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**STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS**

PROPOSED IMPROVEMENT

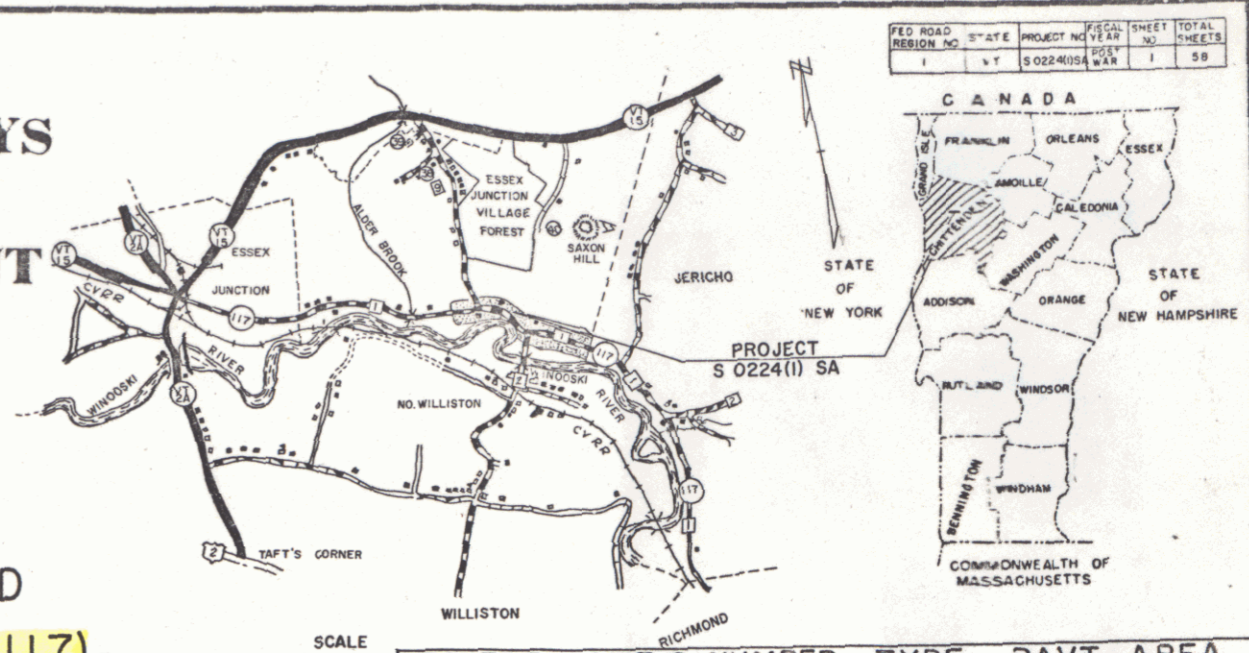
FEDERAL AID SECONDARY PROJECT

TOWN OF ESSEX

COUNTY OF CHITTENDEN

RICHMOND-ESSEX JUNCTION ROAD

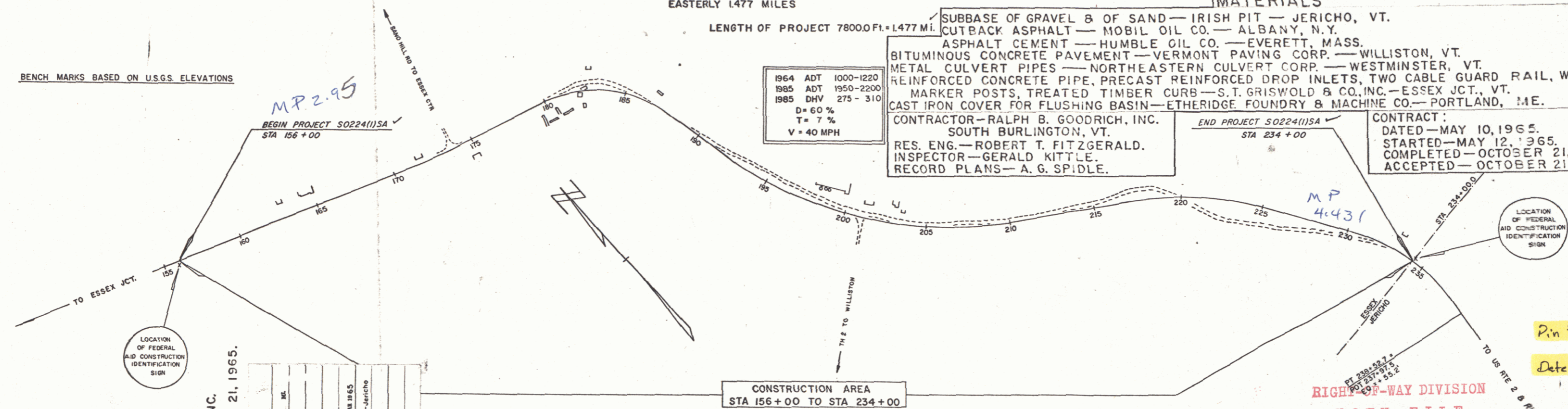
STATE AID HIGHWAY #1 (VT. RTE. #117)



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

LENGTH OF PROJECT 7800 FT. = 1.477 MI.

- RECORD PLANS MATERIALS**
- SUBBASE OF GRAVEL 8 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.



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	-----
HEDGE	-----

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) S.A.
 TYPE BITUMINOUS CONCRETE PAVEMENT
 CONTRACTOR RALPH B. GOODRICH, INC.
 SOUTH BURLINGTON, VT.
 YEAR 1965
 Location Beginning at a point 1.477 miles westerly of the Essex-Jericho Town Line and extending easterly 1.477 miles.



APPROVED: <i>A.G. Spidle</i> DIST. ENGR. DATE Dec 17, 1964	APPROVED: <i>R. Spidle</i> SECONDARY ENGINEER DATE 12/15/64	APPROVED: <i>E.W. Hitchcock</i> CONSTRUCTION ENGINEER DATE 12/15/64	APPROVED: <i>AmByron</i> BRIDGE ENGINEER DATE 12/16/64	APPROVED: <i>A. Thairion</i> DISTRICT ENGINEER DATE 12/16/64	APPROVED: <i>J.M. Lane</i> HIGHWAY ENGINEER DATE 12/16/64	APPROVED: <i>A.D. Bishop</i> CHIEF ENGINEER DATE Dec 17, 1964
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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.

RIGHT-OF-WAY DIVISION
 TOWN FILE
 PERPETUAL
 Power of: *U#117*
 (To Be Returned To R.O.W. Division)

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED _____

DIVISION ENGINEER DATE _____

PROJECT S NO. 0224(1) SA
 SHEET 1 OF 58 SHEETS

Pin # 00R525
 Date 7/1/1962

CONSTRUCT DRIVE

LT
159+50
156+60
157+50
158+60

Curve
C=29' Lt
20
2304.5
153.5
819.2
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

PLAN
DATE: 5/15/58
BY: S.M.H.
CHECKED: S.M.H.
APPROVED: S.M.H.

