

- INDEX OF SHEETS
1. TITLE SHEET
 2. TYPICAL CROSS SECTION OF IMPROVEMENT 1 1/2" BITUMINOUS CONCRETE PAVEMENT, 172M 361-8
 3. DRAINAGE & ITEM QUANTITY SHEET
 - 4-5. EARTHWORKS
 6. B-1 BANKING TABLES
 7. B-5 TYPICAL SLOPE GRADING
 8. C-1 (TIMBER CURB)
 9. D-1 (PREC. REINF. CONC. PIPE DROP INLET W/COVER)
 10. D-2 (HEADWALLS AND UNDERDRAIN)
 11. D-3 (GUTTERS)
 12. D-4 (UNDERDRAIN FLUSHING BASIN)
 13. D-16 (PRECAST REINF. CONC. CURB DROP INLET W/CAST IRON GRATE AND FRAME)
 14. E-1 (BARRICADES SIGNS & LIGHTS)
 15. E-31 (FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS)
 16. G-2a (TWO CABLE GUARD RAIL)
 17. G-4 (MARKER POST & GUIDE POSTS)
 18. J-1 (PROJECT MARKERS AND BOUNDARY MARKERS)
 - 19-24. PLAN AND PROFILE SHEETS
 - 25-55. CROSS SECTIONS
 56. BANKING TRANSITIONS
 - 57-58. CHANNEL SECTIONS
 - 7B. B-10 EMBANKMENT ON A SLOPE
 - 7C. B-11 SLOPE STABILIZATION
 - 7A. B-6 MUCK EXCAVATION
- Added in Plans
- 3 - Final Earthworks Sheets
- 10 - Drainage Sheets
- 5 - Barricade Post Sections Sheets
- 1 - Muck Section Sheet
- 1 - Rock Section Sheet
- 1 - Turn-out in Waste Area

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

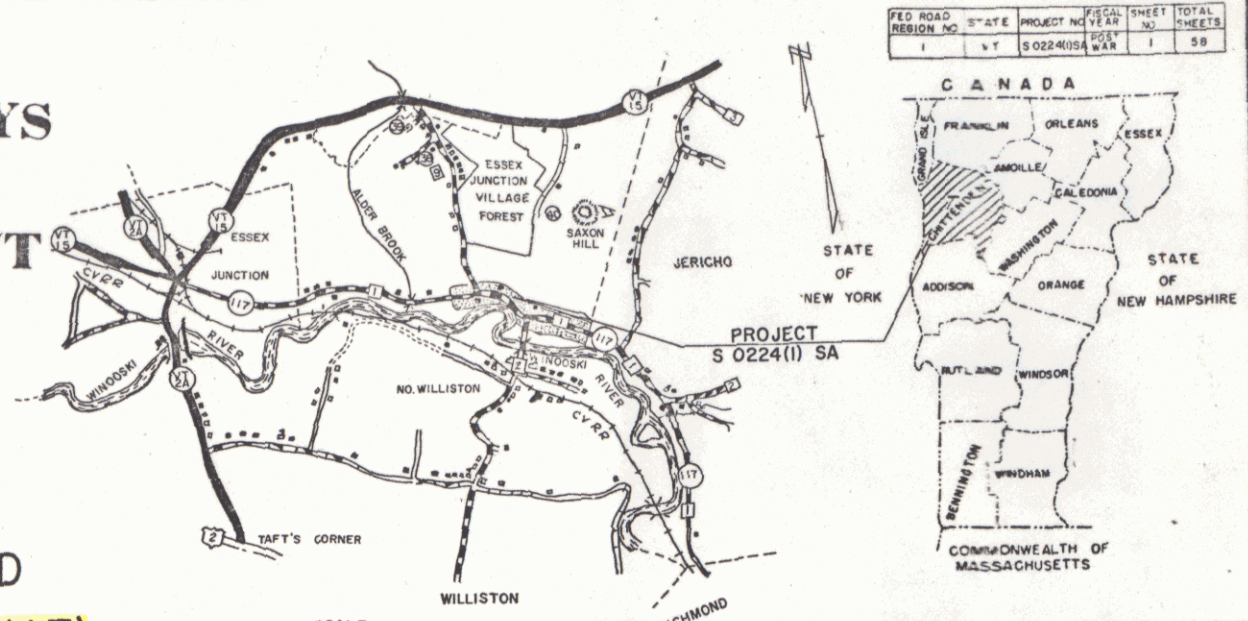
FEDERAL AID SECONDARY PROJECT

TOWN OF ESSEX

COUNTY OF CHITTENDEN

RICHMOND-ESSEX JUNCTION ROAD

STATE AID HIGHWAY #1 (VT. RTE. #117)



BEGINNING AT A POINT 1.477 MILES WESTERLY OF
THE ESSEX-JERICO TOWN LINE AND EXTENDING
EASTERLY 1.477 MILES

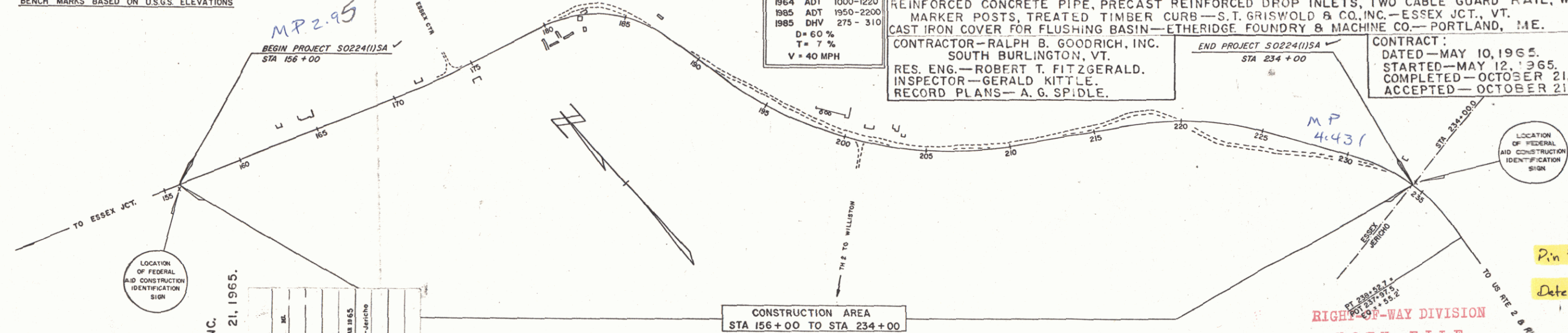
LENGTH OF PROJECT 7800.0 FT. = 1.477 MI.

SUBBASE OF GRAVEL & OF SAND - IRISH PIT - JERICO, VT.
CUTBACK ASPHALT - MOBIL OIL CO. - ALBANY, N.Y.
ASPHALT CEMENT - HUMBLE OIL CO. - EVERETT, MASS.
BITUMINOUS CONCRETE PAVEMENT - VERMONT PAVING CORP. - WILLISTON, VT.
METAL CULVERT PIPES - NORTHEASTERN CULVERT CORP. - WESTMINSTER, VT.
REINFORCED CONCRETE PIPE, PRECAST REINFORCED DROP INLETS, TWO CABLE GUARD RAIL, WOOD GUIDE &
MARKER POSTS, TREATED TIMBER CURB - S.T. GRISWOLD & CO. INC. - ESSEX JCT., VT.
CAST IRON COVER FOR FLUSHING BASIN - ETHERIDGE FOUNDRY & MACHINE CO. - PORTLAND, ME.

