

INDEX OF SHEETS

- 1. Title Sheet
- 2. Typical Sheet, Mainline
- 3. Typical & Profile Sheet, Sideline
- 4. Summary of Quantities
- 5. Item Detail & Drainage Sheet
- 6. Earthwork & Grade Sheet
- 7-8. Blank
- 8-11. R.O.W. Plan Sheets
- 12-14. Plan Sheets
- 15. Profile Sheet
- 16. 8-1 Banking Tables 12/ 6/71
- 17. 8-5 Slope Rounding 12/ 6/71
- 18. D-2 Headwalls & Underdrain 3/ 8/72 B
- 19. D-6 R.C.P.I. (Use in Ditches) 4/ 8/78
- 20. 8-8 R.C.P.I. w/Grate (Bot. Sec.) 12/ 6/71
- 21. 3-10 Top for a Drop Inlet with Bituminous Concrete Curb 12/ 6/71
- 22. 3-11 Cast Iron Grate, Type A 8/25/72 B
- 23. 3-16 Cast Iron Grate, Type B 1/14/72 B
- 29. E-2 Const. Approach Signs 10/19/73 R
- 25. E-5 Betterment Project Signs 9/11/73 B
- 26. E-6 On-Project Const. Signs 12/14/73 R
- 27. E-7 Delimiters & Barricades for Const. Areas 9/19/73 R
- 28-29. Blanks
- 30-32. Cross Sections, Mainline
- 44-47. Cross Sections, Sideline

DERBY
BP 041-5-7310
RECORD PLANS
MATERIALS

SUB-BASE OF GRAVEL - DAGGETT PIT, DERBY LINE, VT.
CULVERTS - LANE METAL PRODUCTS CO., INC., BALLSTON SPA, NY.
EASTERN CULVERT CO., LEAMINGTON, MASS. (SMOOTH-LINED)
CAST IRON GRATES - E. L. LESARON FOUNDRY CO., BROCKTON, MASS.
CONCRETE, CLASS B - CALKINS RED-MIX, COVENTRY, VT.
BITUMINOUS CONCRETE PAVEMENT & BIT. CONC. CURB - L.M. PIKE, COVENTRY, VT.
FERTILIZER & SEEDS: GRISWOLD FENCE CO., ESSEX JCT., VT.

PROJECT BEGUN: DECEMBER, 1973
PROJECT COMPLETED: MAY, 1976
CONTRACTOR: STATE OF VERMONT, DISTRICT 9
RECORD PLANS - P. F. WU, MARCH, 1976

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

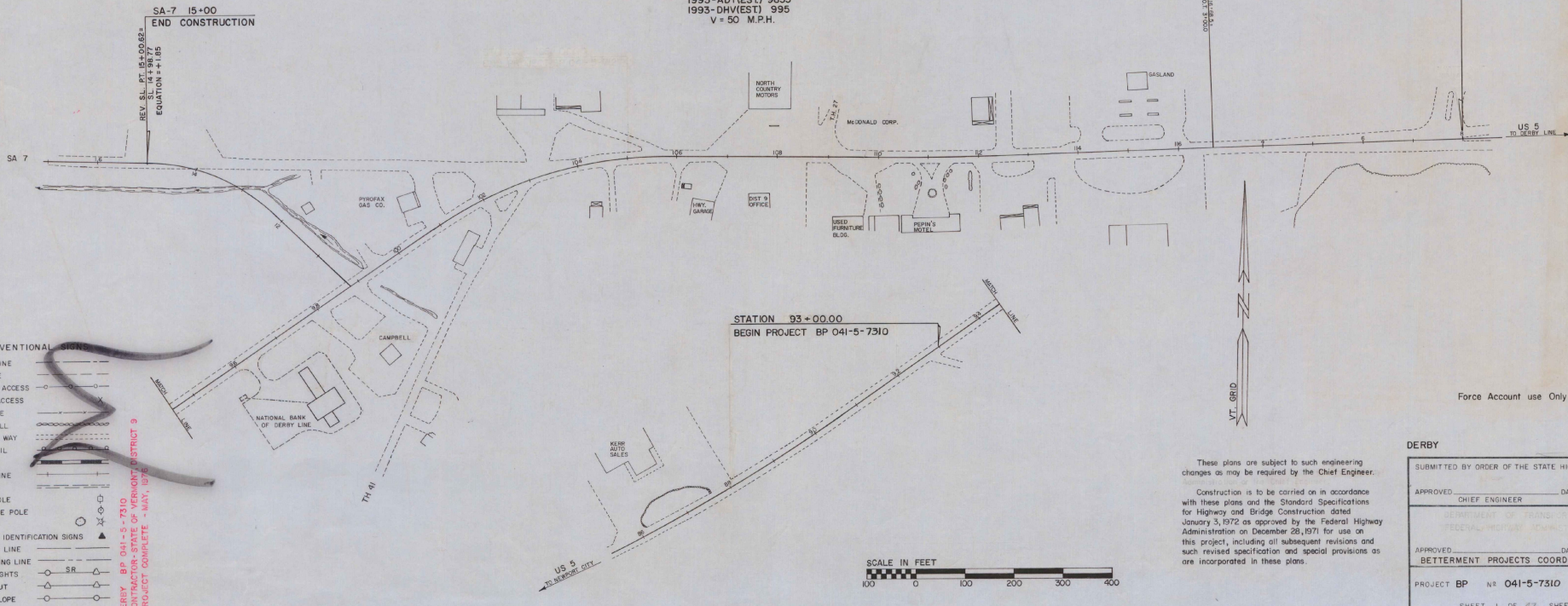
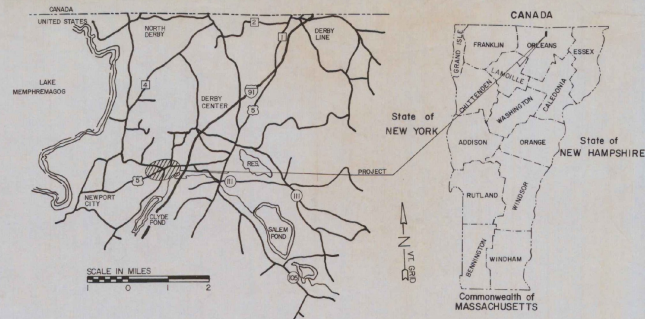


PROPOSED IMPROVEMENT
BETTERMENT PROJECT
TOWN OF DERBY
COUNTY OF ORLEANS
NEWPORT-DERBY LINE ROAD

BEGINNING AT A POINT APPROXIMATELY 1277 FEET EASTERLY OF THE NEWPORT-DERBY TOWN LINE AND EXTENDING IN AN EASTERLY DIRECTION 0.543 MILES.

LENGTH OF ROADWAY 28685 FEET 0.543 MILES
LENGTH OF PROJECT 28685 FEET 0.543 MILES

1973-ADT (EST) 6090
1973-DHV (EST) 650
1993-ADT(EST) 9655
1993-DHV(EST) 995
V = 50 M.P.H.

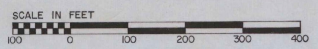


- CONVENTIONAL SIGNS
- COUNTY LINE
 - TOWN LINE
 - LIMITS OF ACCESS
 - POINT OF ACCESS
 - FENCE LINE
 - STONE WALL
 - TRAVELED WAY
 - GUARD RAIL
 - RAILROAD
 - SURVEY LINE
 - CULVERT
 - POWER POLE
 - TELEPHONE POLE
 - TREES
 - F.A. CONST. IDENTIFICATION SIGNS
 - PROPERTY LINE
 - R.O.W. TAKING LINE
 - SLOPE RIGHTS
 - TOP OF CUT
 - TOE OF SLOPE

DERBY
BP 041-5-7310
CONTRACTOR-STATE OF VERMONT, DISTRICT 9
PROJECT COMPLETE - MAY, 1976

STATION 8+00.00
END PROJECT BP 041-5-7310

STATION 93+00.00
BEGIN PROJECT BP 041-5-7310



These plans are subject to such engineering changes as may be required by the Chief Engineer.

Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated January 3, 1972 as approved by the Federal Highway Administration on December 26, 1971 for use on this project, including all subsequent revisions and such revised specification and special provisions as are incorporated in these plans.

DERBY

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

APPROVED _____ DATE _____
BETTERMENT PROJECTS COORDINATOR

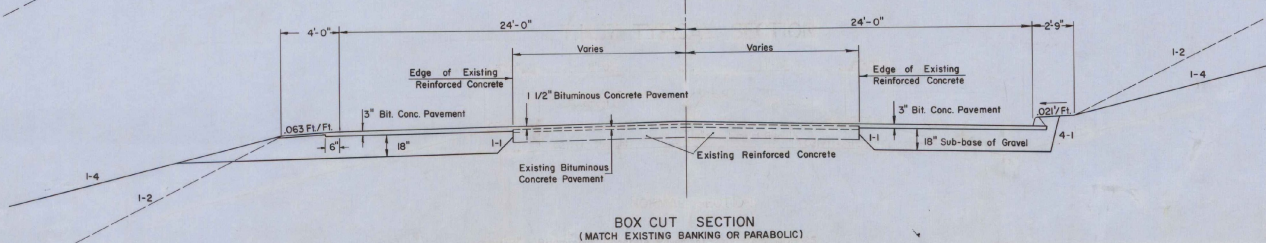
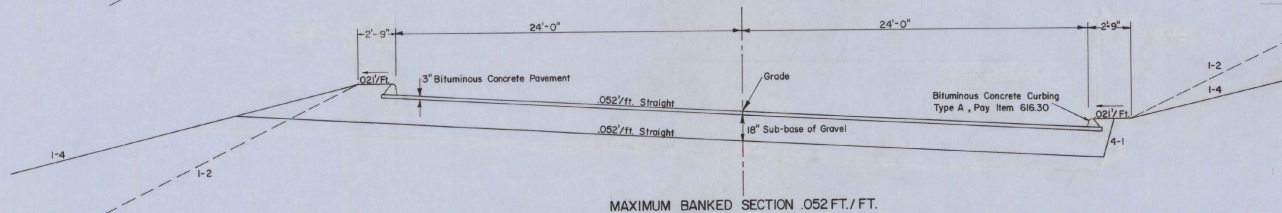
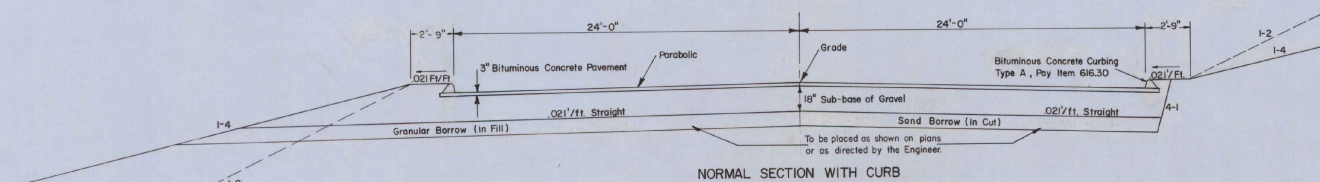
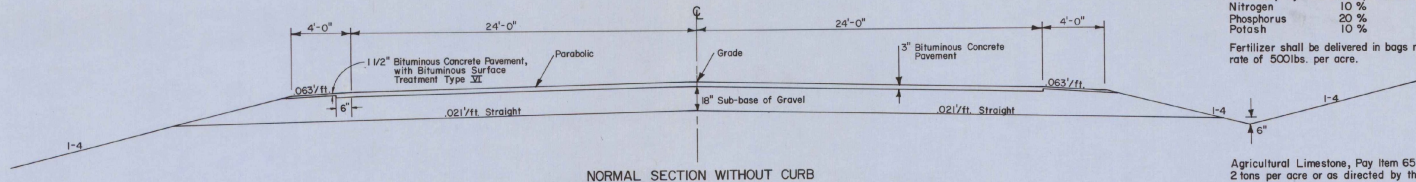
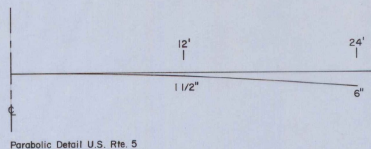
PROJECT BP NR 041-5-7310

SHEET 1 OF 47 SHEETS

Force Account use only

U.S. RTE. 5 TYPICAL SECTIONS

- 3" Bituminous Concrete Pavement, Pay Item 406.25
- 18" Sub-base of Gravel, Pay Item 301.15
- Shoulders: 1 1/2" Bituminous Concrete Pavement, Pay Item 406.25 with Bituminous Surface Treatment, Type VI, Pay Item 404.40
- 6"-12" Granular Borrow (In Fill), Pay Item 203.32 (To be placed as shown on plans or as directed by the Engineer.)
- 12"-24" Sand Borrow (In Cut), Pay Item 203.31 (as directed by the Engineer.)



NOTES

Seeding Formula, Pay Item 651.10

		Urban Areas		
% Wt.	Lbs./A.	Name	Pur. %	Germ %
38.46	25	Creeping Red Fescue	98	85
46.15	30	Kentucky Blue Grass	85	75
15.39	10	Annual Rye Grass	95	90
100.00	65			

The seed mixture shall not have a weed content exceeding 0.40% by weight and shall be free from all noxious weed seed.

For rounding of slopes, see standard sheet B-5.

Steel Marker Posts, Pay Item 619.16, to be placed as directed by the engineer.

Hay Mulch, Pay Item 651.25, to be placed on all earth slopes at the rate of 2 tons per acre.

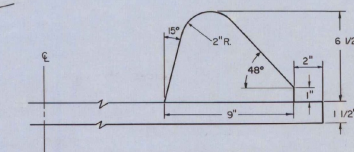
Fertilizer, Pay Item 651.15, shall be mixed as follows:

Nitrogen	10 %
Phosphorus	20 %
Potash	10 %

Fertilizer shall be delivered in bags not to exceed 100lbs. each and is to be applied at the rate of 500lbs. per acre.

Agricultural Limestone, Pay Item 651.20, to be applied to all earth slopes at the rate of 2 tons per acre or as directed by the engineer.

Topsoil, Pay Item 653.10, to be used with seed, item 651.10, as directed by the engineer.

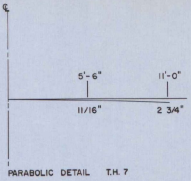


15° Sloped face of curb to be placed towards traffic.

Curb surface to be treated, (2 coats), after curb has been in place 7 days using emulsified bituminous material.

