FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	78-E	1930	1	51

INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
" " 2 TYPICAL CROSS-SECTION OF IMPROVEMENT ONE COURSE CEMENT CONCRETE PAVEMENT.
" " 3 DETAILS OF CONSTRUCTION
" " 4 PLAN AND PROFILE STA. 323+00 - 478+00
" " 16 STAND. STRUCTURES SHEET S-20 PIPE CULVERTS
" " 17 " " " S-21 BOX CULVERTS
" " 18 " " " S-22 GUARD RAIL ETC.
" " 19 " " " CURB GUTTER ETC.
" " 20 - 23 CULVERT CROSS SECTION SHEETS
" " 24 - 51 CROSS SECTION SHEETS STA 323+00 - 478+00

STATE OF VERMONT

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT

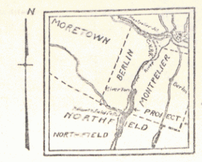
Pin # 99R 994

TOWNS OF BERLIN-NORTHFIELD

MONTPELIER-NORTHFIELD ROAD RE VT 12

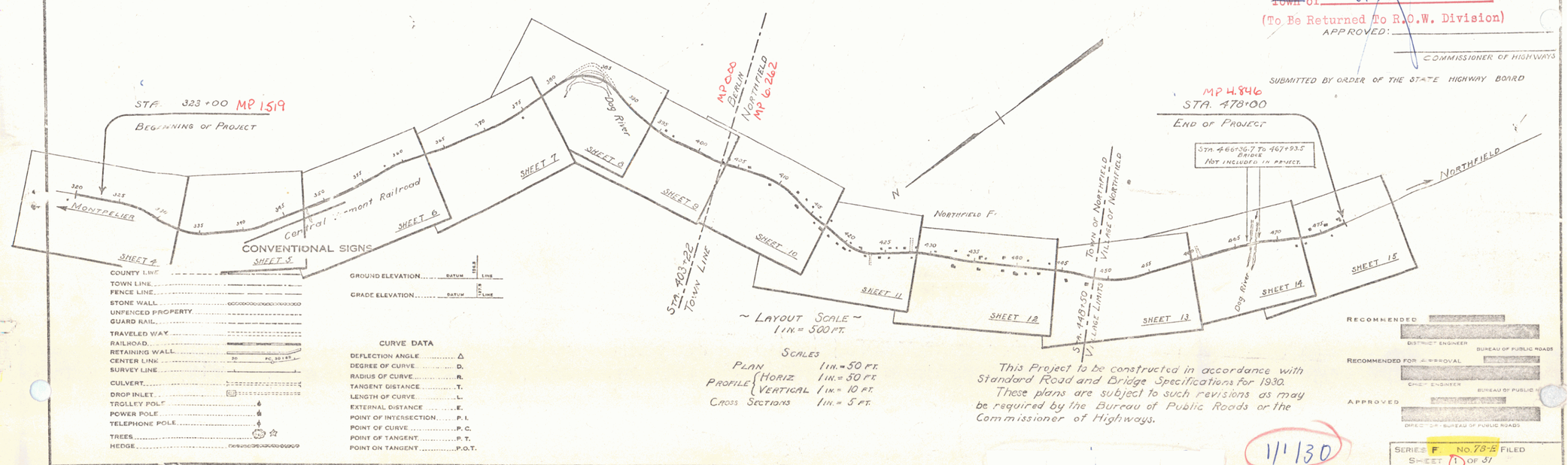
FROM A POINT 250 FT. SOUTH OF HOUSE OF MRS. W.L. PEAKE SOUTHERLY TO A POINT 1,006.5 FT. SOUTH OF BRIDGE OVER DOG RIVER.

LENGTH OF PROJECT 15,238.1 FT. = 2.886 MILES.



SCALE 1 IN. = 4 MI.

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of VT 12
(To Be Returned To R.O.W. Division)
APPROVED:
COMMISSIONER OF HIGHWAYS
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD



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

GROUND ELEVATION ..... DATUM 1929 LINE
GRADE ELEVATION ..... DATUM 1929 LINE

CURVE DATA

DEFLECTION 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.

~ LAYOUT SCALE ~
1 IN. = 500 FT.

SCALES

PLAN		1 IN. = 50 FT.
PROFILE	HORIZ	1 IN. = 50 FT.
	VERTICAL	1 IN. = 10 FT.
CROSS SECTIONS		1 IN. = 5 FT.

This Project to be constructed in accordance with Standard Road and Bridge Specifications for 1930. These plans are subject to such revisions as may be required by the Bureau of Public Roads or the Commissioner of Highways.

RECOMMENDED
DISTRICT ENGINEER BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER BUREAU OF PUBLIC ROADS
APPROVED
DIRECTOR BUREAU OF PUBLIC ROADS

1/1/30

SERIES F NO. 78-E FILED
SHEET 1 OF 51

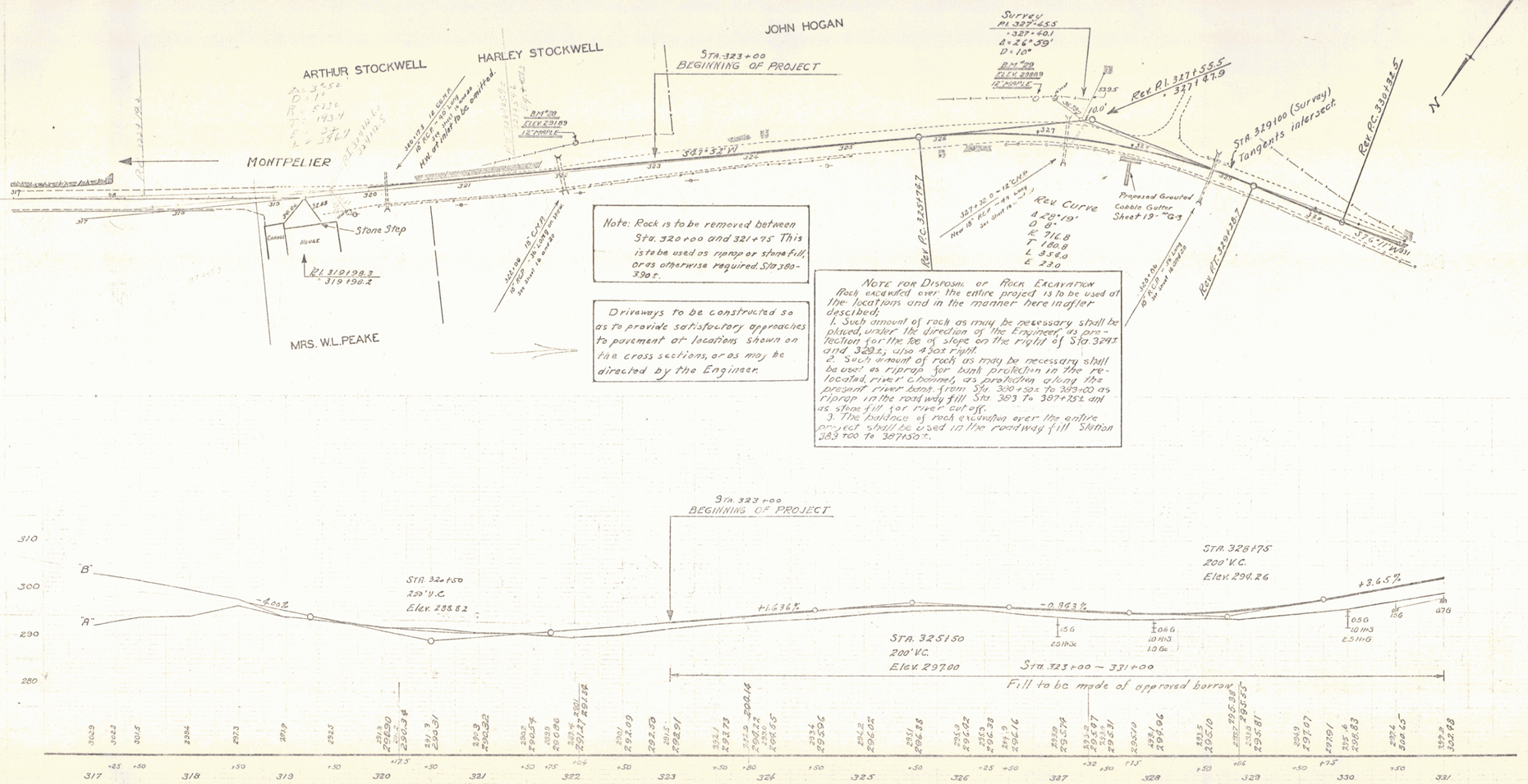
Wood Guard Rail Required		
Culv. Sta.	Lt.	Rt.
320+17.5	24'	24'
323+00	24'	-
327+32	24'	-
328+86	24'	-