CONTRACTOR - RALPH B. GOODRICH, INC.
SOUTH BURLINGTON, VT.
RES. ENG. - ROBERT T. FITZGERALD.
INSPECTOR - GERALD KITTLE
RECORD PLANS - A. G. SPIDLE.

CONTRACT:
DATED - MAY 10, 1965.
STARTED - MAY 12, 1965.
COMPLETED - OCTOBER 21, 1965.
ACCEPTED - OCTOBER 21, 1965.

BENCH MARKS BASED ON U.S.G.S. ELEVATIONS



- CONVENTIONAL SIGNS
- COUNTY LINE
 - TOWN LINE
 - FENCE LINE
 - STONE WALL
 - UNFENCED PROPERTY
 - GUARD RAIL
 - TRAVELED WAY
 - RAILROAD
 - RETAINING WALL
 - CENTER LINE
 - SURVEY LINE
 - CULVERT
 - DROP INLET
 - TROLLEY POLE
 - POWER POLE
 - TELEPHONE POLE
 - TREES
 - WEDGE

ESSEX S 0224 (1) SA
CONTRACTOR - RALPH B. GOODRICH, INC.
SOUTH BURLINGTON, VT.
CONSTRUCTION COMPLETED - OCTOBER 21, 1965.
RECORD PLANS - A. G. SPIDLE.

PROJECT ESSEX
NUMBER S 0224 (1) SA.
TYPE BITUMINOUS CONCRETE PAVEMENT

CONTRACTOR RALPH B. GOODRICH, INC.
SOUTH BURLINGTON, VT.

Location Beginning at a point 1.477 miles westerly of the Essex-Jericho
Town Line and extending easterly 1.477 miles.



APPROVED: *[Signature]* DATE: Dec 17/1964
APPROVED: *[Signature]* DATE: 12/15/64
APPROVED: *[Signature]* DATE: 12/15/64
APPROVED: *[Signature]* DATE: 12/15/64
APPROVED: *[Signature]* DATE: 12/15/64
APPROVED: *[Signature]* DATE: 12/15/64
APPROVED: *[Signature]* DATE: 12/15/64
APPROVED: *[Signature]* DATE: 12/15/64

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE
REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER
OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH
THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE
CONSTRUCTION, DATED APRIL 1964, AS APPROVED BY THE BUREAU OF
PUBLIC ROADS ON OCTOBER 12, 1964, INCLUDING ALL SUBSEQUENT
APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL
PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED _____

DIVISION _____ ENGINEER _____ DATE _____

PROJECT S NO. 0224 (1) SA

SHEET 1 OF 58 SHEETS

$159 + 30$
 $156 + 60$
 $157 + 50$
 $158 + 60$

	Curve
Δ	G°23' Lt
D	2°
R	286.48
T	159.8
L	219.2
E	4.5
REMOVE CROWN	

NOTE: ALL DRIVES WILL HAVE A MINIMUM 12' WIDTH AND 15' FLARE RADIUS.

ALL EXISTING PAVEMENT WITHIN 2' OF SUBGRADE, SHALL BE
SCARIFIED AND BROKEN UP. PAYMENT TO BE INCLUDED
UNDER THE BID PRICE OF COMMON EXCAVATION ITEM 103-A-1

IN FILL AREAS WHERE THE DEPTH OF FILL TO SUBGRADE IS LESS THAN 2', ALL SOD WILL BE REMOVED. PAYMENT TO BE INCLUDED UNDER THE BID PRICE OF COMMON EXCAVATION ITEM 103-A-1

