

Pownal 61

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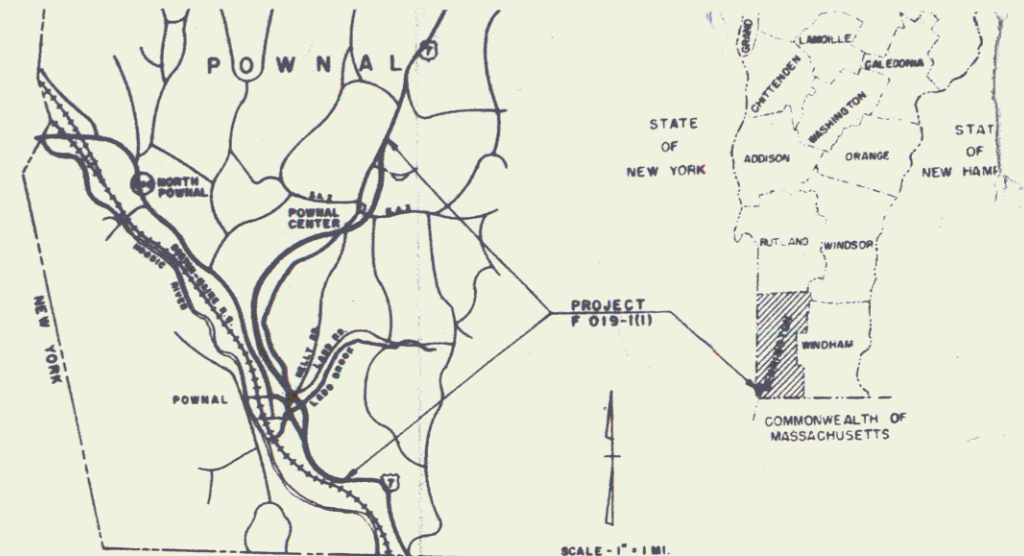
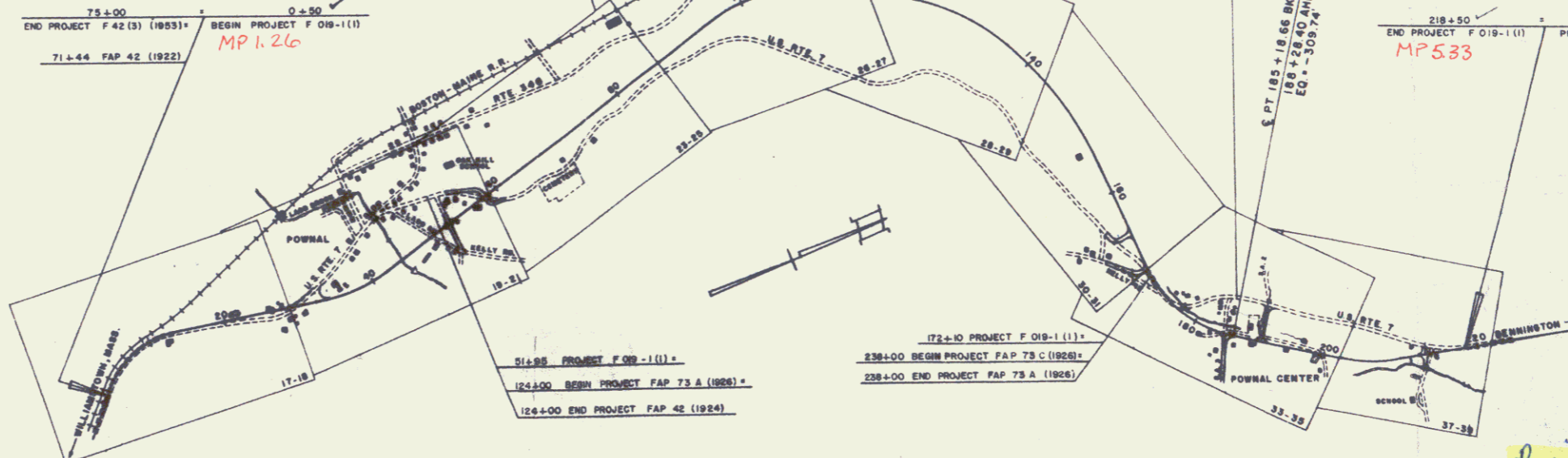
DEPARTMENT OF HIGHWAYS
PROPOSED IMPROVEMENT
 FEDERAL AID PROJECT
TOWN OF POWNAL
 COUNTY OF BENNINGTON
U.S. ROUTE 7
POWNAL - POWNAL CENTER

BEGINNING 1.27 MILES NORTH OF THE MASSACHUSETTS - VERMONT STATE LINE AND EXTENDING NORTHERLY 21,490.26 FEET TO POWNAL CENTER

LENGTH OF PROJECT 21,490.26 FEET = 4.070 MILES

DESIGN DESIGNATION

ADT (1985) 2400
 ADT (1980) 4000 - 5660
 DNV (1980) 530 - 710
 D = 67 %
 T = 9 %
 V = 60 M.P.H.



PROJECT NAME & NUMBER	TYPE	PAVEMENT AREA
POWNAL F 019-1(1)	BITUMINOUS CONC. PAVEMT	75,100 S.Y.

RECORD PLANS
 MATERIALS
 SUBBASE OF GRAVEL - HART PIT & WALSH PIT - POWNAL, VERMONT.
 SUBBASE OF SAND - HART PIT - POWNAL, VERMONT.
 GRAVEL BACKFILL - WALSH PIT - POWNAL, VERMONT.
 REFINED TAR - OLD COLONY TAR CO. - WORCESTER, MASSACHUSETTS.
 CUTBACK ASPHALT & ASPH. CEMENT - MOBIL OIL CO. - PROVIDENCE, R.I.
 BIT. CONC. PAVMT. - MOHAWK STONE PRODUCTS INC. - N. ADAMS, MASS.
 A.C.C.G.M.P. PIPE - NEW ENGLAND METAL CULVERT CO. - WHITE RIVER JCT., VT.
 CABLE GUARD RAIL & STEEL GUIDE POSTS - S.T. GRISWOLD & CO. INC. - ESSEX JCT., VT.
 CONTRACTOR: S.V. ROSSI CONST. CO. INC. TORRINGTON CONN.
 RESIDENT ENGINEER - R.W. BUTLER
 INSPECTOR - A.B. DELANO
 RECORD PLANS - R.W. BUTLER.

CONTRACT: DECEMBER 23, 1959
 DATED - MARCH 4, 1960
 STARTED - MARCH 4, 1960
 COMPLETED - SEPT. 8, 1961
 ACCEPTED - SEPT. 8, 1961

Pin # 99R528

Project No. F 019-1(1)

CONTRACTOR: S.V. ROSSI CONST. CO. INC.
 TORRINGTON, CONN.
 YEAR 1959-61
 LOCATION: Beginning 1.27 miles north of the Massachusetts-Vermont State Line and extending northerly 21,490.26 feet to Pownal Center.

CONTRACTOR: S.V. ROSSI CONST. CO. INC.
 TORRINGTON, CONN.
 RECORD PLANS - R.W. BUTLER
 COMPLETED - SEPTEMBER 8, 1961.

ITEM	DESCRIPTION	DATE
1	GROUND ELEVATION	
2	CURVE DATA	
3	DEFLECTION OF ANGLE	A
4	CHORD BEARS OF CURVE	D
5	RADIUS OF CURVE	R
6	TANGENT DISTANCE	T
7	LENGTH OF CURVE	L
8	EXTERNAL DISTANCE	E
9	POINT OF INTERSECTION	P.I.
10	POINT OF CURVE	P.C.
11	POINT OF TANGENT	P.T.
12	POINT ON TANGENT	P.O.T.
13	POINT ON SUB-TANGENT	P.O.S.T.

