E.	7-16-41	ANNE GRIFFIN AND T.W. NIELL	ST. OF VT.	29 148	7-28-41	
A'	COND. M. W.D.O.E.	9-28-54	CORRY, DEAVITT & FROST AND AMOS C. KING	ST. OF VT.	29 122-38	5-2-41	
				ST. OF VT.	1 185	10-6-54	



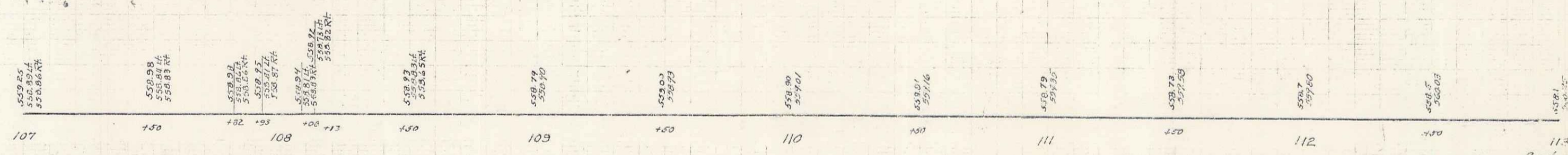


BM 12 51R 24" ELM 44' Rx Sta. 102+01 Elev 555.37

Berlin Series MAP No. 56-1-11
 Sheet 10 of 77 Sheets



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	BERLIN	REMARKS
BOOK	PAGE	DATE			BOOK	PAGE	
B.C.	CONDOR		CORRY, DEAVITT & FROST	ST OF VT	29	114-38	52-61 NEW COAK