Cable Guard Rail Required		
Stations	Lt.	Rt.
321+93 - 324+96	-	303'
326+80 - 331+00	-	420'

Reinf. Conc. Pipe Culv. Required				
Sta.	Dia.	Leng.	Conc. ft.	Steel
320+17.5	18"	40'	0.8 cy	27 #
322+00	18"	36'	1.8 "	54 #
327+32	18"	48'	1.8 "	54 #
328+86	18"	36'	1.8 "	54 #

Grouted Cobble Gutter		
Sta.	Width	Area
328+00 Rt.	3'-0"	15 sq. yds.

Fed. Aid Project No.		U.S. Route No.	State Route No.	State	Sheet No.	No. Sheets
				VT	78-E 1930	4



B.M. No. 28. Spike in root of 12" Maple, Left of Sta. 322+19. Elev. 291.89
B.M. No. 29. " " " 12" Maple, " " Sta. 324+96. Elev. 298.89

SERIES F No. 78-E
SHEET 1 OF

2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.		78-E 1930	5	

WOOD GUARD RAIL REQUIRED

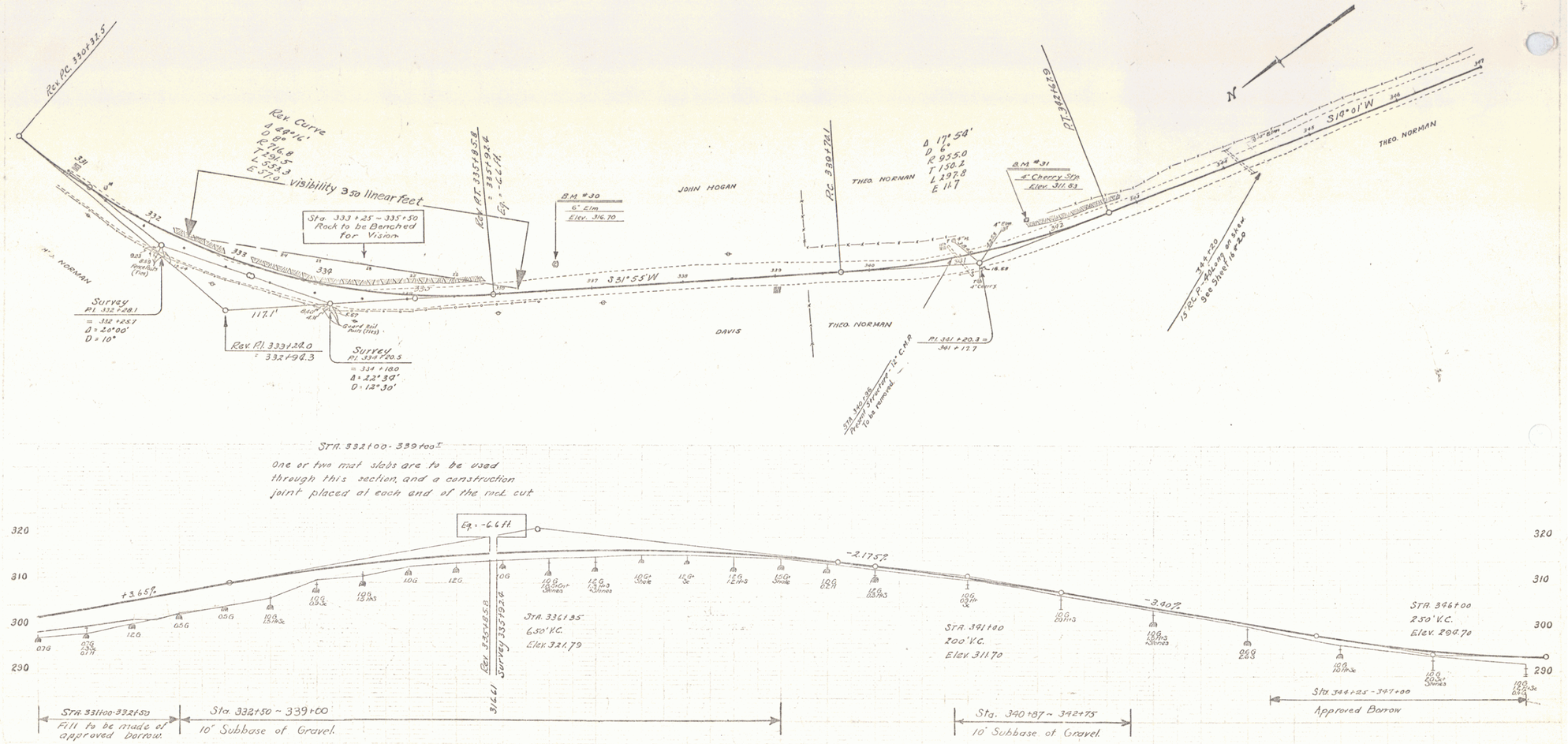
Culv. Sta.	Lt.	Rt.
334+20	29'	25'

CABLE GUARD RAIL REQUIRED

Stations	Lt.	Rt.
331+00 - 334+96	-	596'

REINF. CONC. PIPE CULV. REQUIRED

Sta.	Dia.	Length	Conc. C	Steel
344+20	15"	40	30 c.y.	33#



B.M. #30 Spike in root 6" Elm 26.5 ft. lt. Sta. 336+62. Elev. 316.70
B.M. #31 " " " 4" Cherry Stump 19.0 ft. lt. Sta. 341+77. = 311.53

SERIES F. No. 78-E
SHEET 5 OF

3

U.S. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.		78-E 1930	6	

WOOD GUARD RAIL REQUIRED

Station	Lt.	Rt.
359+10	24'	24'
359+28	24'	24'