Weight of curb = 40.4 Lbs. / Lf. (for estimating tonnage)

SURVEYED BY _____ DATE _____
 DRAWN BY S.R.S. DATE 9/7/72
 TRACED BY S.R.S. DATE 9/8/72
DERBY
 PROJ. BP NO. 041-5-7310
 SHEET 2 OF 47

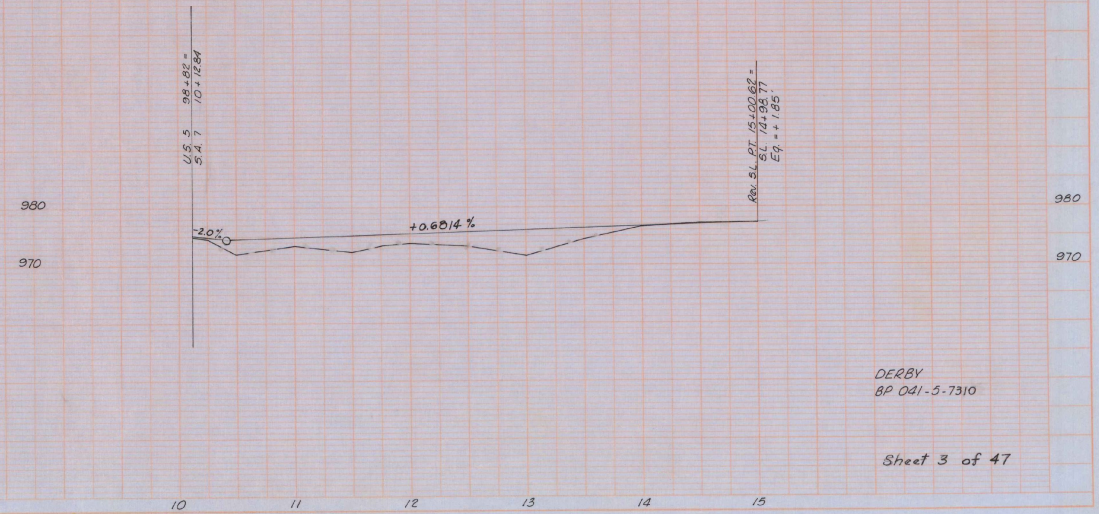
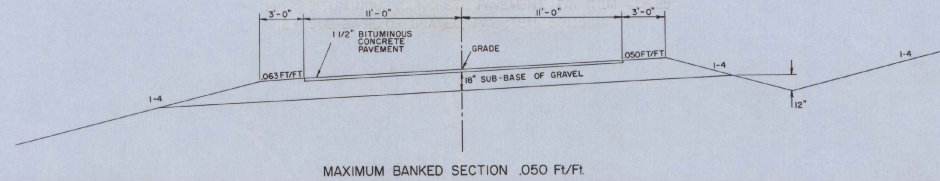
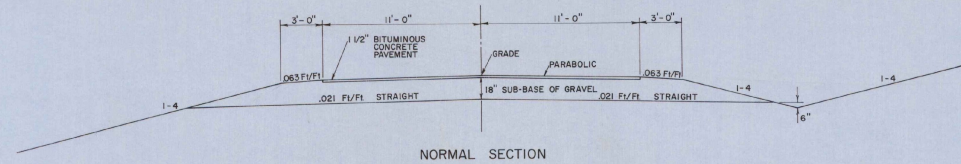


SA-7

NOTES
FOR GENERAL NOTES SEE SHEET 2 OF 47

TYPICAL SECTION

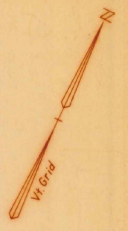
1 1/2" BITUMINOUS CONCRETE PAVEMENT, PAY ITEM 406.25
18" SUB-BASE OF GRAVEL, PAY ITEM 301.15



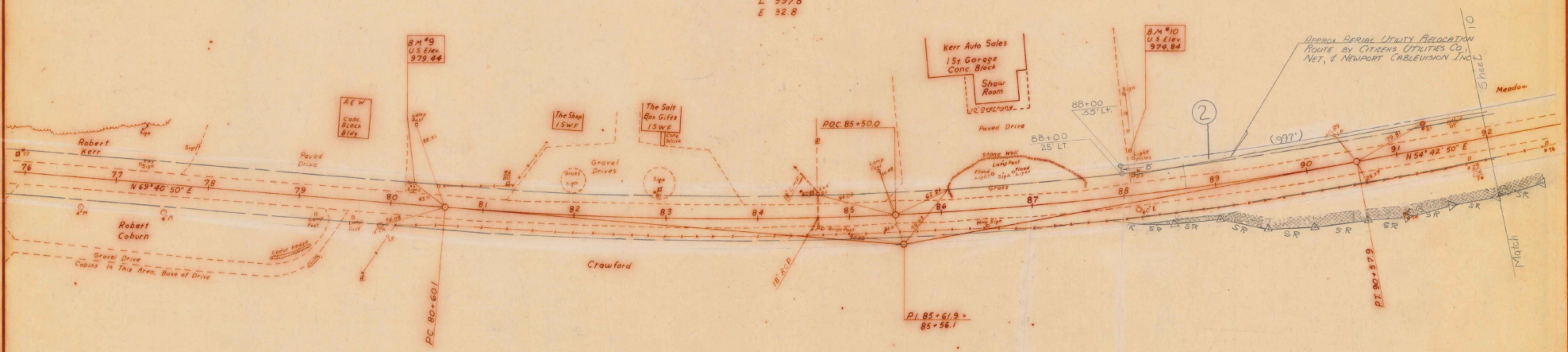
DERBY
BP 041-5-7310

Sheet 3 of 47

Parcel #2 Kerr Auto Sales Inc.
 Sta. 80+00 Lt. - 98+00 Lt. .20A±
 Slope (T) .02 A±
 Sta. 96+54 Lt. - 98+04 Lt.
 Recorded: 1/2/74 In Derby
 Town Land Records Bk. 69
 Pg. 189, 190 By W.D.



Curve Data
 $\Delta 14^{\circ} 58' Lt$
 $D 1^{\circ} 30'$
 $R 3819.7$
 $T 501.8$
 $L 997.8$
 $E 32.8$

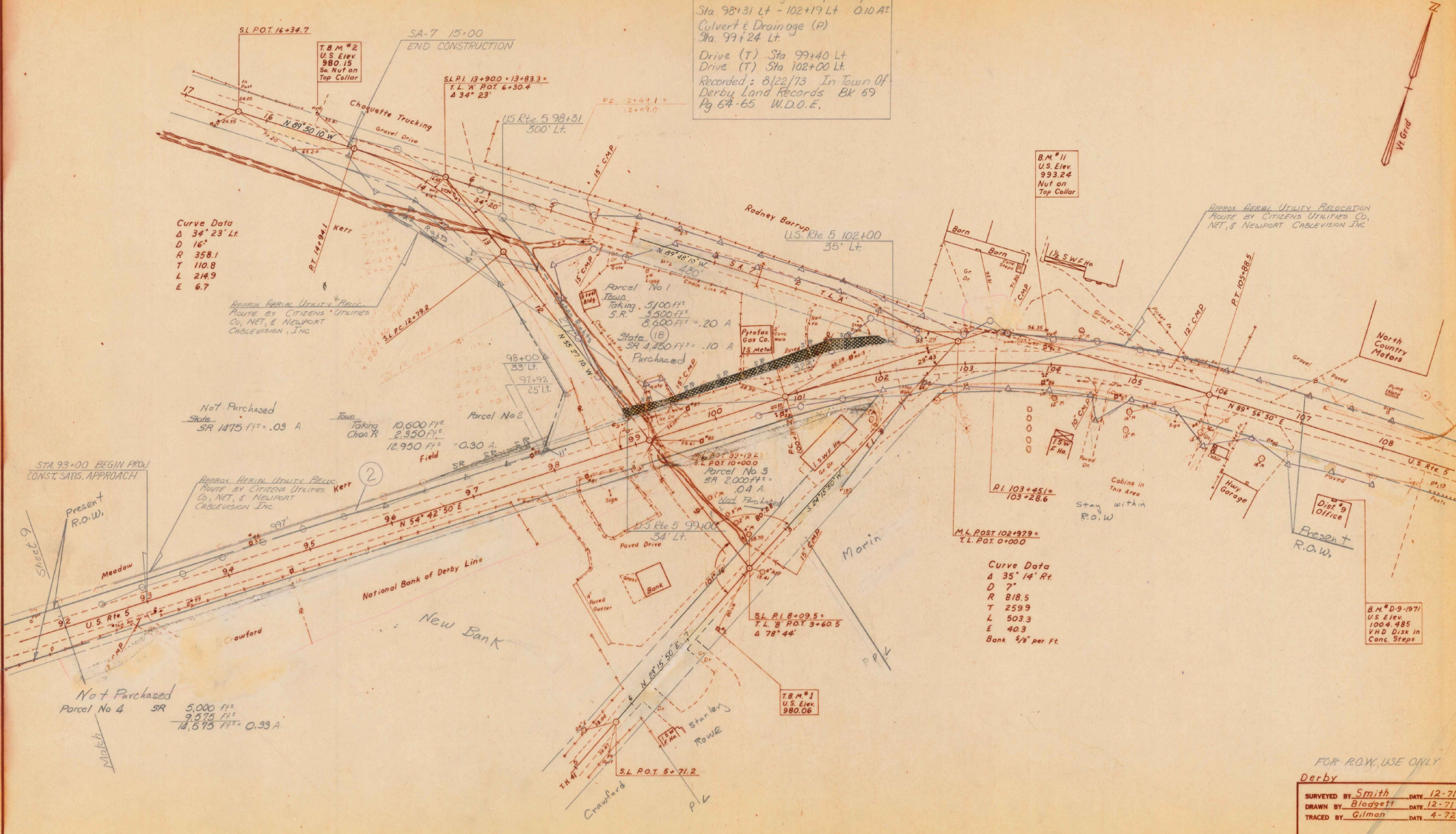


R.O.W.
 Derby

SURVEYED BY	Smith	DATE	12-71
DRAWN BY	Blodgett	DATE	12-71
TRACKED BY	Gilman	DATE	4-72

PROJ. BP NO. 041-5-7310
 SHEET 9 OF 47
 0-7

Parcel #18 Pyrotax Gas Corp.
 Sta 98+31 Lt - 102+19 Lt 0.10 A²
 Culvert & Drainage (P)
 Sta 99+24 Lt
 Drive (T) Sta 99+40 Lt
 Drive (T) Sta 102+00 Lt
 Recorded: 8/22/73 In Town Of
 Derby Land Records BK 69
 Pg 64-65 W.D.O.E.



Curve Data
 Δ 34° 23' Lt
 D 16'
 R 358.1
 T 110.8
 L 214.9
 E 6.7

Not Purchased
 Stake
 SR 1475 11' = .03 A

STA 93+00 BEGIN PROJ
 CONST. SATIS. APPROACH

Curve Data
 Δ 35° 14' Rt
 D 7'
 R 818.5
 T 259.3
 L 503.3
 E 40.3
 Bank 1/8' per Ft.

Not Purchased
 Parcel No 4 SR
 3,000 Ft²
 9,575 Ft²
 14,575 Ft² = 0.33 A

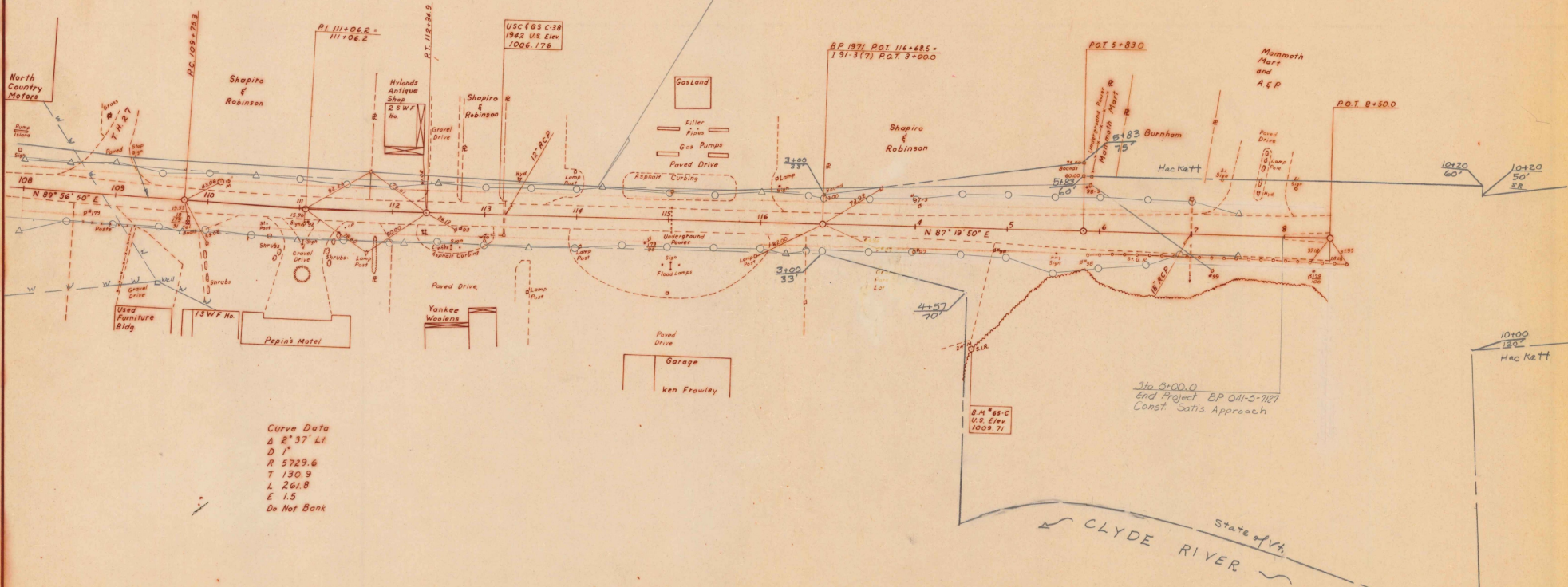
FOR R.O.W. USE ONLY
 Derby

SURVEYED BY Smith DATE 12-71
 DRAWN BY Blodgett DATE 12-71
 TRACED BY Gilman DATE 4-72

PROJ. BP NO. 041-5-7310
 SHEET 10 OF 47



APPROX. AERIAL UTILITY PROPOSAL
ROUTE BY CITIZENS UTILITIES CO.,
NET, & NEWPORT CABLEVISION INC.