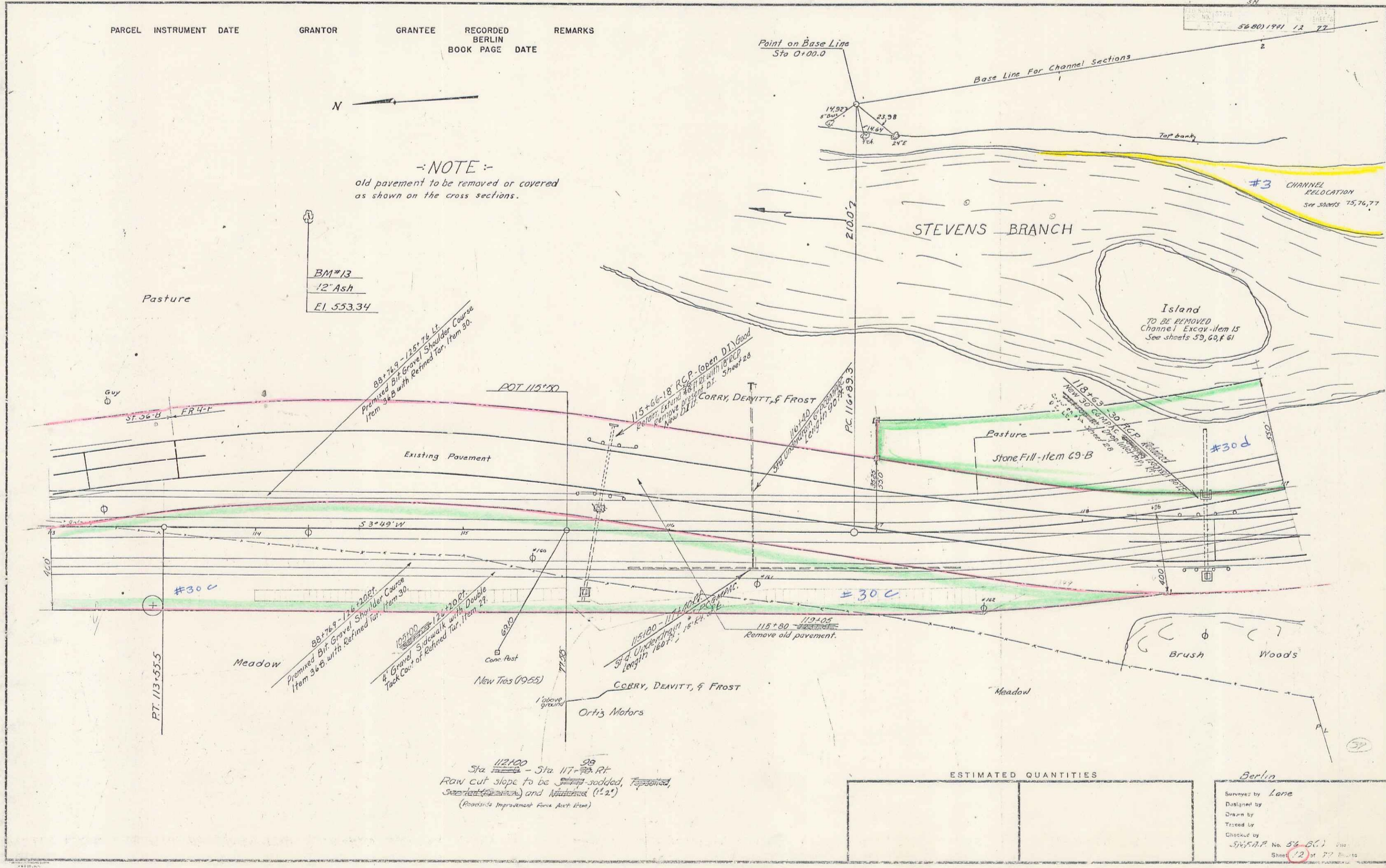


PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BERLIN	REMARKS
					BOOK PAGE	DATE

56-80(191) 1,2 77

- NOTE -
old pavement to be removed or covered as shown on the cross sections.

BM #13
12" Ash
El. 553.34

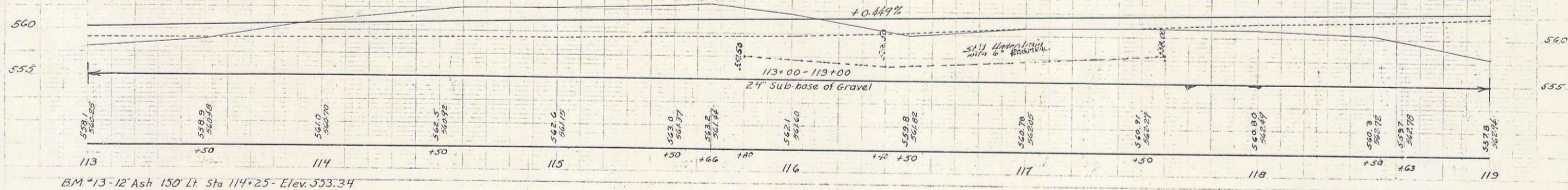


Sta 112+00 - Sta 117+00 RT
Raw cut slope to be sodded, topsoiled,
seeded (Spartina) and Nutrient (1" x 1")
(Roadside Improvement Force Act Item)