GEORGE DANA ALLING

ETHEL SIEGRIST

PLAN SCALE



0 50 100
100 FEET

CONSTRUCT
SATISFACTORY APPROACH

STA 156+00.0 ✓
BEGIN PROJECT
502240) SA

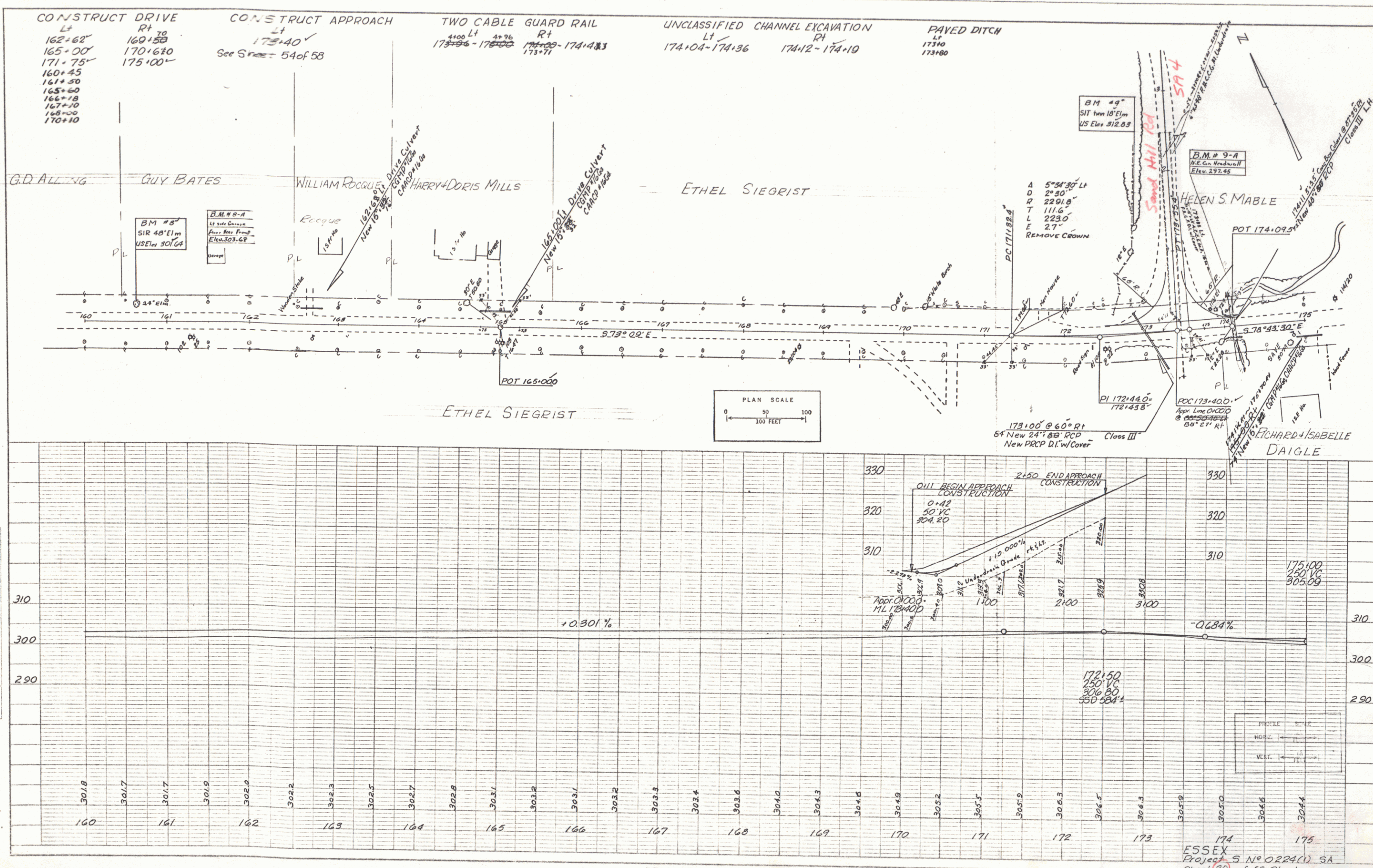
warp to match pavement

 $+ 0.301\%$

ESSEX
Project S No 0224(1) SA
Sheet 19 of 58 sheets

PLAN
 DATE 5/22/62
 DRAWN BY J. Smith
 CHECKED BY J. Smith
 NOTE: BOOK 173 OF 174 SHEETS
 NO. 1

PROFILE
 DATE 5/22/62
 DRAWN BY J. Smith
 CHECKED BY J. Smith
 NOTE: BOOK 173 OF 174 SHEETS
 NO. 1



TWO CABLE GUARD RAIL

2000 R/L
183+00-183+72.65
183+72.65-188+26.35
185+50

CONSTRUCT DRIVE

R/L
183+00 179+43
183+00 180+30 180+30
177+25
180+30
183+00
183+70

EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS

181+75-185+50

TREATED TIMBER CURB (PAVE SHOULDER FULL WIDTH) ITEM 361-B

183+00-183+72.65
183+72.65-188+26.35
185+50

DEMOLITION AND DISPOSAL OF BUILDING

#1-182+05 R/L
#2-182+34 E

BITUMINOUS CONCRETE GUTTERS Item 554

R/L
183+00
183+50
185+40

PLAN
NOTE BOOK
REVISIONS
NO.