Curve Data
Δ 2° 37' Lt
D 7
R 5729.6
T 130.9
L 261.8
E 1.5
Do Not Bank

FOR R.O.M. USE ONLY
Derby

SURVEYED BY Smith DATE 12-71
DRAWN BY Blodgett DATE 12-71
TRACED BY Gilman DATE 4-72

PROJ. BP NO. 041-5-7310
SHEET 11 OF 47

CONSTRUCT DRIVES
 99+45 Lt (Pave)
 102+05 Lt (Pave)
 103+30 Lt (Pave)
 104+63 Rt (Pave)
 105+22 Lt (Pave)
 106+05 Rt (Pave)
 107+00 Lt (Pave)
 107+20 Rt (Pave)
 T.L.A. 4+12 Lt
 = 1+50 Rt

CONSTRUCT APPROACH
 SA 7 12+85 Rt (Pave)
 S.L.P.L. 13+90.0-13+83.3-
 T.L.A. POT 6+30.4
 Δ 34°23'

GUARD RAIL PLANK WITH WOOD POSTS
 T.L.A. 2+45+
 T.L.A. 3+70+

BITUMINOUS CONCRETE CURB WITH WOOD POSTS
 99+20 TYPE 'A' 1+98 Rt
 102+17 Lt - 105+08 Lt
 103+50 Lt - 105+08 Lt
 103+50 Rt - 104+50 Rt
 104+75 Rt - 105+90 Rt
 105+39 Lt - 106+00 Lt 107+92
 106+18 Lt - 107+00 Lt
 107+20 Lt - 108+00 Lt (Island)
 107+40 Rt - 108+00 Rt (Island)

DELINEATORS
 100+00 Lt - 106+00 Lt

Rev Curve Data
 Δ 42°30' Lt
 D 15'-30"
 R 3896.5
 T 143.75
 L 274.19
 2T-L 13.31
 E 26.97

Curve Data
 Δ 34°23' Lt
 D 16'
 R 358.1
 T 110.8
 L 214.9
 E 16.75

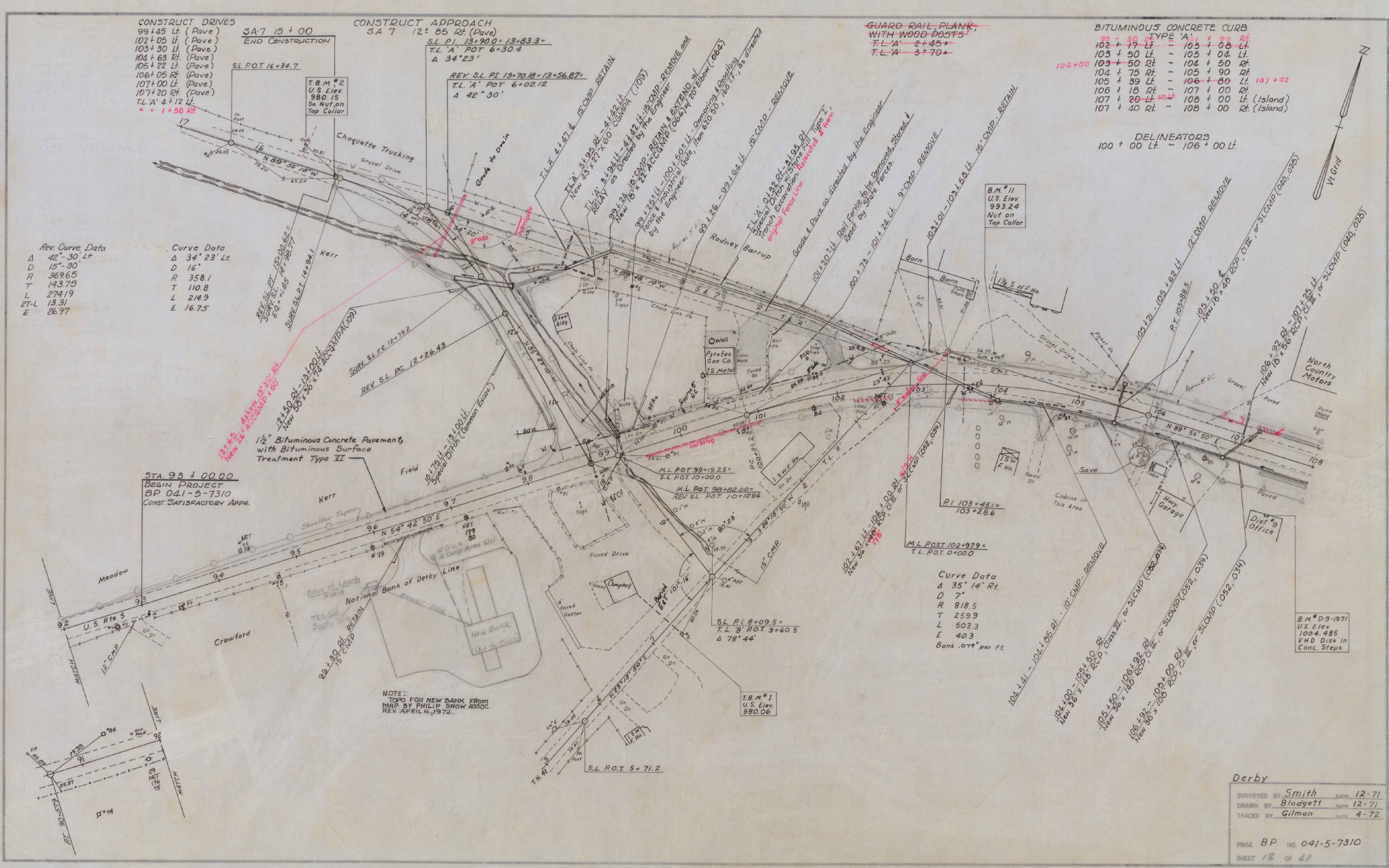
STA 93+00.00
 BEGIN PROJECT
 BP 041-5-7310
 CONST SATISFACTORY APPR.

NOTE:
 TOPO FOR NEW BANK FROM
 MAP BY PHILIP SNOW ASSOC.
 REV. APRIL 4-1972.

Curve Data
 Δ 35°14' Rt
 D 7'
 R 818.5
 T 259.9
 L 503.3
 E 40.3
 Bank .074' per Ft.

Derby
 SURVEYED BY Smith DATE 12-71
 DRAWN BY Bledgett DATE 12-71
 TRACED BY Gilman DATE 4-72

PROJ. BP NO. 041-5-7310
 SHEET 12 OF 47
 DRAWN BY D-7



CONSTRUCT DRIVES

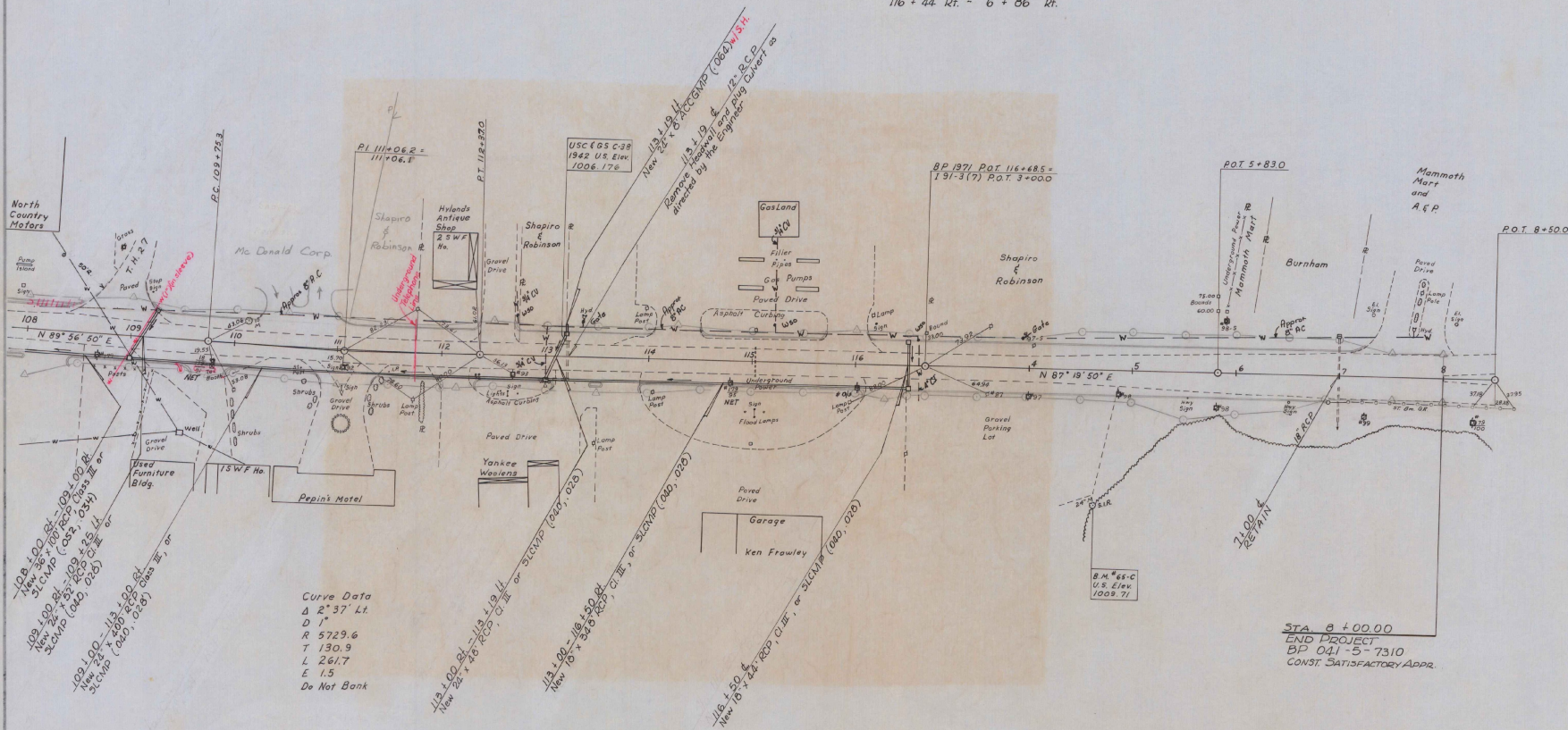
- 108 + 20 Rt. (Pave)
- 109 + 75 Rt. (Pave)
- 110 + 60 Lt. (Pave)
- 111 + 09 Rt. (Pave)
- 112 + 17 Rt. (Pave)
- 112 + 52 Lt. (Pave)
- 113 + 26 Rt. (Pave)
- 113 + 75 Rt. (Pave)
- 114 + 27 Lt. (Pave)
- 115 + 90 Lt. (Pave)
- 116 + 30 Rt. (Pave)

CONSTRUCT APPROACH

- 108 + 85 Lt. (T.H. 27) (Pave)

BITUMINOUS CONCRETE CURB
TYPE 'A'

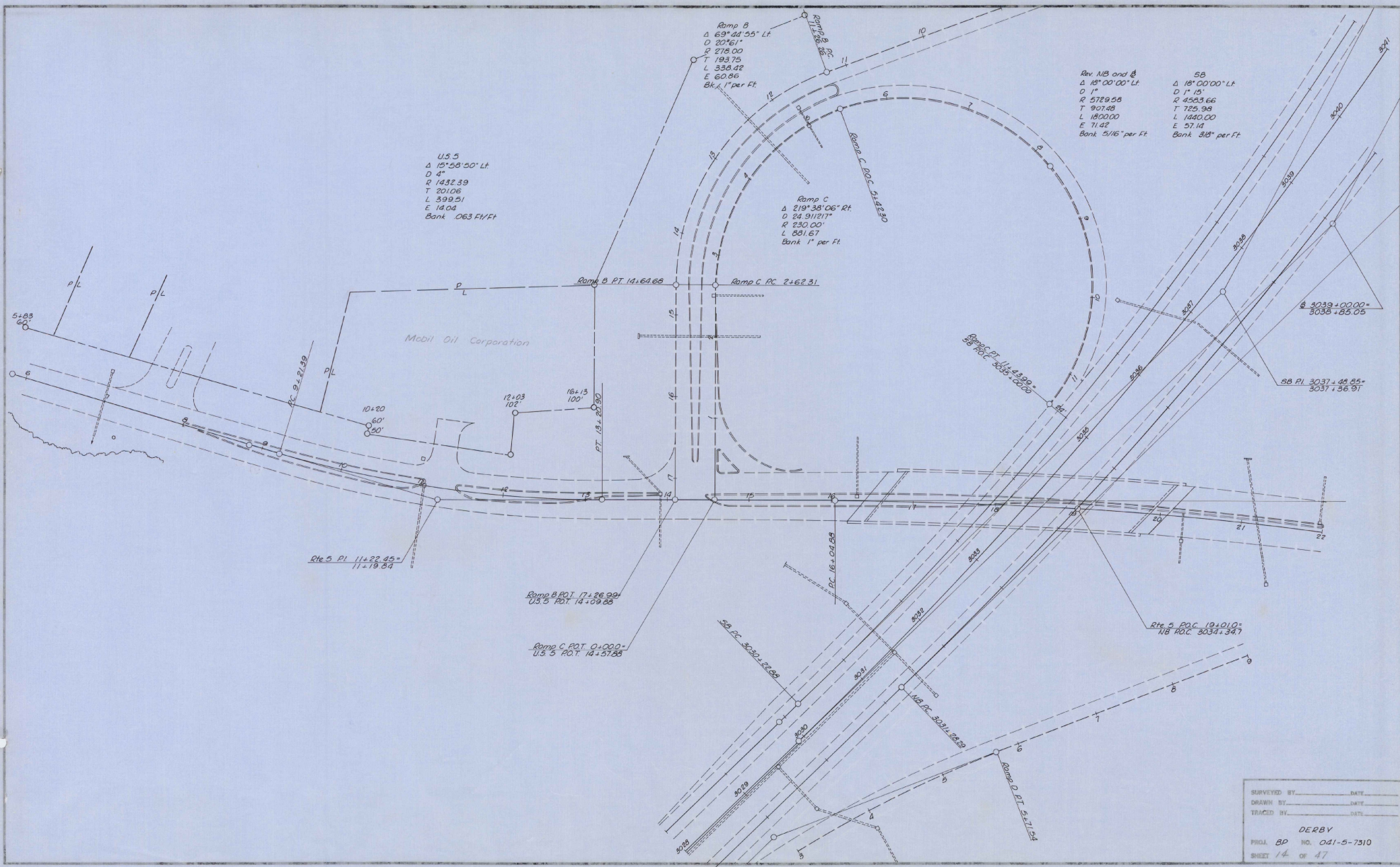
- 108 + 00 Lt. - 108 + 50 Lt. (Island)
- 108 + 40 Rt. - 109 + 60 Rt.
- 109 + 19 Lt. - 110 + 25 Lt.
- 109 + 90 Rt. - 110 + 85 Rt. - 109 + 62 - 109 + 85 Rt. (Island)
- 111 + 00 Lt. - 112 + 37 Lt.
- 111 + 33 Rt. - 112 + 02 Rt.
- 112 + 32 Rt. - 113 + 08 Rt.
- 112 + 70 Lt. - 114 + 05 Lt.
- 113 + 43 Rt. - 113 + 55 Rt. (Island)
- 113 + 90 Rt. - 116 + 09 Rt.
- 114 + 50 Lt. - 115 + 72 Lt.
- 116 + 11 Lt. - 7 + 24 Lt.
- 116 + 44 Rt. - 6 + 36 Rt.



