

INDEX OF SHEETS

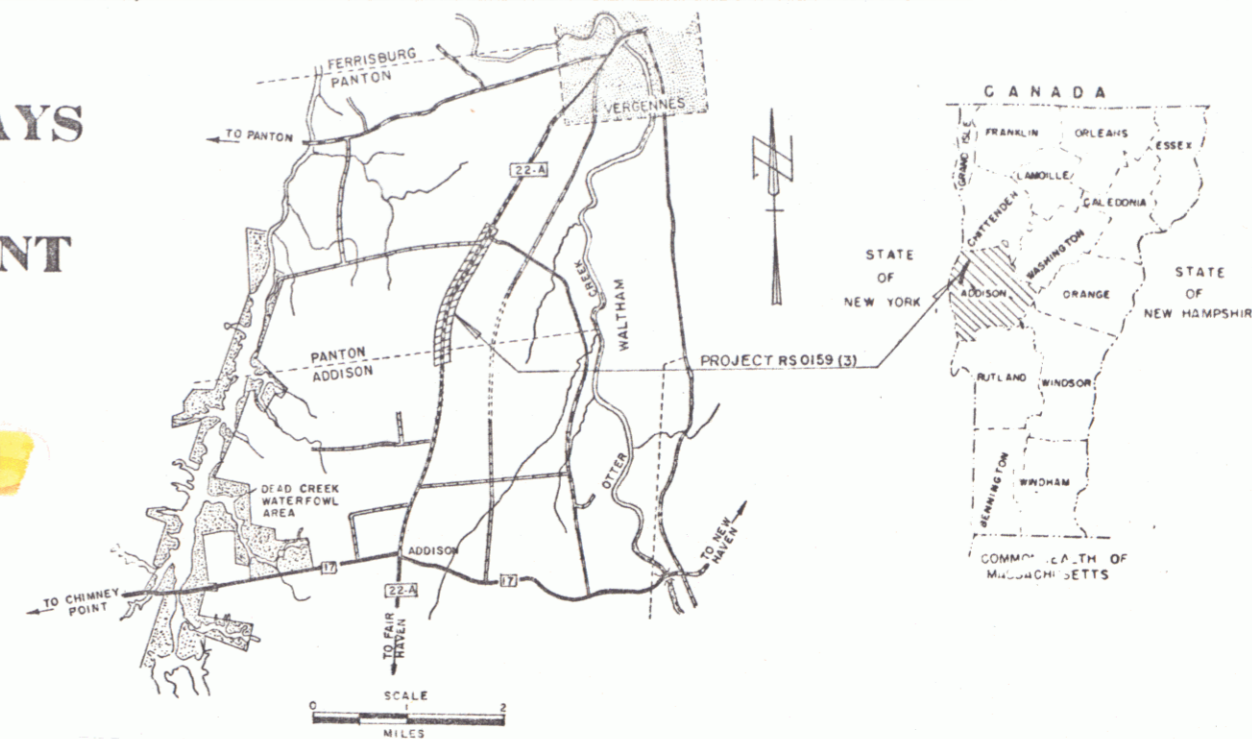
STATE OF VERMONT DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

FEDERAL AID SECONDARY PROJECT

TOWNS OF ADDISON AND PANTON

COUNTY OF ADDISON
VERMONT ROUTE 22-A



BEGINNING AT A POINT 0.035 MILES SOUTHERLY
OF THE ADDISON-PANTON TOWN LINE AND EXTENDING
NORTHERLY 1.420 MILES.

LENGTH OF PROJECT 7500.00 FEET = 1.420 MILES

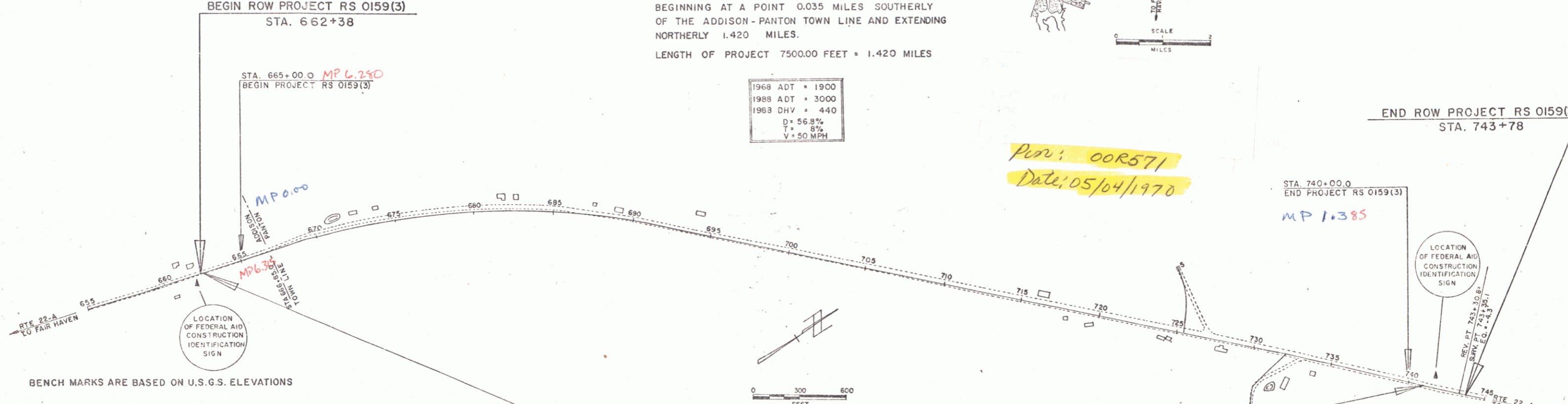
| | |
|----------|----------|
| 1968 ADT | = 1900 |
| 1988 ADT | = 3000 |
| 1983 DHV | = 440 |
| D | = 56.8% |
| T | = 5% |
| V | = 50 MPH |

BEGIN ROW PROJECT RS 0159(3)
STA. 662+38

STA. 665+00.0 MP 6.280
BEGIN PROJECT RS 0159(3)

END ROW PROJECT RS 0159(3)
STA. 743+78

STA. 740+00.0
END PROJECT RS 0159(3)
MP 1.385



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

CONVENTIONAL SIGNS

- POINT OF ACCESS X
- LIMITS OF ACCESS ————
- 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 ————
- FA CONSTRUCTION IDENTIFICATION SIGNS A



- CURVE DATA
- DEFLECTION OF 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.
- POINT ON SUB-TANGENT P.O.S.T.
- ROW LIMITS POST

FOR RIGHT OF WAY DETAILS,
SEE RIGHT OF WAY PLANS FOR THIS PROJECT.

APPROVED *[Signature]*
DIRECTOR ROW
DATE 5/1/70

APPROVED *[Signature]*
SECONDARY ENGINEER
DATE April 22, 1970

APPROVED *[Signature]*
DISTRICT ENGINEER
DATE 4-21-70

APPROVED *[Signature]*
CONSTRUCTION ENGINEER
DATE May 22, 70

APPROVED *[Signature]*
BRIDGE ENGINEER
DATE 5/1/70

APPROVED *[Signature]*
HIGHWAY ENGINEER
DATE 5/1/70

APPROVED *[Signature]*
DISTRICT ENGINEER
DATE 5/1/70

APPROVED *[Signature]*
CHIEF ENGINEER
DATE 5/1/70

APPROVED *[Signature]*
CHIEF ENGINEER
DATE 5/1/70

DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC ROADS

APPROVED

DIVISION ENGINEER DATE

PROJECT RS NO 0159(3)

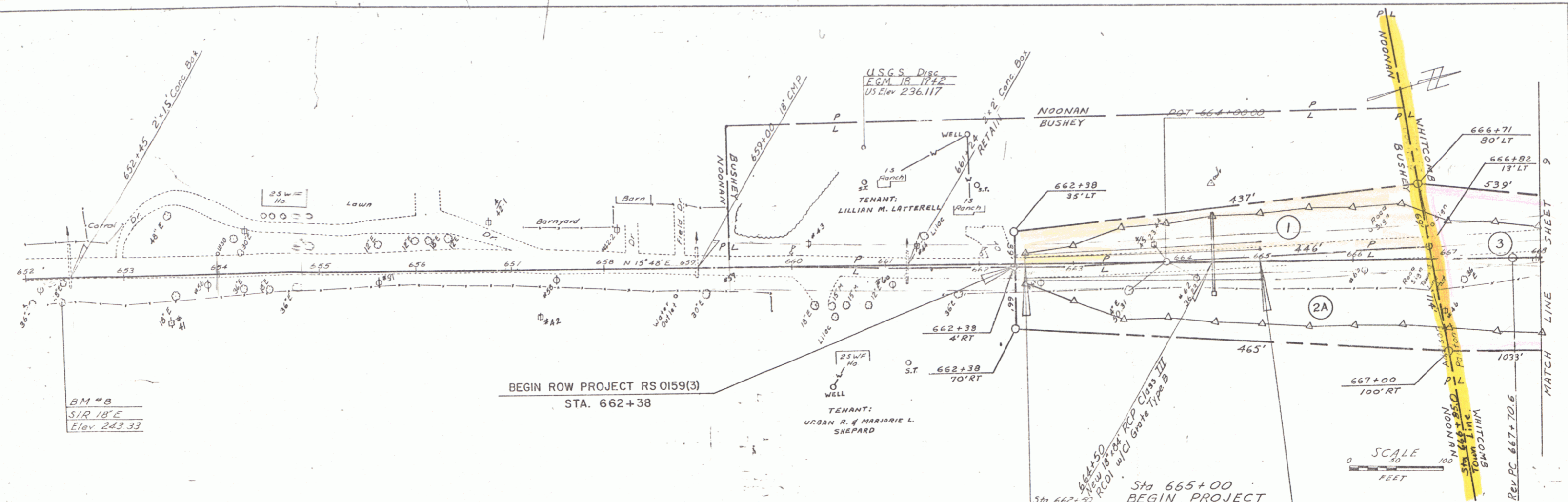
SHEET 1 OF 18 SHEETS

Per: 00R571
Date: 05/04/1970

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of VT 22A
(To Be Returned To R.O.W. Division)

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.