CABLE GUARD RAIL REQUIRED

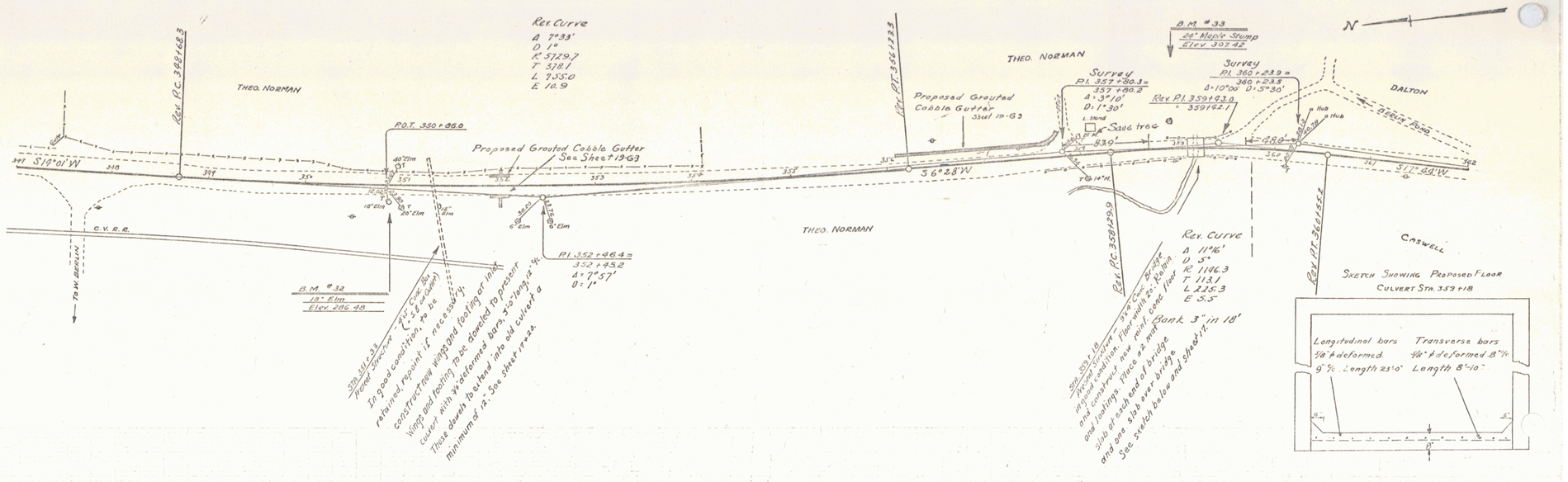
Stations	Lt.	Rt.
351+00 - 351+98	98	-
357+60 - 358+60	-	80'

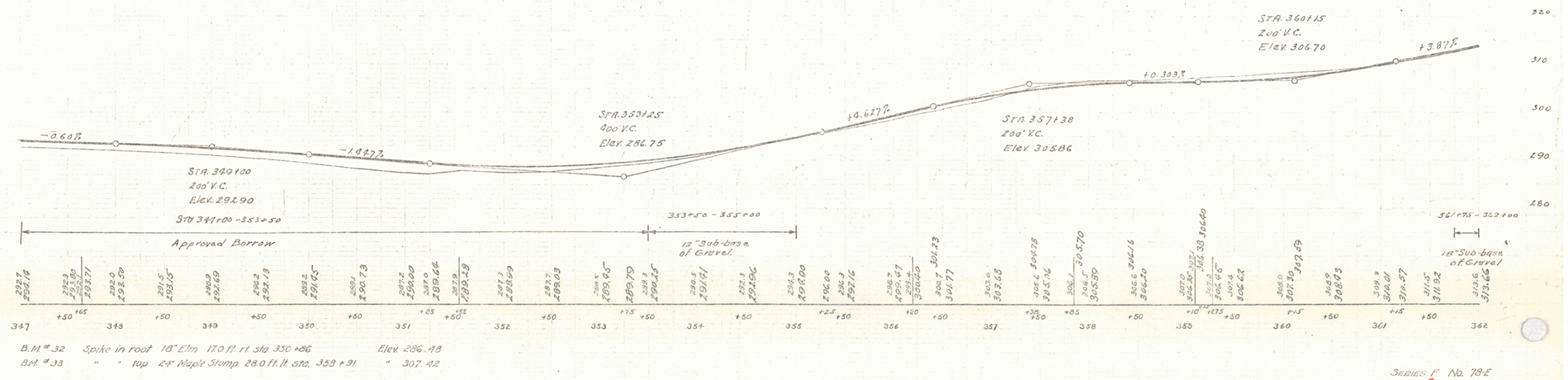
CULVERT REPAIRS REQUIRED

Station	Length	Conc. A	Steel
351+33		31 c.y.	200#
359+18		5.0 c.y.	611#

GROUTED COBBLE GUTTER REQUIRED

Station	Width	Area
352+00 Lt. + Rt.	3'-0"	1839 sq. ft.
356+10 - 357+60 Lt.	3'-0"	585 sq. yds.





B.M. #32 Spike in root 18" Elm 17.0 ft. rt. sta 350+86 Elev. 286.48
B.M. #33 " " top 24" Maple Stump 28.0 ft. lt. sta. 353+91 " 307.42

SERIES F No. 78-E
SHEET 6 OF

4

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	VT.		1930	7	

WOOD GUARD RAIL REQUIRED

Culv. Sta.	Lt.	Rt.
371+07	28'	-

CABLE GUARD RAIL REQUIRED

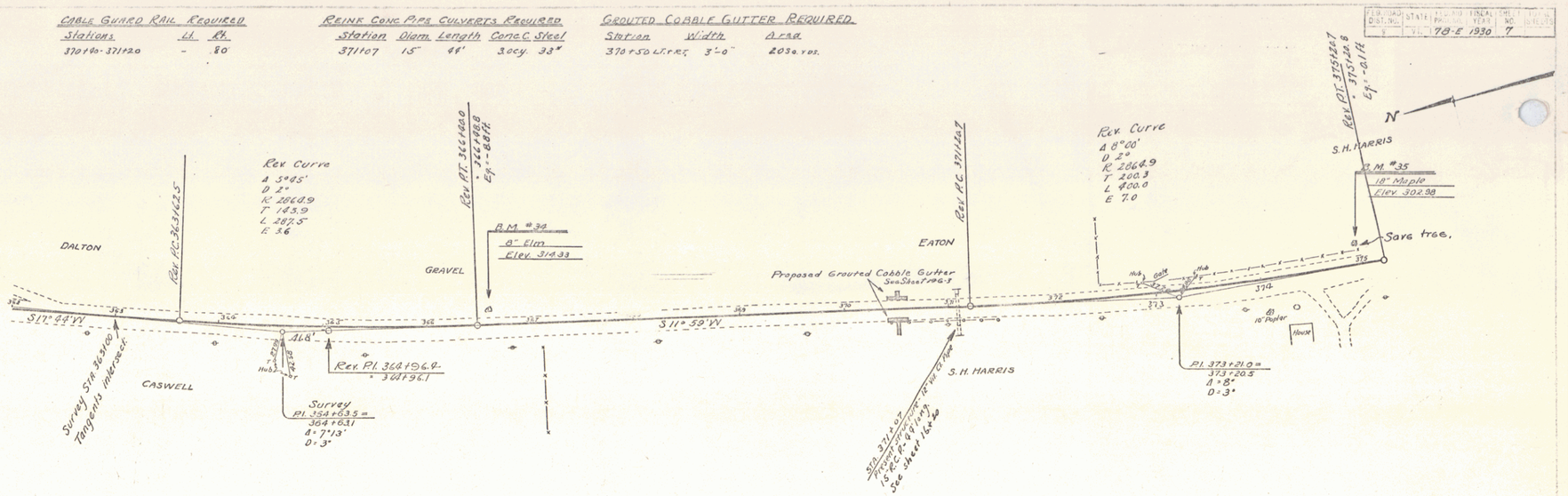
Stations	Lt.	Rt.
370+90 - 371+20	-	80'