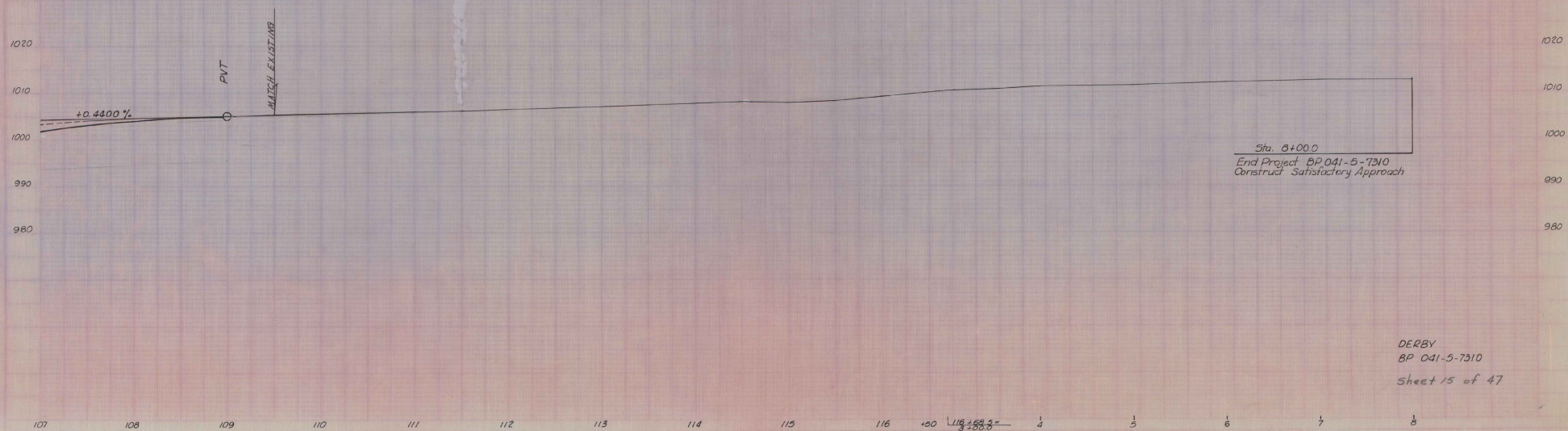
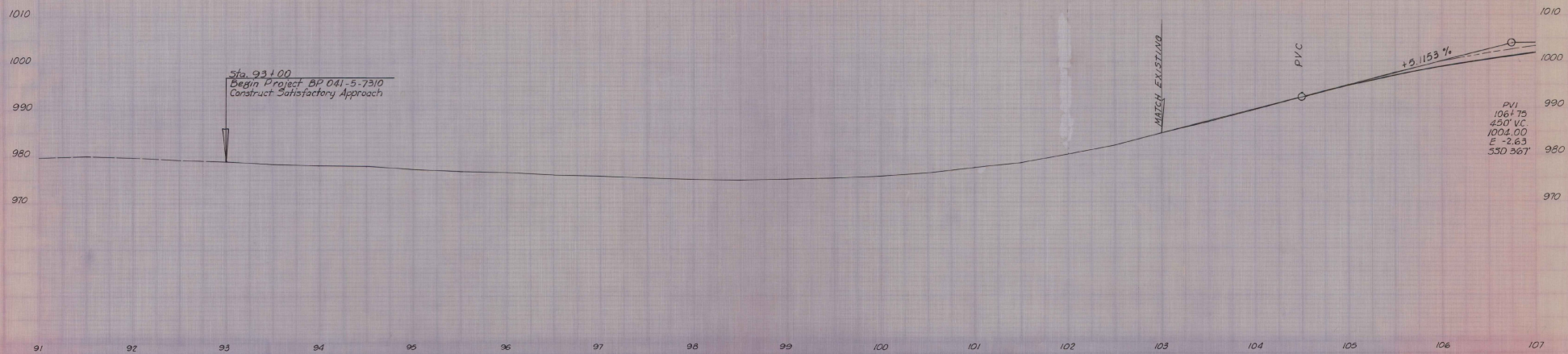
Curve Data
 Δ 2° 37' Lt
 D 1'
 R 5729.6
 T 130.9
 L 261.7
 E 1.5
 Do Not Bank

STA 8 + 00.00
 END PROJECT
 BP 041-5-7310
 CONST. SATISFACTORY ADDR.

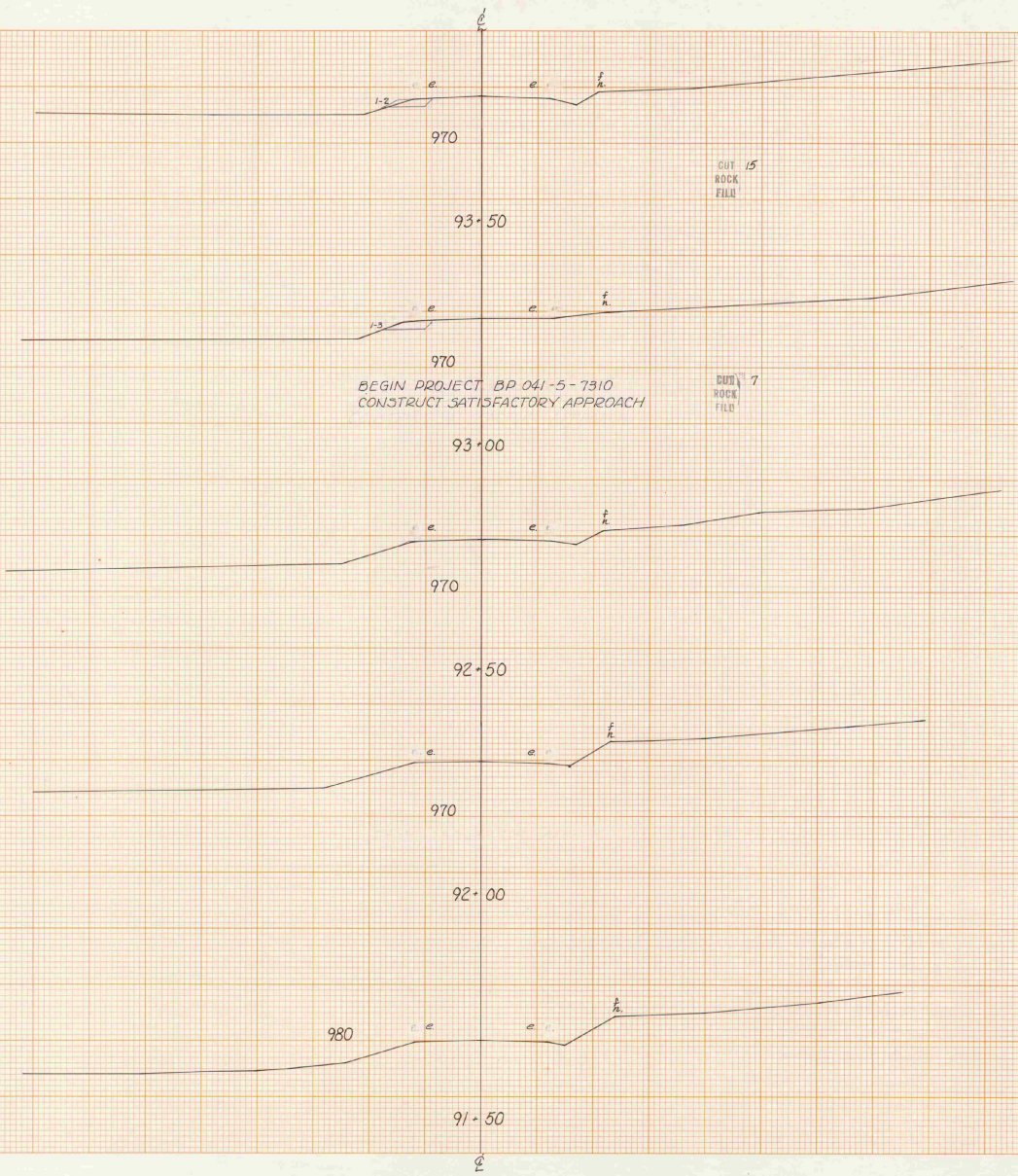
Derby
 SURVEYED BY Smith DATE 12-71
 DRAWN BY Blodgett DATE 12-71
 TRACED BY Gilman DATE 4-72
 PROJ. BP NO. 041-5-7310
 SHEET 13 OF 47



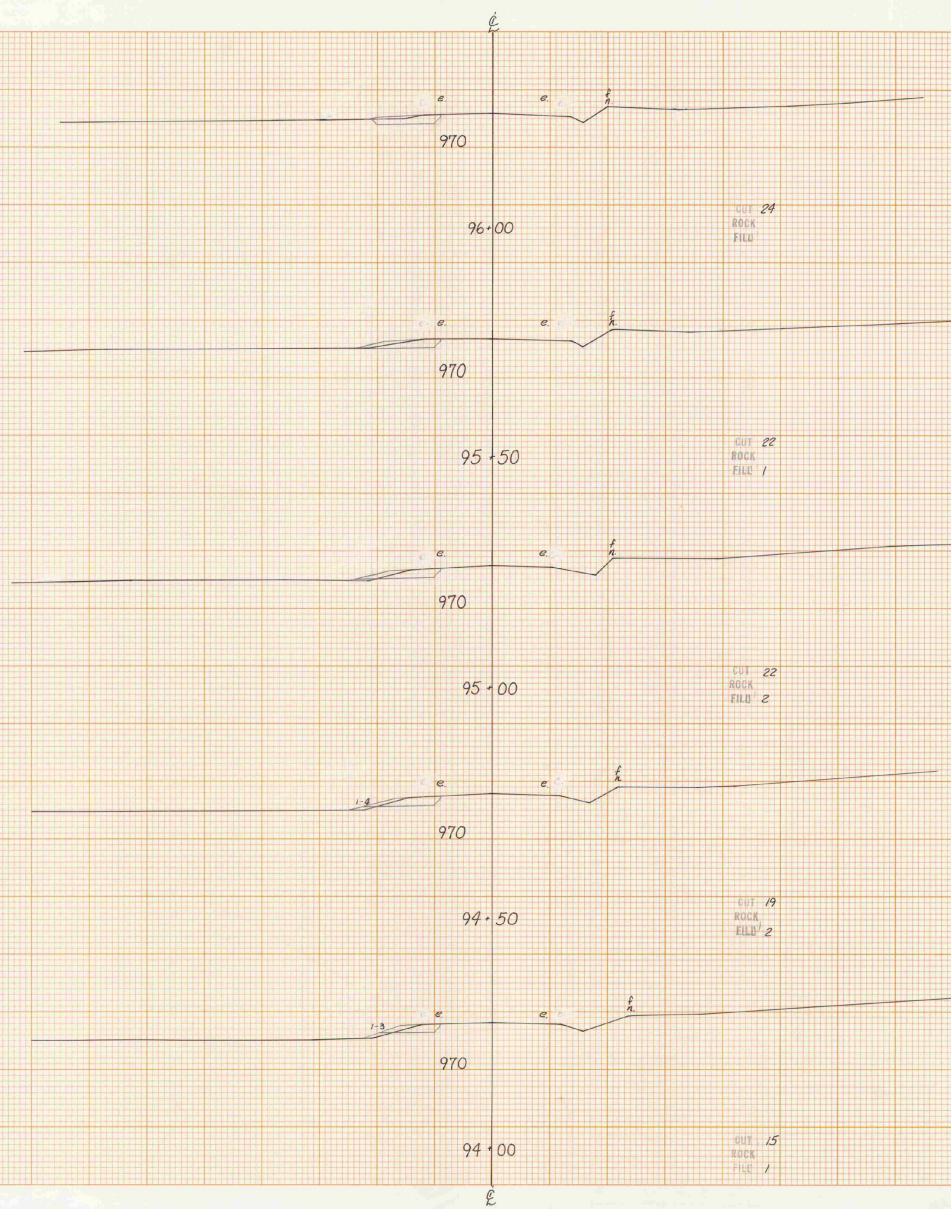
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 DRAWN BY: _____ DATE: _____
 TRACED BY: _____ DATE: _____
 DERBY
 PROJ. BP NO. 021-5-7310
 SHEET 14 OF 47
 D-7



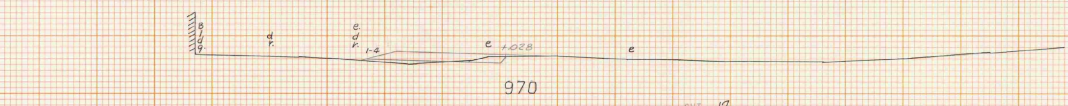
DERBY
BP 041-5-7310
Sheet 15 of 47



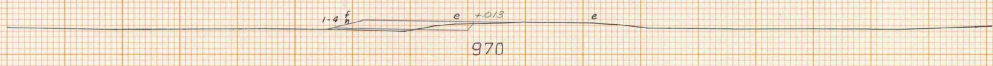
STA	91+50	STA	93+50
TOWN	DERBY		
PROJECT	BP	041-5-7310	
SHEET	20	47	SHEETS
	0	30	50
SURVEYED BY		DATE	
STEVENS		12-71	



STA	94+00	STA	96+00
TOWN	DERBY		
PROJECT	DP	041-5-7310	
SHEET	31	47	SHEET
HORIZ. AND VERT. SCALE			
1"	=	10'	1"
SURVEYED BY: STREYENS DATE: 12-71			



100+50



100+00



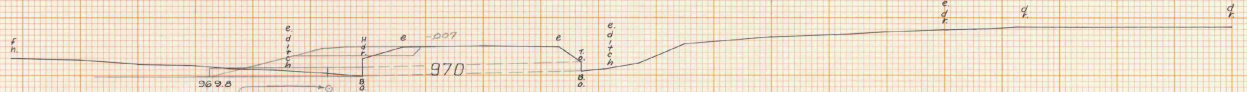
99+26 - 99+64 Lt
18' CMP REMOVE

970

99+45 Lt
Construct Drive (Pave)
99+25 ± Lt - 100+50 ± Lt.
Remove & Reset Fence & Industrial Gate

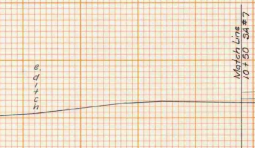
99+50
Drive Lt

CUT 36
ROCK
FILL 9



99+24
10' CMP, Retain & Extend with
New 18" x 24" 90° CBMP (066) with
20° Elbow (064). Remove Headwall.