SCALES

TITLE	1" = 1,000'
TYPICAL	" AS NOTED
PLAN	1" = 50'
PROFILE	1" = 10'
CROSS-SECTIONS	1" = 10'

PREPARED AND RECOMMENDED
 WILLIAM H. McFARLAND CONSULTING ENGINEER DATE April 16, 1959
 STATE OF VERMONT LICENSE NO. 372

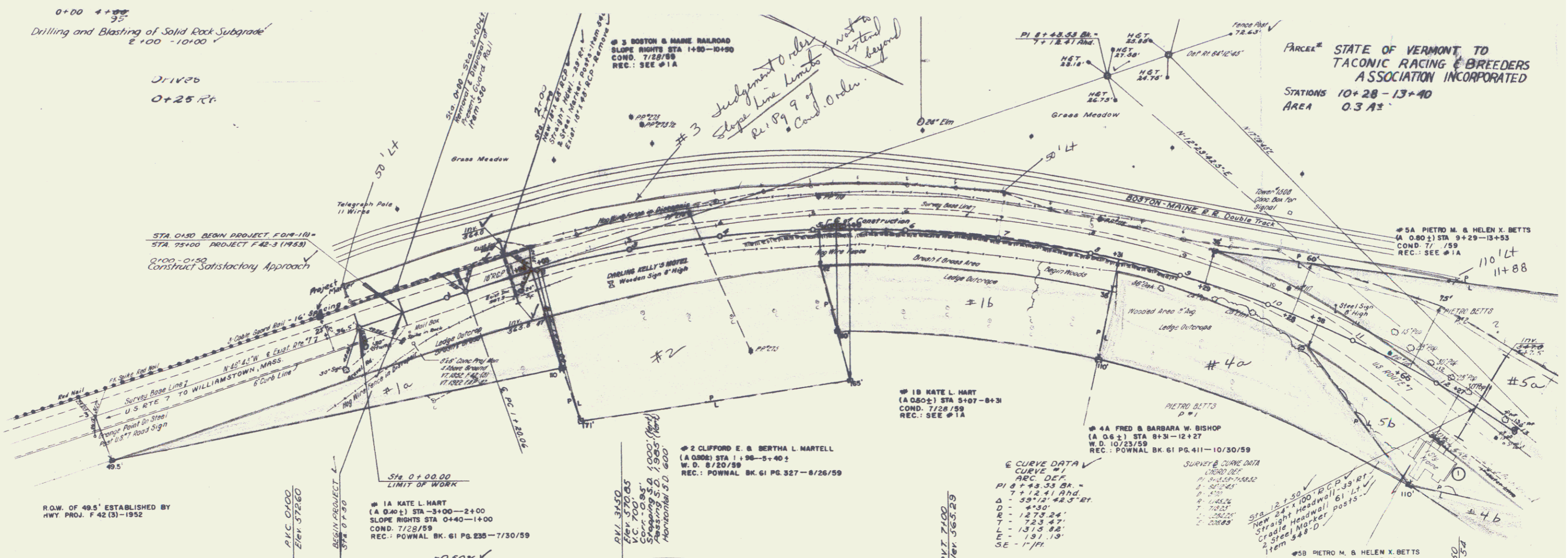
THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION OF JANUARY 1956 SUBMITTED TO THE BUREAU OF PUBLIC ROADS AS APPROVED JULY 5, 1956 INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED: [Signature] DATE May 6, 1959
 APPROVED: [Signature] DATE May 11, 1959
 APPROVED: [Signature] DATE May 11, 1959

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 DIVISION ENGINEER
 PROJECT: GENERAL NO. F 019-1(1)
 SHEET 1 OF 275 SHEETS

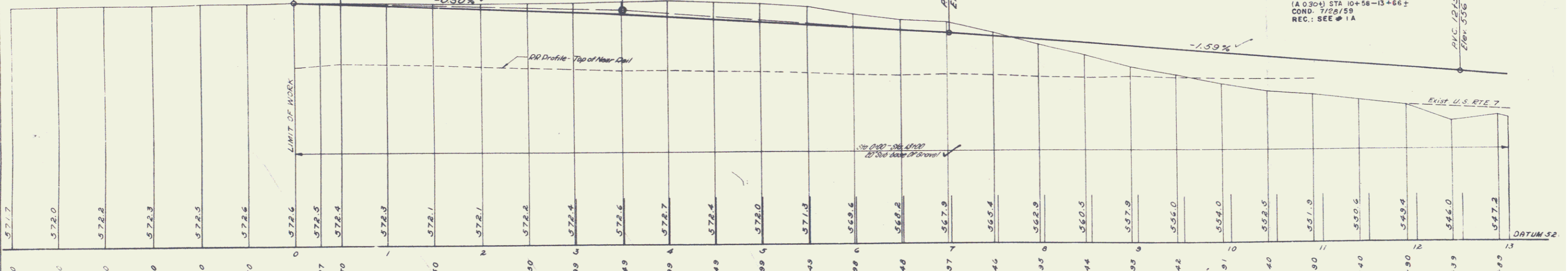
0+00 to 4+35
 Drilling and Blasting of Solid Rock Subgrade
 E +00 -10+00

Drives
 0+25 Rt.



PARCEL STATE OF VERMONT TO
 TACONIC RACING & BREEDERS
 ASSOCIATION INCORPORATED
 STATIONS 10+28 - 13+40
 AREA 0.3 A±

R.O.W. OF 49.5' ESTABLISHED BY
 HWY PROJ. F 42 (3)-1952

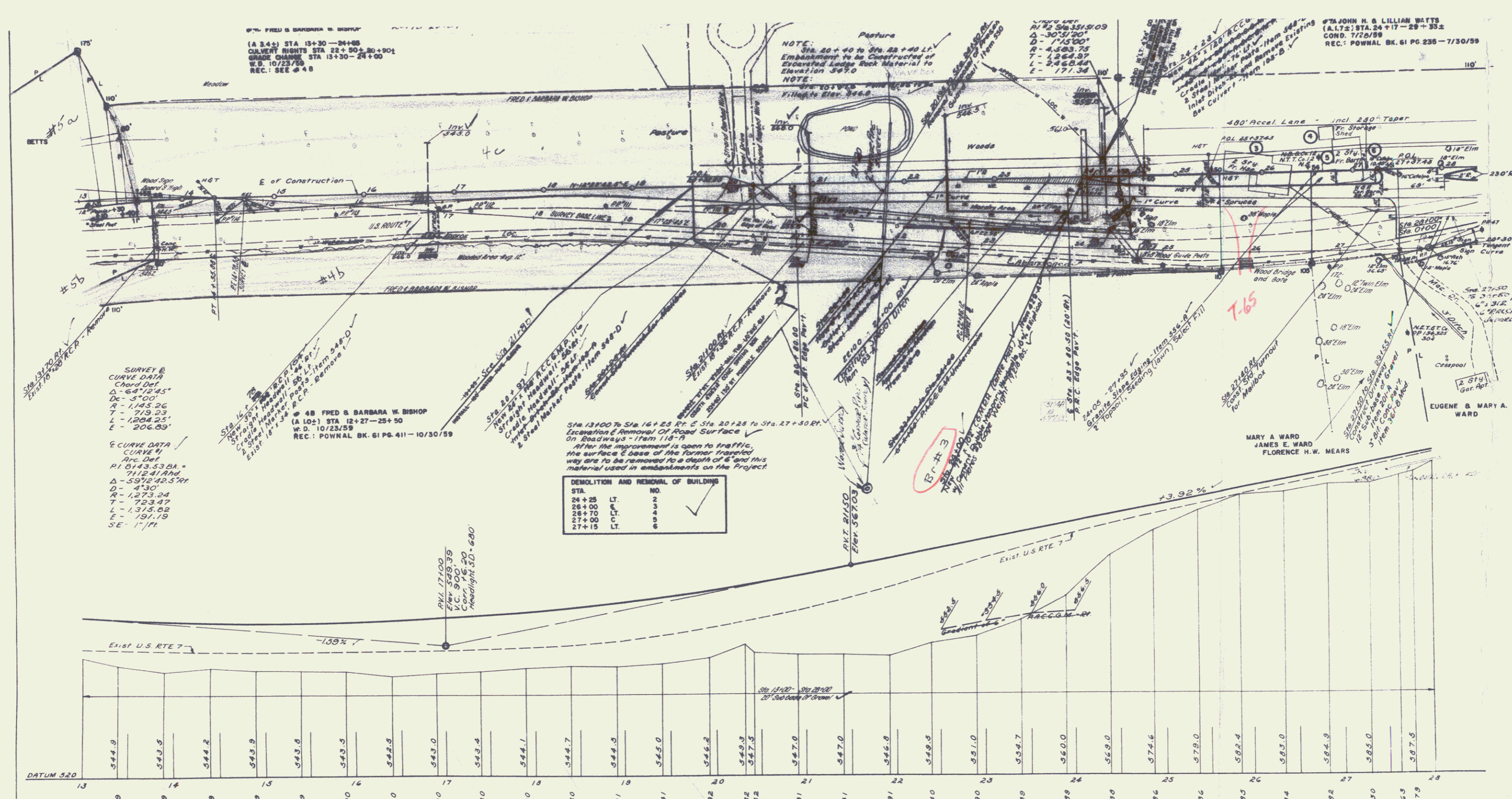


Curve Data
 CURVE #1
 ARC DEF
 PI @ 7+43.33 BR.
 Δ = 39°12' 42.5" RT.
 D = 45.0'
 E = 1273.24'
 T = 723.49'
 L = 1313.82'
 E = 131.19'
 SE = 17°11'