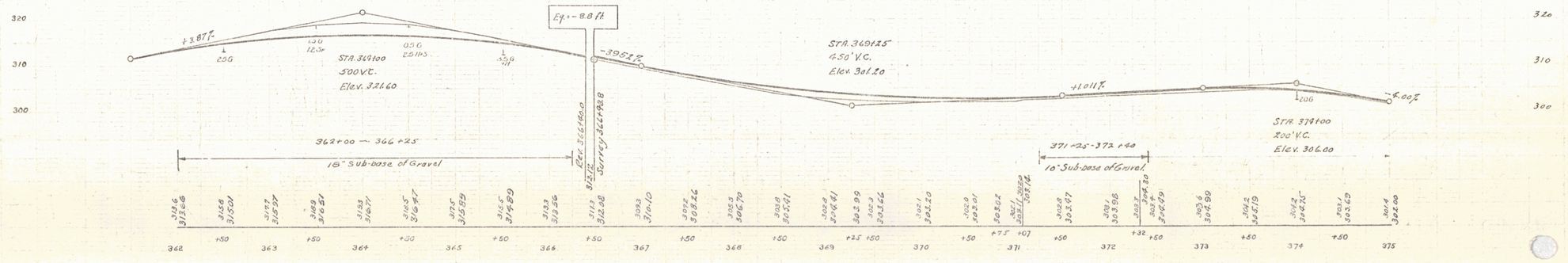
REINF. CONC. PIPE CULVERTS REQUIRED

Station	Diam.	Length	Conc. C.	Steel
371+07	15"	48'	3.0 cy.	33#

GROUTED COBBLE GUTTER REQUIRED

Station	Width	Area
370+50 Lt. & Rt.	3'-0"	203.0 yds.





B.M. #34 Spike in root 8" Elm 13.0 ft. lt. sta. 366+59 Elev. 314.33
B.M. #35 " " " 18" Maple 20.0 ft. lt. sta. 374+93 " 302.98

SERIES F No. 78-E
SHEET 7 OF

5

FED. ROAD DIST. NO.	STATE	ROAD FINAL PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	VT.		78-E 1930	8	

CABLE GUARD RAIL REQUIRED

Stations	Lt.	Rt.
376+10 - 376+90	80'	80'
382+70 - 387+74	504	—
382+78 - 391+02	—	832

STD. UNDERDRAIN WITH 6" PERF. COR. R. GALV. MET. PIPE

Sta.	Length	Conc. Rub. Mas.
378+00 - 380+94 Lt.	294'	1.0 c.y.
381+09 - 382+32 Lt.	123'	—

REINF. CONC. PIPE CULVERT REQUIRED

Station	Diam.	Length	Conc. A	Reinf. Steel
376+76	18"	52'	1.8 c.y.	54#

12" REINF. CONC. PIPE REQUIRED

Sta.	Diam.	Length	Conc. Rub. Mas.
382+94 Lt.	12"	24'	2.3 c.y.

REINF. CONC. BOX CULVERTS REQUIRED

Sta.	Size	Conc. A	Steel
383+28	3'x3'	28.3 c.y.	1859#

6" VIT. CLAY PIPE REQUIRED

Sta.	Length	Conc. Rub. Mas.
376+60	17'	1 c.y.

Existing tile underdrain to be retained. Construct headwall on right, extending underdrain as necessary.

Sta. 376+76 Present Structure - 18" R.C.P. as present tile foundation. See Sheet for Detail.

B.M. #35
18" Maple
Elev. 302.98
SAVE TREE

Duck Pond

S.H. HARRIS

℄ Proposed Underdrain

S 3° 59' W

Existing Water Pipe under road. To be retained.

Rev. P.I. 356+23.6

Side road to be maintained.

Rip-rap for bank protection

382+94 Lt. to 384+

Main Channel

Island

Toe of Slope over riprap

Rev. Curve
D = 10°00'
T = 97.04'
L = 194.6'
R = 573.6'
1927

Sta. 383+28 3'x3' Reinf. Conc. Box to be constructed on stone fill. Fill will be allowed to settle before foundation is placed. This fill to be 4' high.

Sta. 384+54 Present Structure - 18" V.C.P. Flow

Riprap for bank protection

Sta. 385+20 Present Structure

Stone Fill for river cut off

Proposed Channel Relocation

Rev. P.I. 387+80.0
390+66.2
℄ = -86.2 ft.

Pl. 388+08.3
383+81.5
Δ = 90°06'
D = 20°

3" Miller Stump 14.81 1936

23.42 Fence Post

S.H. HARRIS

N

PAUL HANNET

PROPOSED DRAINAGE DITCH

Pond

Sta. 377+50
350' V.C.
Elev. 292.00

-4.00 %

+0.615 %

+0.50 %

Elev. 288.62

Elev. 289.13

Sta. 380+75
300' V.C.
Elev. 294.00

-0.50 %

Elev. 288.00

-1.15 %

Sta. 383+75
300' V.C.
Elev. 293.55

-0.079 %

Elev. 288.00

Profile of proposed underdrain

Profile of proposed underdrain

Sta. 378+75 — 382+30
18" Subbase of Gravel

| | | |

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VT.		78-E 1930	9	

WOOD GUARD RAIL REQUIRED

Cult. Sta.	Lt.	Rt.
391+75	28'	-
389+90	26'	-

WOOD GUIDE POSTS REQUIRED

Cult. Sta.	Lt.	Rt.
399+56	1	-

CABLE GUARD RAIL REQUIRED

Stations	Lt.	Rt.
393+16 - 397+00	-	384'
398+00 - 401+00	-	200'

REINF. CONC. PIPE CULVERTS REQUIRED

Stations	Diam.	Length	Conc. A	Conc. C	Steel	Bldg.
389+90	15"	36'	1.9 c.y.	1.3 c.y.	92#	—
397+00	15"	40'	1.4	1.5	116	1
899+56	18"	32'	1.5	—	157	—

REINF. CONC. BOX CULVERTS REQUIRED

Station	Size	Conc. A	Steel
391+75	4x4	31.5 c.y.	2039#

GROUTED COBBLE GUTTER

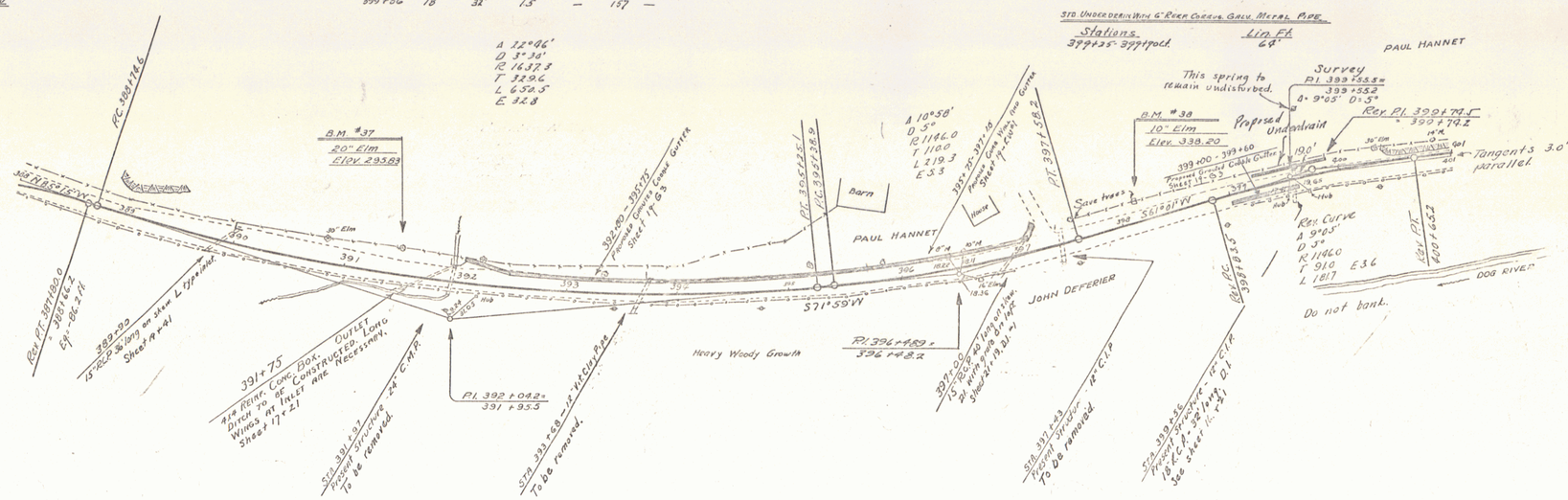
Stations	Width	Area
392+00 - 395+75 Lt.	3 Ft.	139 sq. yds.
399+00 - 399+60 Rt.	3 Ft.	20 sq. yds.