PLAN
 DATE: 5.22.62
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 NO. 1



BM # 8
 SIR 18'E
 Elev 243.33

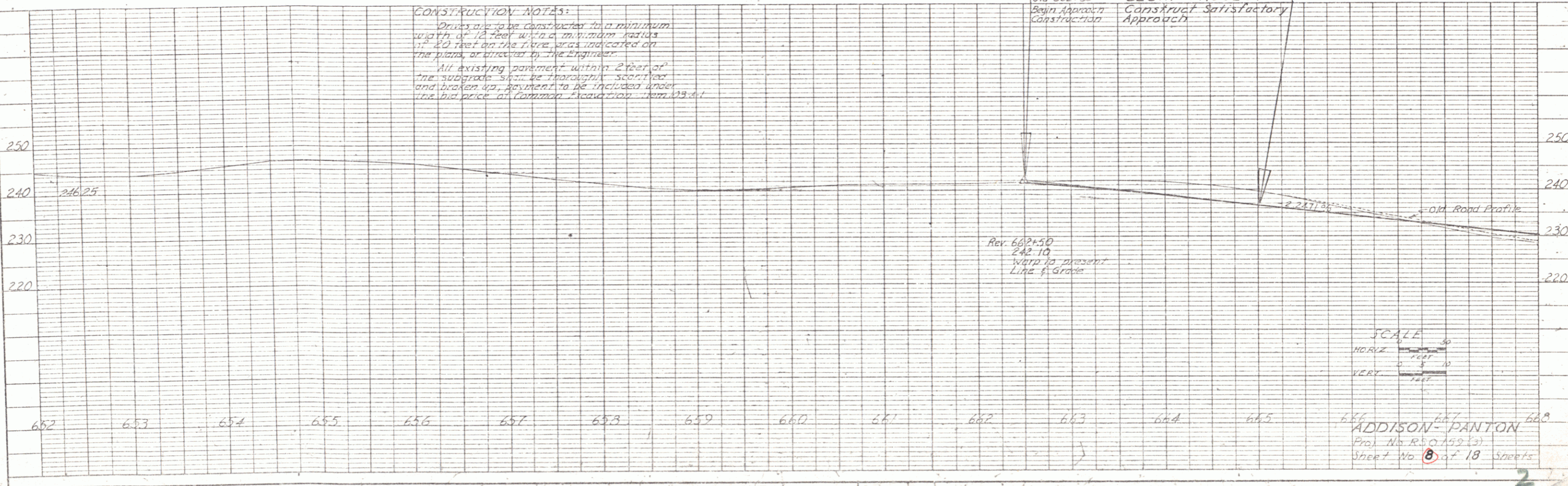
BEGIN ROW PROJECT RS 0159(3)
 STA. 662+38

SCALE
 1" = 30'

CONSTRUCTION NOTES:
 Drains are to be constructed to a minimum width of 12 feet with a minimum depth of 40 feet on the three areas indicated on the plans, or directed by the Engineer.
 All existing pavement within 2 feet of the subgrade shall be thoroughly scarified and broken up, payment to be included under the bid price at Common Excavation Item 123.6.1

Sta 662+50
 Begin Approach Construction
 Sta 665+00
 BEGIN PROJECT
 Construct Satisfactory Approach

PROFILE
 DATE: 5.22.62
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 NO. 1

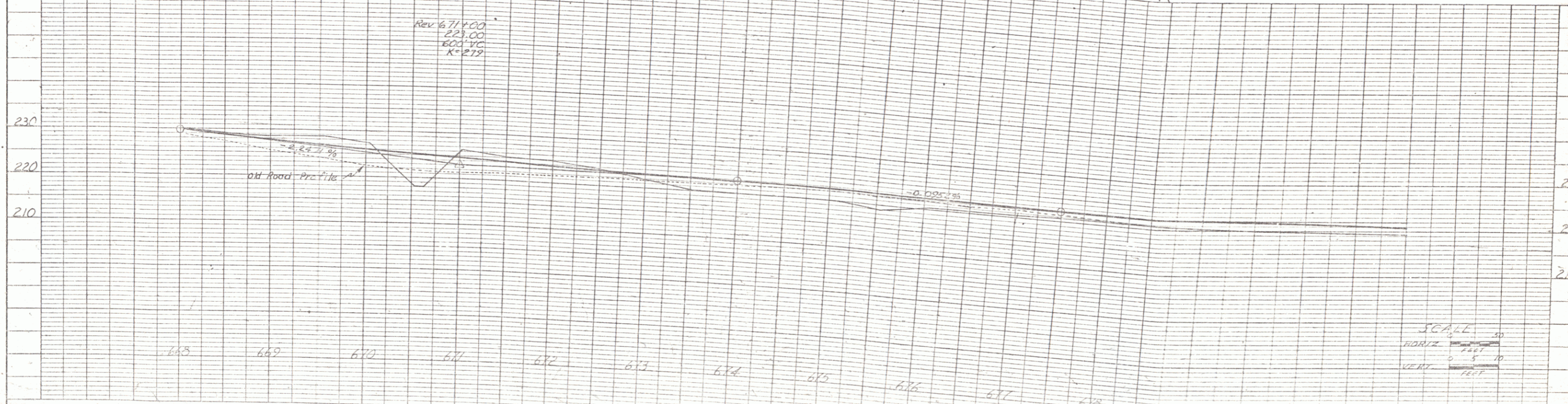
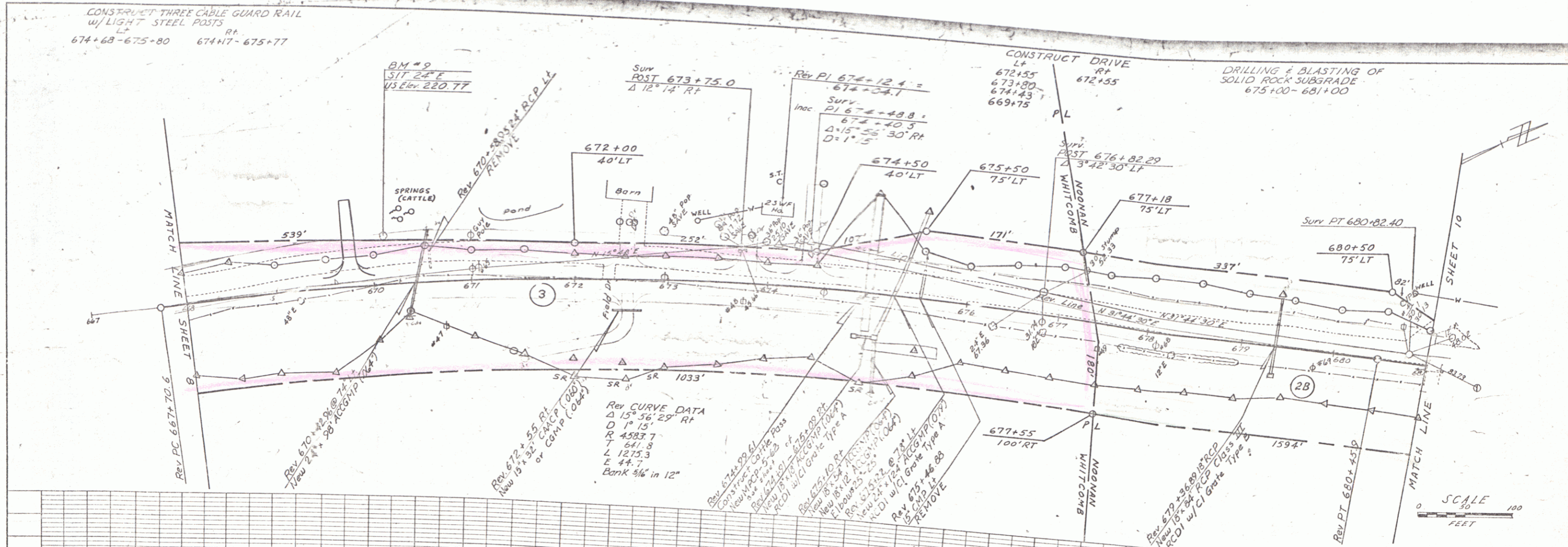


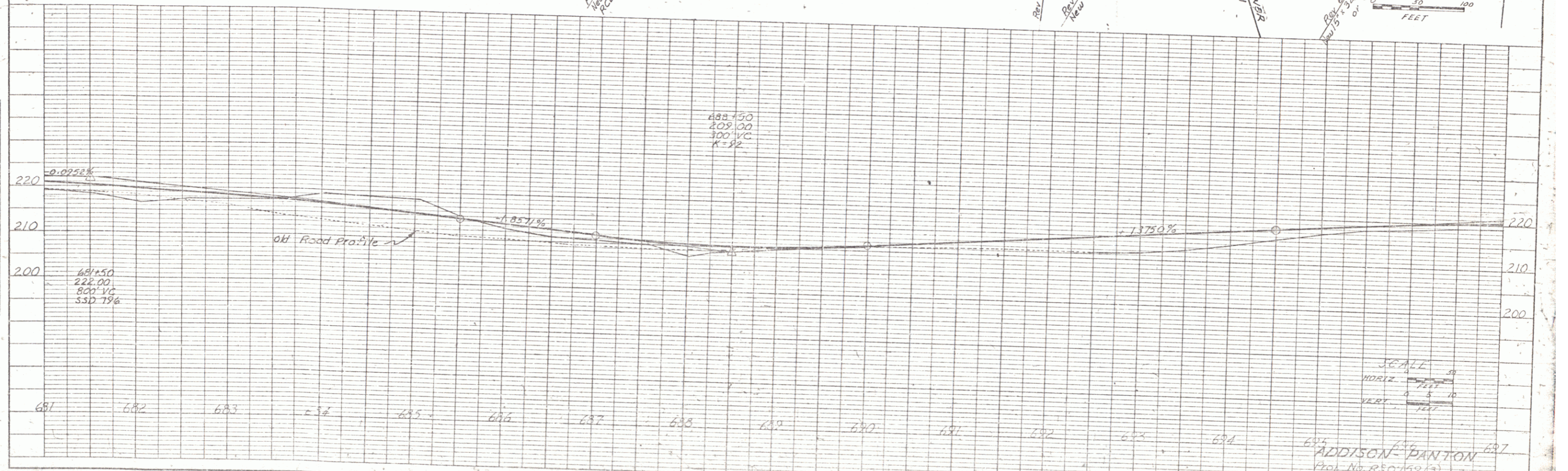
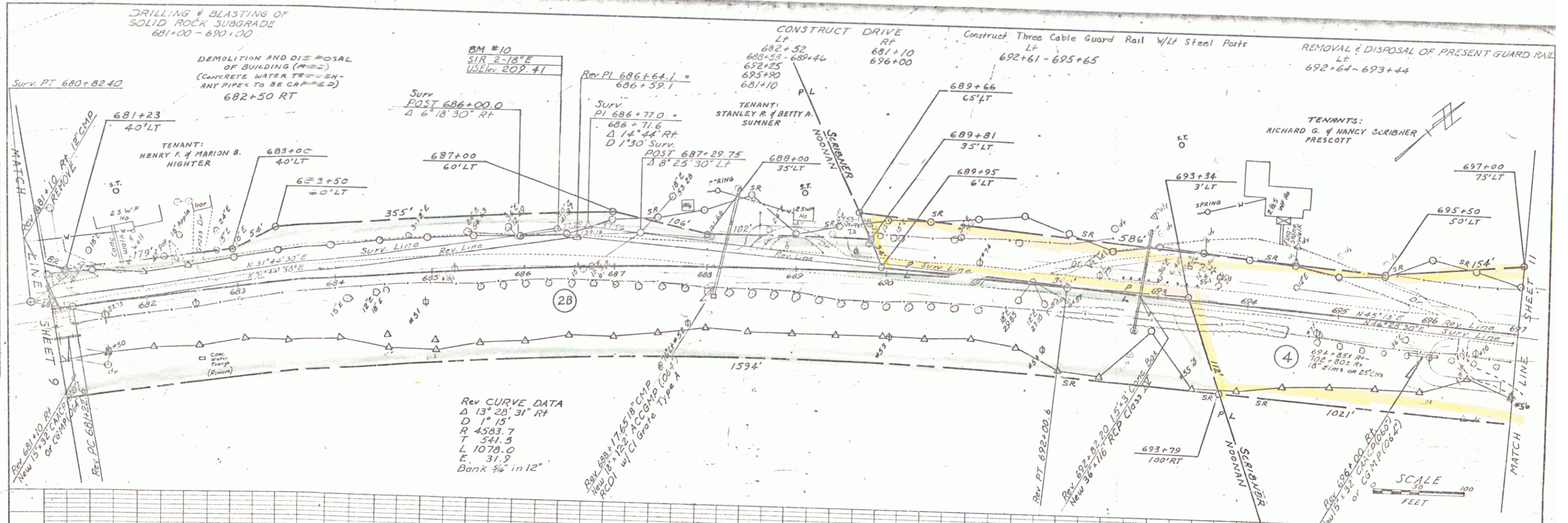
SCALE
 HORIZ: 1" = 30'
 VERT: 1" = 10'