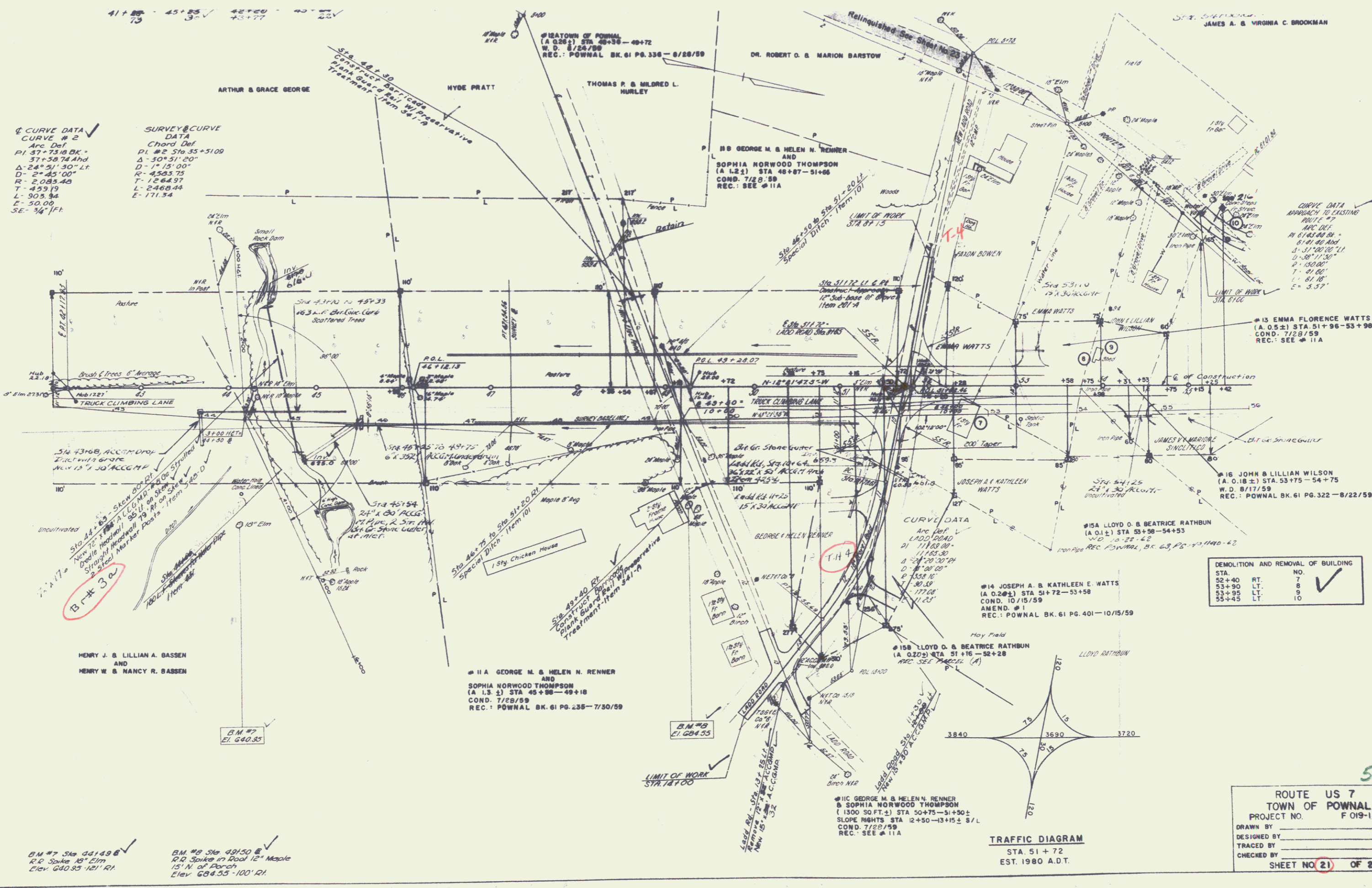
Survey & Curve Data
 CURVE #1
 PI @ 7+43.33 BR.
 Δ = 39°12' 42.5" RT.
 D = 45.0'
 E = 1273.24'
 T = 723.49'
 L = 1313.82'
 E = 131.19'
 SE = 17°11'

BM #1, Sta 615 @
 RR Spikes in Root 24" Elm
 Across B&M RR Tracks
 Elev. 552.83 (100 ft)

ROUTE US 7
 TOWN OF POWNAL
 PROJECT NO. FO19-1(1)
 DRAWN BY _____
 DESIGNED BY _____
 TRACED BY _____
 CHECKED BY _____
 SHEET NO. 17 OF 17



41+85 - 45+85 / 3-V
 42+00 - 45+77 / 2-V



CURVE DATA
 CURVE # 2
 Arc Def
 PI 37+73.10 BK
 37+50.74 Ahd
 Δ 26° 31' 30" LR
 D = 245.00'
 R = 2,035.40
 T = 493.19
 L = 903.92
 E = 50.00
 SE = 34.14'

SURVEY CURVE DATA
 Chord Def
 PI #2 Sta 35+31.00
 Δ = 50° 51' 20"
 D = 175.00'
 R = 4,503.75
 T = 264.97
 L = 2,468.44
 E = 171.34

CURVE DATA
 APPROACH TO EXISTING
 ROUTE #7
 Arc Def
 PI 61+00.00 BK
 61+00.00 Ahd
 Δ 31° 00' 00" LR
 D = 307.180'
 R = 1,000.00'
 T = 91.00'
 L = 81.10'
 E = 3.57'

DEMOLITION AND REMOVAL OF BUILDING	
STA	NO
52+40 RT.	7
53+90 LT.	8
53+95 LT.	9
55+45 LT.	10

TRAFFIC DIAGRAM
 STA 51+72
 EST. 1980 A.D.T.

ROUTE US 7
 TOWN OF POWNAL
 PROJECT NO. F 019-1(11)
 DRAWN BY _____
 DESIGNED BY _____
 TRACED BY _____
 CHECKED BY _____
 SHEET NO. (21) OF 275

BM #7 Sta 44143
 R.D. Spikes 40' Elm
 Elev. 640.35 (21) R1

BM #9 Sta 49150
 12' Spikes 17' Road 12' Maple
 15' N. of Porch
 Elev. 684.55-100' R1

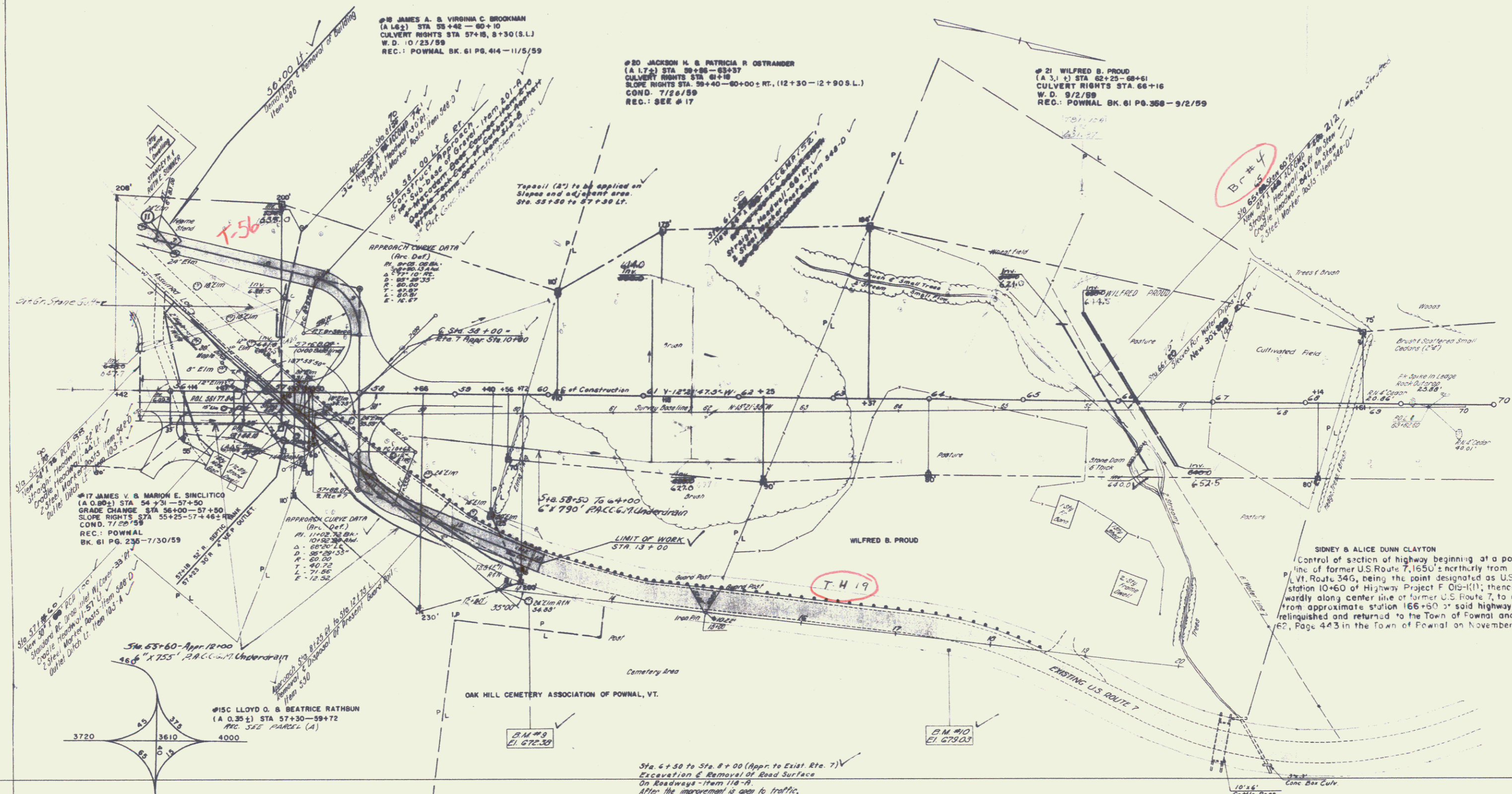
Control way in the center line of former U.S. Route 7, 95'± northerly from its intersection with Vt. Route 345, being approximate survey station 116+65 of U.S. Route 7 (Project F 42-1924) thence 1435'± northerly along center line of said highway and along the center line of U.S. Route 7 Approach as established by Highway Project F 019-1(1) to a point approximately 60' westerly from approximate survey station 58+00 of Highway Project F 019-1(1), said point being U.S. Route Approach center line station 9+40, is hereby relinquished and returned to the Town of Pownal and recorded in Book 62, Page 443 in the Town of Pownal on November 27, 1961.