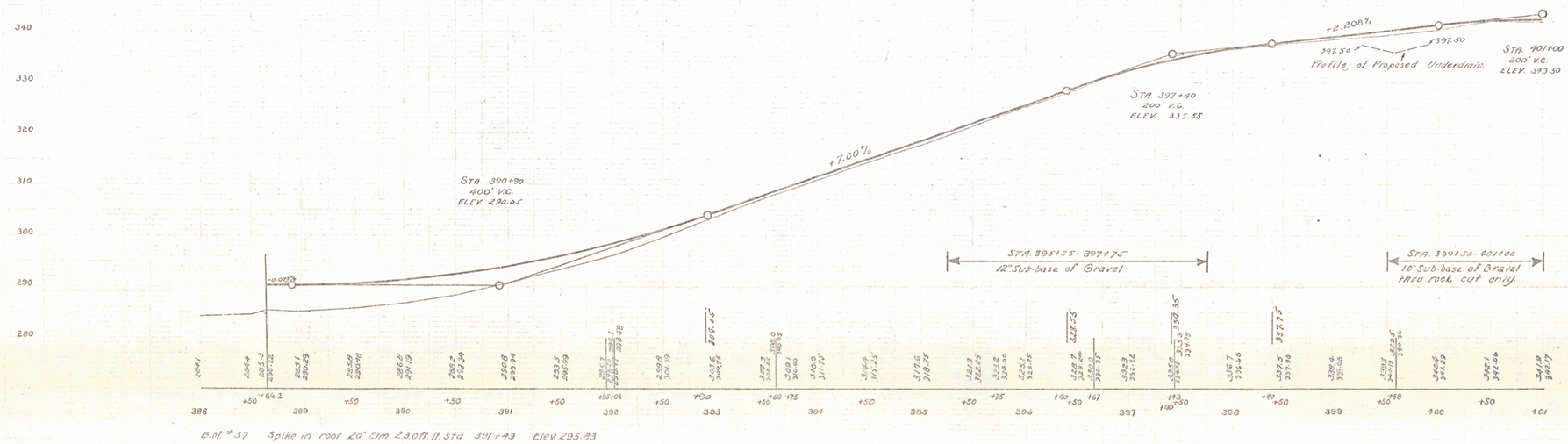
CURB WALL AND GUTTER

Station	Conc. A	Reinf. Steel
395+75 - 397+10	27.2 c.y.	724 lbs.

STD. UNDERDRAIN WITH 6" PERF. CORRUG. GALV. METAL PIPE

Stations	Lin. Ft.
397+35 - 399+00 Lt.	68'





B.M. #37 Spike in root 20" Elm 23.0 ft. lt. Sta 391+43 Elev. 295.83
B.M. #38 " " " 10" " 18.0 " " " 398+15 " 338.20

SERIES F No. 78-E
SHEET 9 OF

7

U.S. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	VT.			

78-E 1930 10

WOOD GUARD RAIL REQUIRED

Culv. Sta.	Lt.	Rt.
408+25	25'	25'
418+40	-	20'
421+00	29'	-

WOOD GUIDE POSTS REQUIRED

Culv. Sta.	Lt.	Rt.
418+40	1	-

CABLE GUARD RAIL REQUIRED

Stations	Lt.	Rt.
401+00 - 403+28	-	428'
410+64 - 421+44	-	80'

REINF. CONC. PIPE CULVERTS REQUIRED

Station	Diam.	Length	Conc. A	Conc. C	Steel	D.I. Grate
404+58	15"	29'	1.5 cy.	—	157#	1
408+25	15"	48'	—	3.0 cy.	33	-
418+40	15"	40'	1.4 cy.	1.5 cy.	116	1

CULVERT REPAIRS REQUIRED

Station	Conc. A	Steel
411+00	3.0 cy.	388#

CURB AND GUTTER REQUIRED

Station	Conc. A	Steel
410+85-411+15	3.0cy	56#

CURB WALL AND GUTTER REQUIRED

Stations	Conc. A	Steel
403+90 - 404+75 Lt.	17.2	2,195#
405+75 - 406+90 Lt.	23.2	2969#

REINF. CONC. PIPE REQUIRED

Station	Diam.	Length
414+90 - 416+00 Lt.	12"	120'

GROUTED COBBLE GUTTER REQUIRED

Station	Widths	Area
403+70 - 404+58 Rt.	3 rt	36 Sq. yds.

Rev. Pl. 401+10

PAUL HANNET

Rev. Curve
Δ 14°46'
D 3°
R 1146.3
T 198.5
L 295.3
E 9.6

Tangents 3°0" Parallel

S 70°06' W

18" Elm B.M.

Rev. Pl. 402+99.5 = 402+97.8

DOG RIVER

Survey Pl 402+732
402+719
Δ = 14°46'
D = 7°

Sta. 402+28 NORTHERLY SECTION

Sta. 402+28 Present Structure - 18" C.I.P. 15'-K.C. & 29' long. Dia. Grate. See sheet 4a 21+9 (Dwg.)

Proposed Guard Cable Sheet 9-RW#3

Proposed Curb, Wall and Gutter Sheet 19-RW#1

B.M. #39
Spot on ledge
Elev. 339.32

Rev. P.T. 403+96.3

C. B. CASWELL

F.W. LENOX

B.M. #40
20" Elm
Elev. 327.25

Proposed Curb, Wall and Gutter Sheet 19-RW#1.

Tangents 90° Parallel

S 53° 30' W

Rev. Pl. 409+53.1 = 409+47.1

Survey Pl. 409+32.0 = 409+68.3
Δ = 27°48'
D = 15°

DOROTHY GEAR

M.G. CASS

Rev. Curve
Δ 27°48'
D 10°
R 573.7
T 142.0
L 278.0
E 17.3

Sta. 409+00 Present Structure - 12" C.M.P. 15'-K.C.& 40' long See sheet 4a+1.

Rev. P.C. 408+11

Rev. P.T. 410+89.1

Proposed Curb, Wall and Gutter See Sketch Below

Rev. P.T. 410+89.1

Survey Pl. 410+91.0

S 83° 00' W

H. H. MOODY

B.M. #41
18" Maple
Elev. 325.90

W. S. PROVOST

ARTHUR PAGE

Sta. 411+00 Present Structure - 18" C.M.P. Retain, repoint and construct new top under road slab See Sheet 4a+22.