ADDISON-PANTON
 Proj. No. RS 0159(3)
 Sheet No. 8 of 18 Sheets

PLAN
 DRAWN BY: S. J. [unclear]
 CHECKED BY: [unclear]
 DATE: 5-28-58
 PROJECT: [unclear]
 SHEET: 3 of 18

PROFILE
 DRAWN BY: S. J. [unclear]
 CHECKED BY: [unclear]
 DATE: 5-28-58
 PROJECT: [unclear]
 SHEET: 3 of 18





PLAN
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

PROFILE
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

SCALE 1" = 30' FEET

SCALE
 HORIZ. 1" = 10'
 VERT. 1" = 5'

ADDISON-DANTON
 Proj. No. R-50759 (3)
 Sheet No. 10 of 18 Sheets

PLAN
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

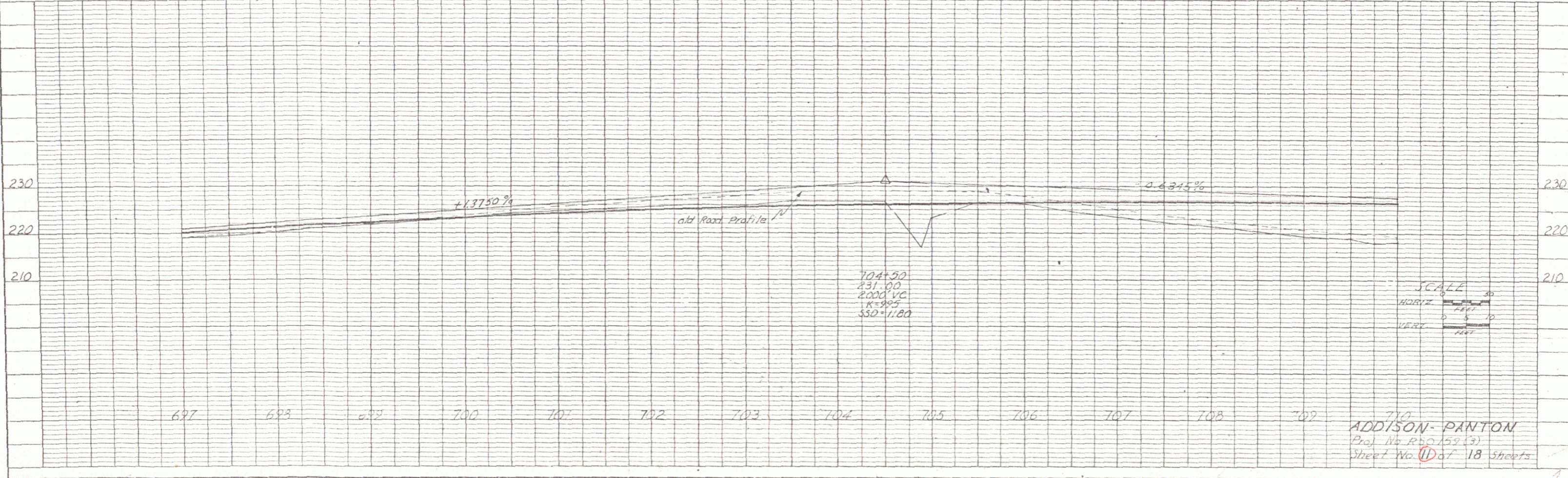
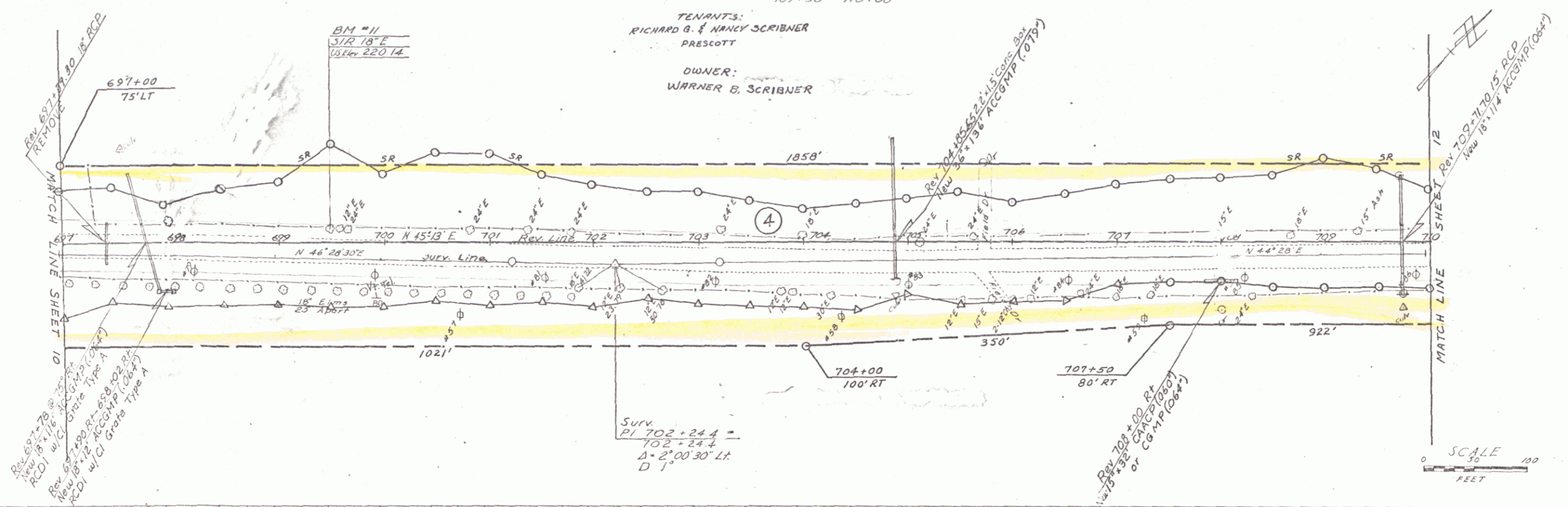
PROFILE
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