HELEN S MABLE

HELEN S MABLE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

GEORGE & DIANA CAISE

175+00
250' VC
305+00

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

308.9

310.4

311.7

312.7

313.8

315.1

315.9

316.4

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

320

310

300

304.4

304.6

305.1

306.1

307.6

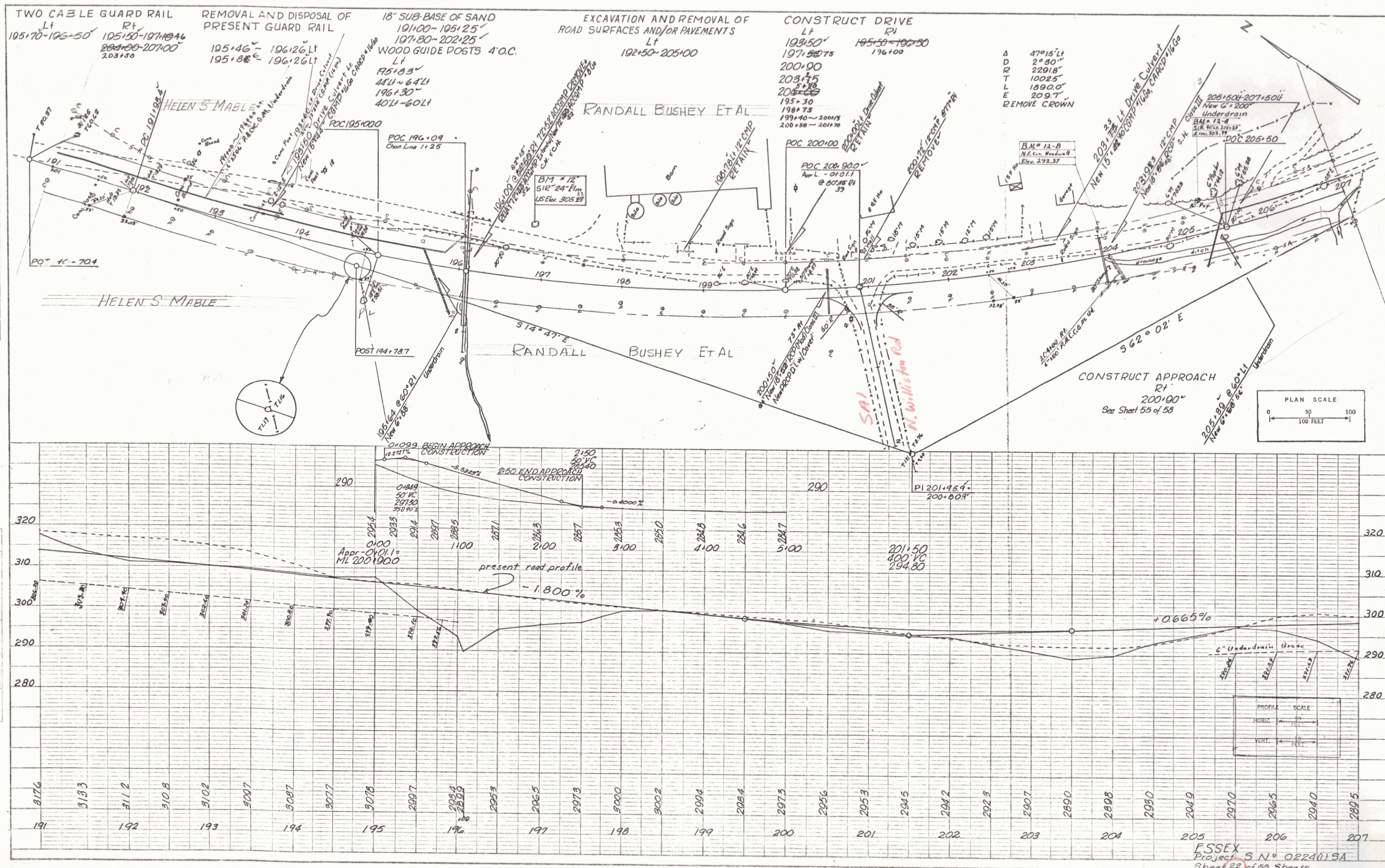
308.9

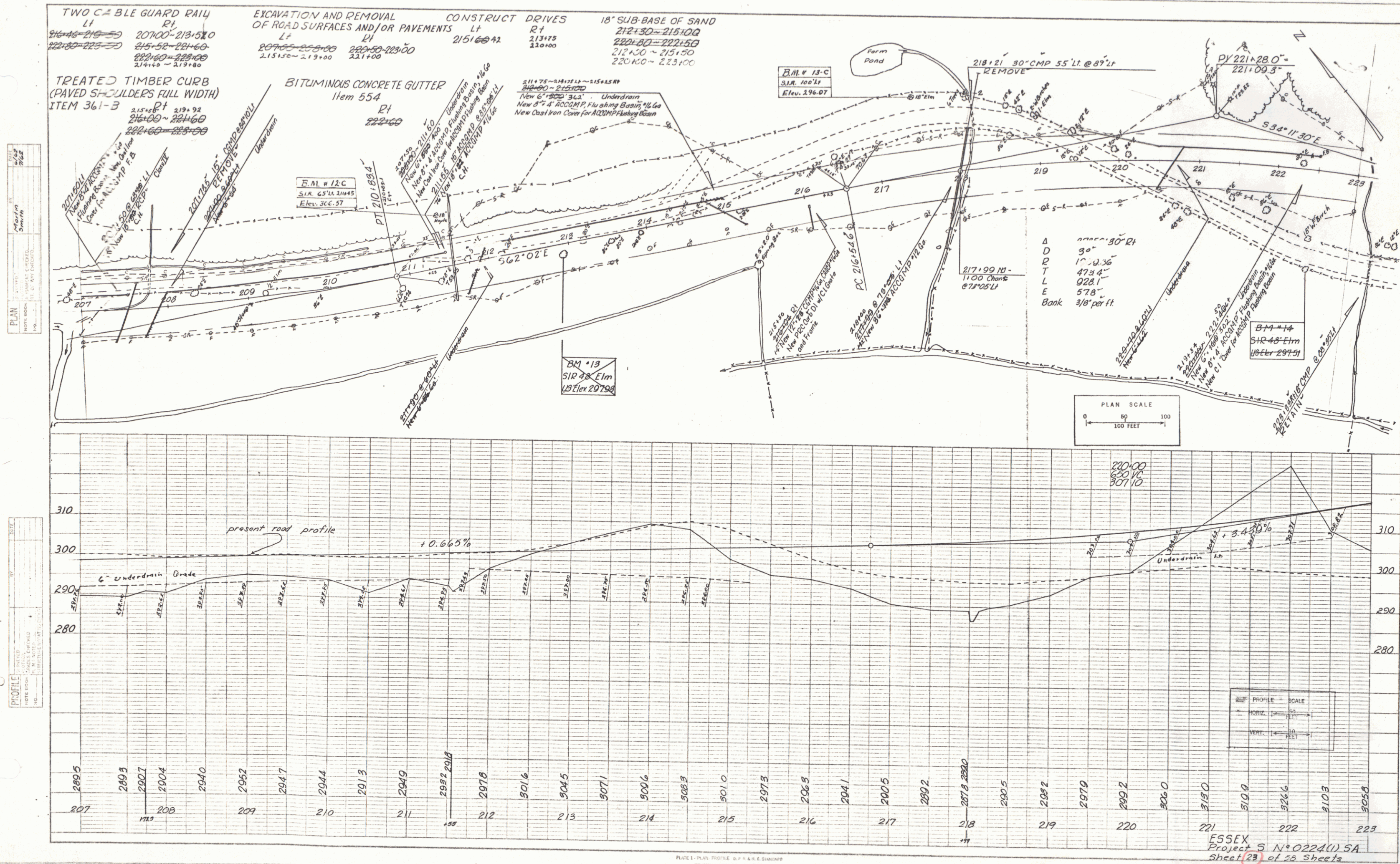
310.4

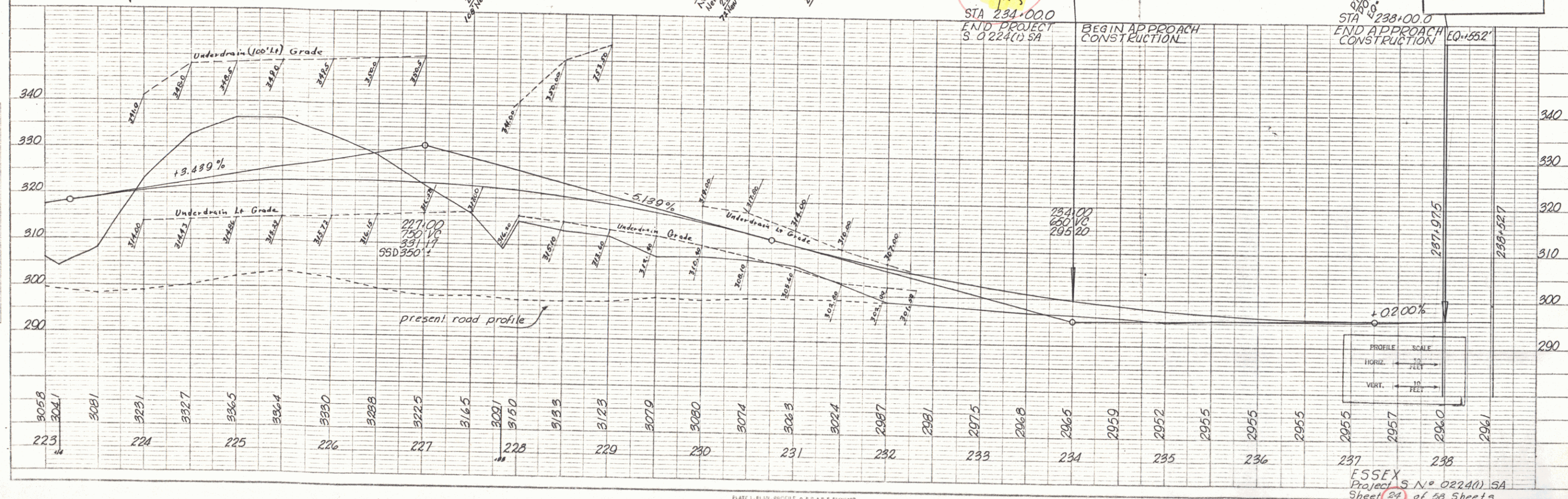
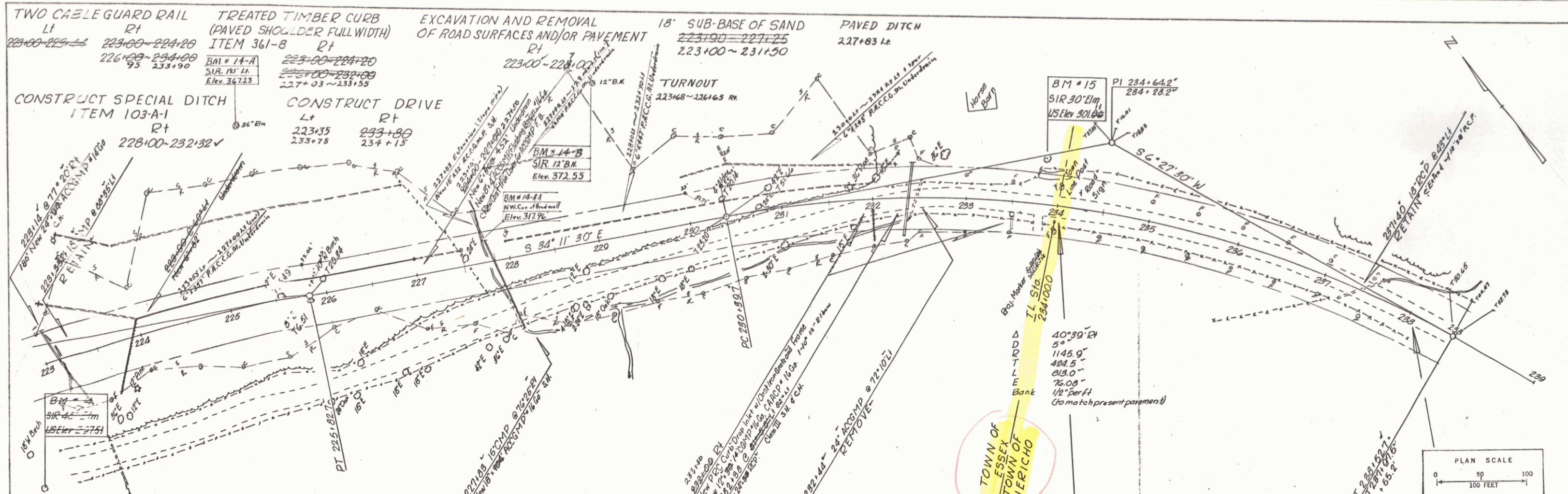
311.7

PLAN
 DATE: 1/12
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 NO. OF SHEETS: 58
 SHEET NO.: 22

PROFILE
 DATE: 1/12
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 NO. OF SHEETS: 58
 SHEET NO.: 22







TOWN OF ESSEX.
COUNTY OF CHITTENDEN.
VT. ROUTE # 117
ESSEX - RICHMOND ROAD.