THREE CABLE BOARD ON W/STEEL POSTS
LEFT
STA 58+55 - STA 60+60
STA 58+55 - STA 59+00
STA 59+00 - STA 59+25

STEEL GUIDE POSTS
RIGHT
STA 59+25 - STA 61+25

CONSTRUCT DRIVES
STATION
38760

Drilling and Blasting of
Solid Rock Subgrade, Item 11A, Mod.
07'00" - 70'00"
10'00" - 12'00" etc.



TRAFFIC DIAGRAM
STA 58+00
EST. 1980 A.D.T.

B.M. #3 Sta. 60100 B
C.O. Spike in Root 24" Elm
Side Route #7
Elev. 672.38 - Approx. 130' RI

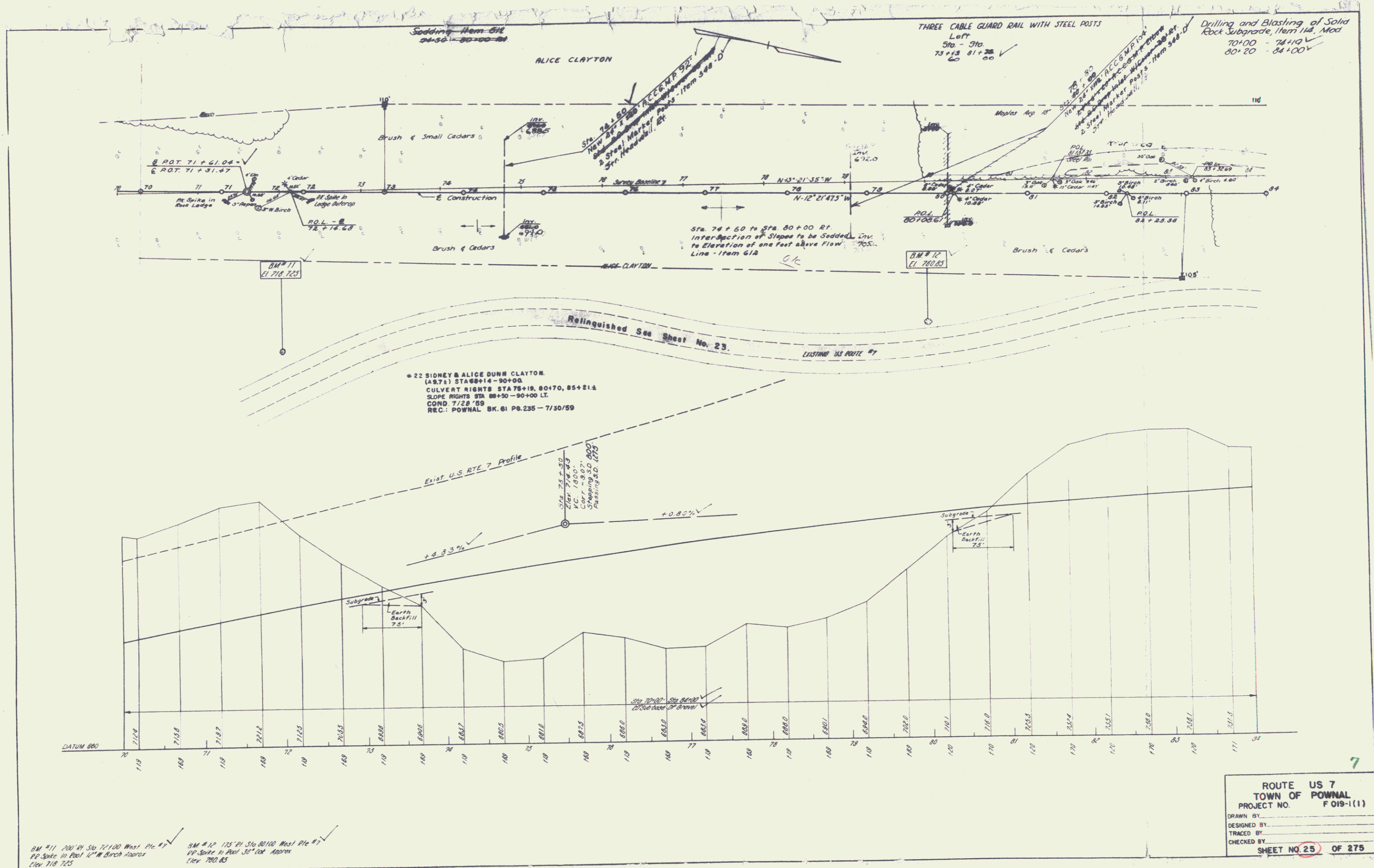
B.M. #10 Sta. 64150 B
Chiseled North End Concrete Retaining Wall
East Side Route #7, Front Oak Hill Cemetery
Elev. 675.03 - 200' RI

Sta. 6+30 to Sta. 8+00 (Appr. to Exist. Rte. 7)
Excavation & Removal of Road Surface
On Roadways - Item 11A-R
After the improvement is open to traffic,
the surface base of the former traveled
way are to be removed to a depth of 6" and this
material used in embankment on the project.

ROUTE US 7
TOWN OF POWNAL
PROJECT NO. F 019-1(1)