CONSTRUCT DRIVE
 LT 105+74 RT 108+00

CONSTRUCT THREE CABLE GUARD RAIL
 w/LIGHT STEEL POSTS
 LT 697+06 - 698+66 RT 697+06 - 698+66

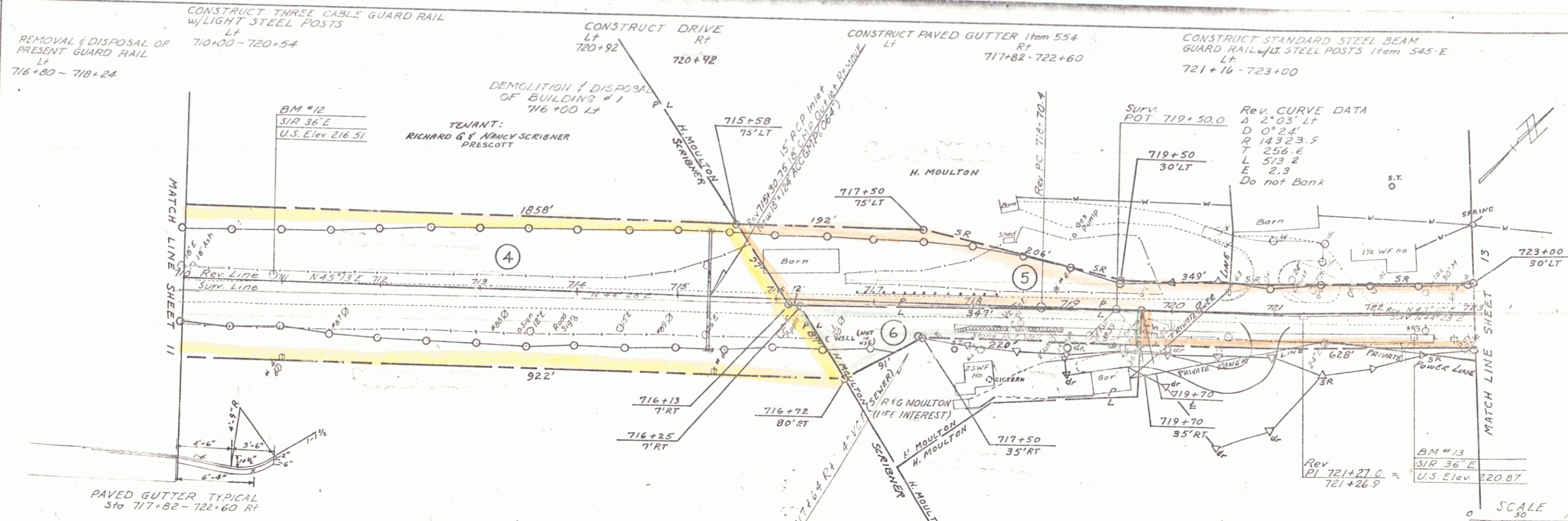
TENANTS:
 RICHARD B. & NANCY SCRIBNER
 PRESCOTT

OWNER:
 WARNER B. SCRIBNER



ADDISON-PANTON
 Proj. No. R50159(3)
 Sheet No. 18 of 18 Sheets

5



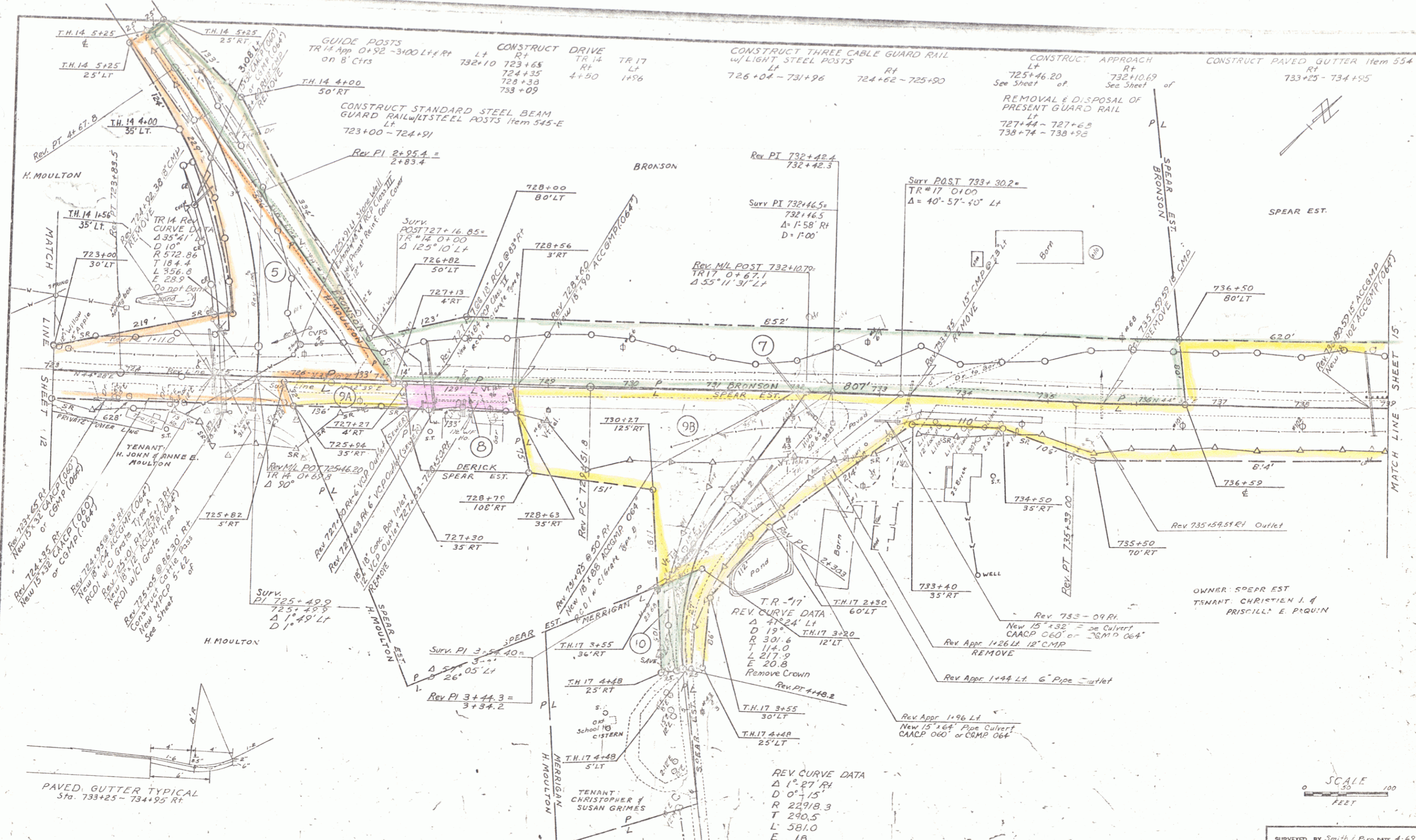
PLAN

| | |
|--------------------|---------------|
| DATE | 8/22/22 |
| BY | W. J. F. FID. |
| CHECKED | W. J. F. FID. |
| NO. OF ANY CHANGES | 0 |
| NO. | |

PROFILE

| | |
|--------------------|---------------|
| DATE | 8/22/22 |
| BY | W. J. F. FID. |
| CHECKED | W. J. F. FID. |
| NO. OF ANY CHANGES | 0 |
| NO. | |

PLATE 1, PLAN-PROFILE
RUEHL & SUELL CO.



Rev 724+95 R.C.P. (064)
 New 5'x32" CAACP (064)
 or CMP (064)
 Rev 724+95 R.C.P. (064)
 New 5'x32" CAACP (064)
 or CMP (064)
 Rev 724+95 R.C.P. (064)
 New 5'x32" CAACP (064)
 or CMP (064)
 Rev 724+95 R.C.P. (064)
 New 5'x32" CAACP (064)
 or CMP (064)

REV CURVE DATA
 Δ 1° 27' RI
 D 0° 15'
 R 22918.3
 T 290.5
 L 581.0
 E 18
 Do not Bank

SCALE
 0 50 100
 FEET

SURVEYED BY Smith & Proffitt 4-62
 DRAWN BY Hoy DATE 5-62
 TRACED BY Hoy DATE 5-62
ADDISON-PANTON
 PROJ. NO. 0159 (3)
 SHEET 13 of 18
 0-7

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- 1. Title Sheet
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- 6. Quantity Sheet
- 7. Drainage Sheet
- 8-9. Earthwork Sheets
- 10. Blank
- 11-12. Right-of-Way Details
- 13. Blank
- 15-22. Plan and Profile
 - 23. A-50 Solid Rock Excavation 4/9/71
 - 24. B-1 Banking Tables 7/17/67
 - 25. B-5 Typical Slope Grading 3/10/65
 - 26. B-10 Embankment on a Slope 3/10/65
 - 27. D-2 Underdrain and Headwalls 3/3/71
 - 28. D-3 Truncated Gutter 7/10/67
 - 29. D-4 Flushing Basins 12/4/68
 - 30. D-6 Trap Inlets 12/23/66
 - 31. D-11 Grates 12/2/69
 - 32. D-16 Grates 10/28/69
 - 33. E-31 Fed. Aid Const. Ident. Signs 2/17/71
 - 34. E-32 Road Const. Appr. Signs 5/6/71
 - 35. E-33 On-Project Const. Signs 5/6/71
 - 36. G-1 Std. Steel Beam Guard Rail 4/28/70
 - 37. G-1a Anchors for Std. Steel Beam Guard Rail 4/28/70
 - 38. G-4 Std. Marker Posts and Guide Posts 12/30/65
 - 39. G-6 Three Cable Guard Rail and Anchors 4/29/70
 - 40. G-7 Anchors for Three Cable Guard Rail 4/29/70
 - 41. Project and Boundary Markers 3/10/65
 - 42. D-1 Drop Inlet Type T & B 01/11/66
 - 43. M-7-P-5-62 Cattle Pass at 67499.61
 - 44. M-7-P-5-62 Cattle Pass at 67496.21
 - 45. V-5-62 Cattle Pass at 72505
 - 46. Blank
 - 47-50. Mainline Cross Sections
 - 51-55. Approach Cross Sections

**ADDISON-PANTON RS 0159(3)
RECORD PLANS
MATERIALS**

SUBBASE OF GRAVEL & SAND & GRAVEL BACKFILL—BIGELOW PIT—CROWN POINT, N.Y.
 BITUMINOUS CONCRETE PAVEMENT—L.M. PIKE & SON, INC.—NEW HAVEN, VT.
 CONCRETE CLASS B—J.P. CARRARA & SONS, INC.—E. MIDDLEBURY, VT.
 REINFORCING STEEL—BETHLEHEM STEEL CO.—SPARROWS POINT, MD.
 METAL CULVERT PIPE—NORTHEASTERN CULVERT CORP.—WESTMINSTER, VT.
 REINFORCED CONCRETE PIPE—S.T. GRISWOLD & CO., INC.—WILLISTON, VT.
 PLASTIC PIPE—CELESESE PLASTIC CO.—HILLIARD, OHIO.
 TRANSITE WATER SLEEVES—JOHNS MANVILLE CO.—CAMBRIDGE, MA.
 CAST IRON COVER FOR FLUSHING BASIN & GRATES A & B—E.L. LEARON FOUNDRY CO.—BROCKTON, MA.
 GUARD RAIL & EROSION CONTROL ITEMS—GRISWOLD FENCE CO., INC.—WILLISTON, VT.

CONTRACTOR—CHAMPLAIN CONSTRUCTION CO., MIDDLEBURY, VT.
 RESIDENT ENGINEER—NORMAN W. BITTNER, R.D. HOSKING, R.E. BRADY & R.W. JENSEN.
 INSPECTORS—R.L. ALDRICH, E.A. ORVIS, D. BURBANK, M.W. GRAVEL.
 RECORD PLANS—A.G. SPIDLE.