BEGINNING AT THE EASTERLY VILLAGE LIMITS OF ESSEX VILLAGE
AND EXTENDING EASTERLY 3.169 MILES TO THE ESSEX - JERICHO
TOWN LINE
LENGTH OF PROJECT 16730.6 FEET - 3.169 MILES.



ESSEX
SCALE 0 0.5 1 MILE

LEGEND
PROJECT 80 33 (2) (1946)
PROJECT 80 33 (1) (1953)
SURVEY BY LAVALLES 1956

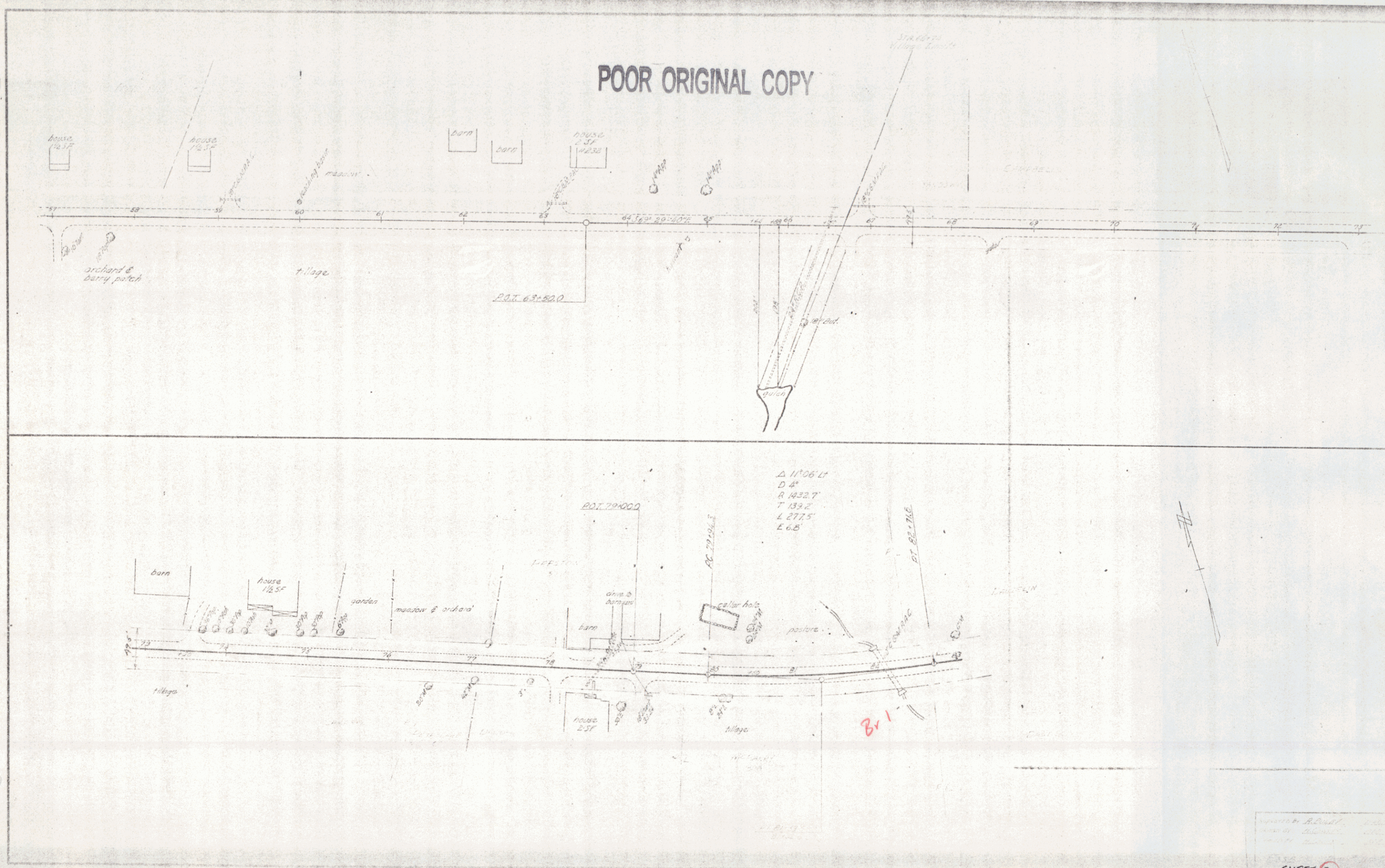
MP 1.22 4.431
RIGHT-OF-WAY DIVISION
TOWN FILE

PERPETUAL
Town of VT 117
(To Be Returned To R.O.W. Division)