Joint between pavement and gutter to be painted with bituminous material

Pavement 7"

2'-0"

5/8"ϕ bars deformed 3'-6" mat. spacing Length 4'-0"

¾"ϕ bars (plain) Length 2'-0" 2 of each joint

NOTE: Joints in Curb and Gutter not to exceed 8'-0" apart. Premoulded bituminous expansion joint filler ½" thick to be placed after every 5th Section. Remaining joints to be either butt joints painted with bituminous material or cut plate joints

CONCRETE CURB AND GUTTER
Sta. 410+85-411+15 Rt.

Rev. P.C. 413+03.9 = 413+03.1

Survey Pl 413+17.9
413+17.9
Δ = 2°28'
D = 1°

185.3'

15" RCP 40' long Sheet 16a+22.

2H+Conc.

ED. DAVIS

Rev. Curve
Δ 4°17'
D 1°
R 572.97
T 21.93
L 42.83
E 0.41

M.A. CAMPBELL

JOE HAMEL

Proposed 12" Reinf. Conc. Pipe 15'-0"

Rev. P.T. 417+13.4

Note: Sub-soil investigation at 50 ft. intervals between Sta. 411+00 and 416+00.

STA. 401+00 200' V.C. Elev. 343.50

-3.15%

STA. 403+00 200' V.C. Elev. 337.25

-2.00%

STA. 405+50 200' V.C. Elev. 332.25

-3.90%

STA. 408+00 300' V.C. Elev. 322.50

+1.00%

STA. 410+25 150' V.C. Elev. 324.75

Eq. = -1.9 Ft.

+0.439%

STA. 412+00 150' V.C. Elev. 325.31

+0.105%

STA. 414+00 150' V.C. Elev. 325.70

+0.533%

STA. 415+50 150' V.C. Elev. 326.50

+0.316%

340
330
320

STA. 401+00 - 406+75
10" Sub-base of Gravel haru rock cut only

Rev. 410+89.1 → Survey 410+91.0

| | | |

WOOD GUARD RAIL REQUIRED

STATION	LEFT	RIGHT
423+75	24'	

CABLE GUARD RAIL REQUIRED

STATION	LT.	RT.
423+04 - 424+00	96'	

DROP INLETS REQUIRED

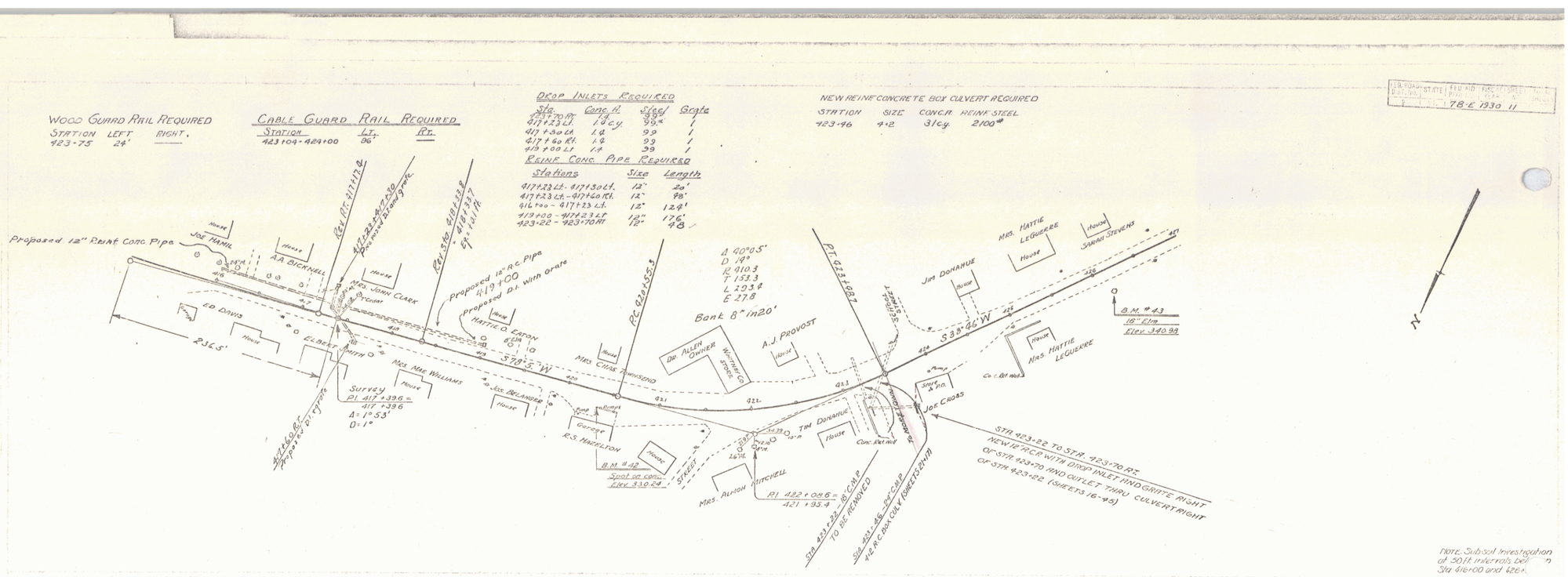
Sta.	Conc. M.	Steel	Grate
417+70 Rt.	1B		
417+23 Lt.	1.8 cy.	99.#	1
417+30 Lt.	1A	99	1
417+60 Rt.	1B	99	1
419+00 Lt.	1A	99	1

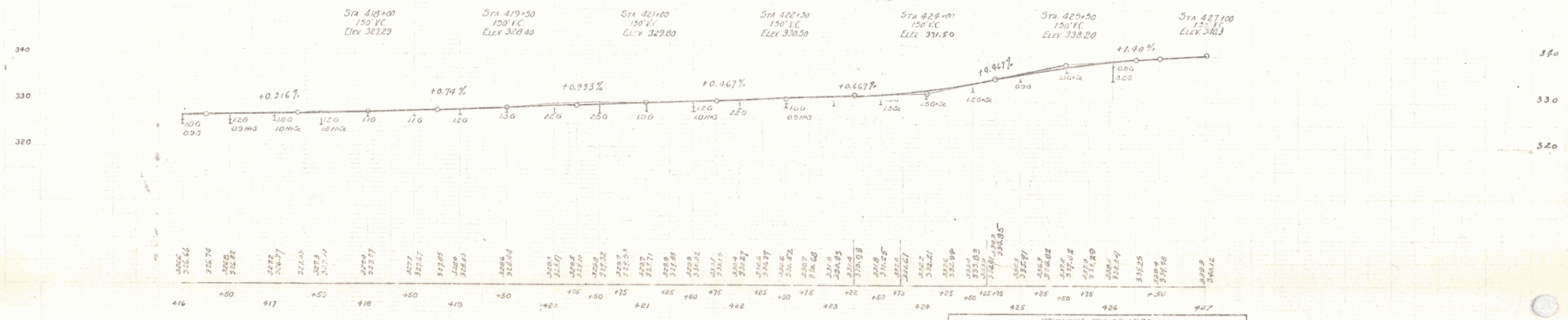
REINF. CONC. PIPE REQUIRED

Stations	Size	Length
417+23 Lt. - 417+30 Lt.	12"	20'
417+23 Lt. - 417+60 Rt.	12"	98'
416+00 - 417+23 Lt.	12"	129'
419+00 - 417+23 Lt.	12"	176'
423+22 - 423+70 Rt.	12"	48'

NEW REINF. CONCRETE BOX CULVERT REQUIRED

STATION	SIZE	CONC. A	REINF. STEEL
423+46	4'-2	31 cy.	2100#





B.M. #42 Gas pump foundation Northfield Falls Filling Sta. 170 ft. rt. rt. Sta. 420+36 Elev. 330.24

B.M. #43 Spike in root 16" Elm 25.0 ft. rt. rt. Sta. 425+13 Elev. 340.98

REVISIONS AUG. 29, 1930	
STA. 423+22 PRESENT CULV. 18" C.M.P. TO BE REMOVED INSTEAD OF RETAINED	24' OF WOOD GUARD ADDED LEFT OF STA. 423+75.
STA. 423+96 PRESENT CULV. 24" C.M.P. NEW 4'-2" R.C. BOX CULV. RETAINED.	NEW O.I. AND GRATE WITH 48" OF 12" R.C.P. FROM STA. 423+70 - STA. 423+70 RT.