CONTRACT DATED—DECEMBER 9, 1971.
 STARTED—JANUARY 31, 1972.
 COMPLETED—JULY 26, 1973.
 ACCEPTED—JULY 26, 1973.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

Proposed Improvement

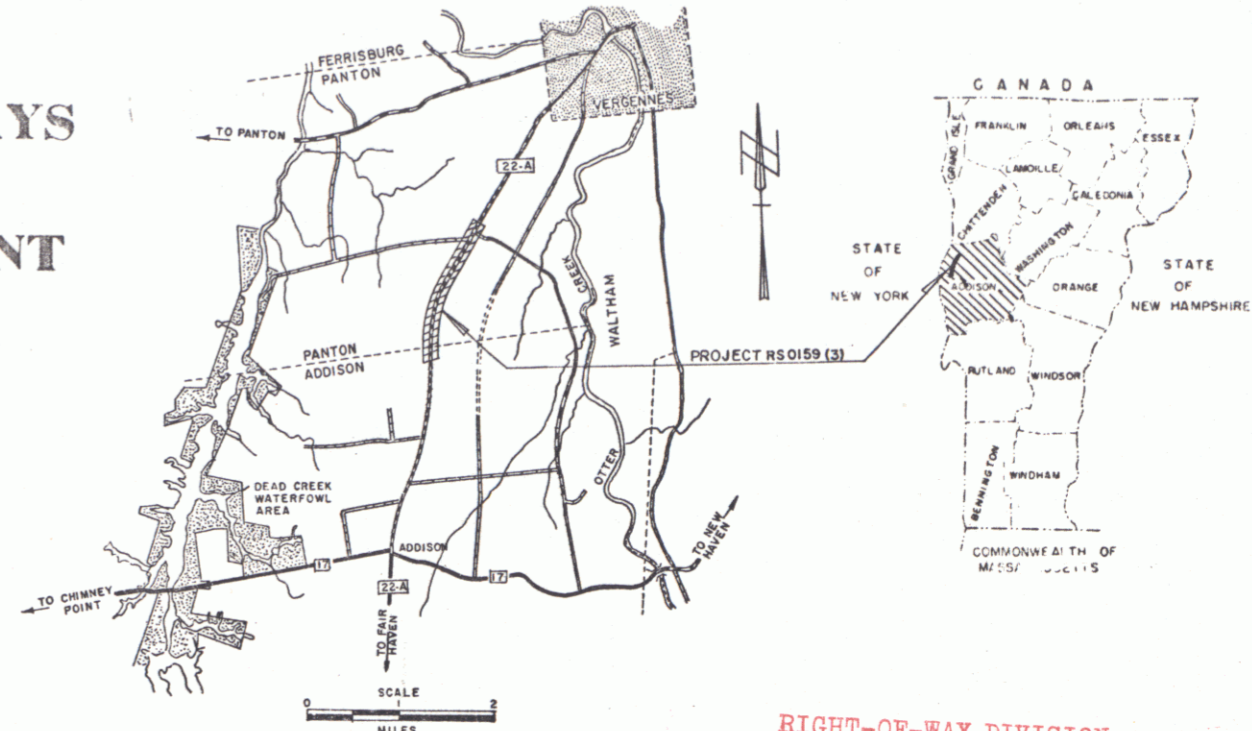
FEDERAL AID SECONDARY PROJECT

**TOWNS OF
ADDISON AND PANTON
COUNTY OF ADDISON
VERMONT ROUTE 22-A**

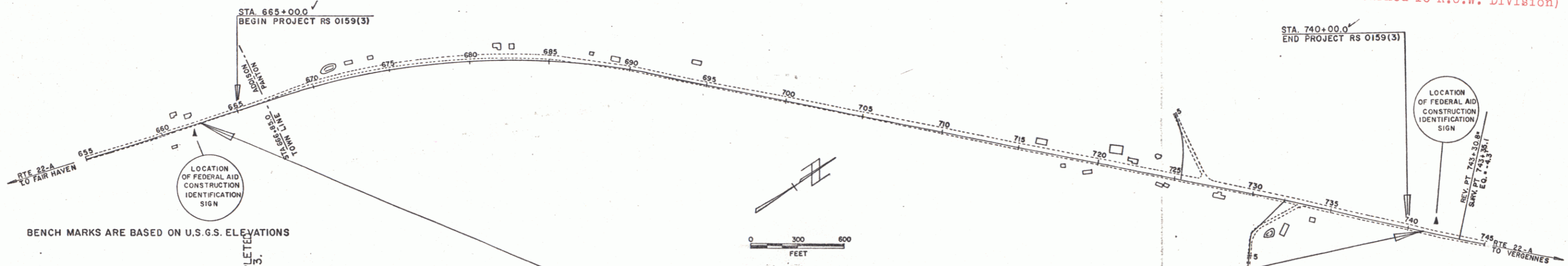
BEGINNING AT A POINT 0.035 MILES SOUTHERLY OF THE ADDISON - PANTON TOWN LINE AND EXTENDING NORTHERLY 1.420 MILES.

LENGTH OF PROJECT 7500.00 FEET = 1.420 MILES

| | |
|----------|--------|
| 1968 ADT | 1900 |
| 1968 ADT | 3000 |
| 1968 DHV | 440 |
| D | 56.8% |
| T | 8% |
| V | 50 MPH |



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



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

CONVENTIONAL SIGNS

- POINT OF ACCESS
- LIMITS OF ACCESS
- 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
- F.A. CONSTRUCTION IDENTIFICATION SIGN

ADDISON-PANTON RS 0159(3)
 CONTRACTOR—CHAMPLAIN CONSTRUCTION CO., MIDDLEBURY, VT.
 RES. ENG.—NORMAN W. BITTNER
 RECORD PLANS—A.G. SPIDLE
 CONST. COMPLETED
 JULY 26, 1973.



FOR RIGHT OF WAY DETAILS, SEE RIGHT OF WAY PLANS FOR THIS PROJECT.

NOTE: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES, AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE FOUND IN EITHER THE FIELD BOOKS OR THE ESTIMATE FILE.

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 TRANSPORTATION
BUREAU OF PUBLIC ROADS

| | | | | | | |
|---|--|---|---|---|--|--|
| APPROVED <i>A. Jenkins</i> DIRECTOR R.O.W. DATE 5/1/70 | APPROVED <i>N. Bittner</i> DISTRICT ENGINEER DATE 4-27-70 | APPROVED <i>A.G. Spidle</i> CONSULTING ENGINEER DATE 1/17/70 | APPROVED <i>L.M. Pike</i> GRADE ENGINEER DATE 5/1/70 | APPROVED <i>G.W. Lane</i> HIGHWAY ENGINEER DATE 5/1/70 | APPROVED <i>E.H. Diebney</i> SUPERVISOR DATE 5/1/70 | APPROVED <i>R.N. Arnold</i> DEPUTY ENGINEER DATE 5/1/70 |
|---|--|---|---|---|--|--|

APPROVED _____
 DIVISION ENGINEER DATE _____
 PROJECT RS NO. 0159(3)
 SHEET 93 OF 93 SHEETS

PLAN
 SURVEYED BY
 J. Smith & P. Piro
 DATE
 11/15/50
 CHECKED BY
 J. Smith & P. Piro
 DATE
 11/15/50

PROFILE
 DRAWN BY
 P. Piro
 DATE
 11/15/50
 CHECKED BY
 J. Smith & P. Piro
 DATE
 11/15/50

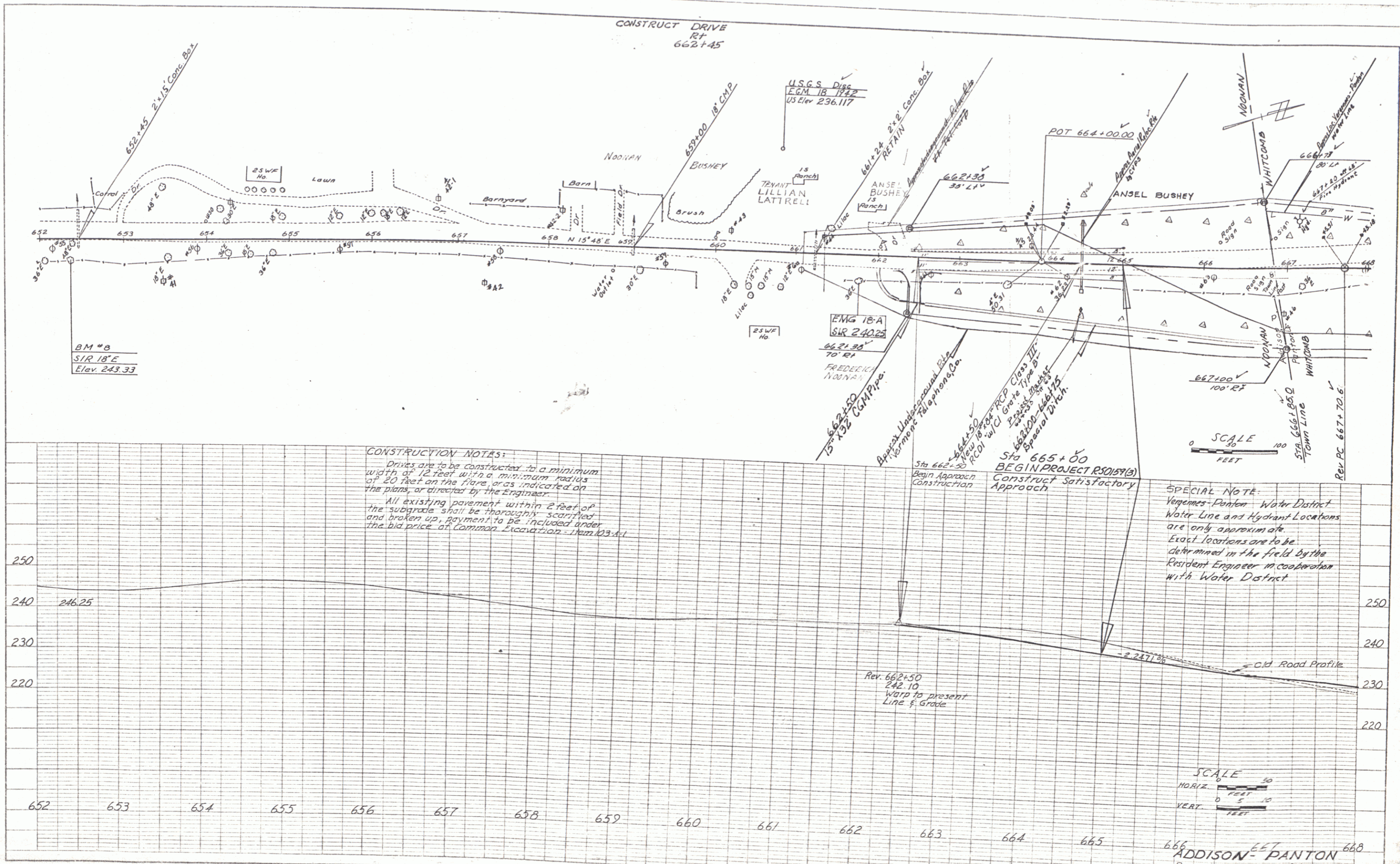


PLATE 4, PLAN PROFILE
 R50 159 (3)