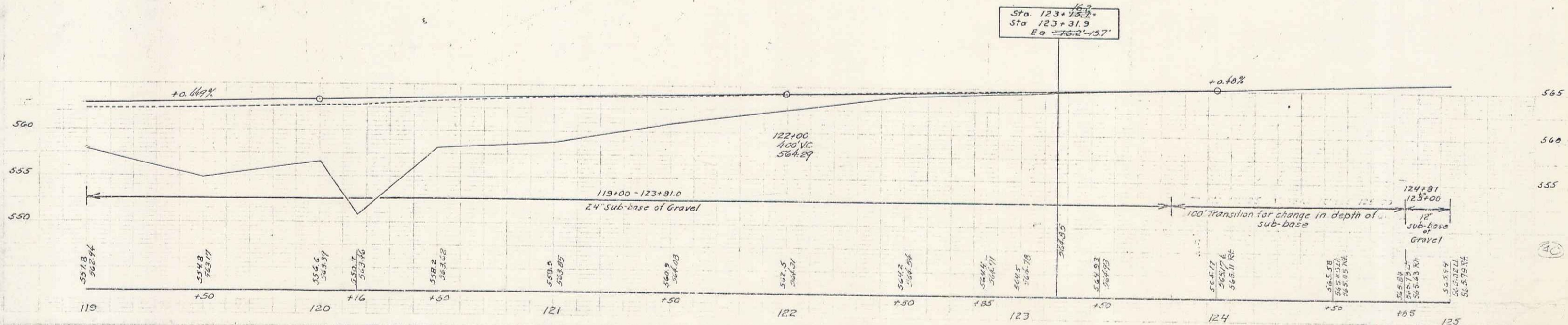
ESTIMATED QUANTITIES

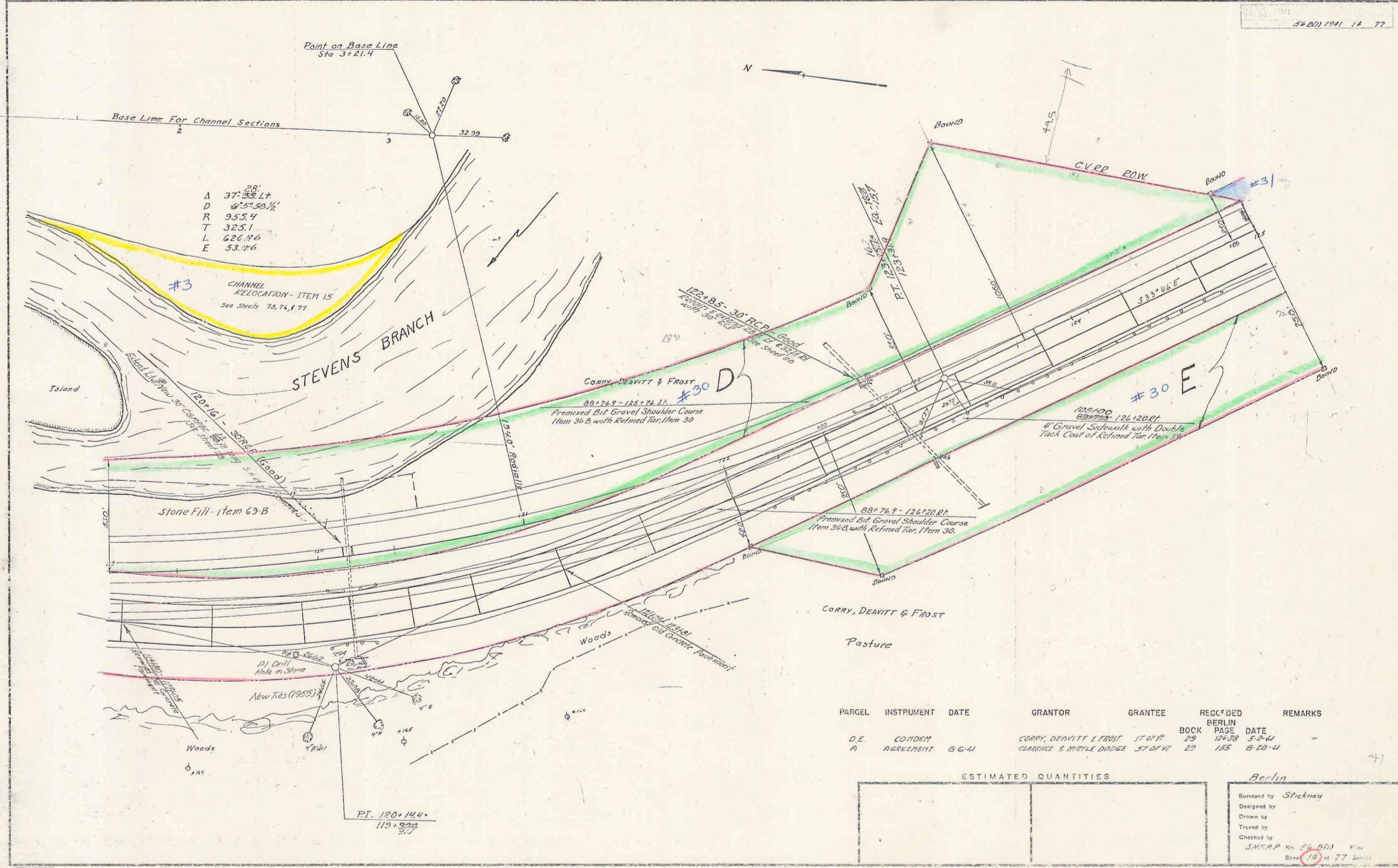
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Berlin
Surveyed by Lane
Designed by
Drawn by
Traced by
Checked by
S.V.P.P. No. 56-80(1) 1,2
Sheet 12 of 72 Sheets



B.M. #13-12 Ash 150 Lf. Sta 114+25 - Elev. 553.34





PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
D.E.	CONDEN		CORRY, DEVITT & FROST	ST OF W	BOOK 29	
A	AGREEMENT	8-6-41	CLARENCE E. MYRLE DODGE	ST OF W	PAGE 155	8-28-41