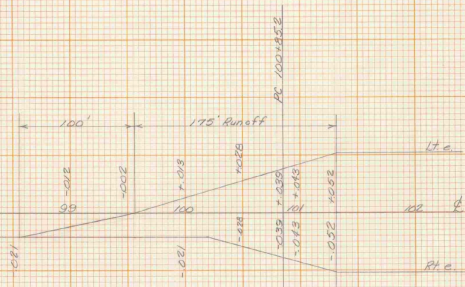
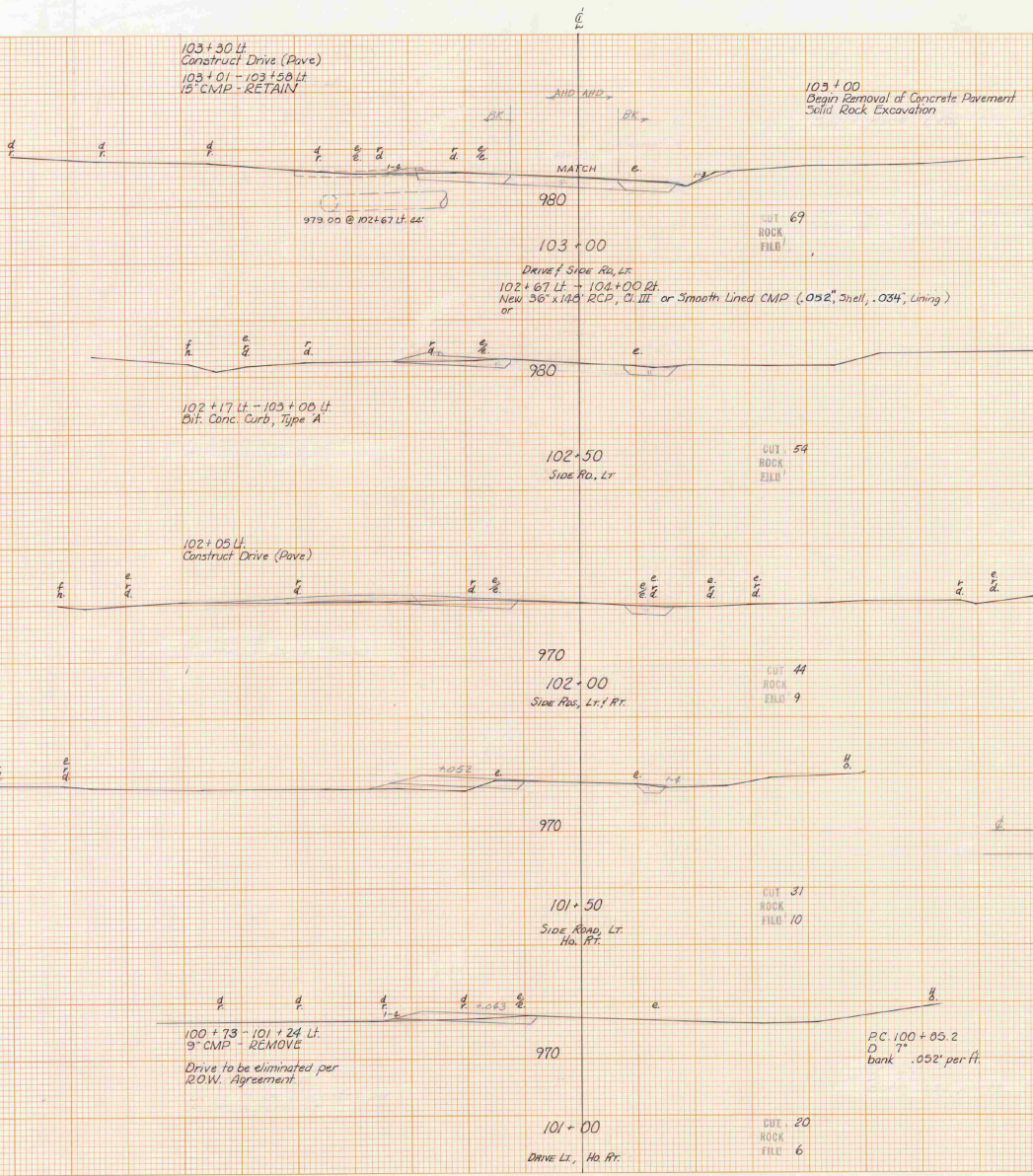
99+24
10' CMP



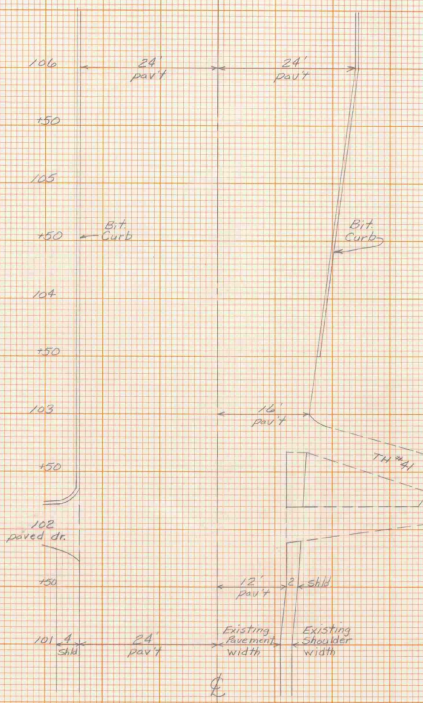
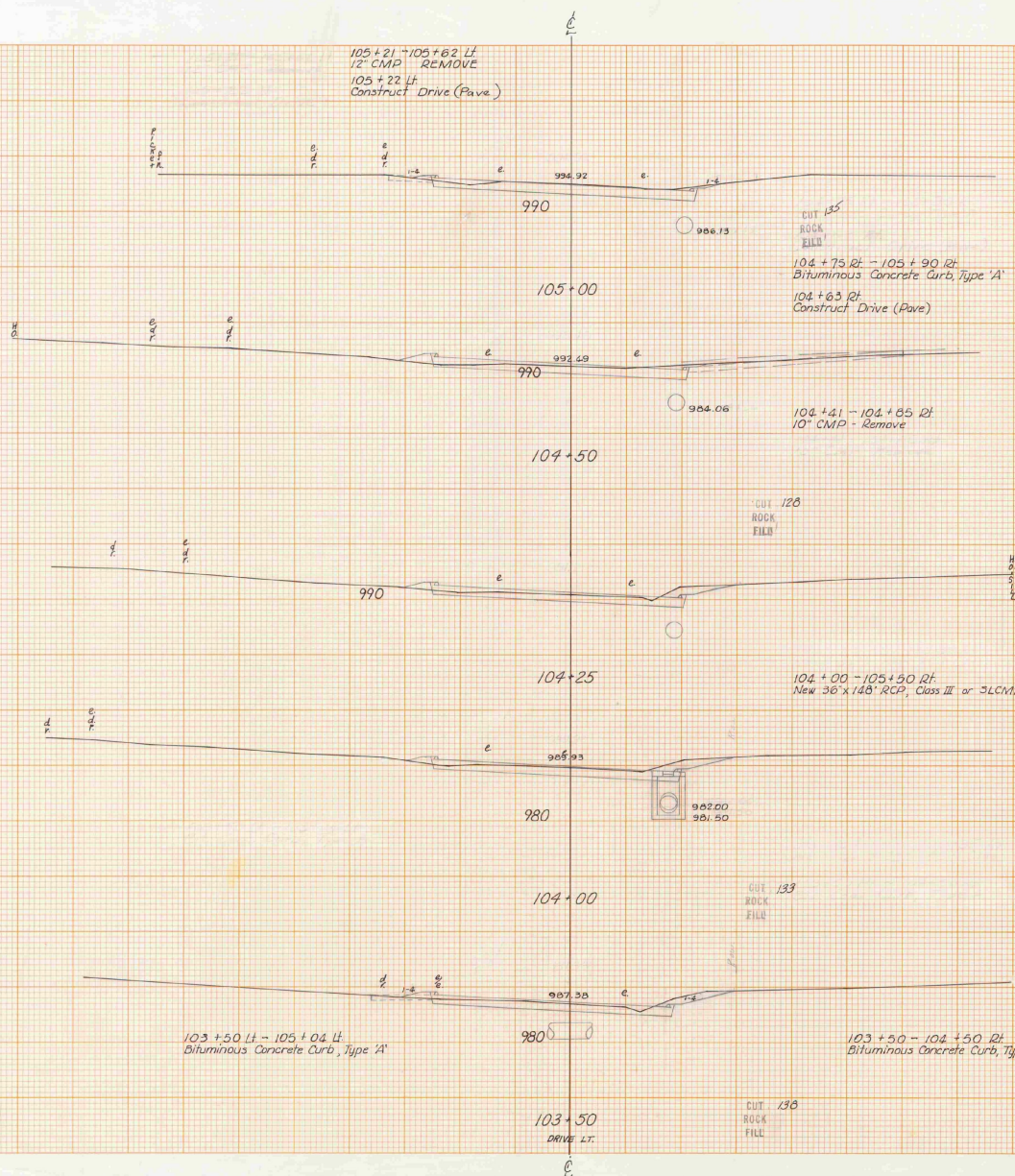
99+00
Bank Drive Rt.

CUT 35
ROCK
FILL 9

STA.	99+00	STA.	100+50
TOWN	DERRY		
PROJECT	BP NO. 071-S-7310		
SHEET	33	OF	47 SHEETS
HORIZ. AND VERT. SCALE			
0	10	20	
SURVEYED BY: STEVENS		DATE: 12-71	

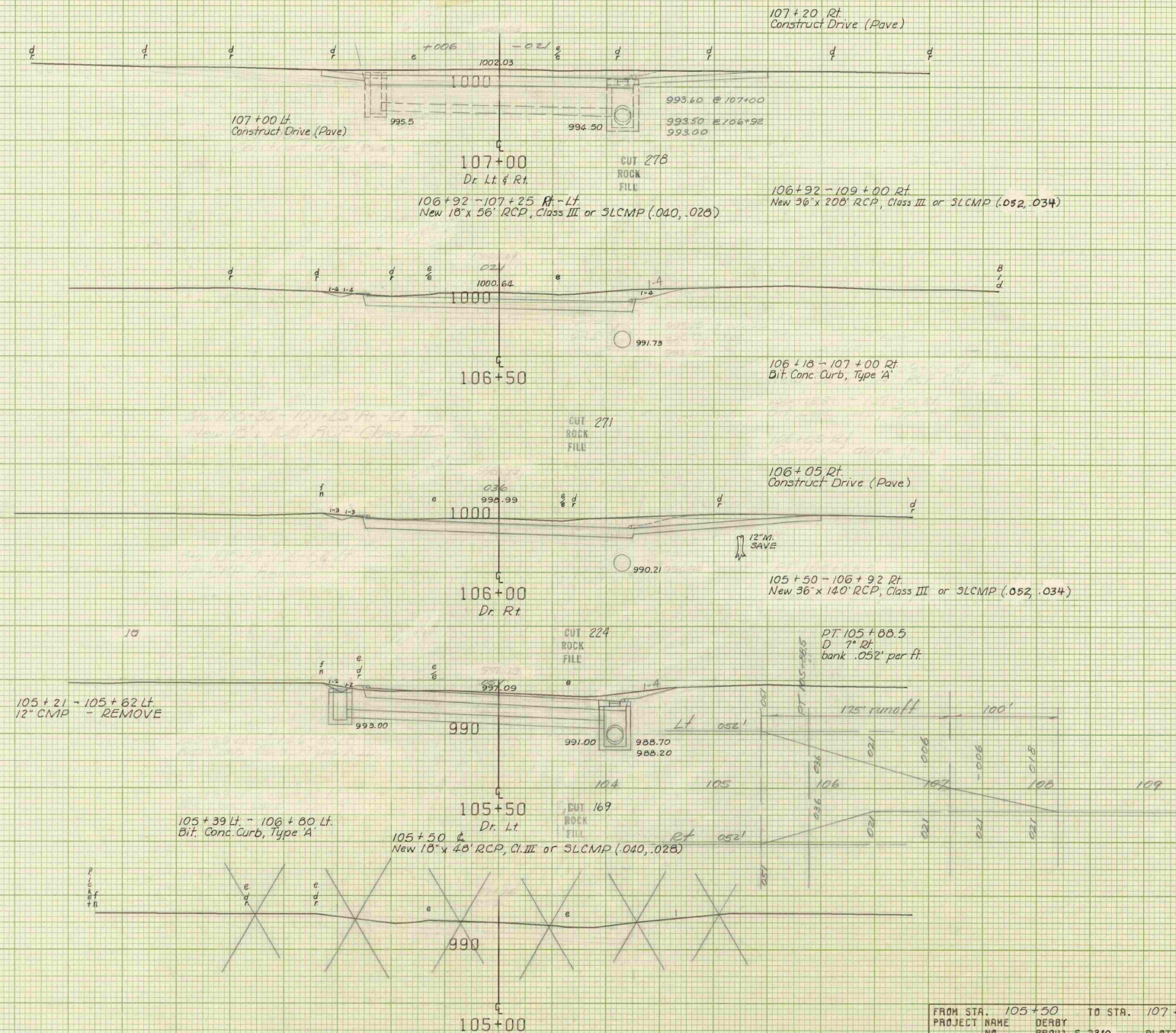


STA.	101+00	STA.	103+00
TOWN	DERBY		
PROJECT	BP	NO.	041-5-7310
SHEET	29	OF	47 SHEETS
HORIZ. AND VERT. SCALE			
1" = 20'			
SURVEYED BY: <i>S. Scrimis</i> DATE: 12-97			



