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- 16 B-5 Embankment on Earth Slope 12-6-71
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GENERAL NOTES

For rounding of slopes, see standard sheet B-5.
Steel marker posts, item 619.16, to be placed as directed by the Engineer.

Fertilizer, item 651.15, shall be mixed as follows:
Nitrogen 10 %
Phosphorus 20 %
Potash 10 % (20% for sandy soil)

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

Agricultural Limestone, item 651.20, to be applied to all earth slopes at the rate of two tons per acre or as directed by the Engineer.

Hay Mulch, item 651.25, to be placed on all earth slopes at the rate of two tons per acre.

RECORD PLANS-MATERIAL SUPPLIERS

CONTRACTOR - WINTERSET INC., WESTBURKE, VT. CONTRACT DATED - 22 AUGUST 1977 CONSTRUCTION BEGAN - 25 AUGUST 1977

CONSTRUCTION SUSPENDED - 8 NOVEMBER 1977 RESUMED 15 MAY 1978 COMPLETED AND ACCEPTED - 24 JULY 1978

RESIDENT ENGINEER - RODRICK FULLER RECORD PLANS - PAUL E. SINGLETON

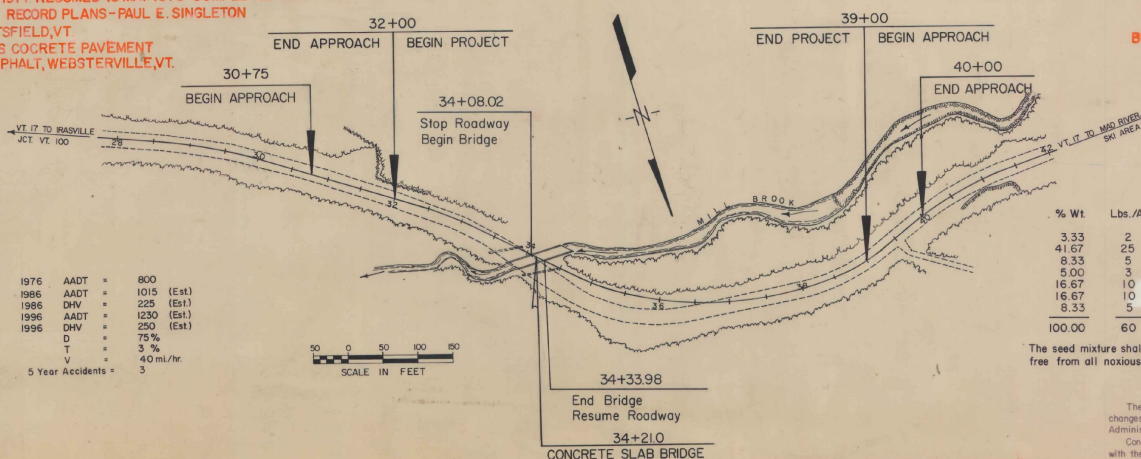
SUB-BASE OF GRAVEL - E. TUCKER PIT, WAITSFIELD, VT.

PLANT MIXED BASE COURSE, BITUMINOUS CONCRETE PAVEMENT
COOLEY ASPHALT, WEBSTERVILLE, VT.

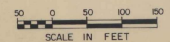
FOR ANY FURTHER INFORMATION CONCERNING PLANT QUANTITIES, AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE FOUND IN EITHER THE FIELD BOOKS OR THE ESTIMATE FILE.

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. TRAINING LINE
- SLOPE RIGHTS
- TOP OF CUT
- TOE OF SLOPE



1976	AADT	=	800
1986	AADT	=	1015 (Est)
1986	DHV	=	225 (Est)
1996	AADT	=	1230 (Est)
1996	DHV	=	250 (Est)
	D	=	75%
	T	=	3%
	V	=	40 ml/hr.
	5 Year Accidents =		3