DRAWN BY _____
DESIGNED BY _____
TRACED BY _____
CHECKED BY _____

SHEET NO. 23 OF 275

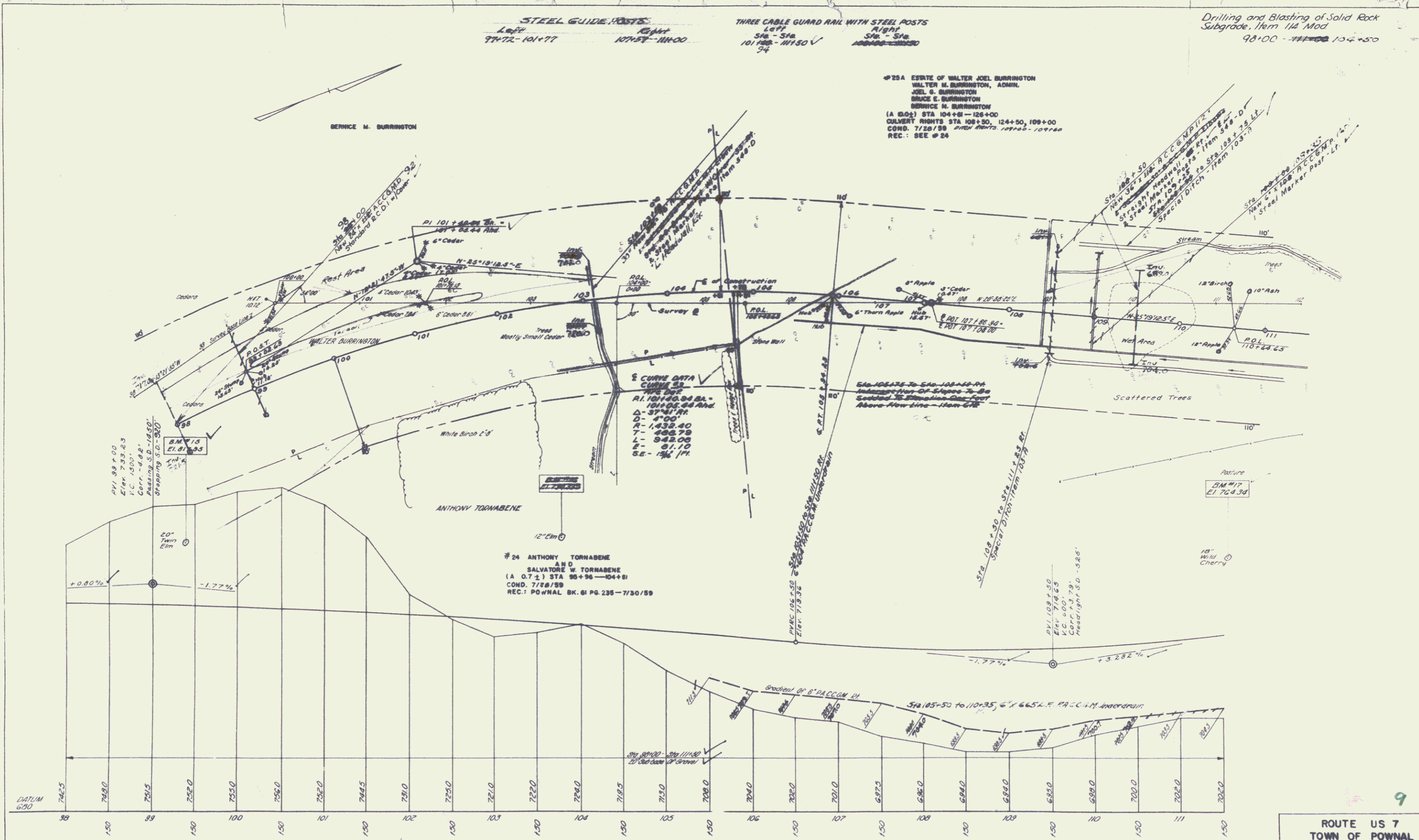


STEEL GUIDE POSTS
 Left Right
 97+72 - 101+77 107+57 - 111+00

THREE CABLE GUARD RAIL WITH STEEL POSTS
 Left Right
 516 - 518 101+88 - 111+50
 54

Drilling and Blasting of Solid Rock
 Subgrade Item 114 Mod
 98+00 - 101+50

#28A ESTATE OF WALTER JOEL BURRINGTON
 WALTER M. BURRINGTON, ADMIN.
 JOEL G. BURRINGTON
 BRUCE E. BURRINGTON
 BERNICE M. BURRINGTON
 (A 002) STA 104+68 - 128+00
 CURVE POINTS STA 108+50, 124+50, 108+00
 COND. 7/28/99 Survey No. 108-108-108-108
 REC: SEE #24



B.M. #15 Sta 97+100
 Elev. 733.83
 I.C. 1500'
 Corr. -0.68
 Z.P. 1500'
 Slope 0.0 - 0.80'

#24 ANTHONY TORHABENE
 AND
 SALVATORE W. TORHABENE
 (A 0.7 ±) STA 98+96 - 104+81
 COND. 7/18/99
 REC: POWNAL BK. 61 PG. 235 - 7/30/99

B.M. #17
 Elev. 704.38
 I.C. 1500'
 Corr. -0.68
 Z.P. 1500'
 Slope 0.0 - 0.80'

DATUM 690
 7462.5
 7491.0
 7515
 7520
 7550
 7560
 7560
 7445
 7510
 7550
 7510
 7220
 7260
 7195
 7250
 7290
 7240
 7200
 7010
 6975
 6960
 6940
 6940
 6950
 6990
 7000
 7020
 7020

B.M. #15 Sta 97+100
 2.0 Spikes on Road 20' Twin Elm
 Elev. 717.85 - 175' RI

B.M. #17 Sta 111+10
 2.0 Spikes on Trunk 15' Wild Cherry
 Elev. 704.38 - 300' RI

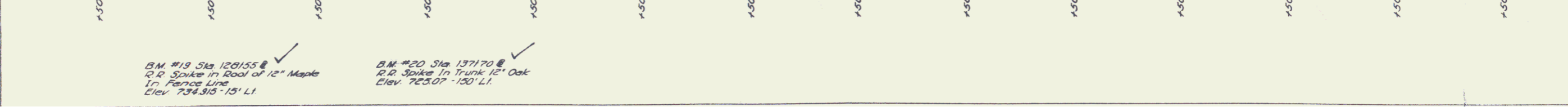
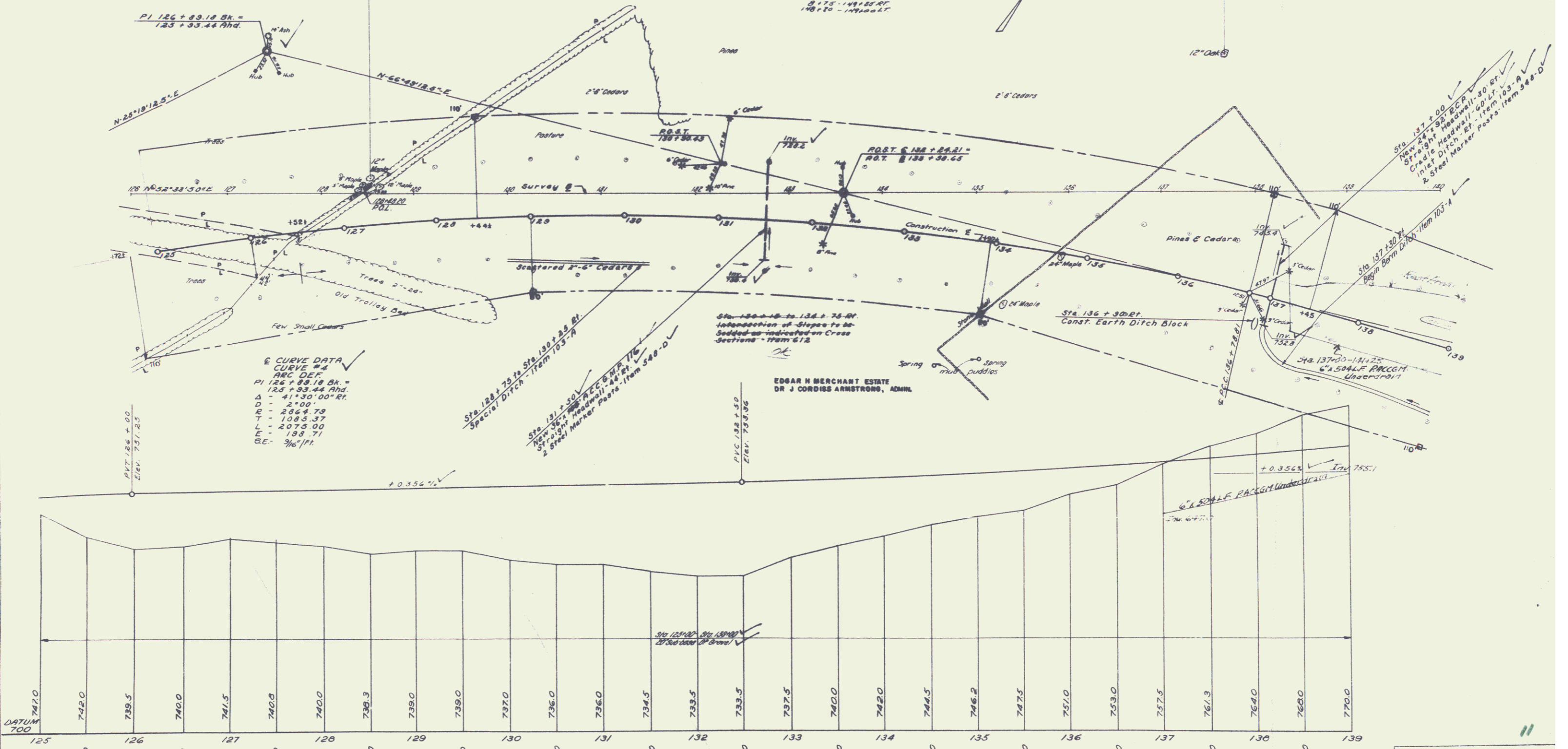
ROUTE US 7
 TOWN OF POWNAL
 PROJECT NO. F 019-1(1)
 DRAWN BY _____
 DESIGNED BY _____
 TRACED BY _____
 CHECKED BY _____
 SHEET NO. 27 OF 27