Shoulder & Pavement Details

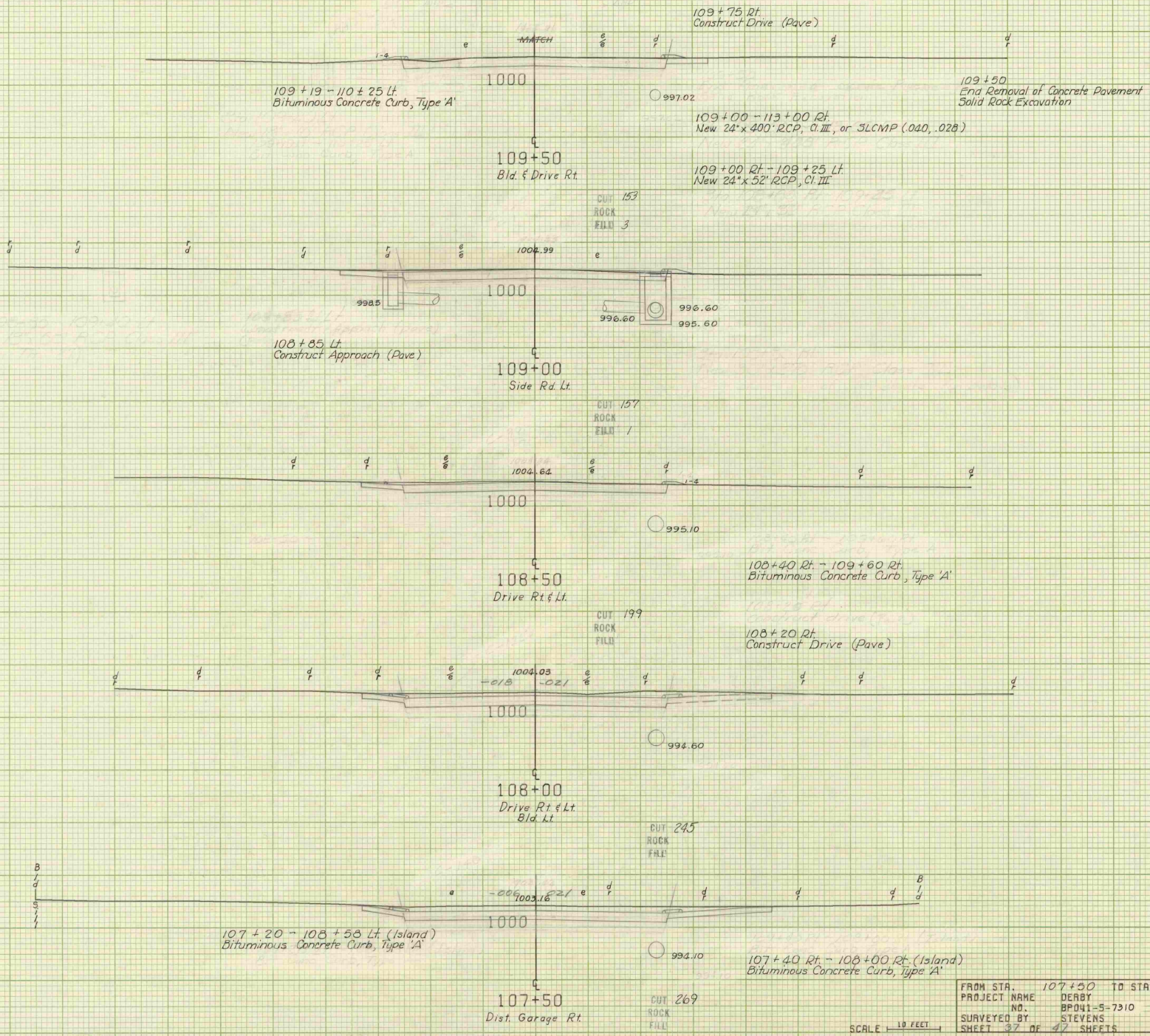
STA	103+50	STA	105+00
TOWN	DERBY		
PROJECT	BP	NO.	041-5-7310
SHEET	35	OF	47
SCALE: HORIZONTAL AND VERTICAL			
1" = 10'			
SURVEYED BY: STEVENS			
DATE: 12-71			



FROM STA. 105+50 TO STA. 107+00
 PROJECT NAME: DEBAY
 NO.: BFD11-5-7310
 SURVEYED BY: STEVENS
 SHEET 36 OF 47 SHEETS

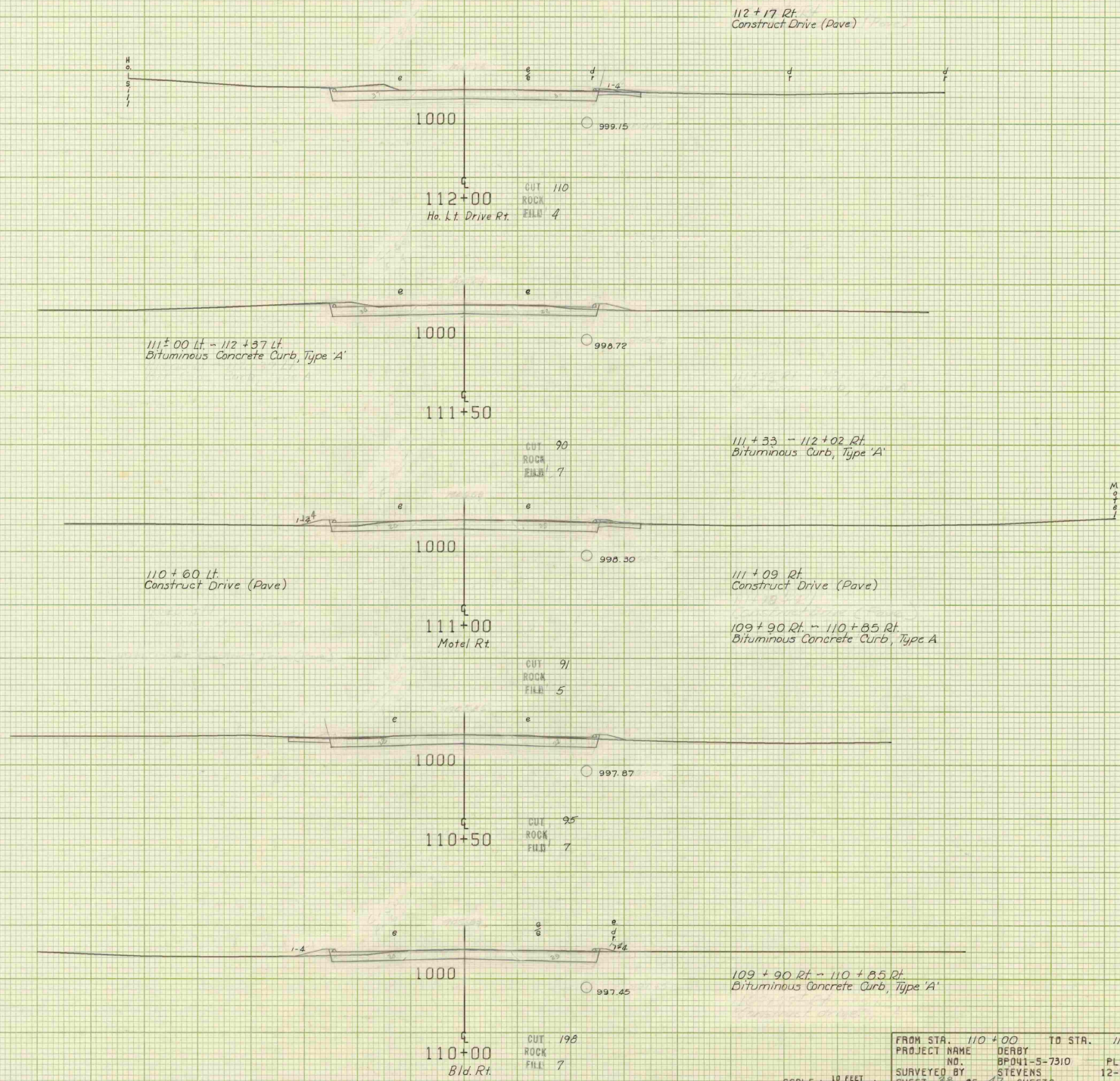
SCALE 1" = 10 FEET

PLOTTED 01/07/72
 12-71



FROM STA.	107+50	TO STA.	109+50
PROJECT NAME	DERBY		
NO.	SP41-5-7310		
SURVEYED BY	STEVENS		
SHEET	37	OF	47 SHEETS
			12-71

SCALE 1" = 10 FEET



112 + 17 Rt.
Construct Drive (Pave)

1000

112+00
Ho. Lt. Drive Rt.

CUT 110
ROCK
FILL 4

999.75

1000

111+00 Lt. - 112+37 Lt.
Bituminous Concrete Curb, Type 'A'

111+50

CUT 90
ROCK
FILL 7

999.72

111 + 33 - 112 + 02 Rt.
Bituminous Curb, Type 'A'

1000

110 + 60 Lt.
Construct Drive (Pave)

111+00
Motel Rt

CUT 91
ROCK
FILL 5

999.30

111 + 09 Rt.
Construct Drive (Pave)

109 + 90 Rt. - 110 + 85 Rt.
Bituminous Concrete Curb, Type A

1000

110+50

CUT 95
ROCK
FILL 7

997.87

1000

110+00
Bid. Rt.

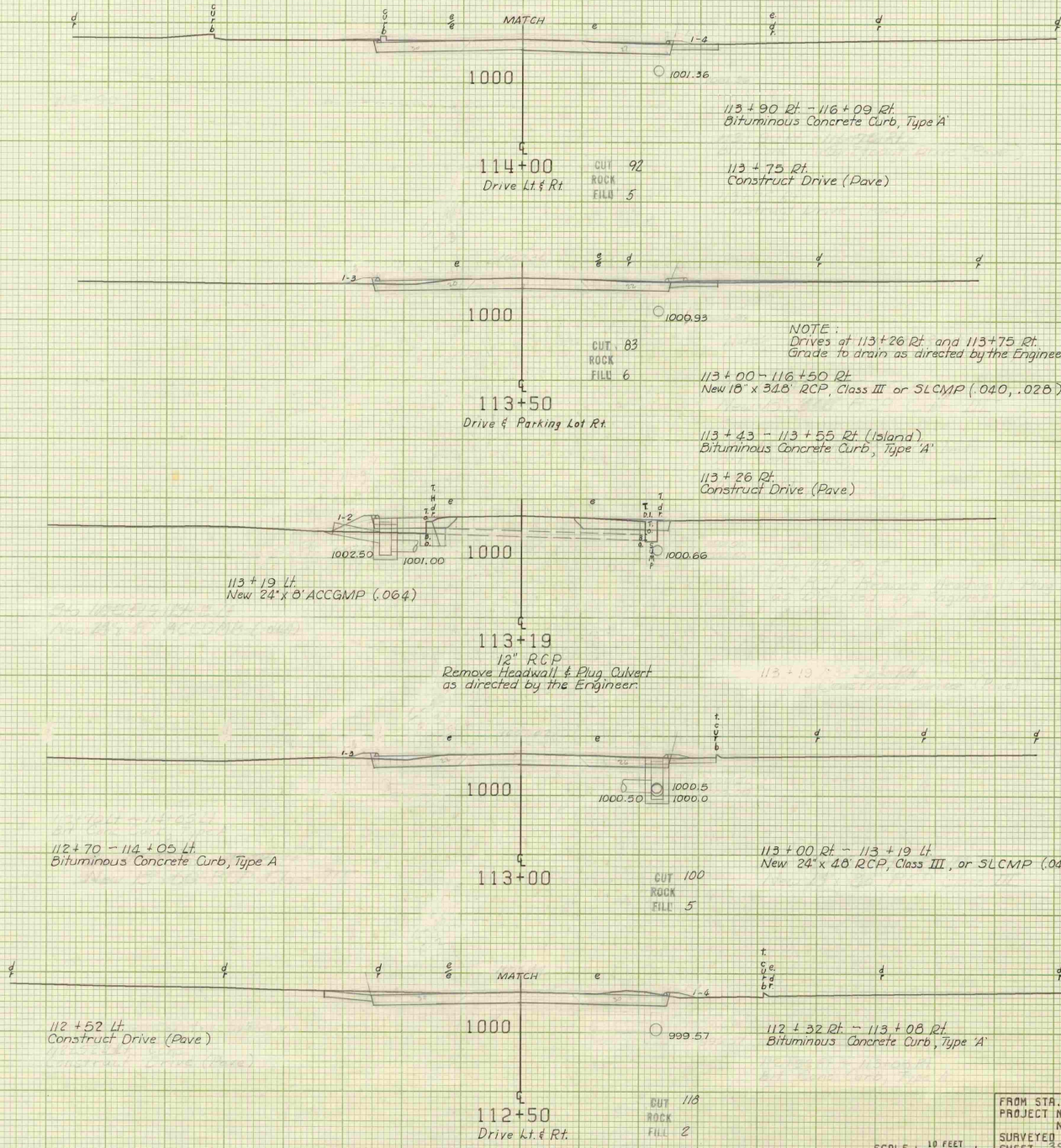
CUT 198
ROCK
FILL 7

997.85

109 + 90 Rt. - 110 + 85 Rt.
Bituminous Concrete Curb, Type 'A'

FROM STA.	110 + 00	TO STA.	112 + 00
PROJECT NAME	DERBY		
NO.	BPO41-5-7310		
SURVEYED BY	STEVENS	PLOTTED	01/07/72
SHEET 38 OF 47 SHEETS		12-71	

SCALE 1" = 10 FEET



113+90 Rt. - 116+09 Rt.
Bituminous Concrete Curb, Type A'

113+75 Rt.
Construct Drive (Pave)

NOTE:
Drives of 113+26 Rt. and 113+75 Rt.
Grade to drain as directed by the Engineer

113+00 - 116+50 Rt.
New 18" x 34.8' RCP, Class III or SLCMP (.040, .028)

113+43 - 113+55 Rt. (Island)
Bituminous Concrete Curb, Type A'

113+26 Rt.
Construct Drive (Pave)

113+19 Lt.
New 24" x 48' ACCGMP (.064)

113+19
12" RCP
Remove Headwall & Plug Culvert
as directed by the Engineer.