ESTIMATED QUANTITIES

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Berlin

Surveyed by *Streckney*

Designed by

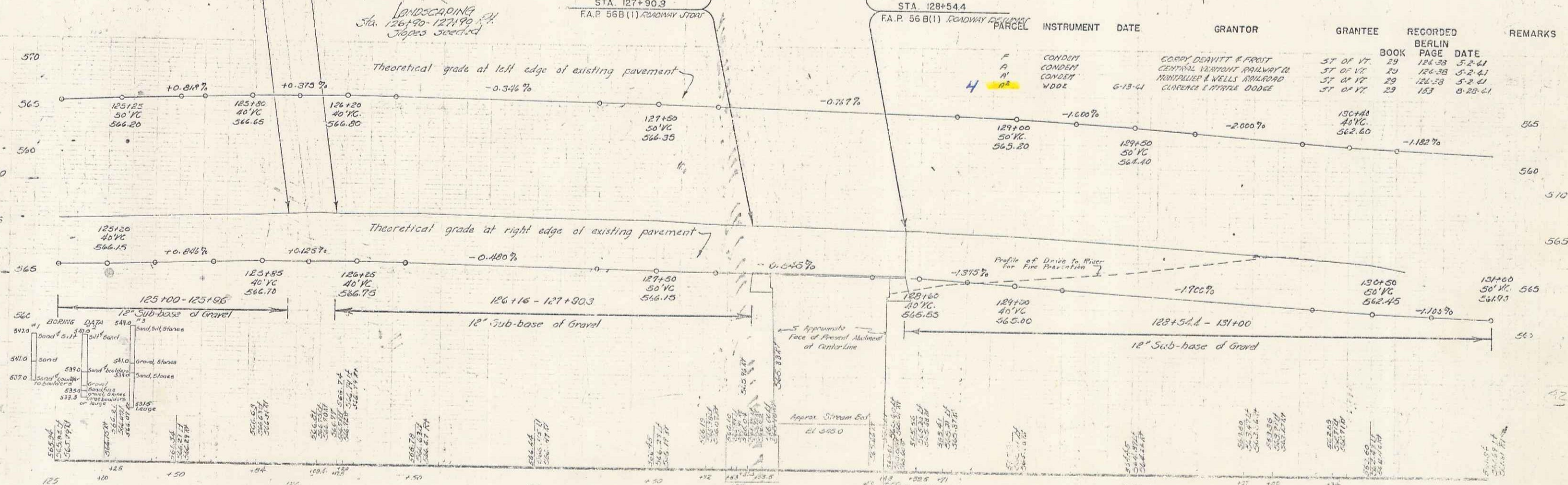
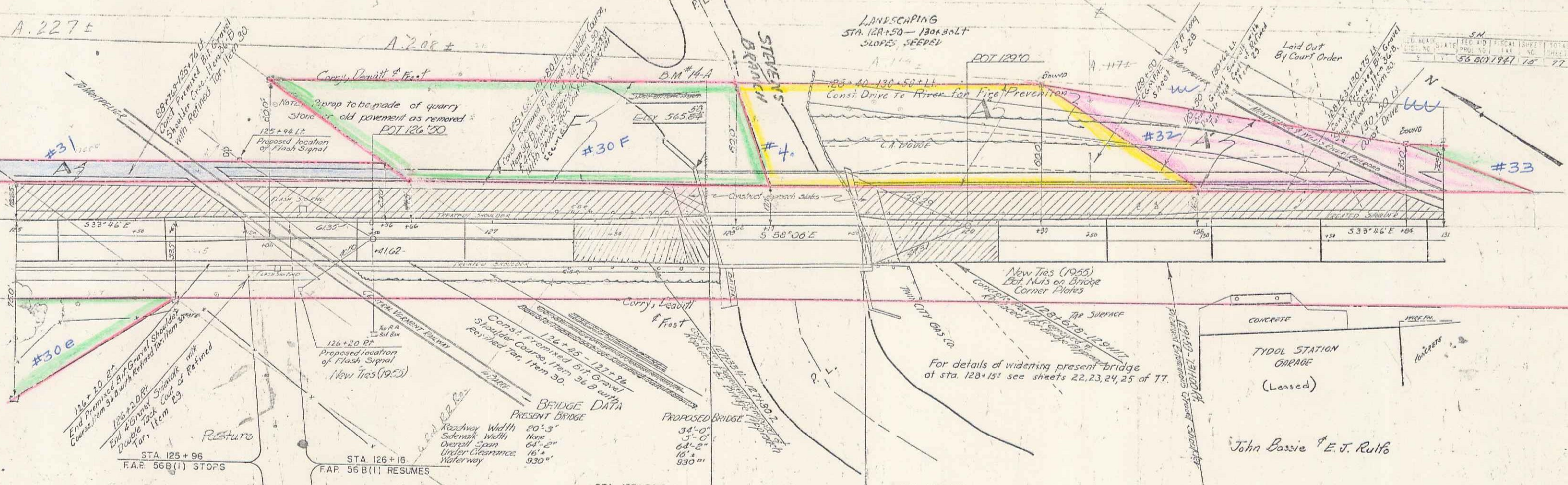
Drawn by

Traced by

Checked by

S.M.E.P. No. 56 (611)