SMITH & PANTON
 CIVIL ENGINEERS
 1001 W. 10th St. - 1st Fl.
 OMAHA, NEB. 68102
 PHONE 462-1111
 TELEX 151111
 FAX 462-1111

PROFILE
 COMPUTER
 5-88

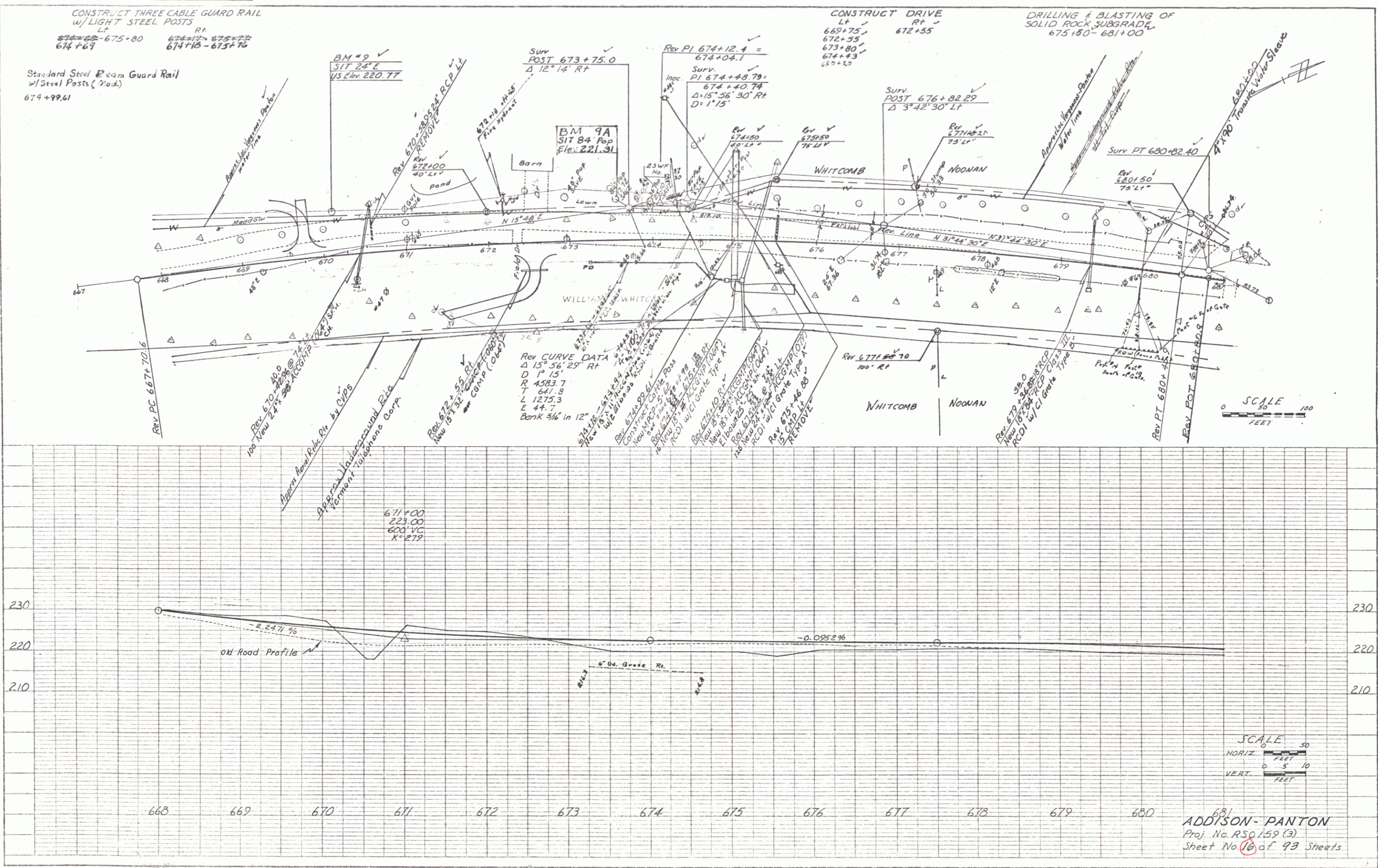
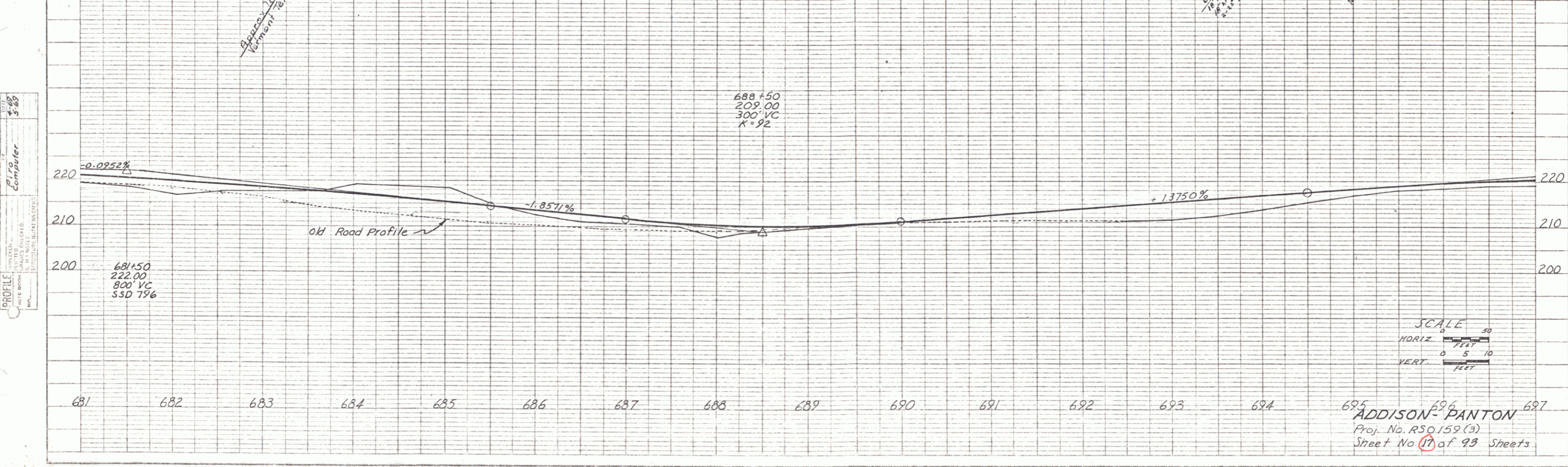
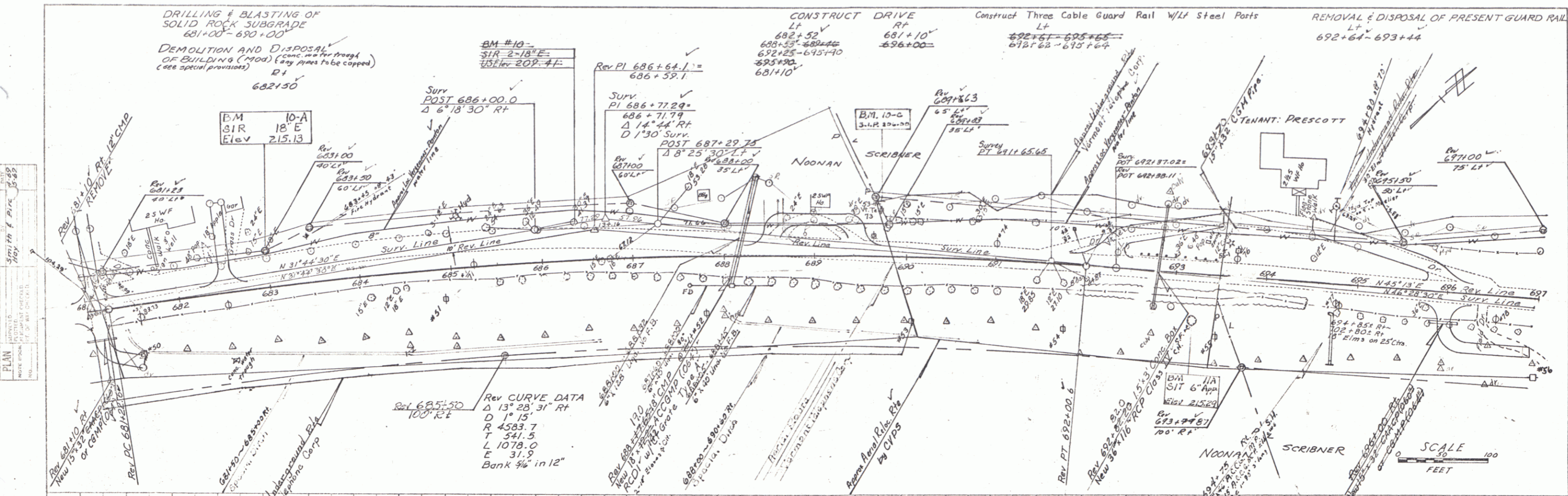