112+70 - 114+05 Lt.
Bituminous Concrete Curb, Type A

113+00 Rt. - 113+19 Lt.
New 24" x 48' RCP, Class III, or SLCMP (.040, .028)

112+52 Lt.
Construct Drive (Pave)

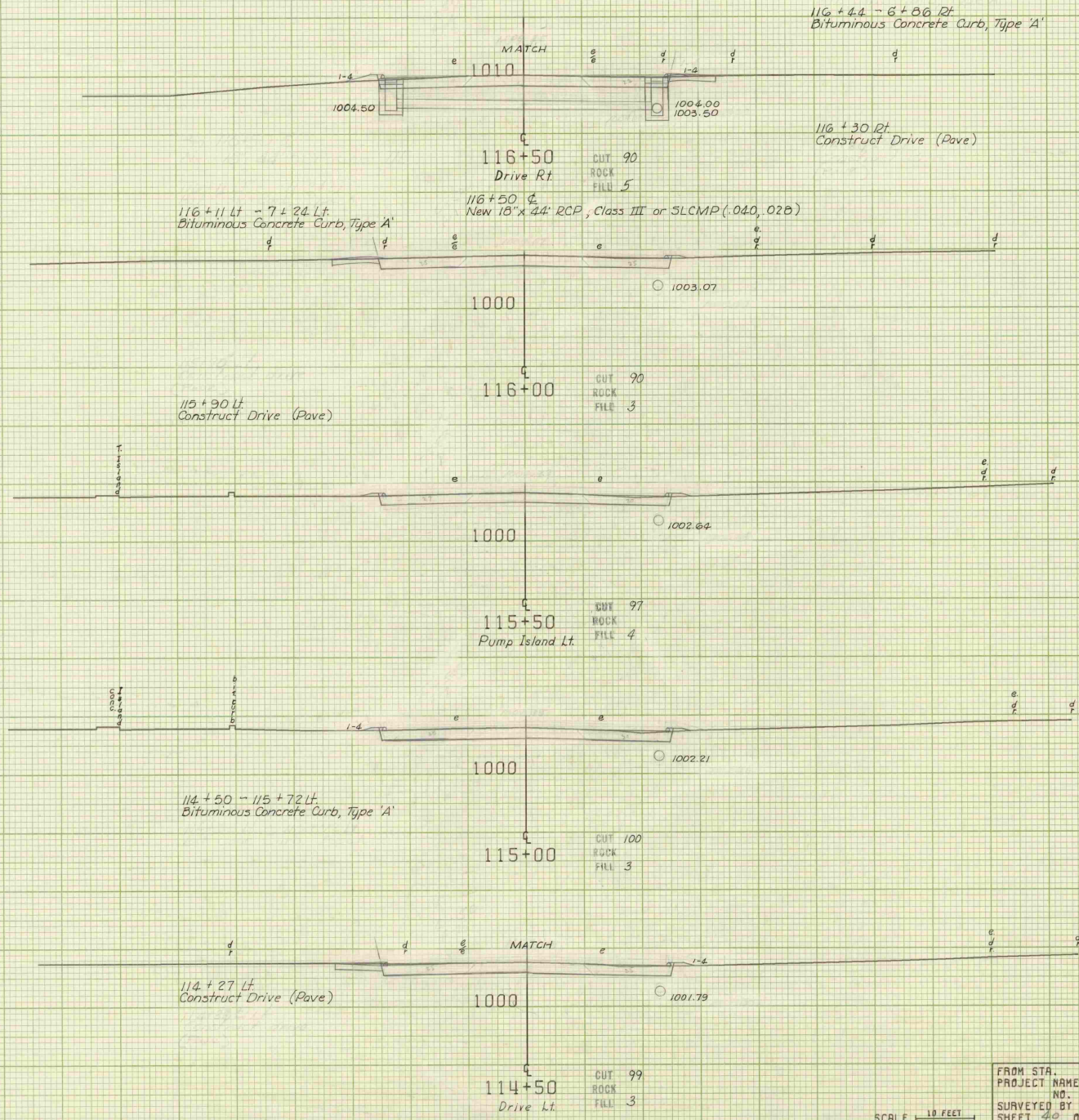
112+32 Rt. - 113+08 Rt.
Bituminous Concrete Curb, Type A'

FROM STA.	112+50	TO STA.	114+00
PROJECT NAME	DERBY		
NO.	BPO41-5-7310		
SURVEYED BY	STEVENS		
SHEET	39	OF	47 SHEETS

SCALE 1" = 10 FEET

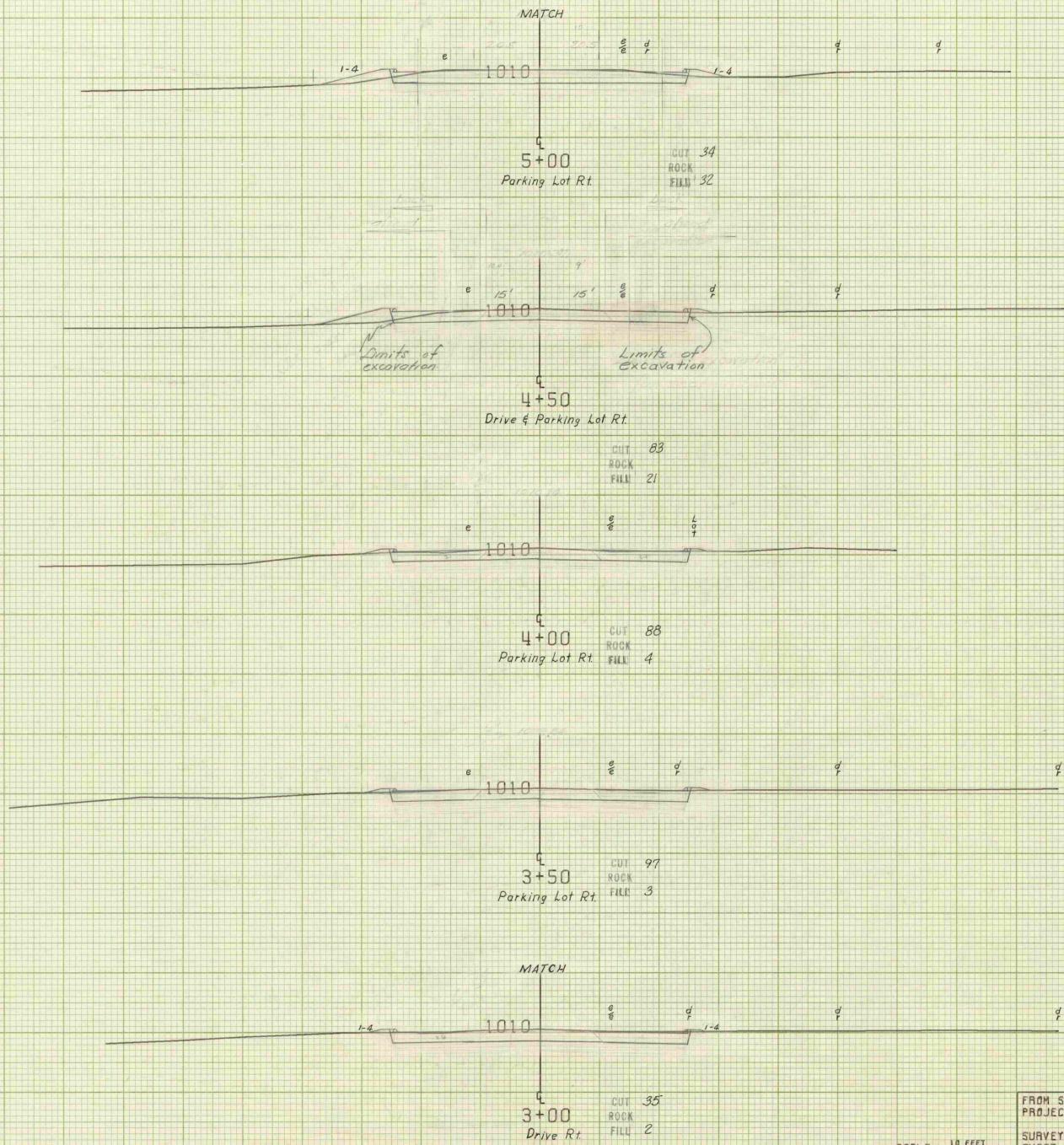
12-71

116+68.5 = *(116+30.00) + 38.5*
3+00
(No \neq Equation)

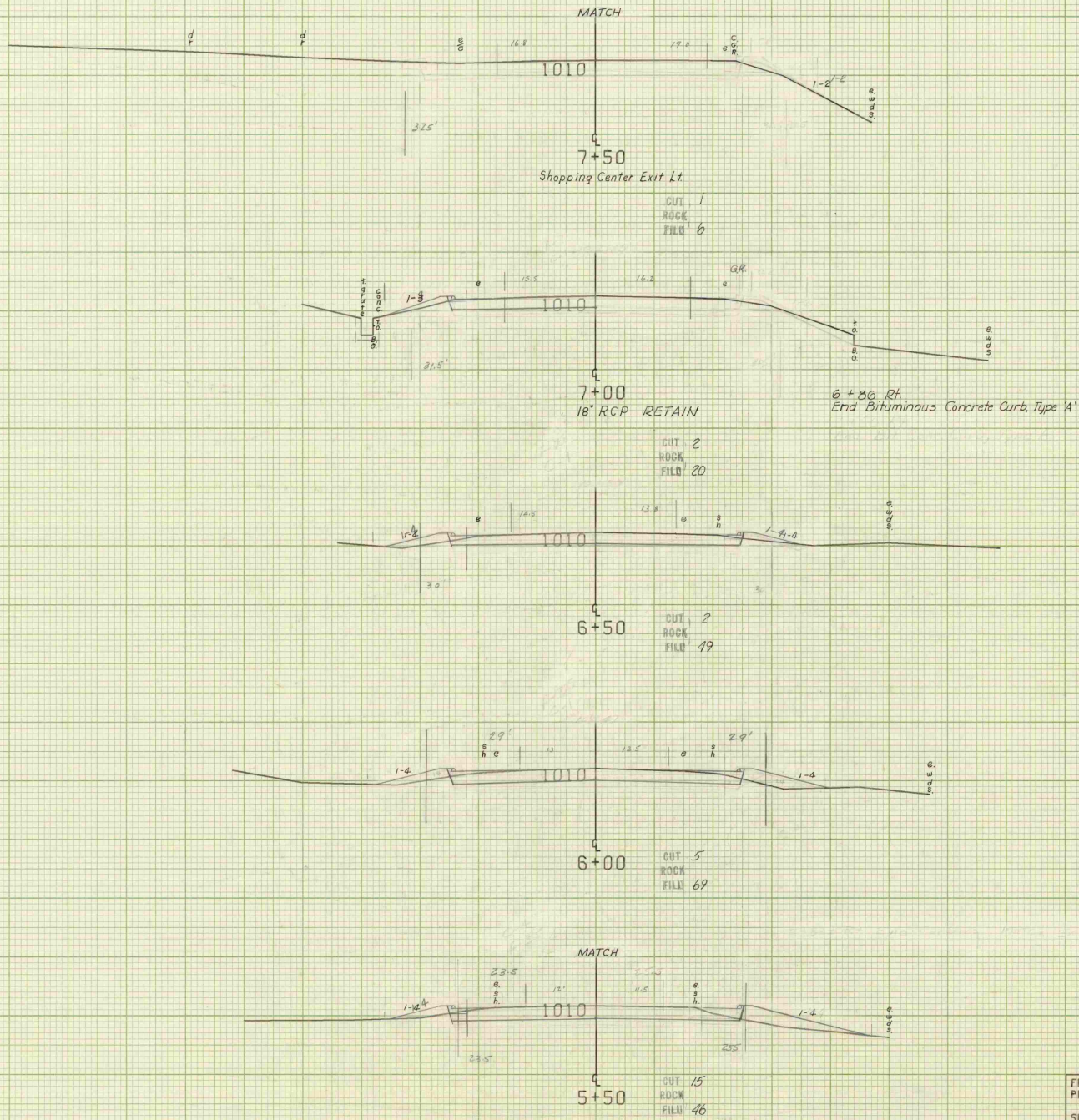


FROM STA. 114+50 TO STA. 116+50
PROJECT NAME DERBY
NO. BPO41-5-7310 PLOTTED 01/07/72
SURVEYED BY STEVENS 12-71
SHEET 40 OF 47 SHEETS

SCALE 10 FEET



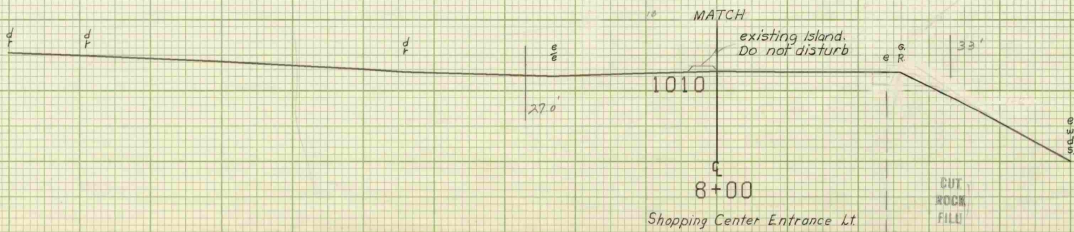
FROM STA.	3+00	TO STA.	5+00
PROJECT NAME	DERBY		
NO.	BP041-S-7510		PLOTTED 01/07/72
SURVEYED BY	STEVENS		12-71
SHEET	41	OF	47 SHEETS



FROM STA. 5+50 TO STA. 7+50
 PROJECT NAME DERBY
 NO. BPO41-5-7310 PLOTTED 01/07/72
 SURVEYED BY STEVENS 12-71
 SHEET 42 OF 47 SHEETS