4250 ESTATE OF WALTER JOEL BURRINGTON
 WALTER H. BURRINGTON ADMIN.
 JOEL & BURRINGTON
 BRUCE E. BURRINGTON
 BERNICE H. BURRINGTON
 (A-0704) STA. 123+29-128+44.4
 CULVERT RIGHTS STA 124+00,
 COND. 7/30/59
 REC.: POWNAL BK. 61 PG. 235-7/30/59

THREE CABLE GUARD RAIL W/STEEL POSTS
 Left Right
 Sta. 125+00 Sta. 126+00
 156+86 156+86

Drilling and Blasting of Solid
 Rock Subgrade, Item 114 Mod
 137+00 - 139+00

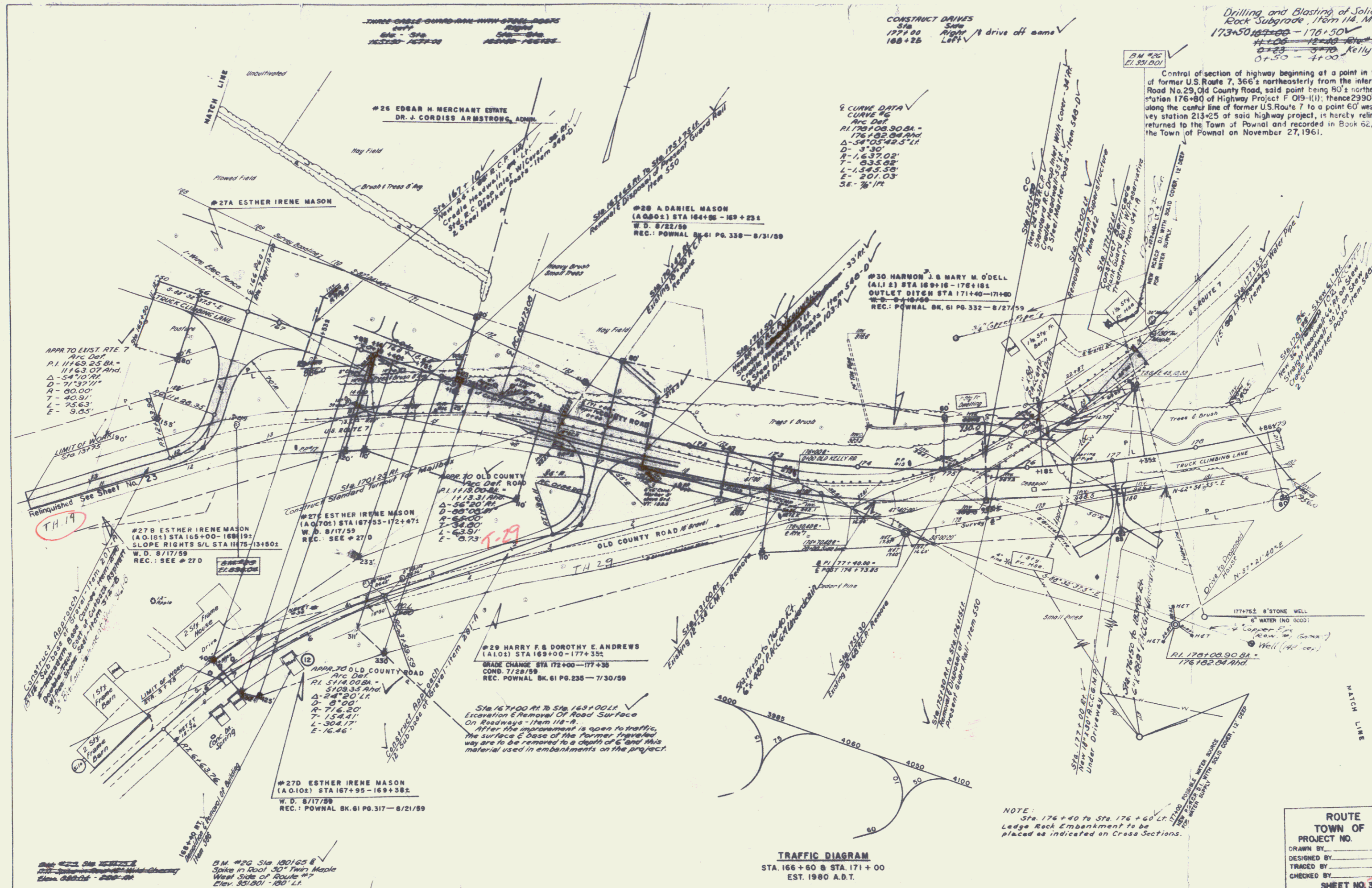
EDGAR H MERCHANT ESTATE
 DR J GORDIS ARMSTRONG, ADMIN.
 1A 15.50 STA 124+72-160+55
 CULVERT RIGHTS STA 131+50, 137+00, 143+50, 159+150
 COND. AMEND. #1 10/18/60
 REC.: POWNAL BK. 62 PG. 162-10/18/60
 DATED 10/17/60
 S + 15 - 149+85 RT
 148+10 - 149+85 LT



B.M. #19 Sta 120+55 &
 R.R. Spike in Roof of 12" Maple
 In Fence Line
 Elev. 734.38 - 15' L.I.

B.M. #20 Sta 137+70 &
 R.R. Spike in Trunk 12" Oak
 Elev. 765.07 - 150' L.I.

ROUTE US 7
 TOWN OF POWNAL
 PROJECT NO. F 019-1 (1)
 DRAWN BY: _____
 DESIGNED BY: _____
 TRACED BY: _____
 CHECKED BY: _____
 SHEET NO. 29 OF 275



CONSTRUCT DRAINS
 STA 177+00 Right / drive off same
 166+25 Left

Drilling and Blasting of Solid Rock Subgrade, Item 114, Mod
 173+50 to 176+50
 0+25 - 3+70 Kelly Rd
 0+50 - 4+00

Control of section of highway beginning at a point in the center line of former U.S. Route 7, 366± northeasterly from the intersection of Town Road No. 29, Old County Road, said point being 90± northerly from survey station 176+80 of Highway Project F 019-1(1); thence 2990± northeasterly along the center line of former U.S. Route 7 to a point 60± westerly from survey station 213+25 of said highway project, is hereby relinquished and returned to the Town of Pownal and recorded in Book 62, Page 443 in the Town of Pownal on November 27, 1961.

9 CURVE DATA
 CURVE #6
 Arc Def
 R1 170+00.90 BA -
 176+02.00 BA
 Δ-54°05'42.5" LT
 D- 3'30"
 R- 1,637.02'
 T- 83.5.02'
 L- 1.348.59'
 E- 201.03'
 SE- 76°17'

APPR TO EXIST RTE 7
 Arc Def
 P.I. 11163.25 BA -
 11163.07 And.
 Δ-54°10'11"
 D- 7'13.01"
 R- 60.00'
 T- 40.91'
 L- 75.63'
 E- 9.05'

APPR TO OLD COUNTY ROAD
 Arc Def
 P.I. 11118.00 BA -
 11133.31 And.
 Δ-56°20'11"
 D- 65.00"
 R- 65.00'
 T- 34.00'
 L- 63.91'
 E- 0.73'

#29 HARRY F. & DOROTHY E. ANDREWS
 (A.O. 101) STA 169+00 - 177+35
 W.D. 7/28/59
 REC. POWNAL BK. 61 PG. 236 - 7/30/59

#27D ESTHER IRENE MASON
 (A.O. 102) STA 167+95 - 169+382
 W.D. 8/17/59
 REC. POWNAL BK. 61 PG. 317 - 8/21/59

TRAFFIC DIAGRAM
 STA. 166+80 & STA. 171+00
 EST. 1960 A.D.T.

NOTE:
 Sta. 176+40 to Sta. 176+60 LT
 Ledge Rock Embankment to be
 placed as indicated on Cross Sections.

ROUTE US 7
 TOWN OF POWNAL
 PROJECT NO. FO19-1(1)
 DRAWN BY _____
 DESIGNED BY _____
 TRACED BY _____
 CHECKED BY _____
 SHEET NO. 33 OF 275

Sheet 33 of 275
 11/23/59
 11/23/59
 11/23/59

B.M. #20 Sta 100165 &
 Spike in Pool 30' Twin Maple
 West Side of Route 77
 Elev. 351.901 - 180' Lt.