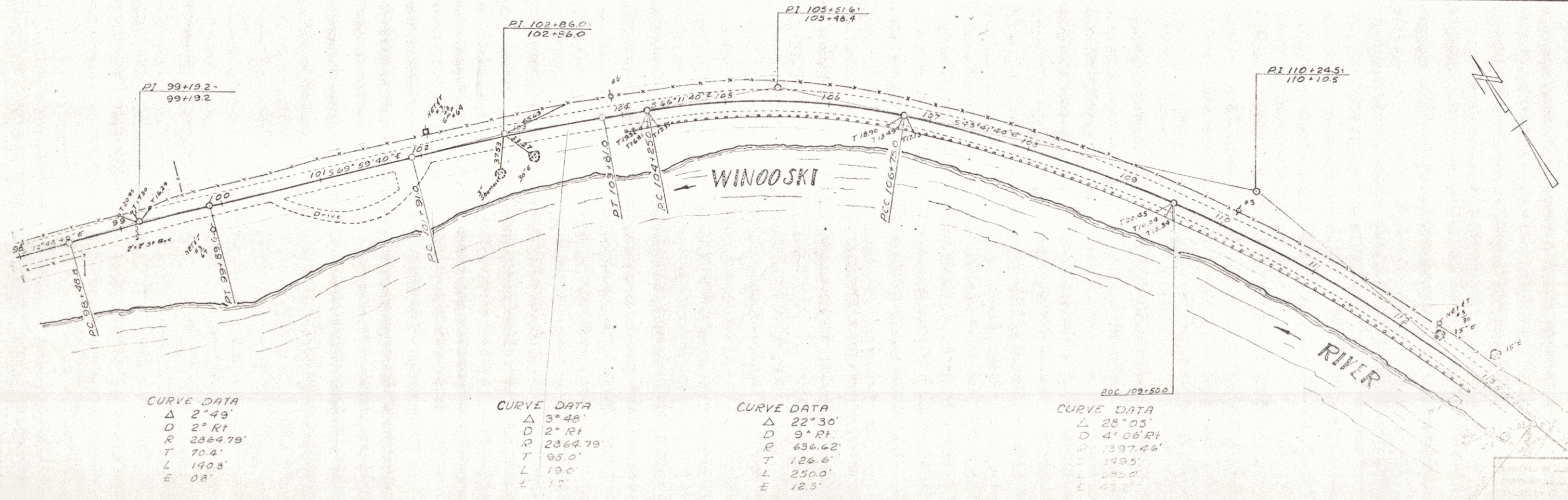
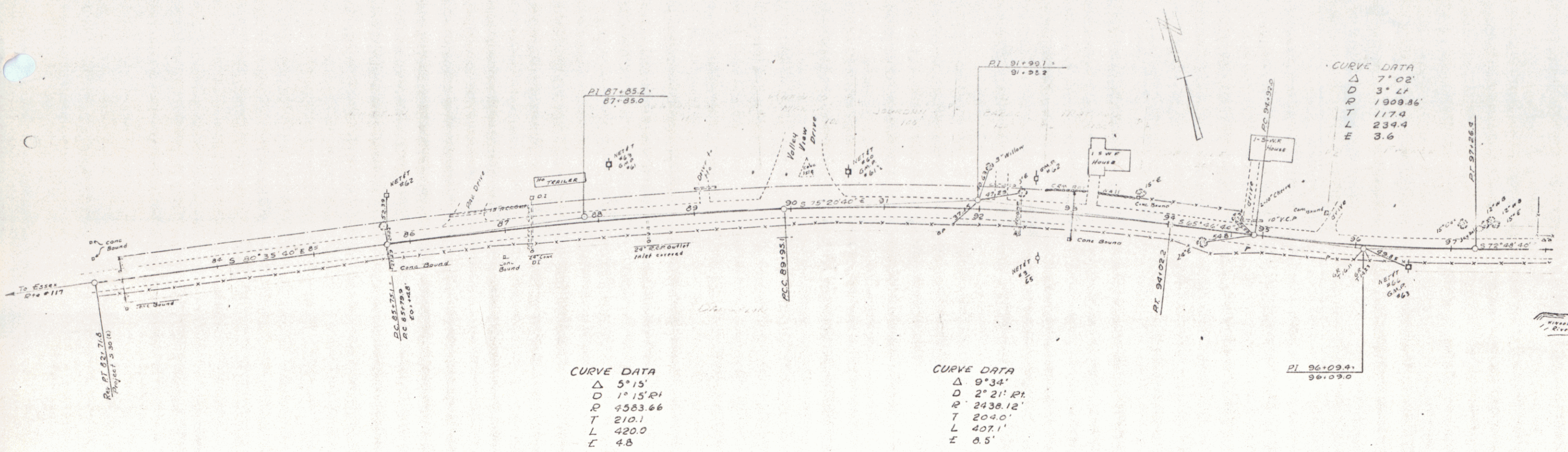
SURVEYED BY - (UNRECORDED)
DRAWN BY - (UNRECORDED)
CHECKED BY - (UNRECORDED)