NOTE: Subsoil investigation at 50 ft. intervals between Sta. 416+00 and 426+

78-E 1930 11

SERIES F No. 78-E
SHEET 11 OF

9

F.A. ROAD EST. NO.	STATE	F.A. AID NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	21	78-E	1930	12	

WOOD GUIDE POSTS REQUIRED

Culv. Sta.	Lt.	Rt.
430+86	1	–
439+63	–	1

WOOD GUARD RAIL REQUIRED

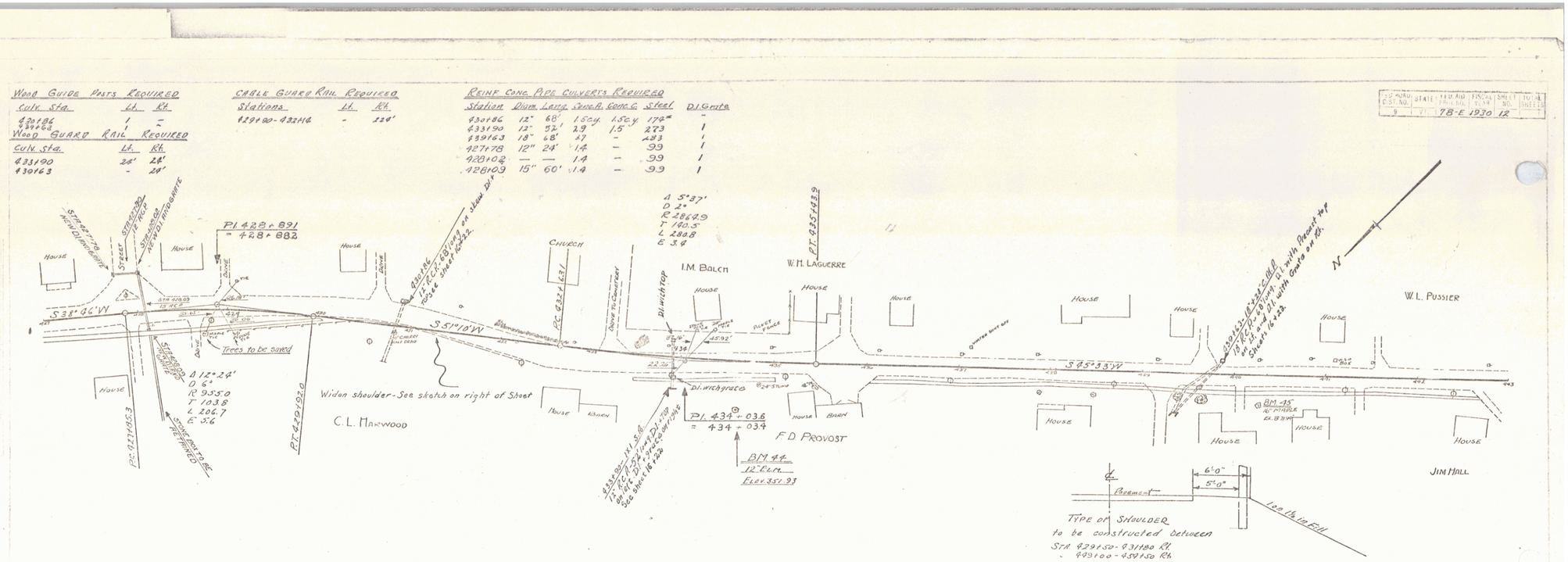
Culv. Sta.	Lt.	Rt.
433+90	24'	24'
430+63	–	24'

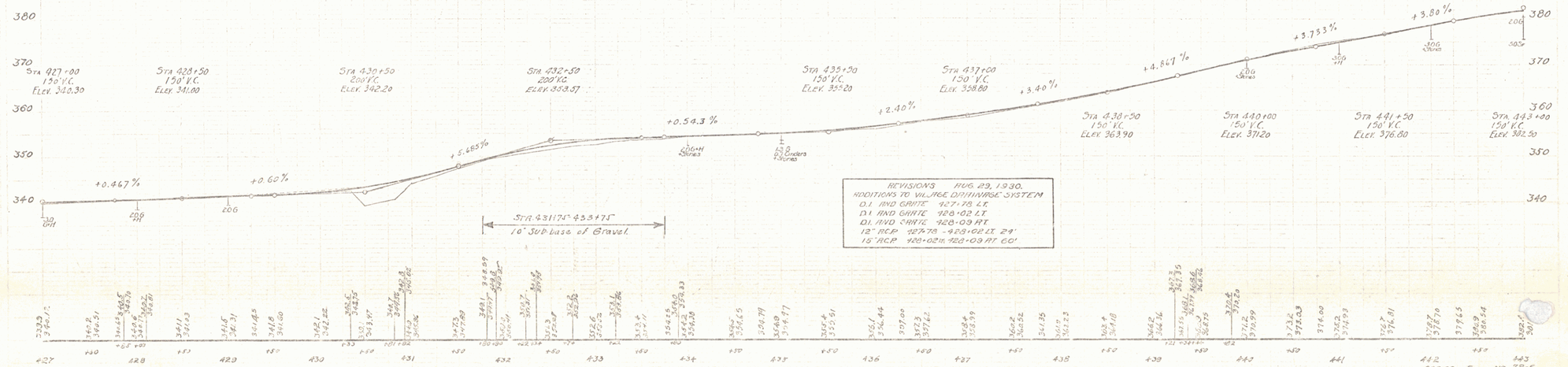
CABLE GUARD RAIL REQUIRED

Stations	Lt.	Rt.
429+90 - 432+16	–	226'

REINF. CONC. PIPE CULVERTS REQUIRED

Station	Diam.	Leng.	Reinf. Conc.	Steel		D.I. Grate
430+86	12"	68'	1.5 c.y.	1.5 c.y.	172#	–
433+90	12"	52'	2.9	1.5	273	1
439+63	18"	68'	4.7	–	483	1
427+78	12"	24'	1.4	–	99	1
428+02	—	—	1.4	–	99	1
428+09	15"	60'	1.4	–	99	1





BM 44 Spike in root 12" Elm 52' Rt. of 439+60 Elev. 351.93

BM 45 Spike in root 16" Maple 31' Rt. of 440+26 Elev. 371.94

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16

Wood Guard Rail Required		
Culv. Sta.	Lt.	Rt.
447+10	24'	24'

Cable Guard Rail Required		
Stations	Lt.	Rt.
449+00 to 454+84	-	584'
453+24	98'	

Reline Conc. Pipe Culverts Required				
Station	Diam.	Leng.	Conc. fl.	Steel
447+10	24"	98'	24 cy.	54"
453+24	18"	44'	1.8 t	54

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RF-BRF 035-2(3)

W.L. Poessier

POT 443+662

Survey
Pl. 445+09.0
= 445+08.6
Δ = 7°12'
D = 3°

Rev. Pl. 445+775
445+769

Survey
POT 448+840

Comp. to be Constructed

Rev. Pl. 449+515

Rev. Curve
Δ 30°27'
D 6°
R 955.9
T 260.2
L 507.8
E 35.2

POT 453+331

Rev. Pt. 453+533
453+409
Ey. = 4.4 ft.