Sheet 18 of 77

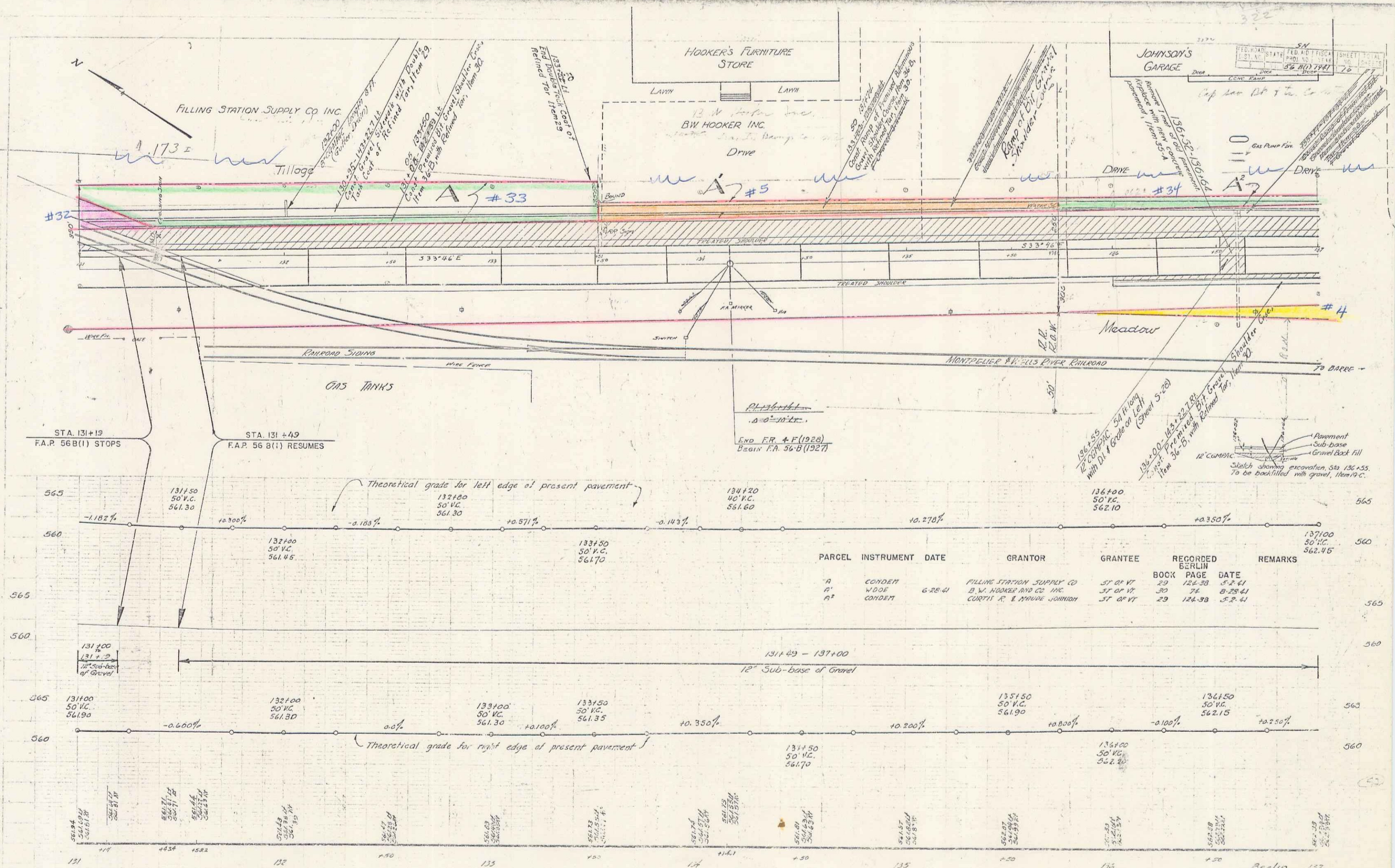


PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BOOK	RECORDED PAGE	RECORDED DATE	REMARKS
4	CONDEN	6-15-41	CORRY DEWITT & FROST	57 OF 17	184-33	5-2-41		
	CONDEN		CENTRAL VERMONT RAILWAY CO	57 OF 17	124-38	5-2-41		
	CONDEN		MANFULLER & WELLS ROADWAY	57 OF 17	124-38	5-2-41		
	WDOE		CURRIER & WATKINS DODGE	57 OF 17	153	8-20-41		