PROFILE
DATE: 5/15/58
BY: S.M.H.
CHECKED: S.M.H.
APPROVED: S.M.H.

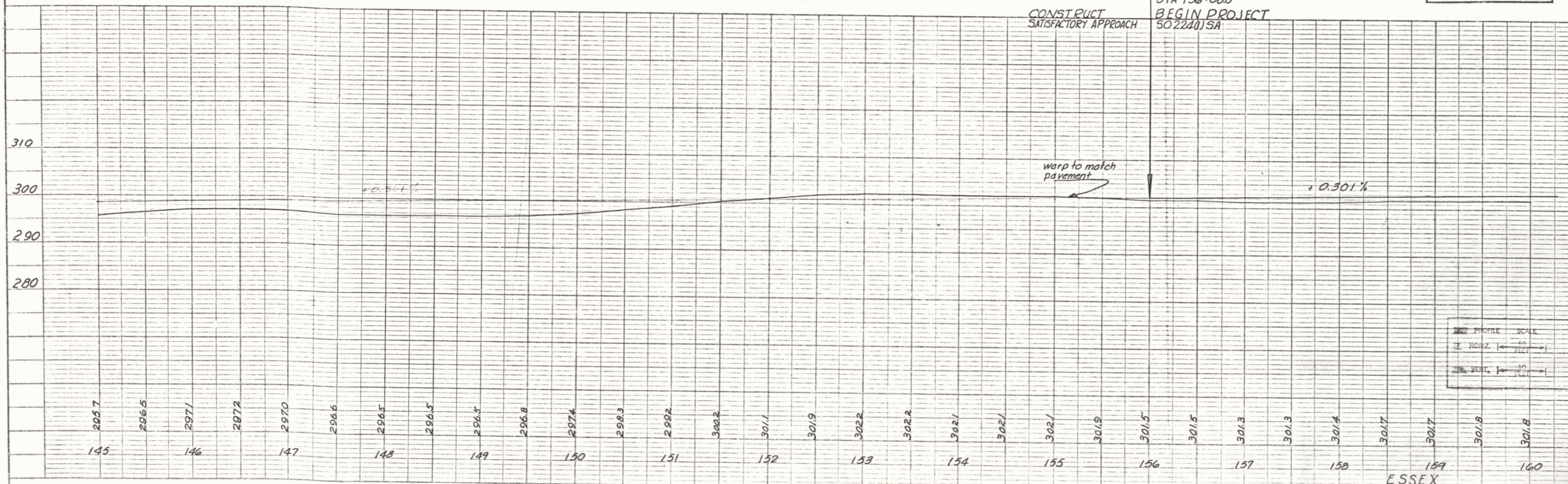
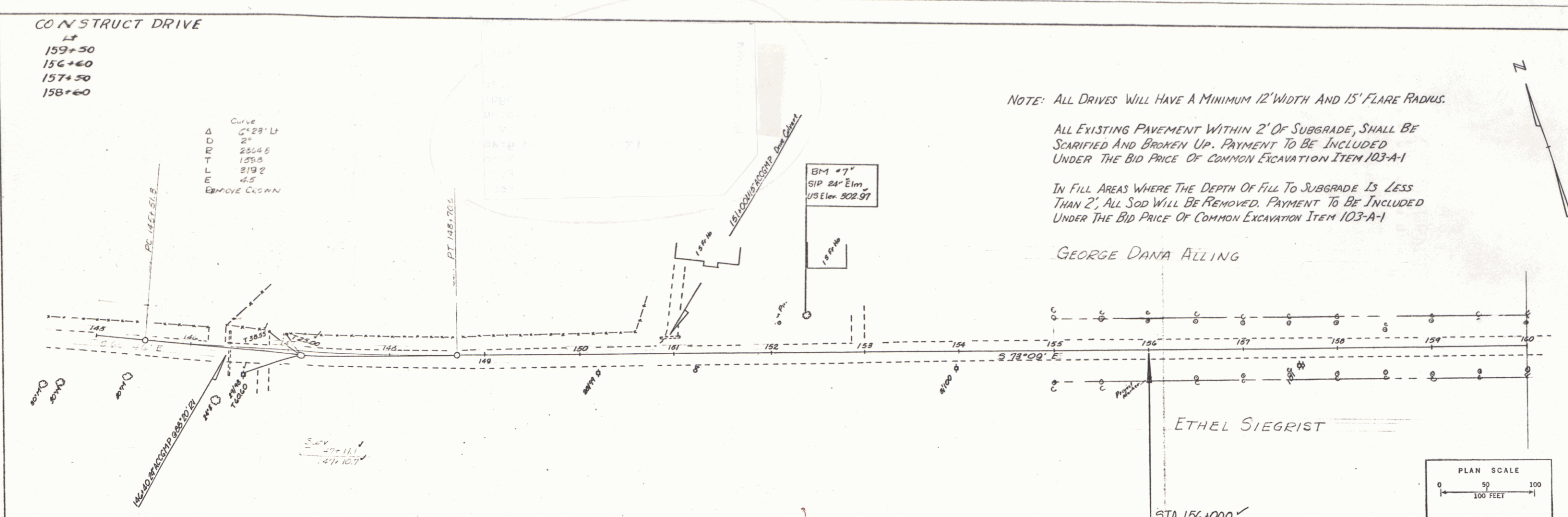