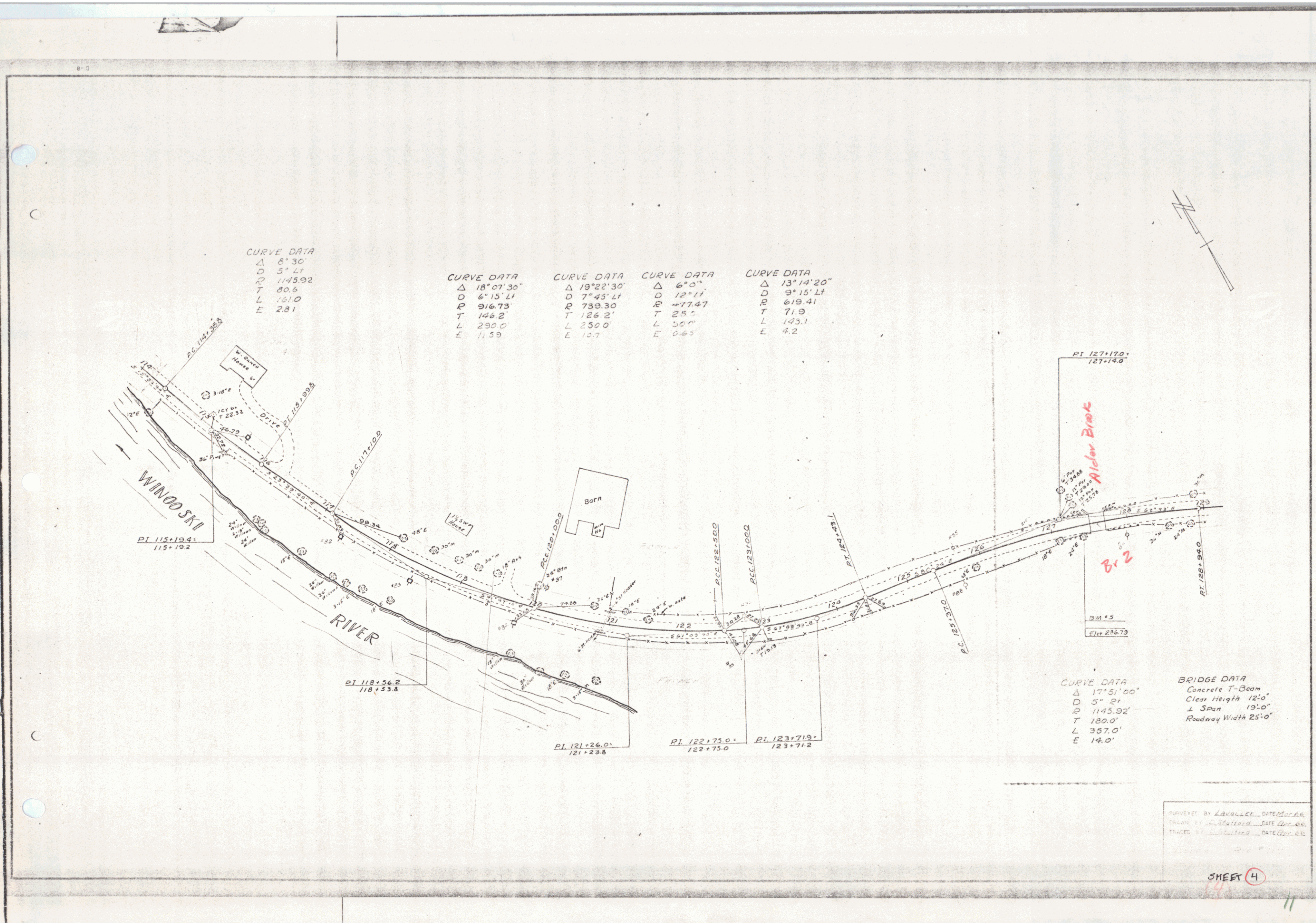
SHEET 1

POOR ORIGINAL COPY

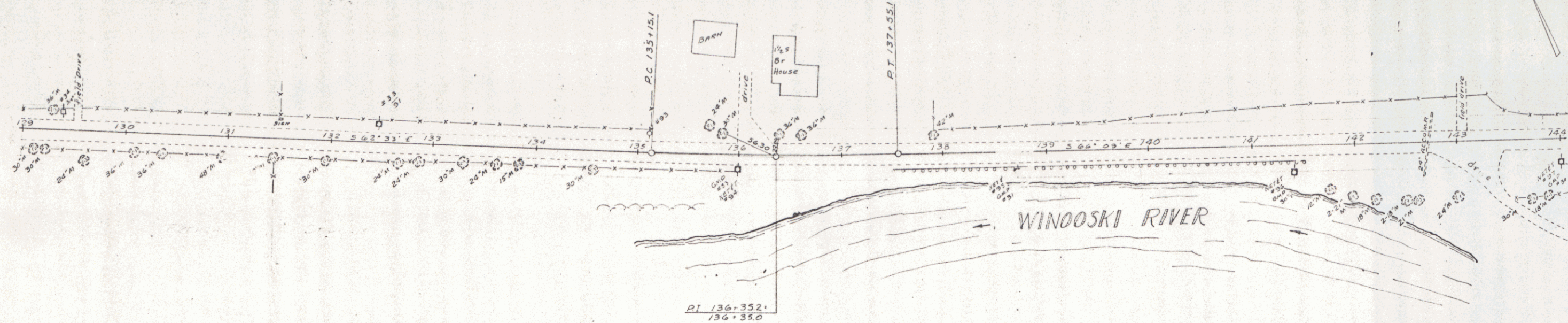


SHEET 2



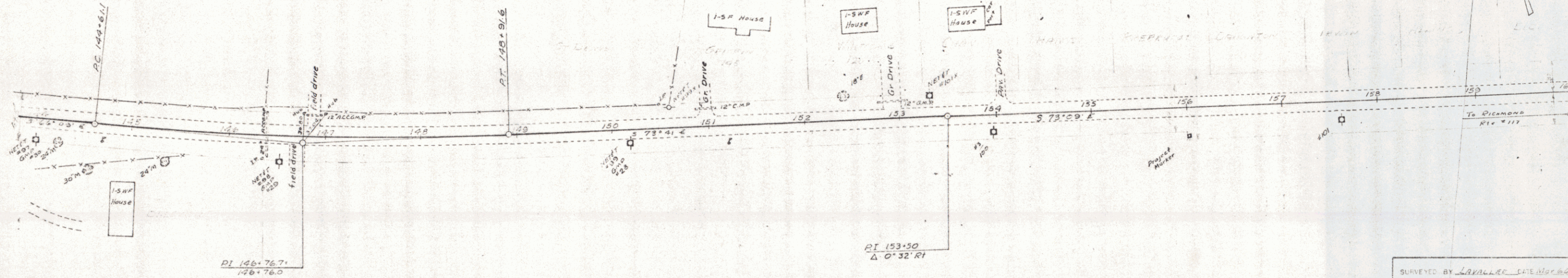


CURVE DATA
 Δ 3°36'00"
 D 1°30' LF
 R 3819.72'
 T 120.1'
 L 240.0'
 E 18'



CURVE DATA
 Δ 7°32'00"
 D 1°45' LF
 R 3279.04'
 T 215.6'
 L 430.5'
 E 7.0'

CURVE DATA
 Δ 0°32'00" R
 No Curve Run

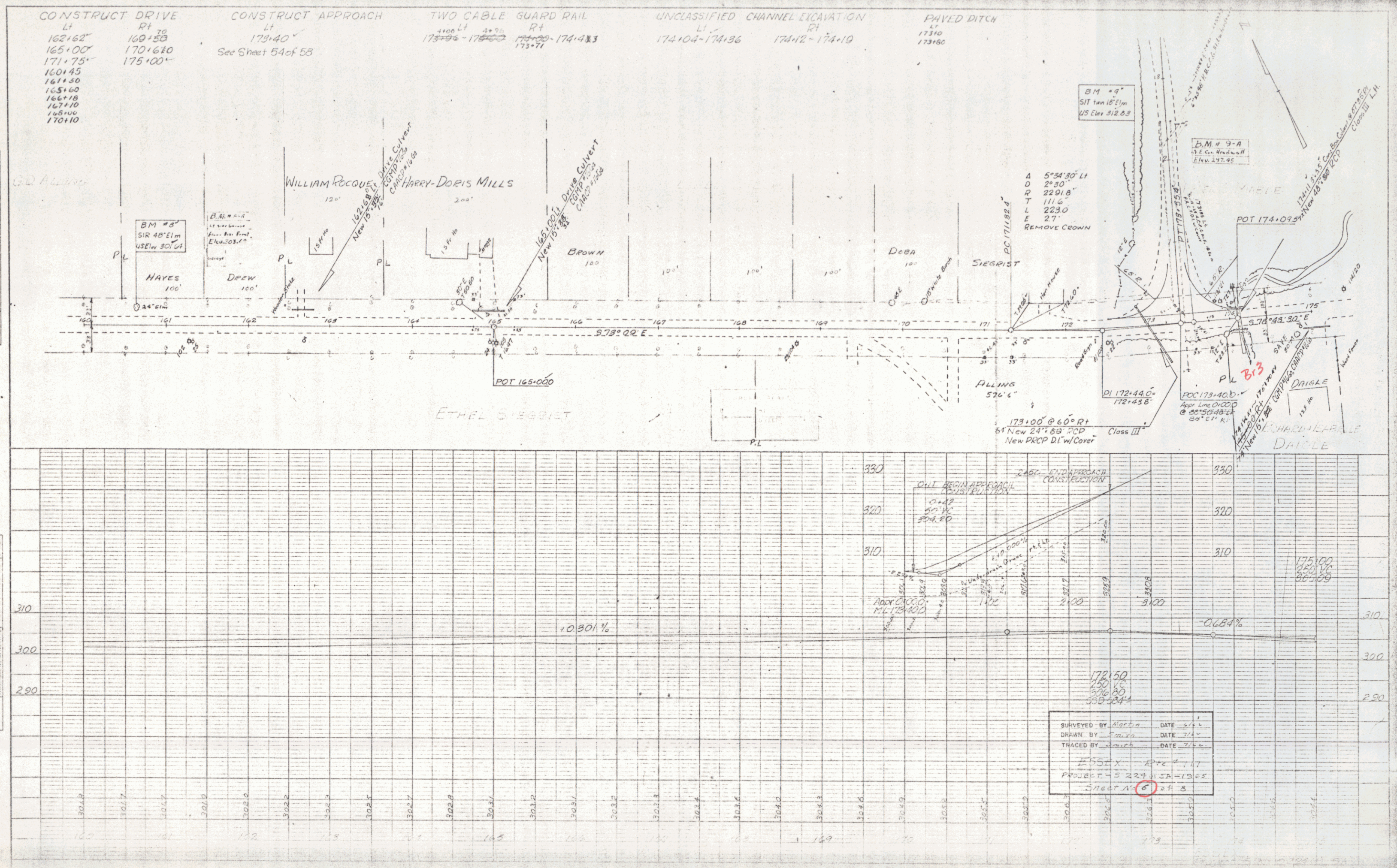


SURVEYED BY LARSEN DATE 10/26/66
 DRAWN BY J. Spafford DATE 10/26/66
 TRACED BY J. Spafford DATE 10/26/66
 F-5028 Rte #117