BM 14 SPOT ON TOP NW CORNER OF CONCRETE ADJ. 135 FT STA. 127+90 ELEV. 563.84

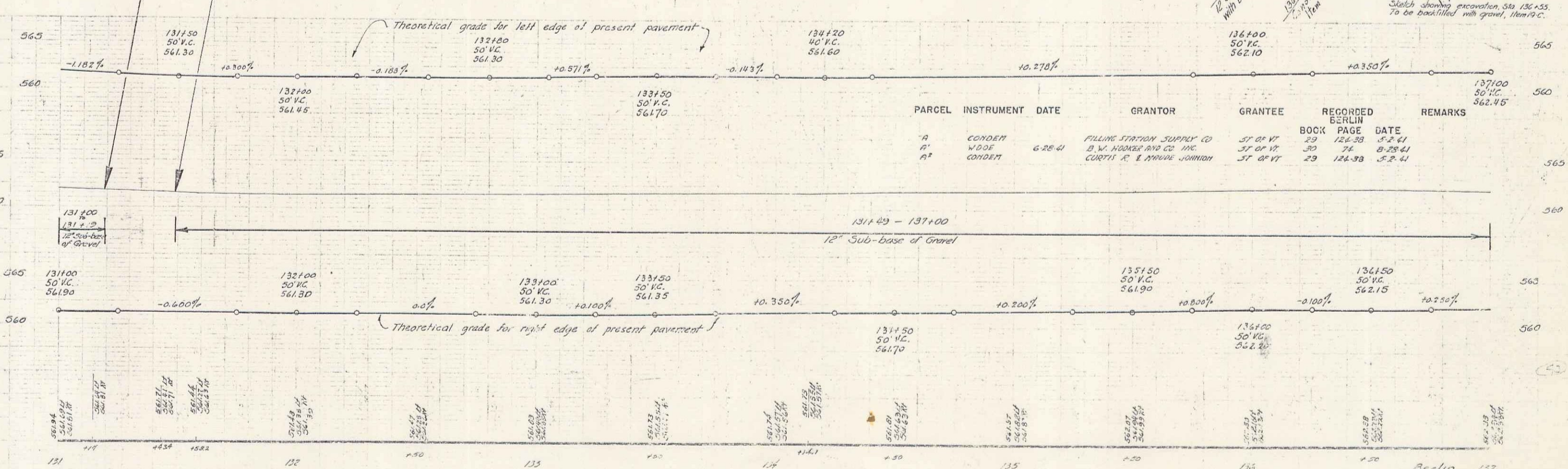
Berlin, Vt. Series 154-P No. 51-800 Sheet 15 of 77 Sheets