PLATE 3 - PLAN, PROFILE, G.P.R. & E. STANDARD
MULTIPLY & STANDARD, NEW YORK
E. E. P. NO. 24510

ESSEX
Project 5 N° 0224(1) SA
Sheet 19 of 58 Sheets

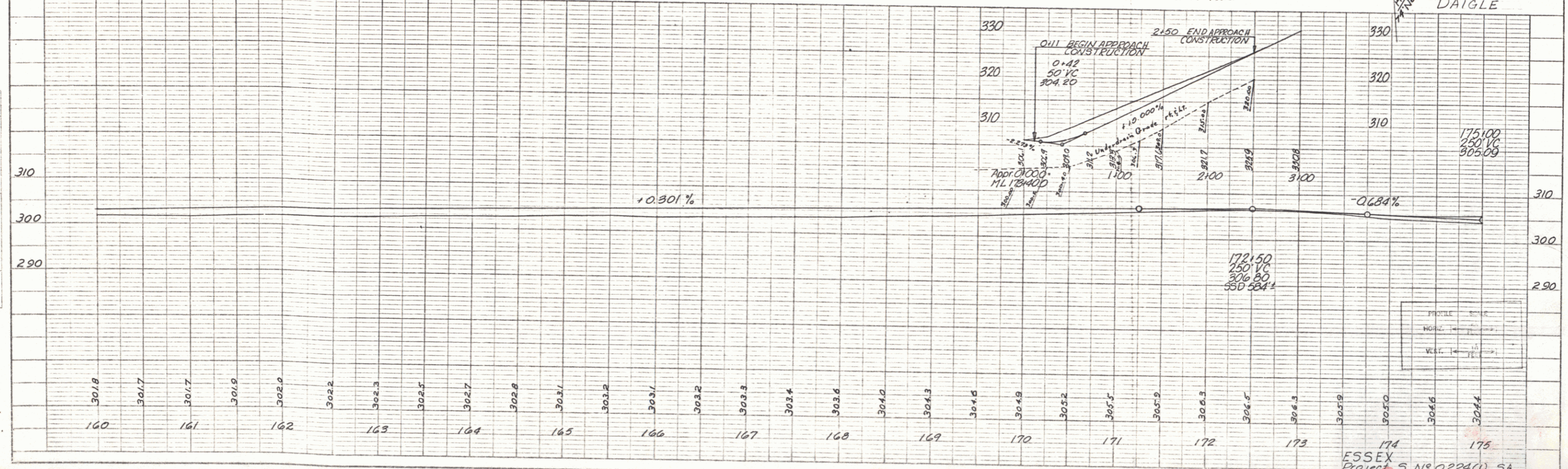
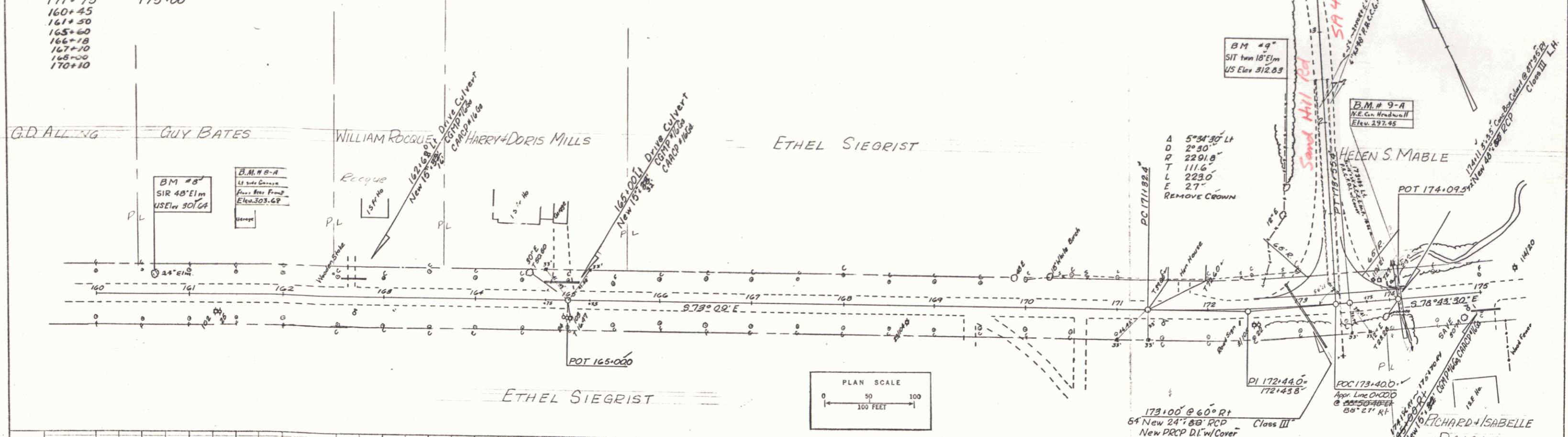
CONSTRUCT DRIVE
 Lt Rt
 162+62 160+50
 165+00 170+60
 171+75 175+00
 160+45
 161+50
 165+60
 166+18
 167+10
 168+00
 170+10

CONSTRUCT APPROACH
 Lt Rt
 175+40
 See Sheet 54 of 58

TWO CABLE GUARD RAIL
 Lt Rt
 173+96 - 175+00
 174+00 - 174+43
 175+71

UNCLASSIFIED CHANNEL EXCAVATION
 Lt Rt
 174+04 - 174+36
 174+12 - 174+19

PAVED DITCH
 Lt Rt
 173+00
 173+60



PLAN
 DATE: 10/22/14
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 IN CHARGE: [Signature]
 NO. 1

PROFILE
 DATE: 10/22/14
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 IN CHARGE: [Signature]
 NO. 1