Edgar J. & Blanche V. Warner

4 rods

B.M. 48
LEDGE
ELEV. 343.86'

ROMAN CATHOLIC DIOCESE of BURLINGTON

S 23°13' W

Proposed

6" Water Main & Telephone Cable

#6019

ROMAN CATHOLIC DIOCESE of BURLINGTON

DOG RIVER

Farm Approach

0.10 Ac.

GATE

Edgar J. & Blanche V. Warner
#6019b

B.M. 47
30" ELM
ELEV. 349.86'

S 45° 33' W

S 53° 10' W

Rev. Pl. 449+418

Spot Elevation
El. 381.57

Jim Hall

Royce

Rev. Curve
Δ 8°07'
D 3°
R 1910.1
T 135.5
L 270.6
E 4.8

House

Gilbert — Andrews Et
George D. & Maxine L. Phillips

5th Change Village of Northfield

Town of Northfield

POST 450+50

Pl. 451+11.1
= 451+00.7
Δ = 29°32'
D = 6°30'

6" Water Main & Tel. Cable

Rev. Pt. 453+533
453+409
Ey. = 4.4 ft.

Sta. 449+00 - 454+50 Rt.
Use 6'-0" Shoulder.
See sketch on sheet 12.

Sta. 443+00
150' V.C.
Elev. 382.50

Sta. 444+90
200' V.C.
Elev. 381.50

+1.063%

-3.802%

-7.007%

-0.197%

-0.982%

Sta. 448+50
250' V.C.
Elev. 370.67

Sta. 452+60
400' V.C.
Elev. 341.97

Ey. = -1.6 ft.

Sta. 456+50
200' V.C.
Elev. 341.20

445+50 - 446+32
10" Sub-base of Gravel

448+50 ~ 449+75
10" Sub-base of gravel

452+25 ~ 452+35
10" Subbase of gravel.

B.M. 46. Spot on Ledge 18' Rt. 445+58 Elev. 381.57
B.M. 47 Spike in Trunk 30' Elm. 13' Rt. 450+77 Elev. 349.86
B.M. AB. Drill Hole in Ledge 62' Lt. 455+19 Elev. 343.86

Series E No. 782
Sheet 13 of

11

Wood Guard Rail Required			Cable Guard Rail Required		
Station	Lt.	Rt.	Stations	Lt.	Rt.
466+32	20'	-	462+20 - 466+28	-	90A'
468+00	20'	20'			

O/B Bridge & Highway plotted from 1914 new bridge plans.

78-E 1930 14

Save

4 rods

ROMAN CATHOLIC DIOCESE of BURLINGTON CEMETERY

PAUL BEAN

PI 465+54.0 = 465+53.9

PI 468+63.0 = 468+62.8

Paul Bean
Area 0.6A±
Sta 467+91 - 471+40
F 78-E E

(F 78-E E) 468+74
40' Lt. (Proposed E)

Original 4 rod Row

(F 78 E E) 471+40
25' Rt. (F 78-E E)

O/B Cv Bridge

Bridge 1914

Statutory 3 rod Row

Δ 2°-01'
D 3°
R 1910.0
T 78.1
L 156.1
E 1.5

Δ 7°-53'
D 6°
R 955.0
T 65.8
L 131.4
E 2.2

Paul Bean 0.6A±

Do not bank. Widen to Fit Bridge (1.5' Lt. & Rt.)

Do not bank. Widen to Fit Bridge (1.5' Lt. & Rt.)

Town of Northfield Sewer Disposal Area

(F 78 E E) 467+91
36' Lt. (F 78 E E)
66' Rt. (Proposed E)

(F 78-E E) 471+40
91' Rt. (F 78-E E)
66' Rt. (Proposed E)

HOUSE

Save

ROMAN CATHOLIC DIOCESE of BURLINGTON

#6019a

7.24 Acres ± Marsh

Approximate High Water Line

DOG RIVER

Town of Northfield

Sta. 466+00 to Sta. 467+95.5
8" Stgh. Conc. T-Beam BRIDGE
Length over all 56'
Roadway Width 24.6'
Not included in the Project.
Conc. & Mat. slabs at each end.

Sta. 459+35
350' TC
Elev. 338.35

Sta. 462+00
200' V.C.
Elev. 349.50

Sta. 464+00
300' V.C.
Elev. 348.10

Sta. 469+50
200' V.C.
Elev. 351.00

Sta. 471+75
250' V.C.
Elev. 348.10

+4.00%

+0.40%

-1.33%

0.0%

+6.11%

350

340

SEC 1 1972

SERIES I SHEET 14 OF

NO. 78-E

B.M. 49 Mark on S.W. Cor. of Bridge Wing, Sta. 466 ± Elev. 348.53

PLATE 1—PLAN-PROFILE C. P. R. A. E. STANDARD

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RF-BRF 035-2(3)

78-E 1930 15

N

Δ 21°05'
D 3°
R 1960
T 218.3
L 421.7
E 19.5

STA. 478+00
END OF PROJECT

P.I. 474+42.8

STANLEY E. & JEHOLDING COPELAND

HARRY E. & ROSELDA M. GEHEMO

CARROL B. TYANT

PLAMOTHIE

SAW MILL

BARN

SHED

HOUSE

BM 50
12" ELM
ELEV. 358.90

BM 52
ELM
ELEV. 370.32

BM 51
HYDRANT
ELEV. 366.00

NORTHFIELD

S 14°42'W

4 rods

Owner of Record
ALVIN SMITH
0.17 Acre ±
PL 474+25.6
474 +20.6
REV. CHARLES & JOSEPHINE DAYTON
Box 791
Corinth, N.Y.
Tenant & Under Contract to Buy:
PHILIP A. & GENEVIEVE E. NEILL

CARPENTER SHOP
PHILIP NEIL

STA. 478+00
END OF PROJECT

+4.14 5'.
+1.09 5'.

1.36
1.5 H+3

1.06
1.06 H

STA. 473+00
200' V.C.
Elev. 357.93

BM #50 SPIKE IN TRUNK 12" ELM - 13' LT. STA. 475+04 ELEV. 358.90
BM #51 HYDRANT NUT 18.5' RT. STA. 480+06 ELEV. 366.00
BM #52 SPIKE IN ROOT OF 19" ELM 23' RT. STA. 485+43 ELEV. 370.32

472	+50	473	+50	474	+50	475	+50	476	+50	477	+50	478	+50	479	+50	480	+50	481	+50	482	+50	483	+25	+25	484	+50	485	+50	486	+50	487	+50	488
352.6	353.28	354.8	355.16	356.6	356.47	357.8	357.79	358.7	358.53	359.7	359.08	359.2	359.62	360.0	360.17	361.0	360.72	361.5	361.26	361.9	361.80	362.1	362.35	362.7	362.90	363.6	364.0	364.3	364.3	364.3	364.5	365.0	365.4	365.7	365.9	366.3	366.1	366.2	366.4	367.2	368.0	368.9	369.3	370.0	370.2	370.9	371.4	371.4

SERIES E NO. 78-E
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