12



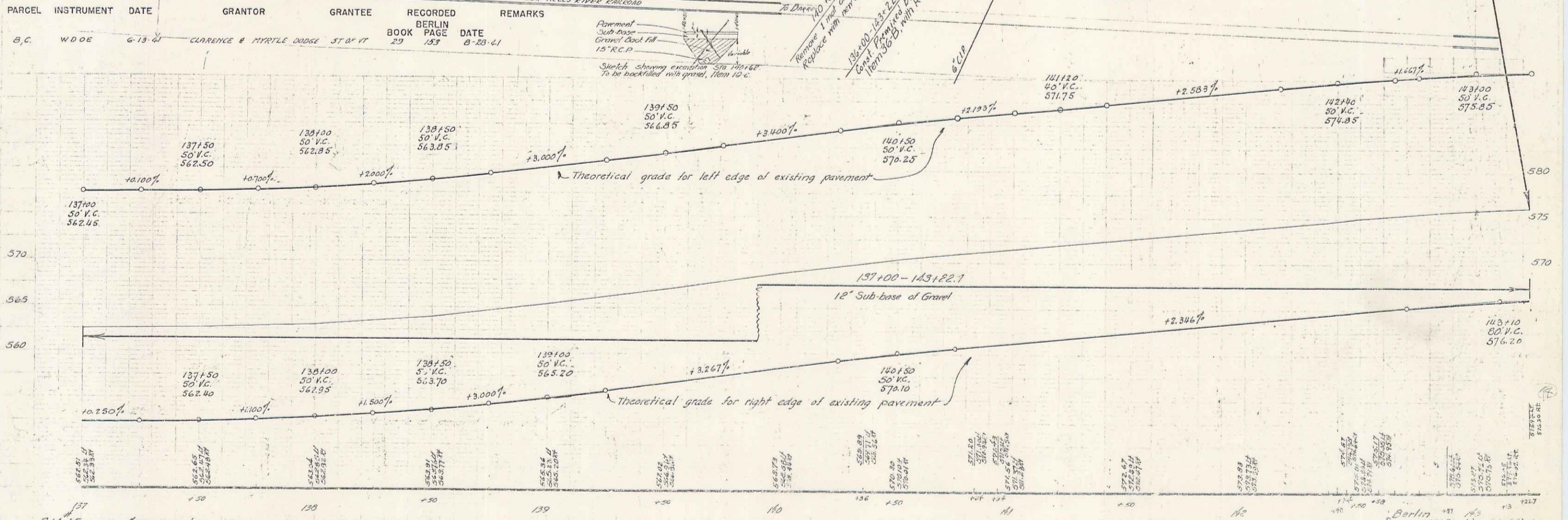
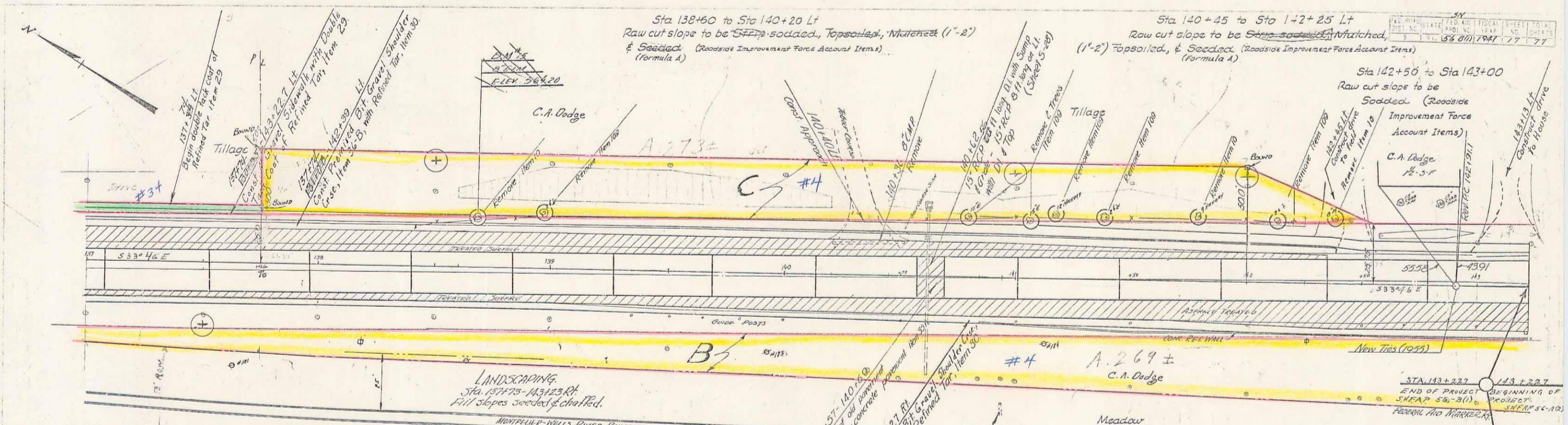
STA. 131+19
F.A.P. 56 B(1) STOPS

STA. 131+49
F.A.P. 56 B(1) RESUMES



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BERLIN	REMARKS
A	CONDEN		FILLING STATION SUPPLY CO	ST OF VT	BOOK 29 PAGE 124-38	5-2-41
A'	W.D.E	6-28-41	B.W. HOOKER AND CO. INC.	ST OF VT	29 74 B-28-41	5-2-41
A''	CONDEN		CURTIS R. & MAUDE JOHNSON	ST OF VT	29 124-38	5-2-41