FIGURE 1: PLAN PROFILE (L.R.R. & S.D. STANDARD)
 METRIC: 1:50000 (1" = 1250')
 NEW YORK

ESSEX
 Project 5 N° 0224(1) SA
 Sheet 20 of 58 Sheets

TWO CABLE GUARD RAIL
 2000 FT
 183+00-183+72.43
 187+79-188+26.35
 185+50

CONSTRUCT DRIVE
 RT
 153+00 187+25 179+43
 180+00 180+30 180+30
 177+25 177+25
 172+50 183+70
 183+70

EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS
 181+75-185+50

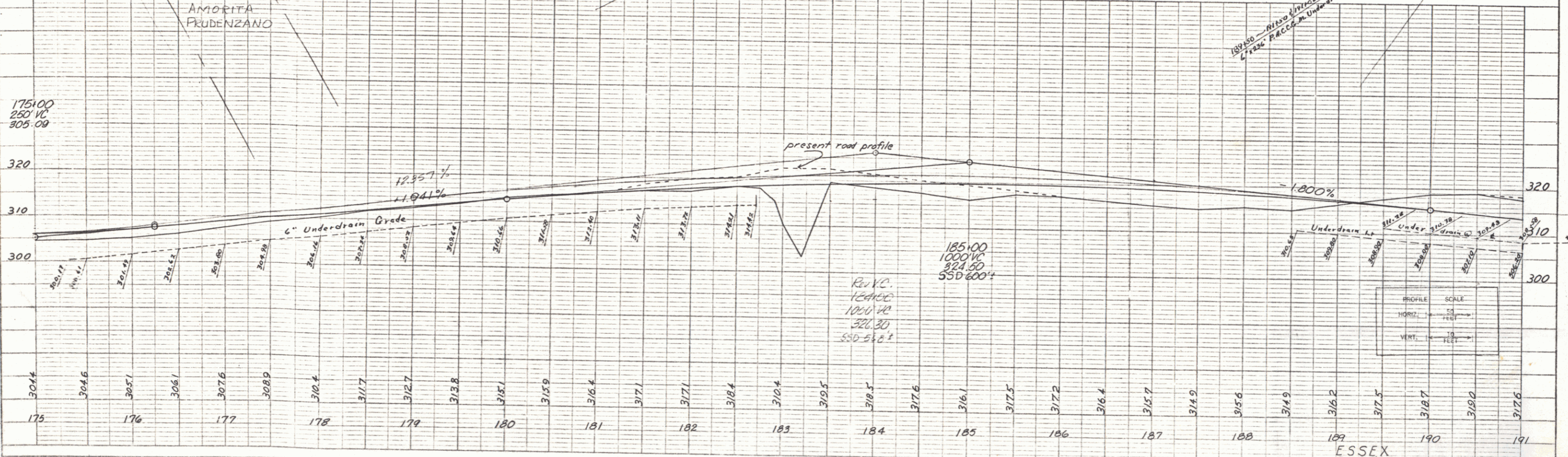
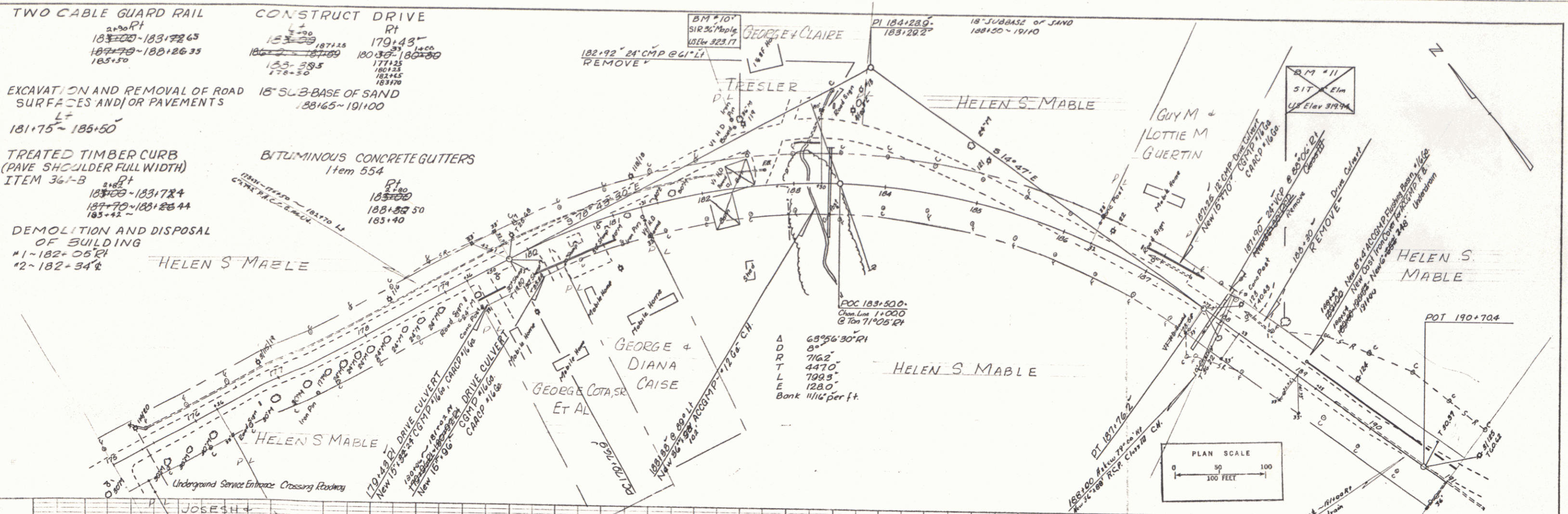
18" SUB-BASE OF SAND
 188+65-191+00

TREATED TIMBER CURB (PAVE SHOULDER FULL WIDTH)
 ITEM 361-B
 183+00-183+72.4
 187+79-188+26.44
 185+42

BITUMINOUS CONCRETE GUTTERS
 Item 554
 183+00
 183+50
 183+40

DEMOLITION AND DISPOSAL OF BUILDING
 #1-182+05 RT
 #2-182+34 L

PLAN
 DATE: 11/15/00
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 IN CHARGE: [Name]



PROFILE
 DATE: 11/15/00
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 IN CHARGE: [Name]

PLATE 1 PLAN PROFILE OF P & R E BRIDGE
 HUNTSVILLE, ALA
 K. L. CO. INC.

ESSEX
 Project No. 0224(1) SA
 Sheet (2) of 25 Sheets

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

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

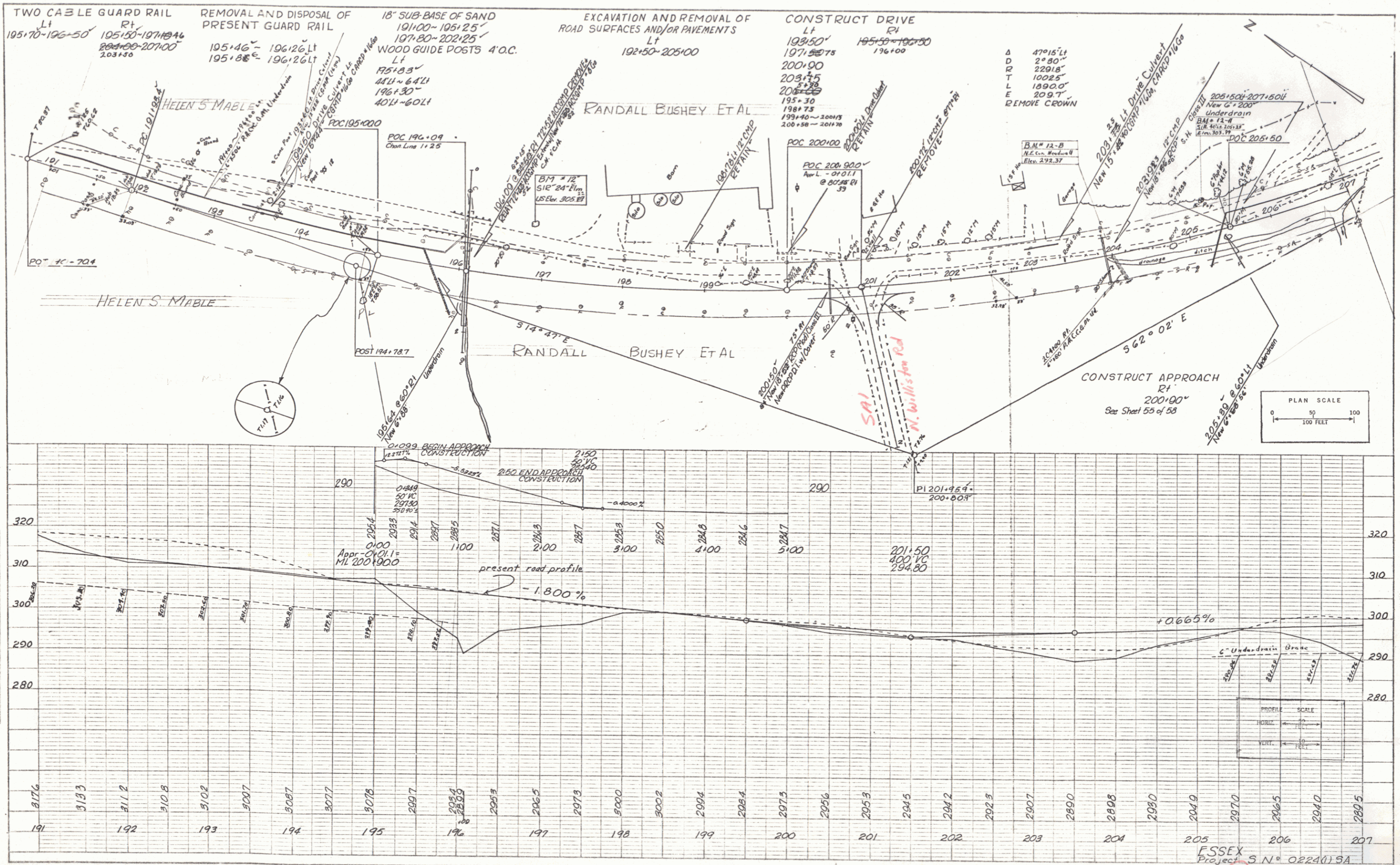


PLATE 3 - PLAN, PROFILE, & E. & S. STANDARD
 MADE BY: A. E. EDGER CO., NEW YORK
 1/12/12

FSSEX
 Project S.N. 0224(1)SA
 Sheet 22 of 58 Sheets

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.