PLATE 1 PLAN/PROFILE
 11



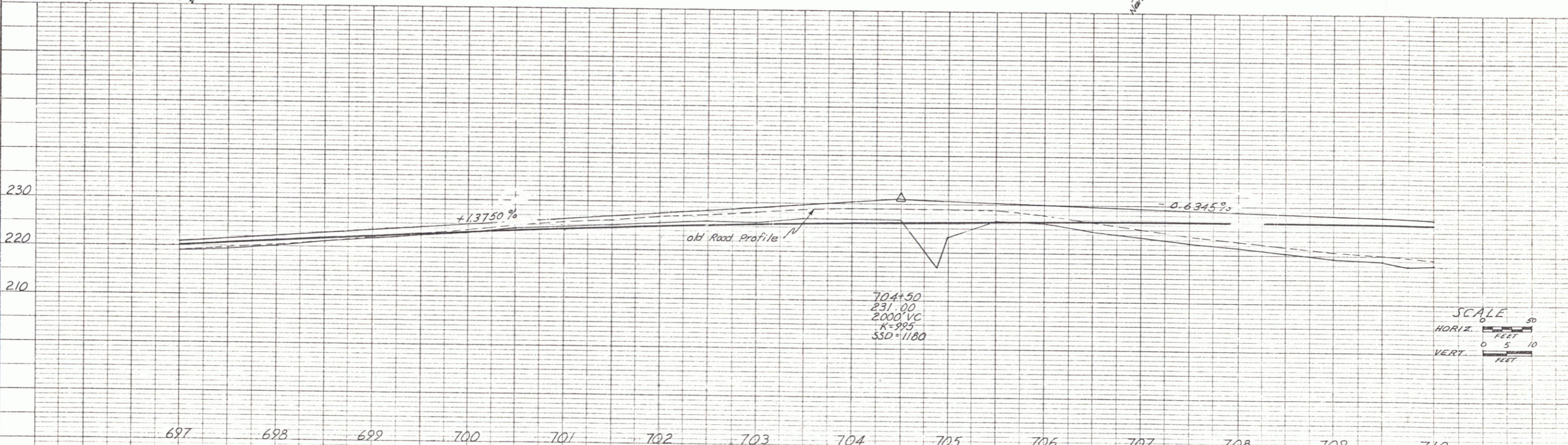
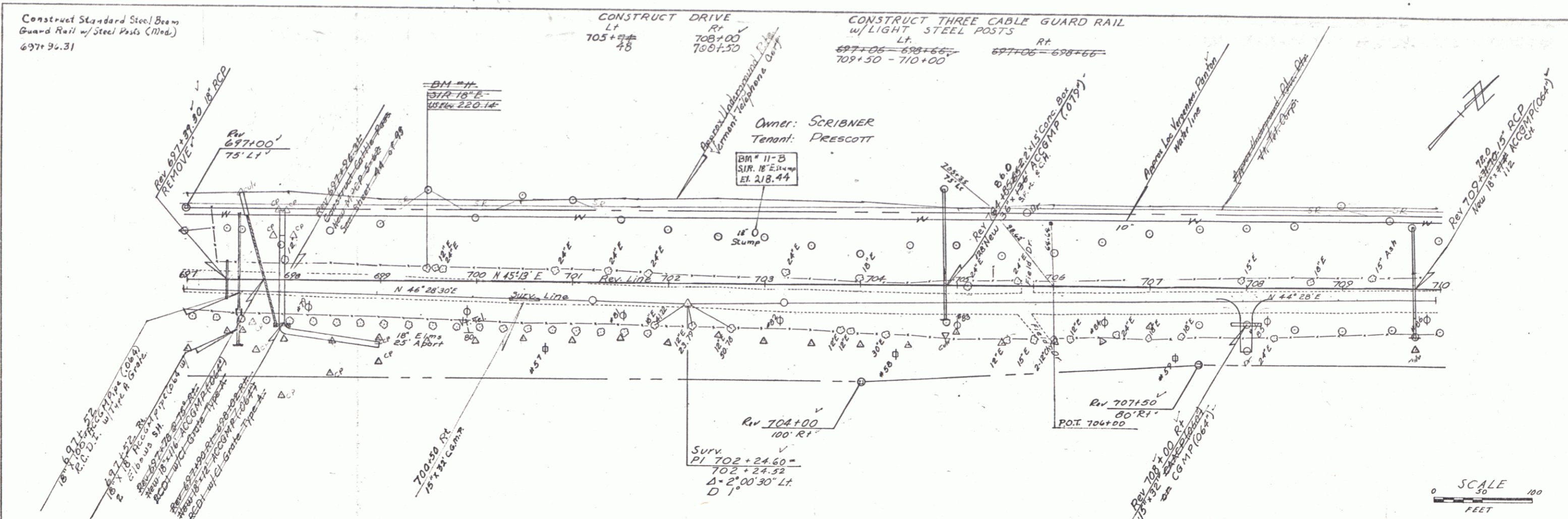
PLAN
 DATE: 5-85
 DRAWN BY: [Name]
 CHECKED BY: [Name]

PROFILE
 DATE: 5-85
 DRAWN BY: [Name]
 CHECKED BY: [Name]

SCALE
 1" = 100'
 FEET

SCALE
 HORIZ. 1" = 50'
 VERT. 1" = 10'
 FEET

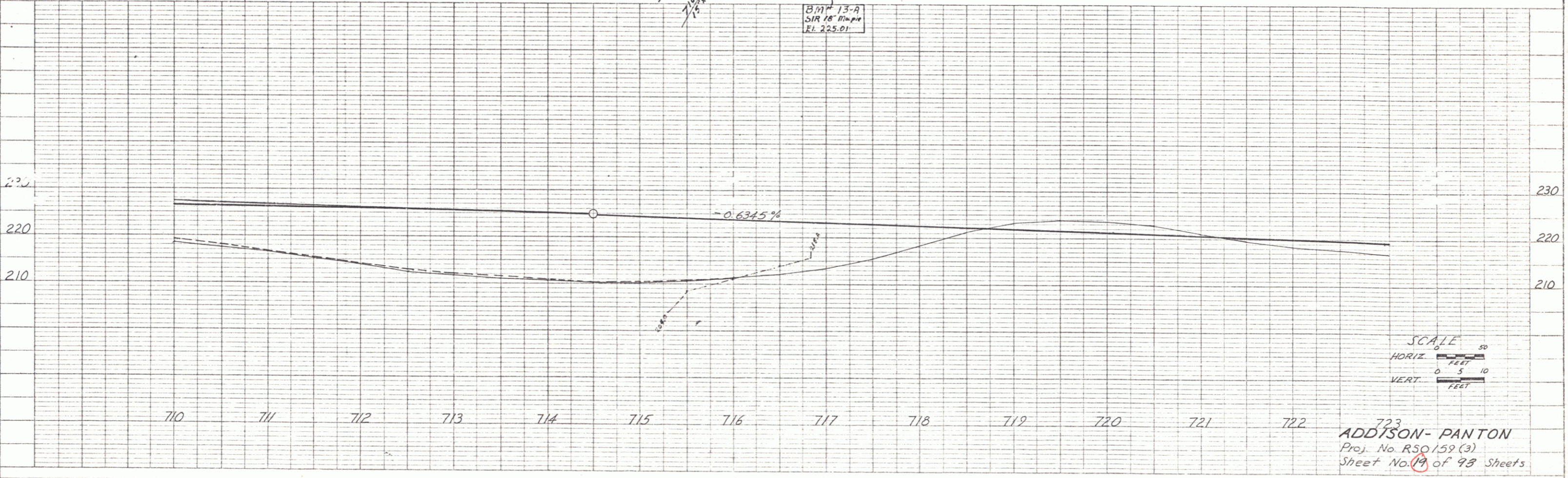
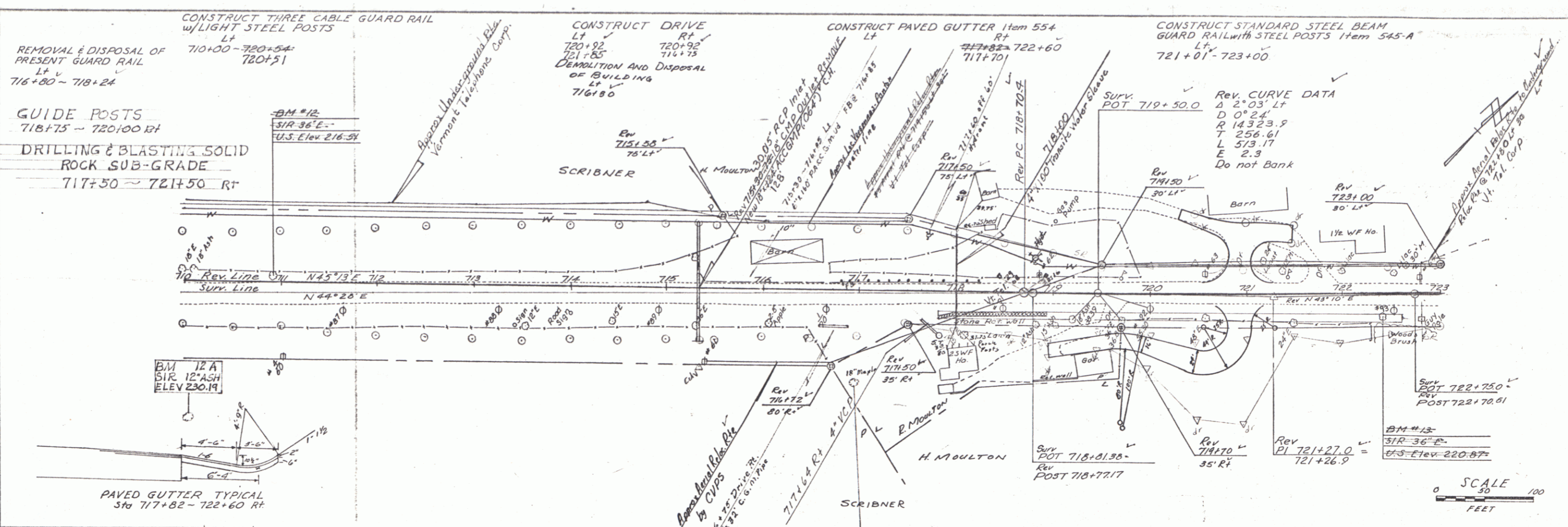
ADDISON-PANTON
 Proj. No. R30159(3)
 Sheet No. 17 of 93 Sheets