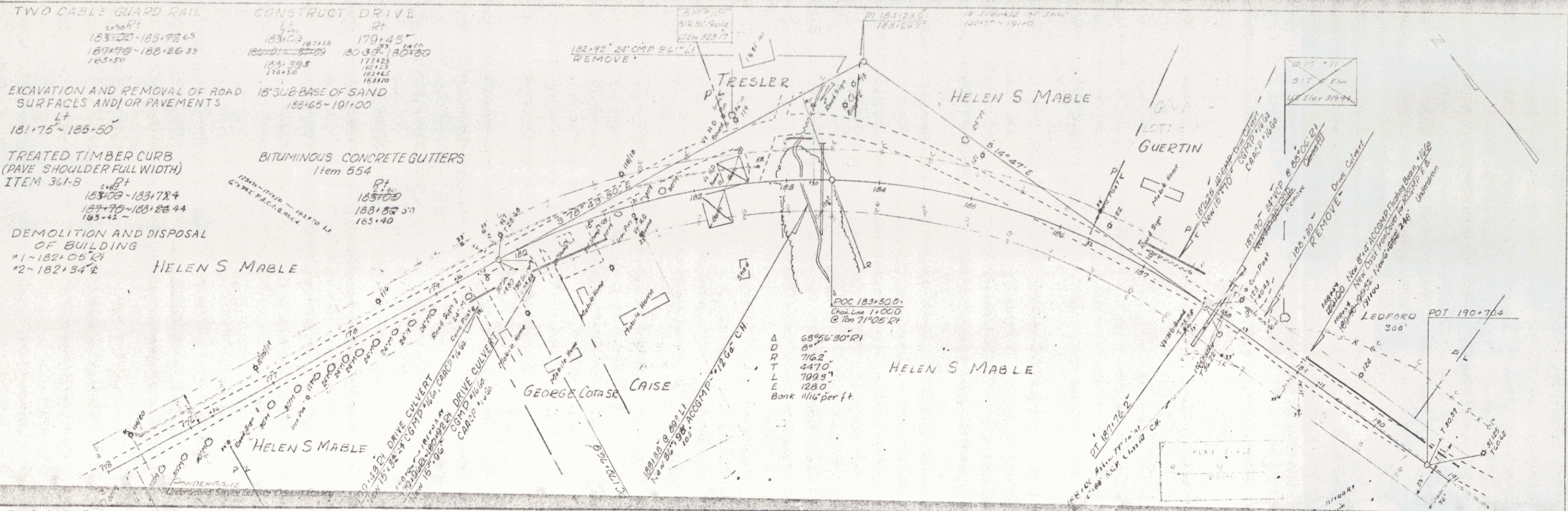
SHEET 5

PLAN
 SURVEYED BY: [Signature]
 DATE: 7/1/65
 DRAWN BY: [Signature]
 DATE: 7/1/65
 TRACED BY: [Signature]
 DATE: 7/1/65
 PROJECT: S 227 HIA-1965
 SHEET: 6 of 8

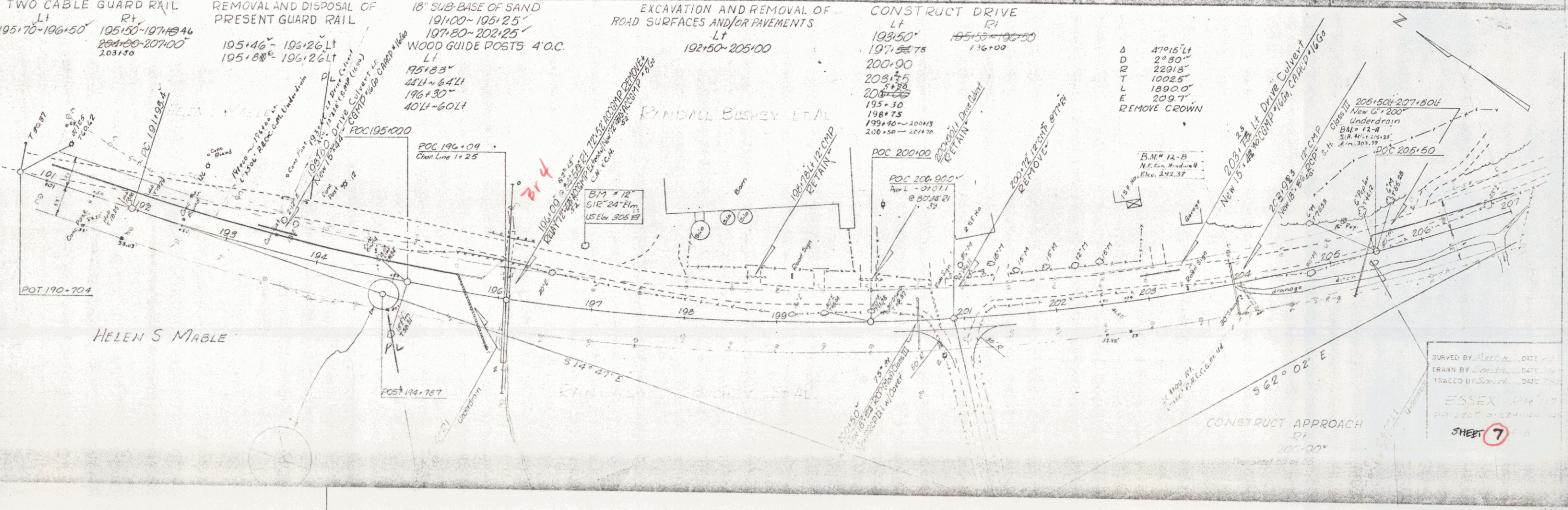
PROF.
 SURVEYED BY: [Signature]
 DATE: 7/1/65
 DRAWN BY: [Signature]
 DATE: 7/1/65
 TRACED BY: [Signature]
 DATE: 7/1/65
 PROJECT: S 227 HIA-1965
 SHEET: 6 of 8



PLAN
 SHEET
 2/12
 DATE
 10/1/50
 DRAWN BY
 J. M. GILBERT
 CHECKED BY
 J. M. GILBERT
 SET OF MAP CHECKED
 NO.



PLAN
 SHEET
 2/12
 DATE
 10/1/50
 DRAWN BY
 J. M. GILBERT
 CHECKED BY
 J. M. GILBERT
 SET OF MAP CHECKED
 NO.



SURVED BY J. M. GILBERT DATE 10/1/50
 DRAWN BY J. M. GILBERT DATE 10/1/50
 TRACED BY J. M. GILBERT DATE 10/1/50
 ESSEX COUNTY
 PROJECT 3133-1-1-1
 SHEET 7