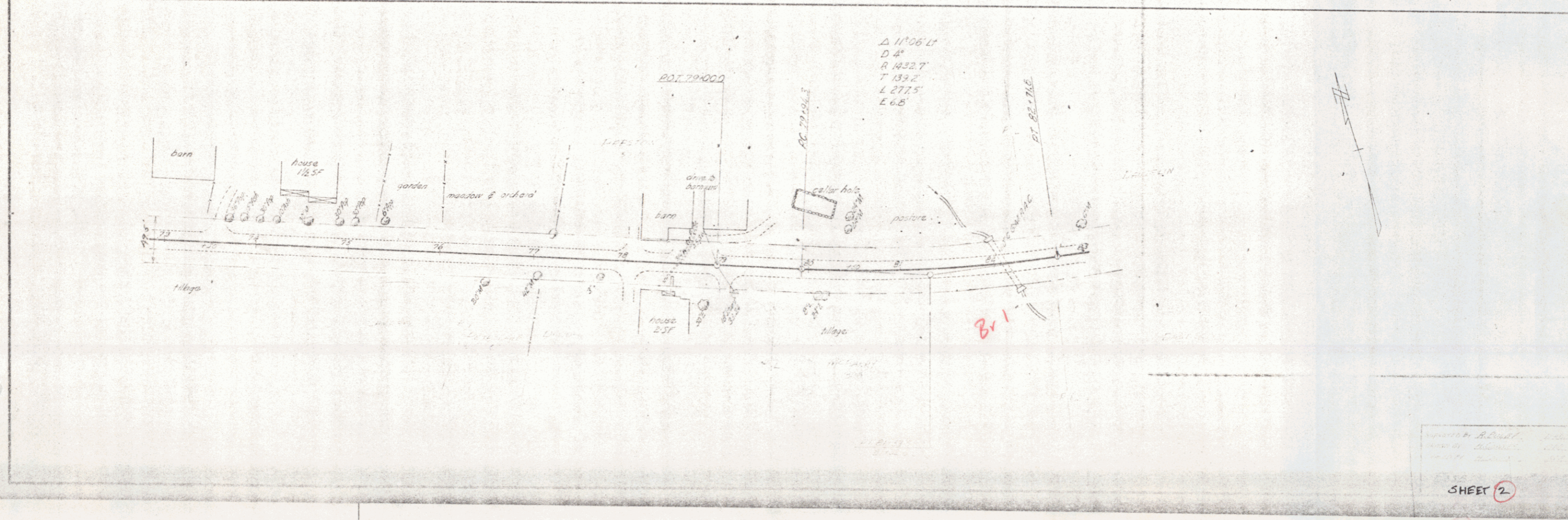
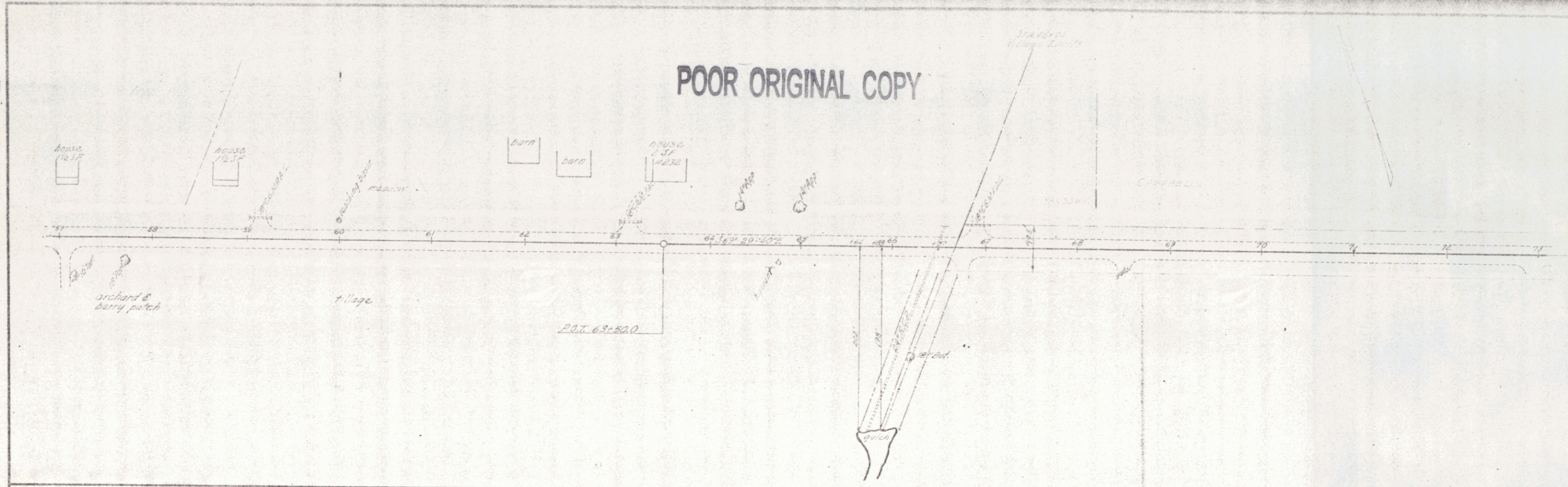
ESSEX
 SCALE 1" = 1 MILE

LEGEND
 PROJECT 80 20 (2) (1944)
 PROJECT 80 20 (1) SA (1951)
 SURVEY BY LAVALLES 1976

MPI-22 4.431
 RIGHT-OF-WAY DIVISION
 TOWN FILE
 PERPETUAL
 Town of Vt 117
 (To Be Returned To R.O.W. Division)

SURVEYED BY...
 DRAWN BY...
 CHECKED BY...
 SHEET 1

POOR ORIGINAL COPY



$\Delta 11^{\circ}06'47''$
D 4'
R 1432.7'
T 139.2'
L 277.5'
E 6.8'