Berlin 137
Series (F.A.P. No. 53-101)
Sheet 18 of 77 Sheets

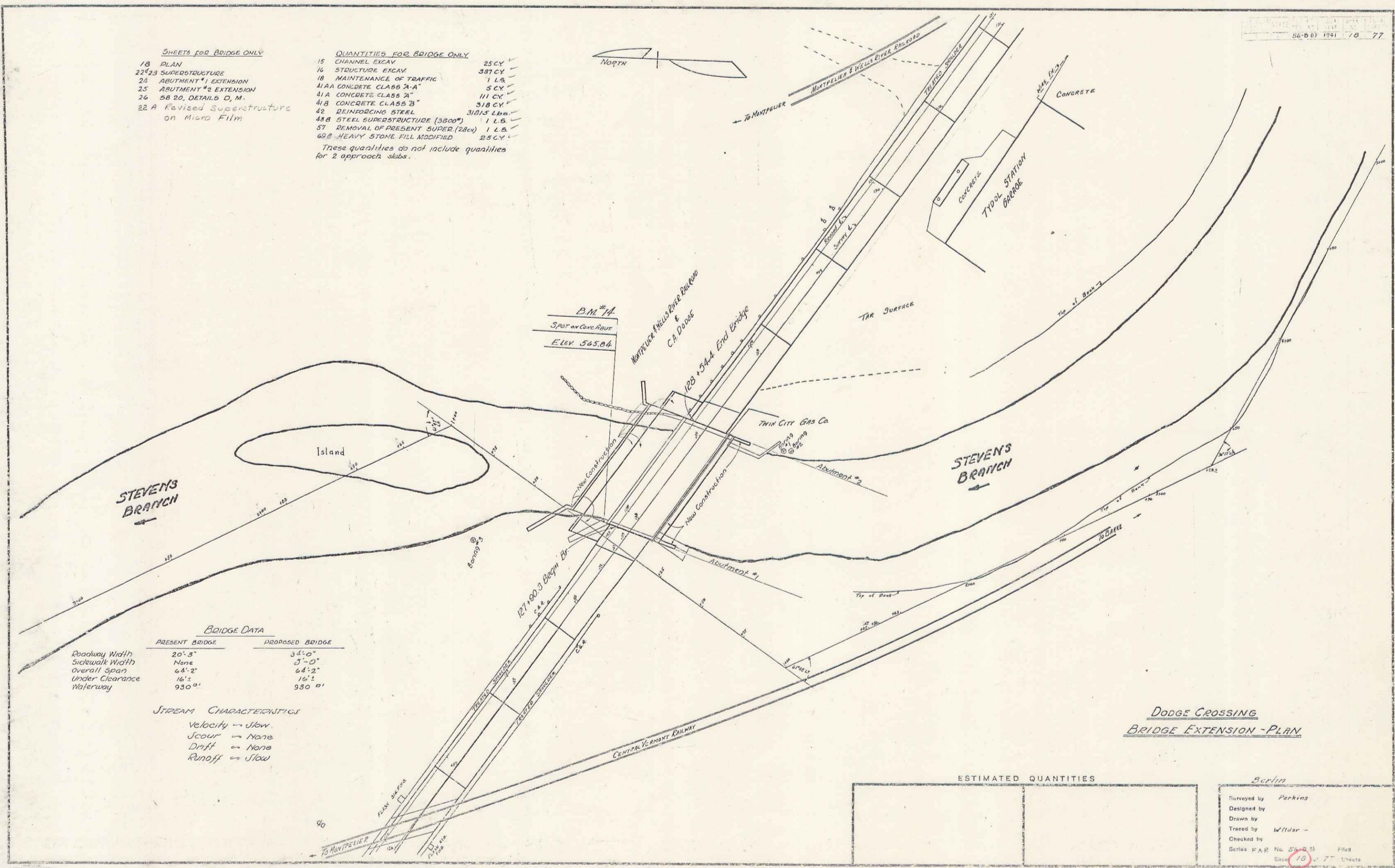
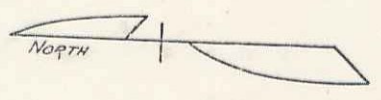


DM 15 31R 8' ELM 215 Lt STA 138+60 Elev 564.20

Berlin Series SHEEP No. 56-211
Sheet 14 of 77 sheets.

SHEETS FOR BRIDGE ONLY
 18 PLAN
 22-23 SUPERSTRUCTURE
 24 ABUTMENT #1 EXTENSION
 25 ABUTMENT #2 EXTENSION
 26 SB 20, DETAILS D, M.
 22 A Revised Superstructure on Micro Film

QUANTITIES FOR BRIDGE ONLY
 15 CHANNEL EXCAV 25 CY ✓
 16 STRUCTURE EXCAV 387 CY ✓
 18 MAINTENANCE OF TRAFFIC 1 L.S. ✓
 41A CONCRETE CLASS "A-A" 5 CY ✓
 41A CONCRETE CLASS "A" 171 CY ✓
 41B CONCRETE CLASS "B" 318 CY ✓
 42 REINFORCING STEEL 3181/2 LBS. ✓
 44B STEEL SUPERSTRUCTURE (3800') 1 L.S. ✓
 57 REMOVAL OF PRESENT SUPER (28cy) 1 L.S. ✓
 60B HEAVY STONE FILL MODIFIED 25 CY ✓
 These quantities do not include quantities for 2 approach slabs.



BRIDGE DATA

	PRESENT BRIDGE	PROPOSED BRIDGE
Roadway Width	20'-3"	34'-0"
Sidewalk Width	None	3'-0"
Overall Span	64'-2"	64'-2"
Under Clearance	16'-2"	16'-2"
Waterway	930'±	930'±

STREAM CHARACTERISTICS
 Velocity → Slow
 scour → None
 Drift → None
 Runoff → Slow

**DODGE CROSSING
 BRIDGE EXTENSION - PLAN**

ESTIMATED QUANTITIES

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Surveyed by Perkins
 Designed by
 Drawn by
 Traced by Wilbur
 Checked by
 Series P.A.P. No. 56-D-01 Filed
 Sheet 10 of 77 Sheets