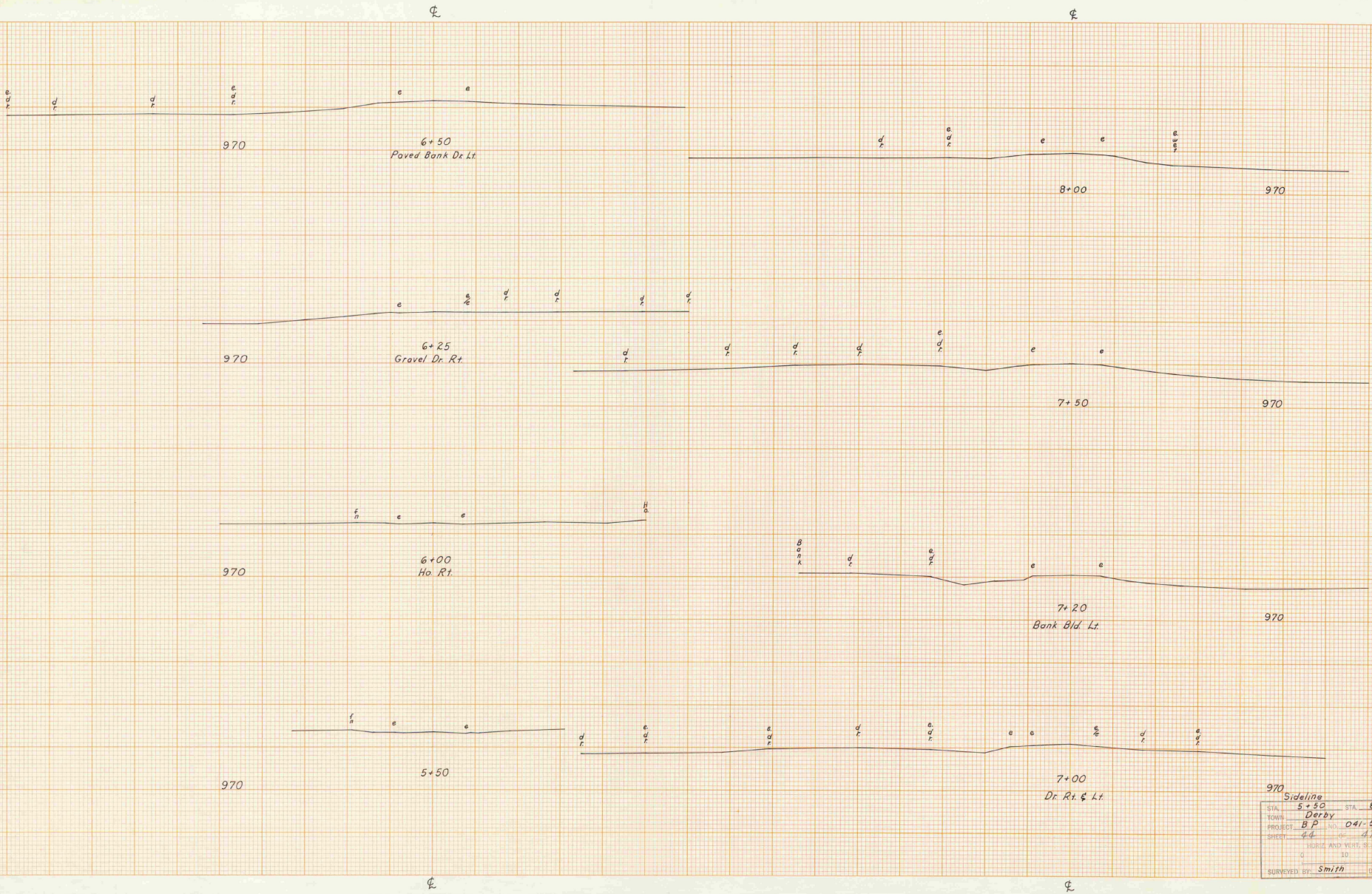
SCALE 1" = 10 FEET

8+00.0
END PROJECT BP 041-5-7310
CONSTRUCT SATISFACTORY
APPROACH

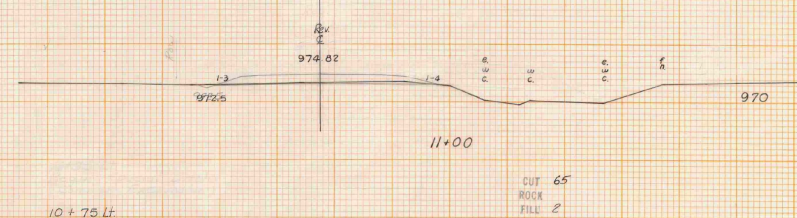
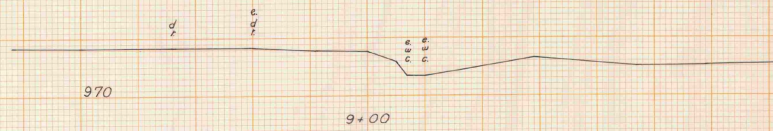
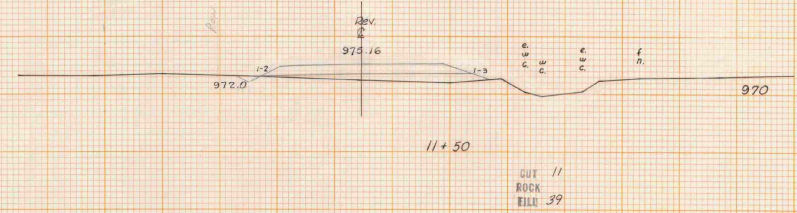
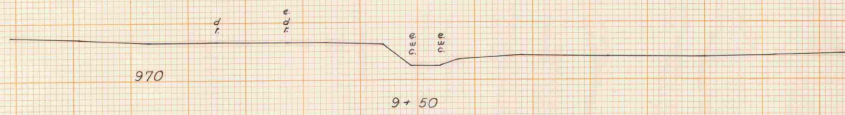
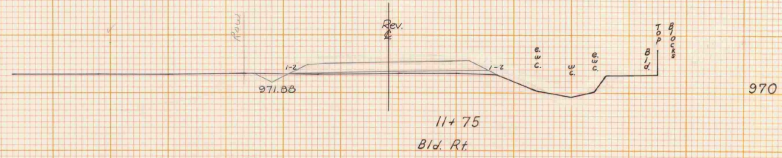
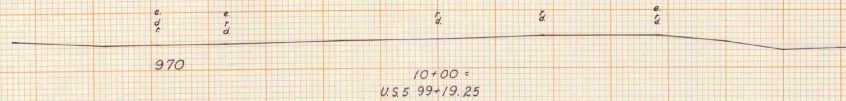


FROM STA.	8+00	TO STA.	
PROJECT NAME	DERBY		
PROJECT NO.	BP041-5-7310	PLOTTED	01/07/72
SURVEYED BY	STEVENS		12-71
SHEET	93	OF	97 SHEETS

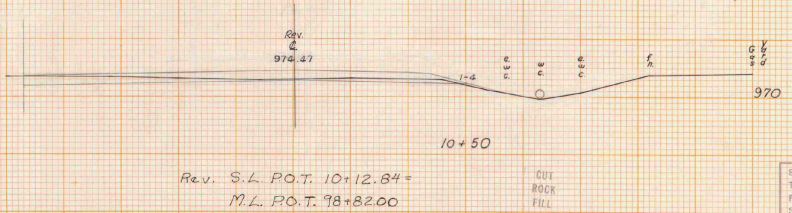
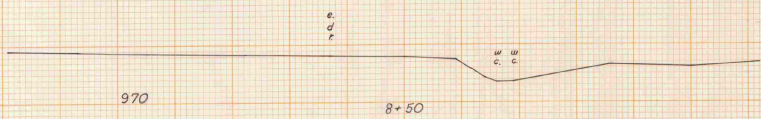
SCALE 1" = 10 FEET



970 Sideline	
STA. 5+50	STA. 8+00
TOWN Derby	
PROJECT B.P.	041-5-7310
SHEET 44	47 SHEETS
HORIZ. AND VERT. SCALE	
H	10
V	20
SURVEYED BY Smith	DATE Dec. 71

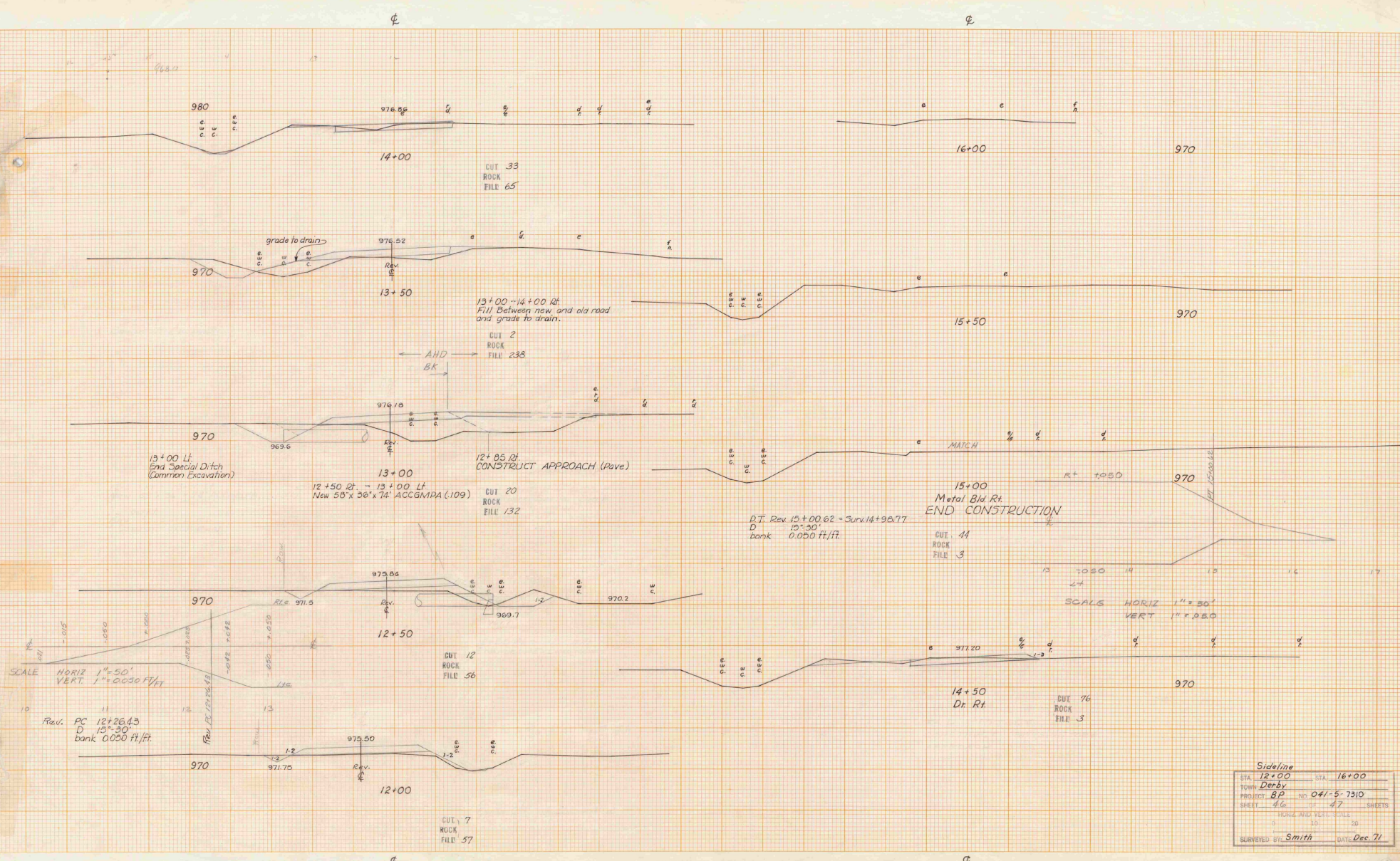


10+75 Lt.
Begin Special Ditch
(Common Excavation)



Rev. S.L. P.O.T. 10+12.84 =
M.L. P.O.T. 98+82.00

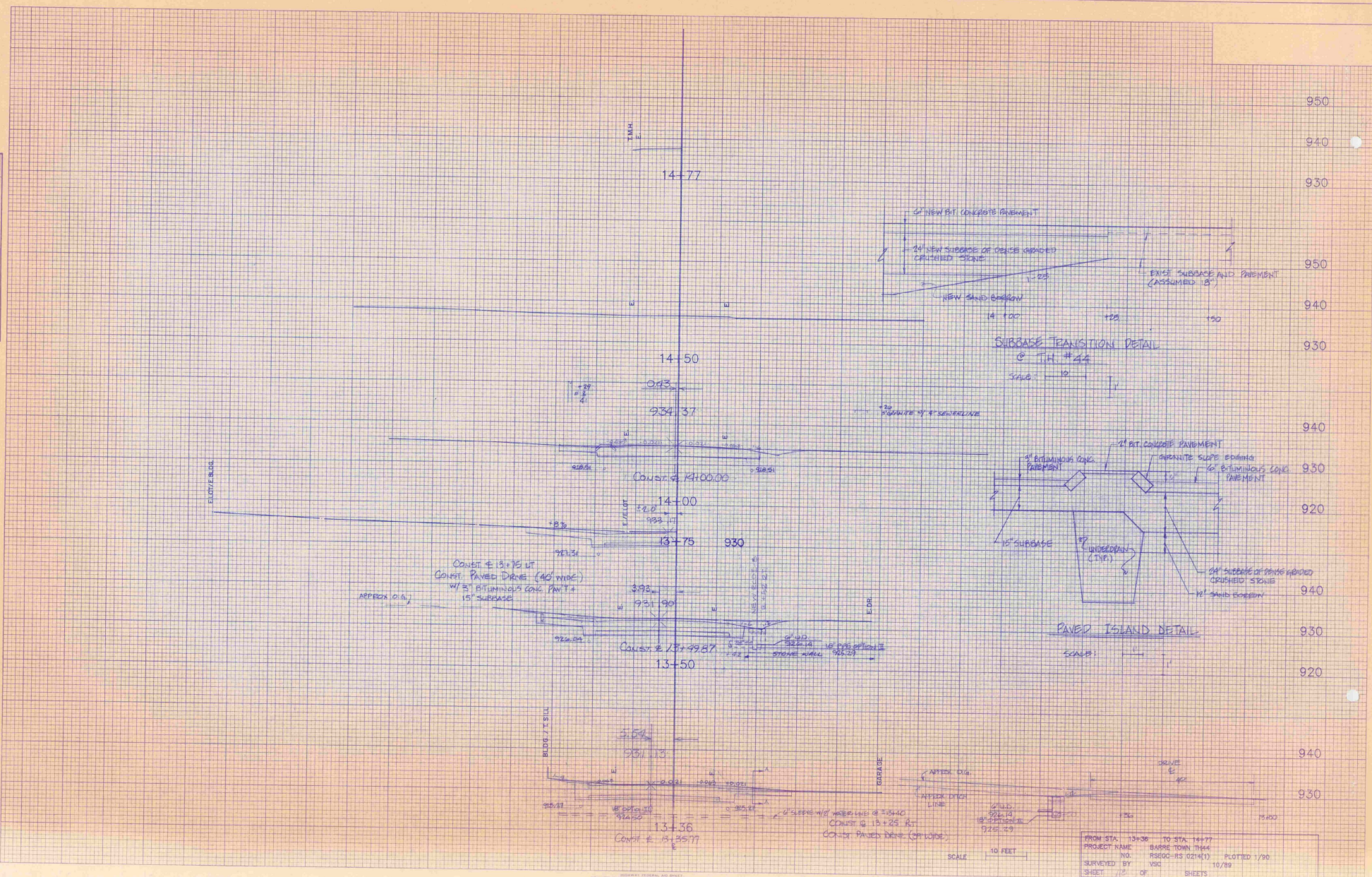
Sideline	
STA. 8+50	STA. 11+75
TOWN Derby	
PROJECT 8P	NO. 041-5-7310
SHEET 43	OF 47 SHEETS
HORIZONTAL SCALE: 1" = 20'	
VERTICAL SCALE: 1" = 10'	
SURVEYED BY Smith	DATE Dec. 71



Sideline	
STA 12+00	STA 16+00
TOWN Derby	
PROJECT 8P	NO 041-5-7310
SHEET 46	SHEETS 17
SURVEYED BY: Smith DATE: Dec 71	

DATE: _____
 BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 PROJECT NO.: _____
 SHEET NO.: _____

DATE: _____
 BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 PROJECT NO.: _____
 SHEET NO.: _____



FROM STA. 13+36 TO STA. 14+77
 PROJECT NAME: BARRIE TOWN 11666
 PROJECT NO.: P800-15 (2141)
 SURVEYED BY: VSC
 SHEET 15 OF 17 SHEETS
 PLOTTED 1/90
 DATE: 10/89

PLATE 3-FULL CROSS SECTION FULL LINE
 10/89

Box 1667

INITIALS

PHASE 1-INTERSTATE
Transportation
#122302-01
DONE

INITIALS

Vermont Agency of

Derby

BP 041-5-7310

1972

1972