SHEET 2

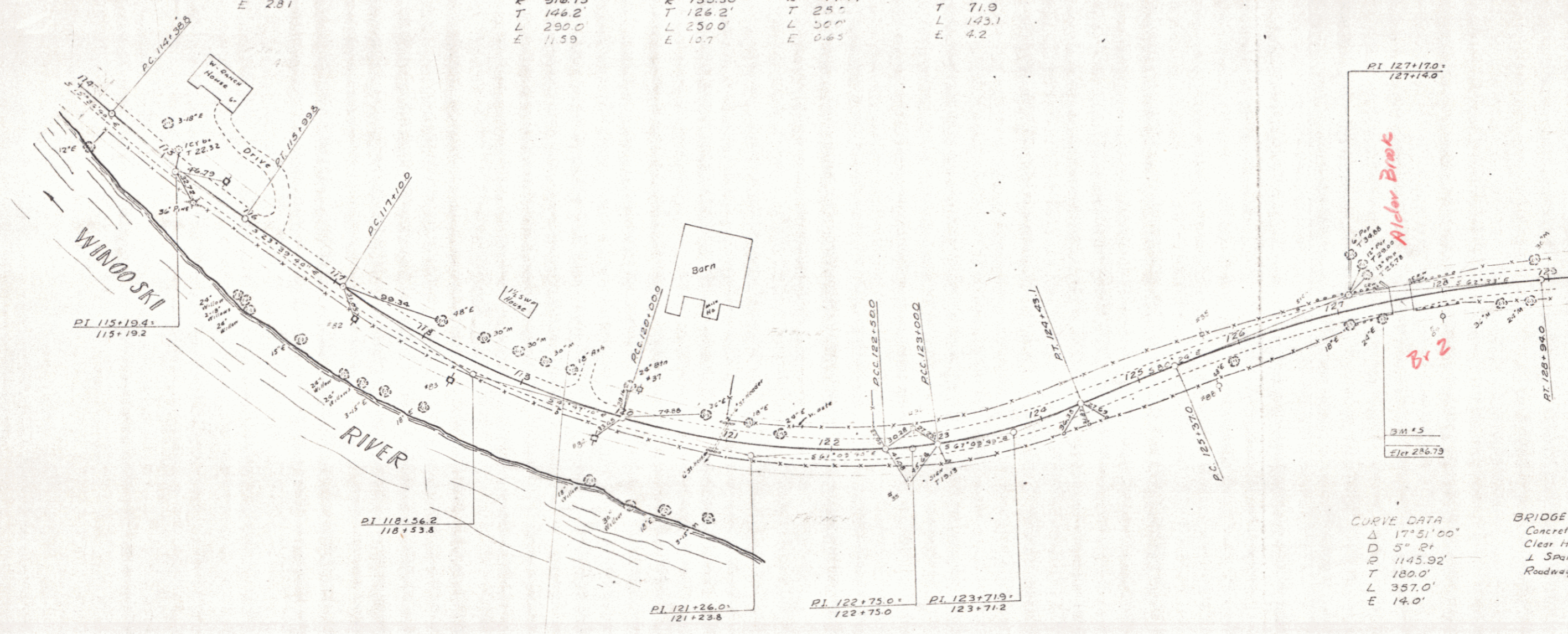
CURVE DATA
 Δ 8° 30'
 D 5° LT
 R 1145.92
 T 80.6
 L 161.0
 E 2.81

CURVE DATA
 Δ 18° 07' 30"
 D 6° 15' LT
 R 916.73
 T 146.2
 L 290.0
 E 11.59

CURVE DATA
 Δ 19° 22' 30"
 D 7° 45' LT
 R 739.30
 T 126.2
 L 250.0
 E 10.7

CURVE DATA
 Δ 6° 0"
 D 12° 11'
 R 17.47
 T 25.7
 L 50.0
 E 0.65

CURVE DATA
 Δ 13° 14' 20"
 D 9° 15' LT
 R 619.41
 T 71.9
 L 143.1
 E 4.2



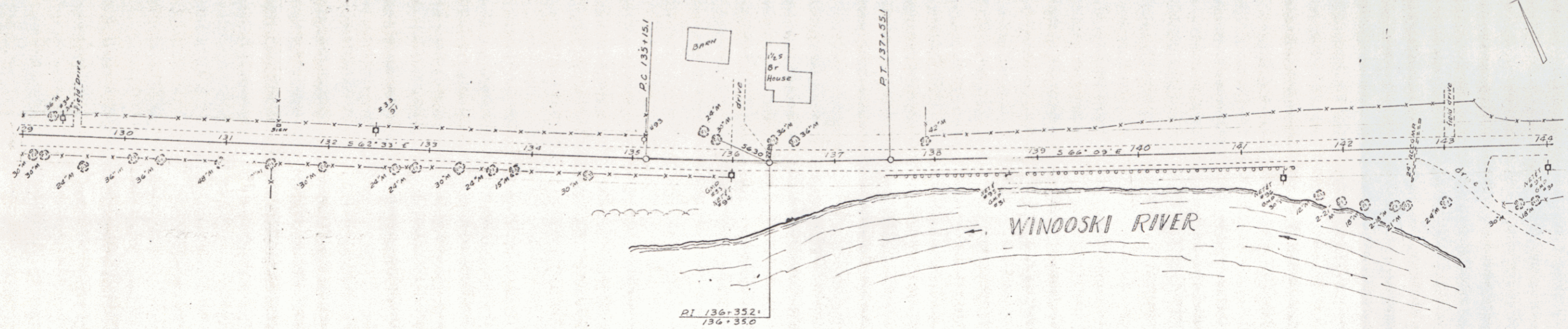
CURVE DATA
 Δ 17° 51' 00"
 D 5° 21'
 R 1145.92
 T 180.0
 L 357.0
 E 14.0

BRIDGE DATA
 Concrete T-Beam
 Clear Height 12'0"
 L Span 19'0"
 Roadway Width 25'0"