14

THREE-GALVE-GAUGE-RAIL-WHEEL-POOPS
 182+00 RT. 13
 182+20 E. 14

STA.	NO.
182+00	RT. 13
182+20	E. 14

Drilling and Blasting of Solid
 Rock Subgrade from 14' to 14' 6"

182+00 - 182+00
 182+00 - 182+00
 182+00 - 182+00

E CURVE DATA
 CURVE # 5
 ARC DEF.
 PI 178 + 08.50 OR.
 R 178 + 08.50 OR.
 Δ - 34° 05' 42.5" LR
 D - 3' 38"
 E - 1637.02'
 T - 835.82'
 L - 1545.33'
 E - 201.03'
 S.E. - 78° 17'

3 HAROLD R. & RACHEL P.
 (A. 1.7) STA 177+00
 W.D. 8/28/59
 REC.: POWNAL BK. 61 PG. 382
 9/12/59

32 HARRY E. & ESTHER F. MILES
 (A. 1.02) STA 178+00-184+31
 W.D. 8/31/59
 REC.: POWNAL BK. 61 PG. 356-8/31/59

33 CLYDE A. PECKHAM
 (2700 SQ. FT. ±) STA. 9/L 11+20-12+68
 GRADE CHANGE STA 11+20-12+68
 W.D. 8/31/59
 REC.: POWNAL BK. 61 PG. 388
 8/31/59

54 CLYDE A. PECKHAM
 (A. 1.02) STA. 11+20-12+68 S/L
 W.D. 10/26/60
 REC.: POWNAL BK. 60 PG. 183-11/2/60

34 RICHARD H. & EVA M. WHITE
 (2268 SQ. FT. ±) STA. 9/L 12+68-15+18
 GRADE CHANGE S/L STA 12+68-15+18
 SLOPE RIGHTS STA 13+16-15+65
 W.D. 8/27/59
 REC.: POWNAL BK. 61 PG. 338-8/27/59

35 NED A. & DOROTHY F. TOWBLEE
 SLOPE RIGHTS STA. 9/L 14+18-17+50
 W.D. 8/20/59
 REC.: POWNAL BK. 61 PG. 357-9/5/59

STATE OF VERMONT TO TOWN OF POWNAL
 (A. 0.202) STA. 181+50-192+08
 O. G. S. 8/11/59
 REC.: POWNAL BK. 61 PG. 280-11/9/59

37A WALTER M. & WINFRED M. LAMPMAN
 (A. 0.202) STA 186+48-190+18
 GRADE CHANGE STA 186+48-190+18
 S/L STA 10+00-12+88
 COND. 7/28/59
 REC.: POWNAL BK. 61 PG. 235-7/30/59

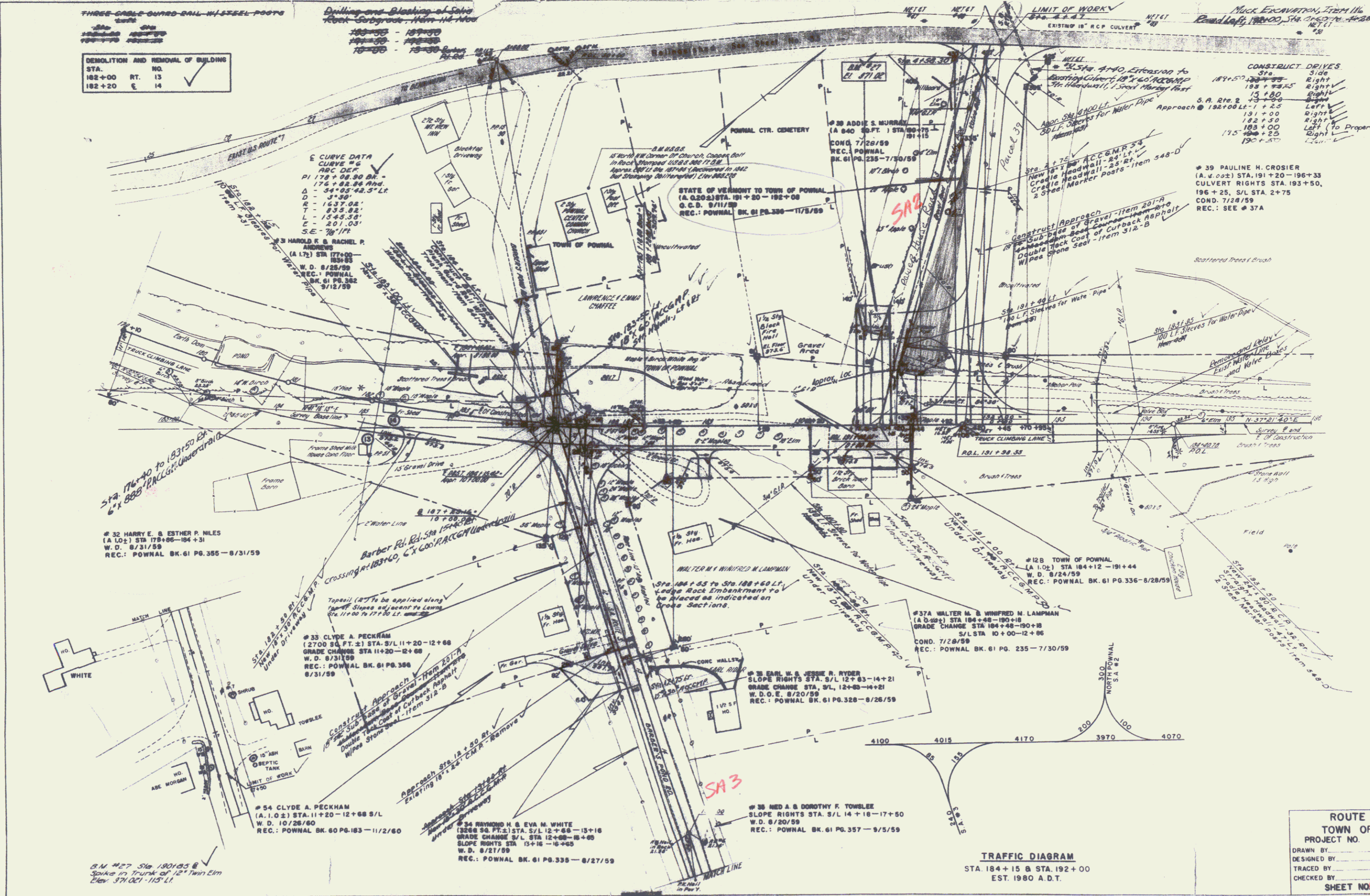
38 EARL W. & JESSE R. RYDER
 SLOPE RIGHTS STA. 9/L 12+83-14+21
 GRADE CHANGE STA. 9/L 12+83-14+21
 W.D. O. E. 8/20/59
 REC.: POWNAL BK. 61 PG. 328-8/26/59

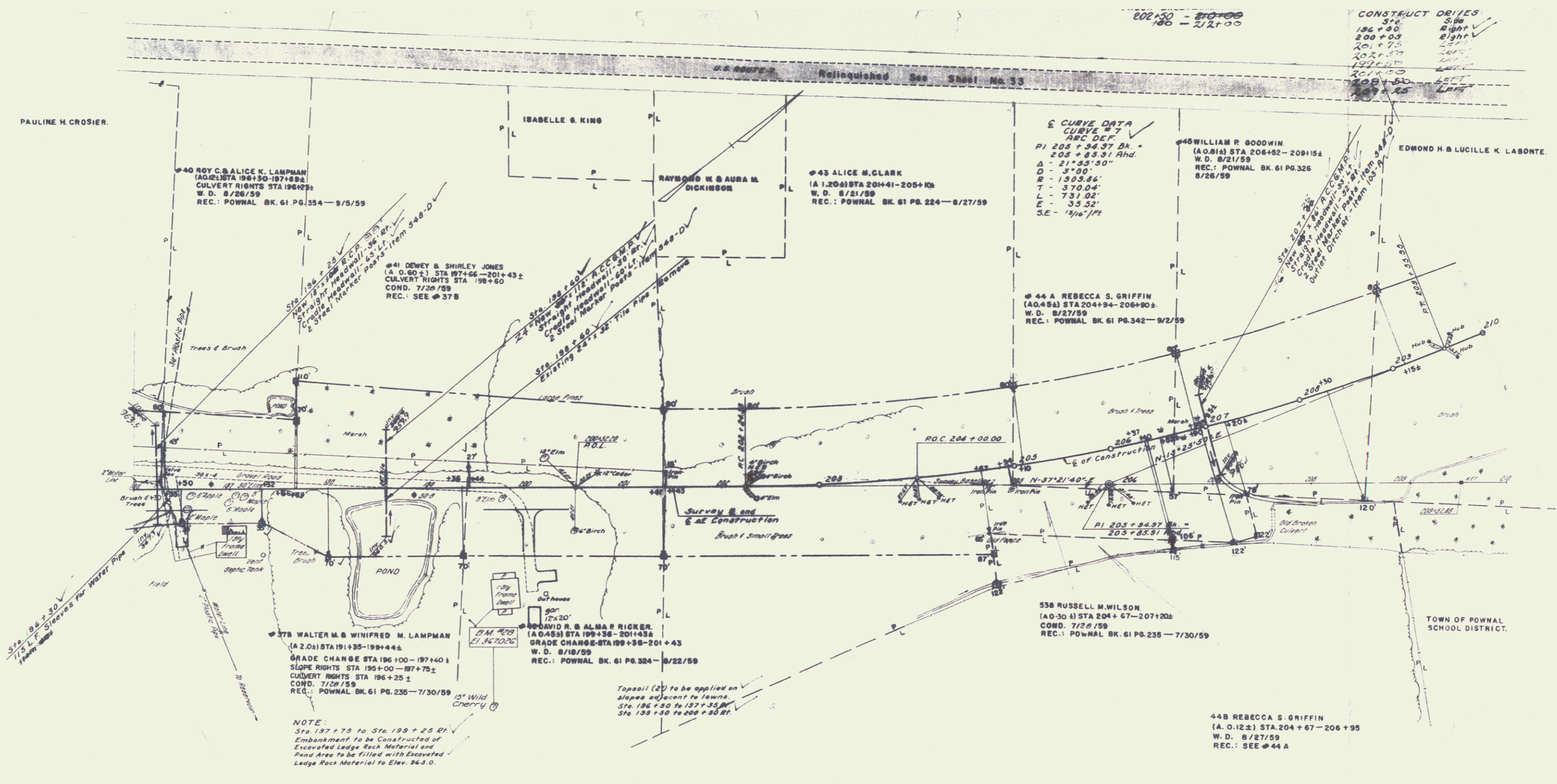
12B TOWN OF POWNAL
 (A. 1.02) STA 184+12-191+44
 W.D. 8/24/59
 REC.: POWNAL BK. 61 PG. 336-8/28/59