DATE: 4-8-58
BY: Smith, P. P.
CHECKED: [Signature]
DATE: 4-8-58

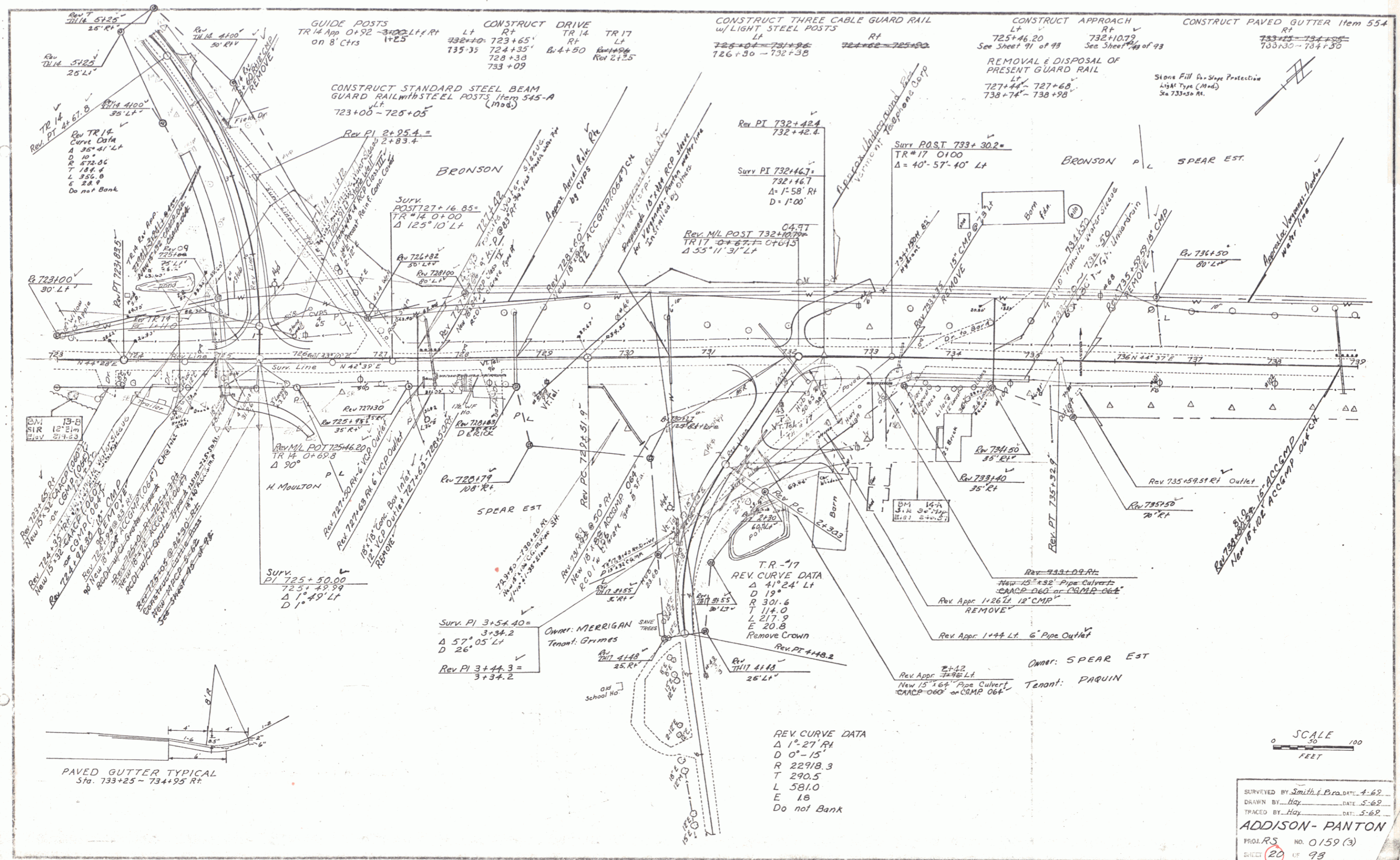
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BY: Pico Computer
CHECKED: [Signature]
DATE: 4-8-58

710
ADDISON-PANTON
Proj. No. R50159(3)
Sheet No. 13 of 95 Sheets



DATE 4-88
 BY Smith & Piro
 CHECKED
 APPROVED

DATE 4-88
 BY Piro
 CHECKED
 APPROVED



GUIDE POSTS TR 14 App 0+92 - 300' LT + RT on 8' Ctrs
 CONSTRUCT DRIVE TR 14 RT TR 17 LT
 332+10 723+65' RT TR 14
 735+35 724+35' Bw 4+90 Ret 4+90
 728+30 733+09 Ret 4+90
 CONSTRUCT THREE CABLE GUARD RAIL w/ LIGHT STEEL POSTS RT
 726+00 - 731+96
 726+30 - 732+38
 CONSTRUCT APPROACH LT RT
 725+46.20 732+10.79
 See Sheet 91 of 98 See Sheet 92 of 98
 CONSTRUCT PAVED GUTTER Item 554 RT
 733+25 - 734+95
 733+30 - 734+30

CONSTRUCT STANDARD STEEL BEAM GUARD RAIL WITH STEEL POSTS Item 545-A (mod)
 723+00 - 725+05

REMOVAL & DISPOSAL OF PRESENT GUARD RAIL
 LT RT
 727+44 - 727+68
 738+74 - 738+98
 Stone Fill for Slope Protection Light Type (Mod) Sta 733+50 Rt.

TR 14
 Rev PT 41.25
 Rev TR 14
 Curve Data
 Δ 86° 41' LT
 D 10'
 T 52.06
 L 18.0
 E 35.0
 Do not Bank

SURV. POST 727+16.85
 TR 14 0+00
 Δ 125° 10' LT

Rev PT 732+42.4
 732+42.4
 Surv PI 732+46.7
 732+46.7
 Δ 1° 58' RT
 D = 1' 00'

SURV. POST 733+30.2
 TR 17 0+00
 Δ 40° 57' 40" LT

R 723+100
 30' LT

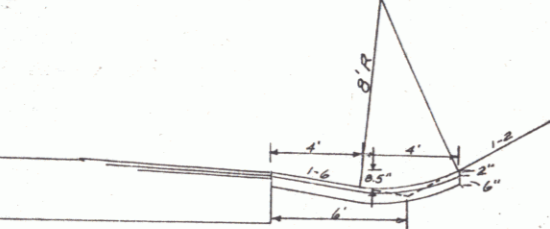
Rev ML POT 725+46.20
 TR 14 0+69.8
 Δ 90°

Rev 720+171
 108' RT

T.R. 17
 REV. CURVE DATA
 Δ 41° 24' LT
 D 19'
 R 301.6
 T 114.0
 L 217.9
 E 20.8
 Remove Crown

SURV. PI 3+54.40
 3+34.2
 Δ 57° 05' LT
 D 26'
 Rev PI 3+44.3 = 3+34.2

Rev Appr 1+26 LT 12" CMP REMOVE
 Rev Appr 1+24 LT 6" Pipe Outlet
 Rev Appr 2+42 7+96 LT
 New 15" x 6" Pipe Culvert "CAMP-060" or "CAMP-064"
 Owner: SPEAR EST
 Tenant: PAQUIN



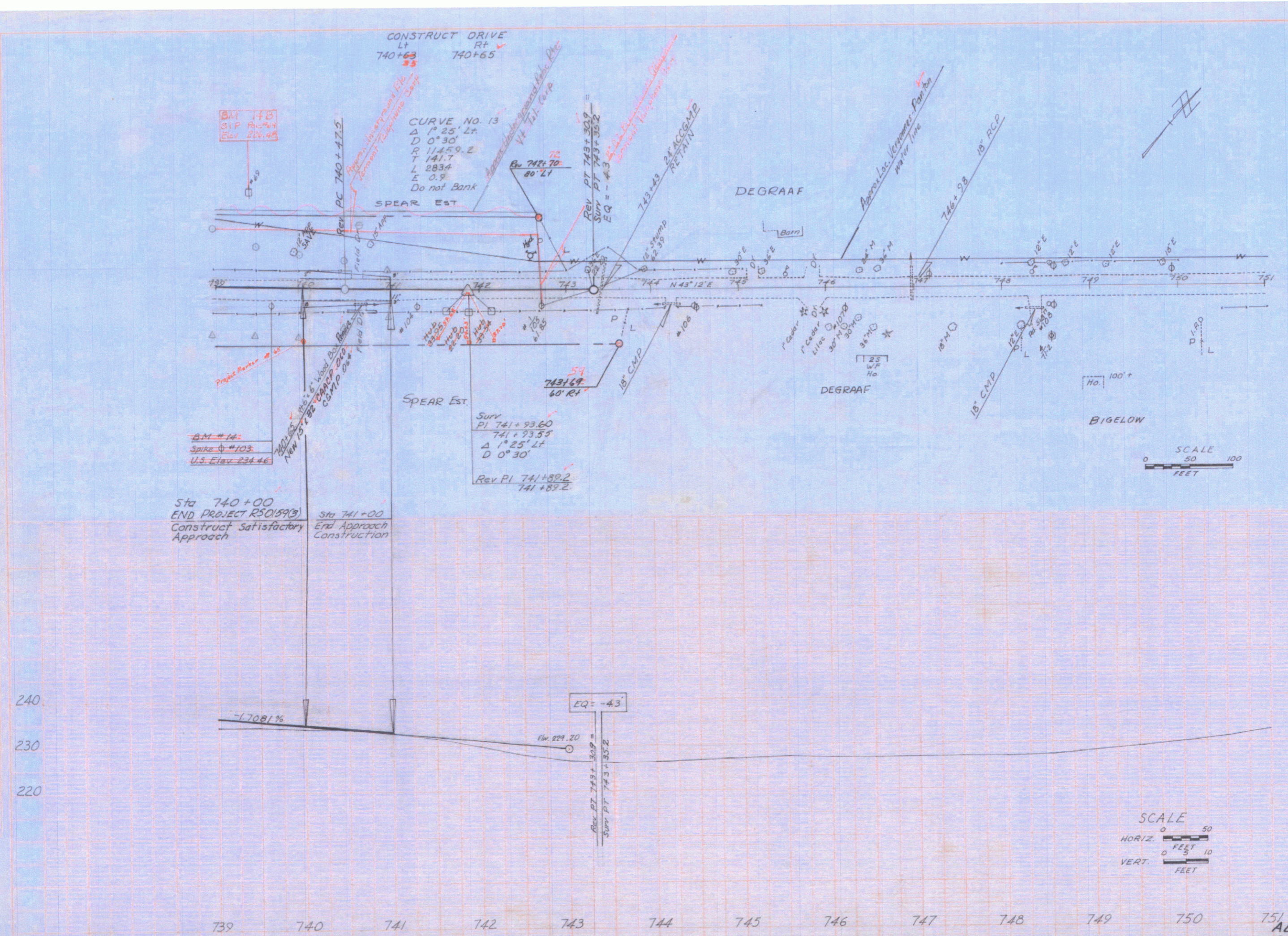
PAVED GUTTER TYPICAL
 Sta. 733+25 - 734+95 Rt.

REV. CURVE DATA
 Δ 1° 27' RT
 D 0' 15"
 R 229/18.3
 T 290.5
 L 581.0
 E 18
 Do not Bank



SURVEYED BY Smith & Bra. DATE: 4-62
 DRAWN BY Hay DATE: 5-62
 TRACED BY Hay DATE: 5-62
ADDISON - PANTON
 PROJ. RS. NO. 0159 (3)
 SHEET 20 OF 98
 D-7

Smith & Pava
4-65
Pava
4-65
Leonard



Sta 740+00
END PROJECT R50159(3)
Construct Satisfactory
Approach

Sta 741+00
End Approach
Construction

SCALE
HORIZ. 1" = 50'
FEET
VERT. 1" = 10'
FEET

751
ADDISON - PANTON
Proj No. R50159(3)
Sheet No. 22 of 93 Sheets