SURVEYED BY L. G. LEE, DATE MAR 66
 DRAWN BY J. G. LEE, DATE APR 66
 CHECKED BY J. G. LEE, DATE APR 66

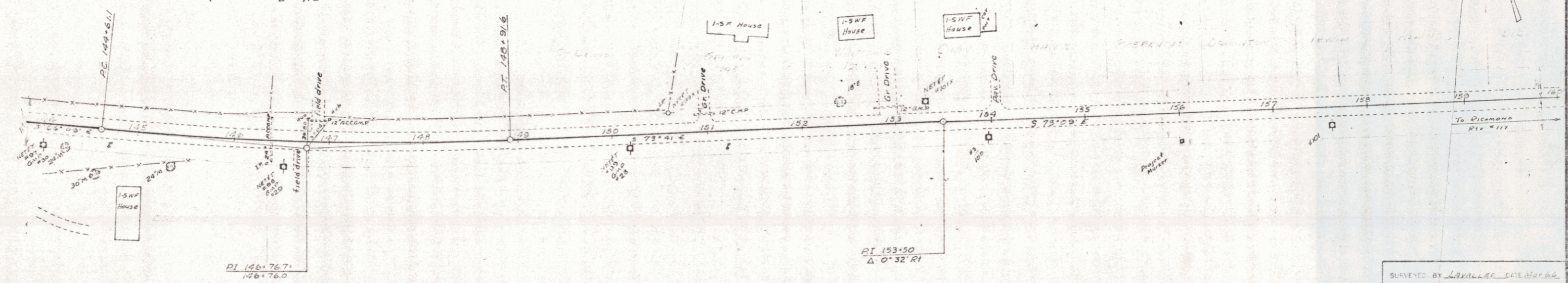
SHEET 4

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



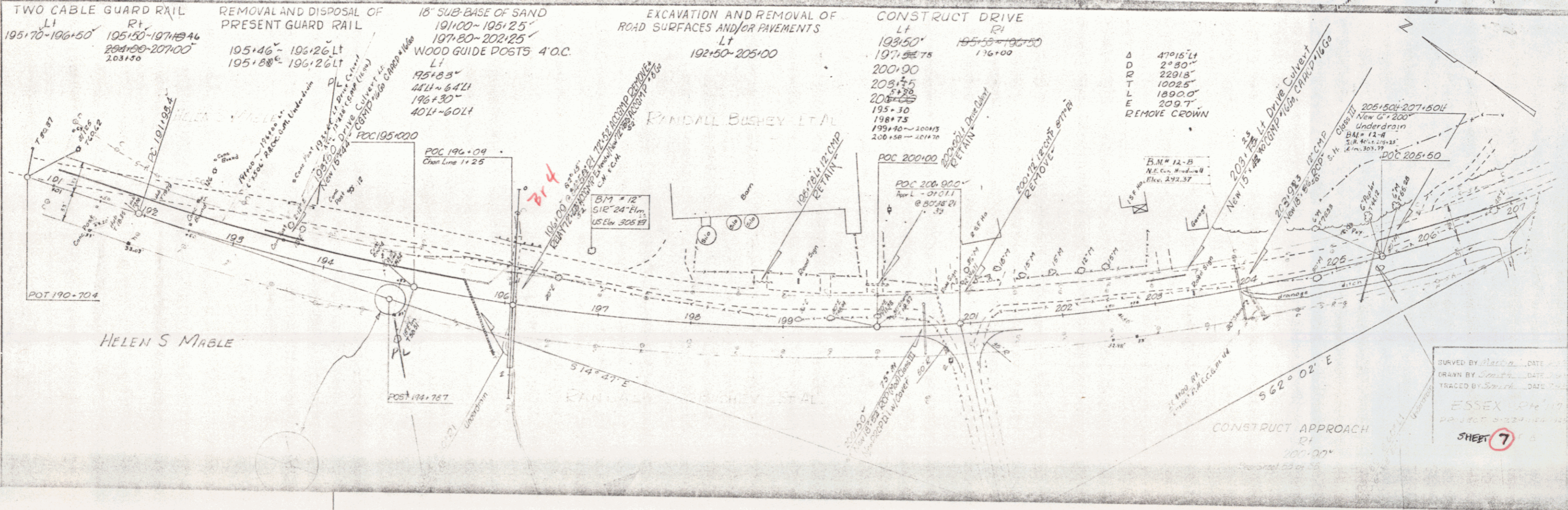
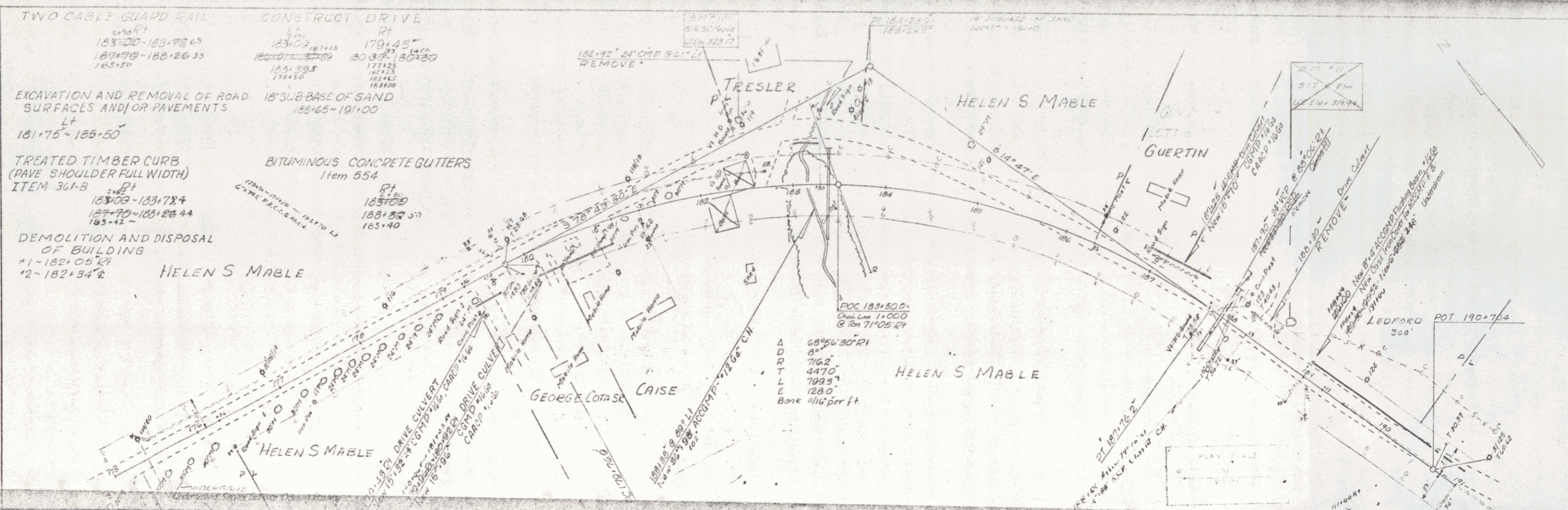
CURVE DATA
 Δ 7° 32' 00"
 D 1° 45' LF
 R 3279.04'
 T 215.6'
 L 430.5'
 E 7.0'

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



SURVEYED BY L. VALLEE DATE 10/26/66
 DRAWN BY J. S. PATTON DATE 11/1/66
 TRACED BY J. S. PATTON DATE 10/26/66
 FROM Rte # 117