39 PAULINE M. CROSIER
 (A. 0.202) STA. 191+20-196+33
 CULVERT RIGHTS STA. 193+50,
 196+25, S/L STA 2+75
 COND. 7/28/59
 REC.: SEE # 37A

TRAFFIC DIAGRAM
 STA 184+15 & STA. 192+00
 EST. 1980 A.D.T.

ROUTE US 7
 TOWN OF POWNAL
 PROJECT NO. F019-111
 DRAWN BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____
 SHEET NO. 35 OF 275

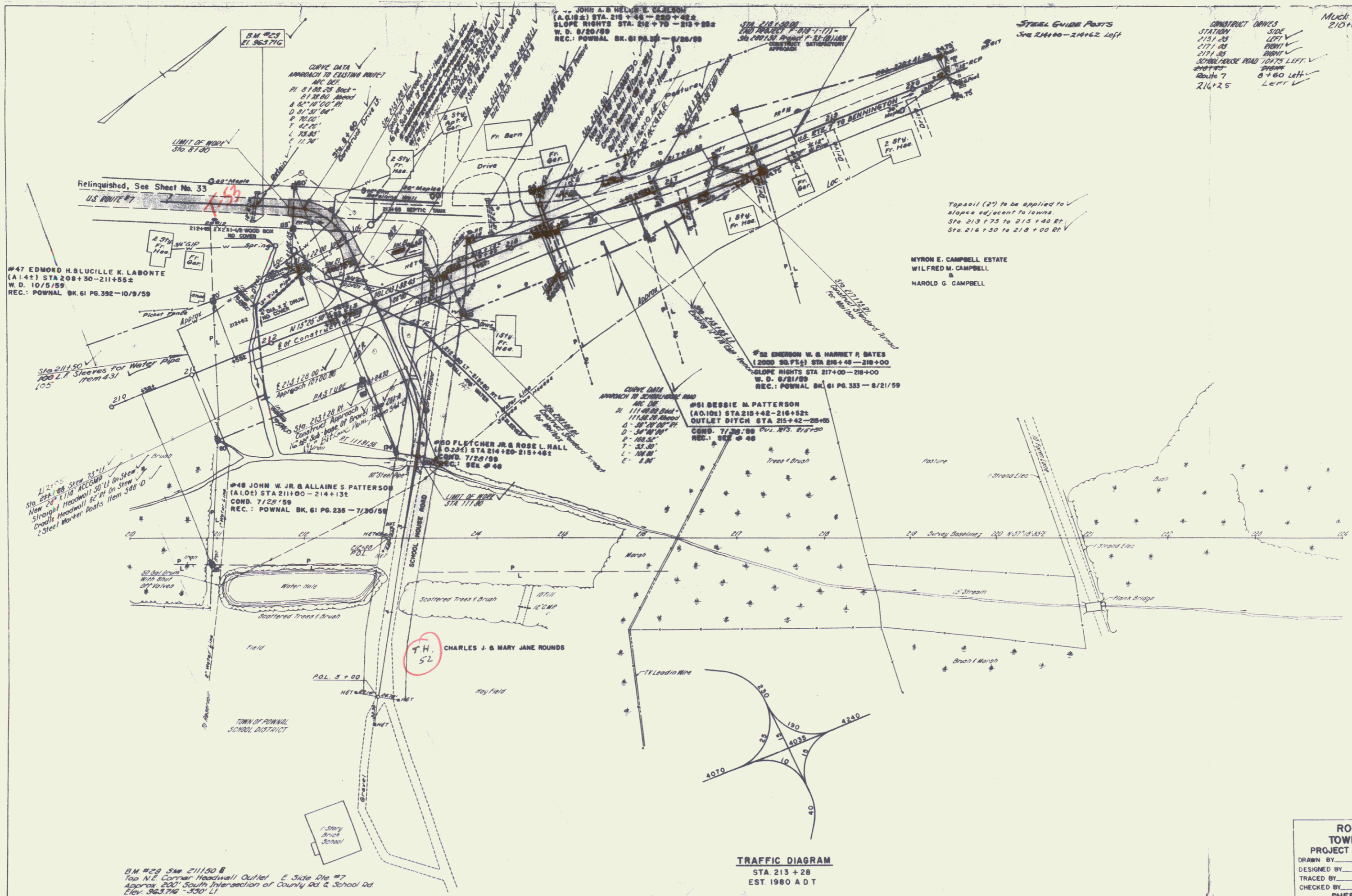




DM #20 Sta 189160 @
 O.D. Spike in Trunk 15" Wild Cherry
 Behind Gray Shingle House
 Elev. 9670.26 - Approx 2.25' DI

16

ROUTE US 7
TOWN OF POWNAL
 PROJECT NO. F 019-1(1)
 DRAWN BY _____
 DESIGNED BY _____
 TRACED BY _____
 CHECKED BY _____
 SHEET NO. 37 OF 275



Muck Excavation Item 10
210+00 - 212+00
+00

STATION	SIDE
215+35	LEFT
217+35	RIGHT
217+35	RIGHT
SCHOOLHOUSE ROAD	LEFT
Route 7	RIGHT
216+25	Left

#47 EDMOND H. & LUCILLE K. LABORTE
(A.145) STA 208+30 - 211+55.2
W. D. 10/5/59
REC.: POWNAL BK. 61 PG. 392 - 10/9/59

JOHN A. & HELEN E. CLARSON
(A.618) STA. 215+70 - 218+88.2
SLOPE RIGHTS STA. 215+70 - 218+88.2
W. D. 8/29/59
REC.: POWNAL BK. 61 PG. 325 - 8/29/59

#52 EMMERSON W. & HARRIET R. BATES
(2000 S.D.F.E.) STA 216+48 - 218+00
SLOPE RIGHTS STA 217+00 - 218+00
W. D. 8/21/59
REC.: POWNAL BK. 61 PG. 333 - 8/21/59

#51 BESSIE M. PATTERSON
(A.O.105) STA 218+42 - 216+52.2
OUTLET DITCH STA 215+42 - 25+00
COND. 7/25/59
REC.: REC. # 48

CHARLES J. & MARY JANE ROUNDS

#48 JOHN W. JR. & ALLAIN'S PATTERSON
(A.102) STA 211+00 - 214+131
COND. 7/25/59
REC.: POWNAL BK. 61 PG. 235 - 7/25/59

212+75
Sta. 212+75
New 24" x 18" ACCURAD
Straight Headwall 82' 21" On skew
2 Steel Manhole Posts

BM #29 Sta 211+50
Top N.E. Corner Headwall Outlet E Side Ditch #7
Approx. 200' South Intersection of County Rd & School Rd
Elev. 363.716 - 363.71

TRAFFIC DIAGRAM
STA 213+28
EST 1980 A D T

17

ROUTE US 7
TOWN OF POWNAL
PROJECT NO. FOIS-1(11)

DRAWN BY _____
DESIGNED BY _____
CHECKED BY _____

SHEET NO. 39