SHEETS



PLAN
 DATE 2/62
 DRAWN BY
 CHECKED BY
 SET OF THIS SHEET

PLAN
 DATE 2/62
 DRAWN BY
 CHECKED BY
 SET OF THIS SHEET

DESIGNED BY
 DRAWN BY
 CHECKED BY
 DATE
 ESSEX COUNTY
 PROJECT
 SHEET 7

TWO CABLE GUARD RAIL
 LT RT
 207+00-209+50 207+00-213+50
 212+50-215+50 215+50-221+50
 222+00-223+00 221+50-223+00

EXCAVATION AND REMOVAL
 OF ROAD SURFACES AND/OR PAVEMENTS
 LT RT
 207+00-213+00 207+50-223+00
 213+00-219+00 221+00

CONSTRUCT DRIVE
 LT RT
 215+00-215+40 213+00

18" SUB-BASE OF SAND
 212+50-215+00
 222+50-222+50

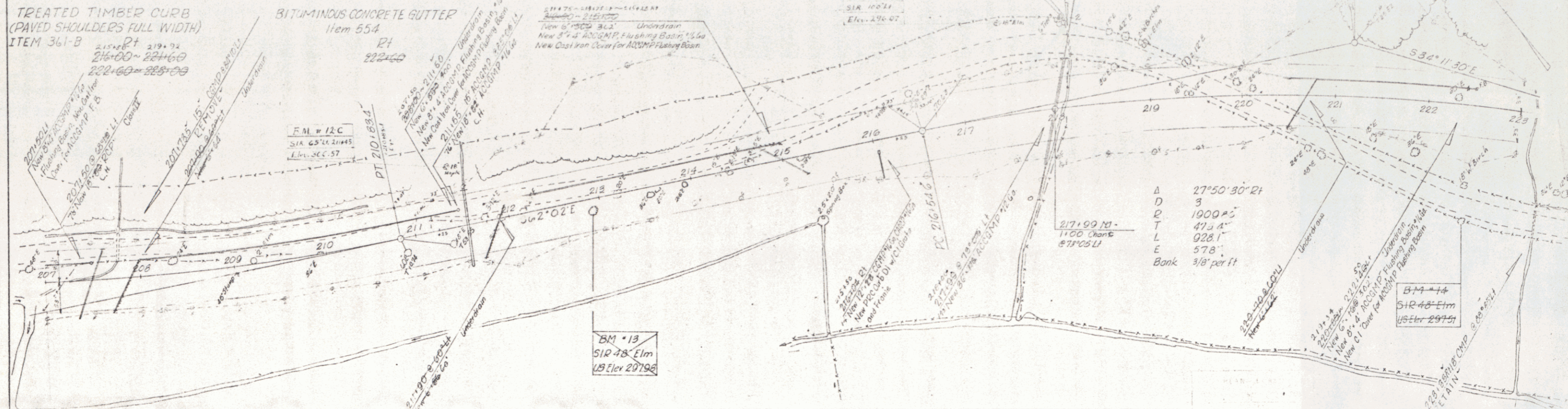
TREATED TIMBER CURB
 (PAVED SHOULDERS FULL WIDTH)
 ITEM 361-B
 RT
 219+75 219+75
 216+00-224+00
 222+60-223+00

BITUMINOUS CONCRETE GUTTER
 Item 554
 RT
 222+00

UNDERDRAIN
 New 6" PVC 3/4" Underdrain
 New 4" 3/4" PVC 1/2" Underdrain
 New 4" 3/4" PVC 1/2" Underdrain
 New 4" 3/4" PVC 1/2" Underdrain

Full 12" C
 SIA 100' 11
 Elev. 496.07

PLAN
 DATE: 12/1/53
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 NOTE: ALL DISTANCES IN FEET UNLESS OTHERWISE NOTED.



Δ 27°50'30" RT
 D 3
 R 1000 AS
 T 475 AS
 L 928 FT
 E 578'
 Bank 3/8" per ft

BM #13
 S1R 48 Elm
 US Elev 297.96

BM #14
 S1R 48 Elm
 US Elev 297.51

TWO CABLE GUARD RAIL
 LT RT
 223+00-223+44 223+00-224+26
 226+00-226+00 225+90

TREATED TIMBER CURB
 (PAVED SHOULDER FULL WIDTH)
 ITEM 361-B
 RT
 223+00-224+20
 225+00-226+00
 227+00-228+00

EXCAVATION AND REMOVAL
 OF ROAD SURFACES AND/OR PAVEMENT
 RT
 223+00-228+00

18" SUB-BASE OF SAND
 223+00-227+25
 223+00-231+50

PAVED DITCH
 227+63 ft

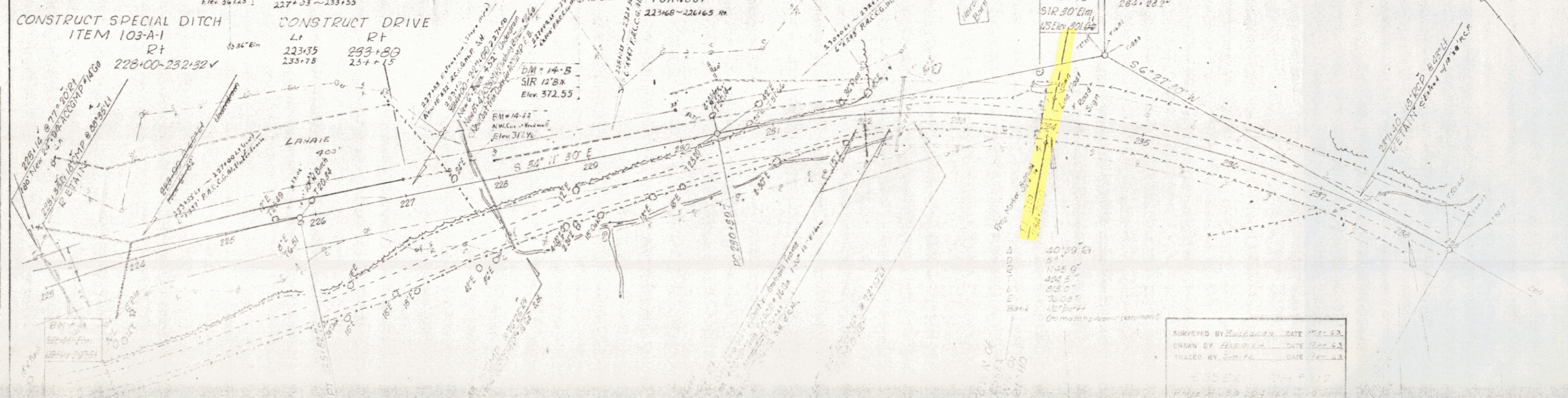
CONSTRUCT SPECIAL DITCH
 ITEM 103-A-1
 RT
 228+00-232+32 V

CONSTRUCT DRIVE
 LT RT
 223+35 223+80
 223+75 224+15

TURNOUT
 223+68-226+65 M

BM #15
 S1R 30 Elm
 US Elev 297.66

PLAN
 DATE: 12/1/53
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 NOTE: ALL DISTANCES IN FEET UNLESS OTHERWISE NOTED.



SURVEYED BY: [Signature] DATE: Dec 53
 DRAWN BY: [Signature] DATE: Dec 53
 CHECKED BY: [Signature] DATE: Dec 53

SHEET 8