CONCRETE - HUTCH, MONTPELIER, VT. REINFORCING STEEL - K-ROSS BUILDING SUPPLY CENTER, LEBANON, N.H. WATER REPELLENT - SONNEBORN BUILDING PRODUCTS, WOODSIDE, N.Y.
ACCOMP, UNDERDRAIN, CARRIER PIPE - NORTHEASTERN CULVERT CORP., WESTMINSTER, VT. CAST IRON GRATES WITH FRAME - L.E. LEBARON FOUNDRY CO., BROCKTON, MASS.
TREATED TIMBER CURB, STEEL MARKER POSTS, GUARD RAIL, ANCHORS FOR GUARD RAIL - LAFAYETTE - SHELDON INC., ESSEX JCT, VT.
SEED, FERTILIZER - OLD FOX CHEMICAL INC., BRANDON, VT.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS



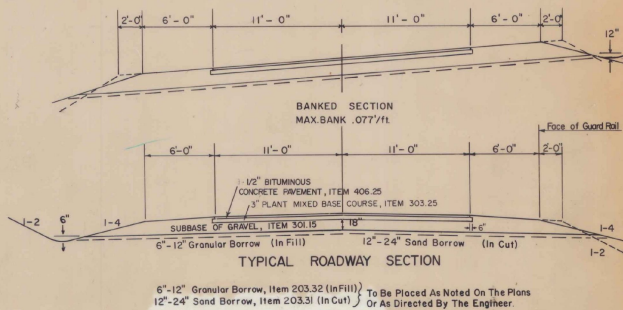
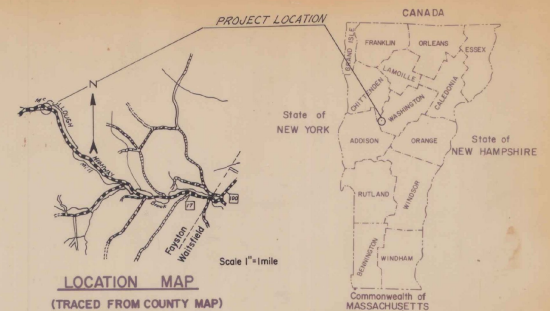
PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF FAYSTON
COUNTY OF WASHINGTON

ROUTE NO: 17 BRIDGE NO: 33

PROJECT LOCATION: BEGINNING AT A POINT ON VT 17, 3.65 MILES WESTERLY OF THE FAYSTON - WAITSFIELD TOWN LINE AND EXTENDING WESTERLY 0.13 MILE.
PROJECT DESCRIPTION: PROJECT SHALL CONSIST OF REMOVAL OF EXISTING SUPER-STRUCTURE, INSTALLATION OF CONCRETE SLAB BRIDGE AND NECESSARY APPROACH WORK.

LENGTH OF STRUCTURE:	2596	FEET
LENGTH OF PARTICIPATION ROADWAY:	7000	FEET
LENGTH OF NON-PARTICIPATION ROADWAY:	0000	FEET
LENGTH OF PROJECT	7000	FEET



BUILT AS DESIGNED

SEEDING FORMULA
Item 651.10
Rural areas

% Wt.	Lbs./A	Name	Pur. %	Germ %
3.33	2	Crown Vetch	97	75
41.67	25	Creeping Red Fescue	98	85
8.33	5	Timothy	99	85
5.00	3	Red Top	92	85
16.67	10	Perennial Rye Grass (Variety Pennfire)	95	90
16.67	10	Alfalfa (Variety Saranac)	99	85
8.33	5	Birdsfoot Trefoil	98	85
100.00	60			

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

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Chief Engineer.
Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on October 27, 1976 for use on the project, including all subsequent revisions and such revised specification and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
APPROVED: *[Signature]* DATE: 8-20-77
CHIEF ENGINEER
APPROVED: _____ DATE: _____
PROJECT: ROS # 0200 (5)
FAYSTON
SHEET 1 OF 35 SHEETS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	MAD RIVER CORPORATION	3	32+75 LT. 32+50 LT.	35+25 LT. 33+75 LT.	0.08 AC		SLOPE (P) (0.08 Ac)	WD	6-16-77	FAYSTON	34	111-114	2700 S.F. 3300 S.F.
2	GREEN MOUNTAIN POWER CORP.												UTILITY
3	WAITSFIELD - FAYSTON TELEPHONE CO., INC.												UTILITY

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

LEGEND

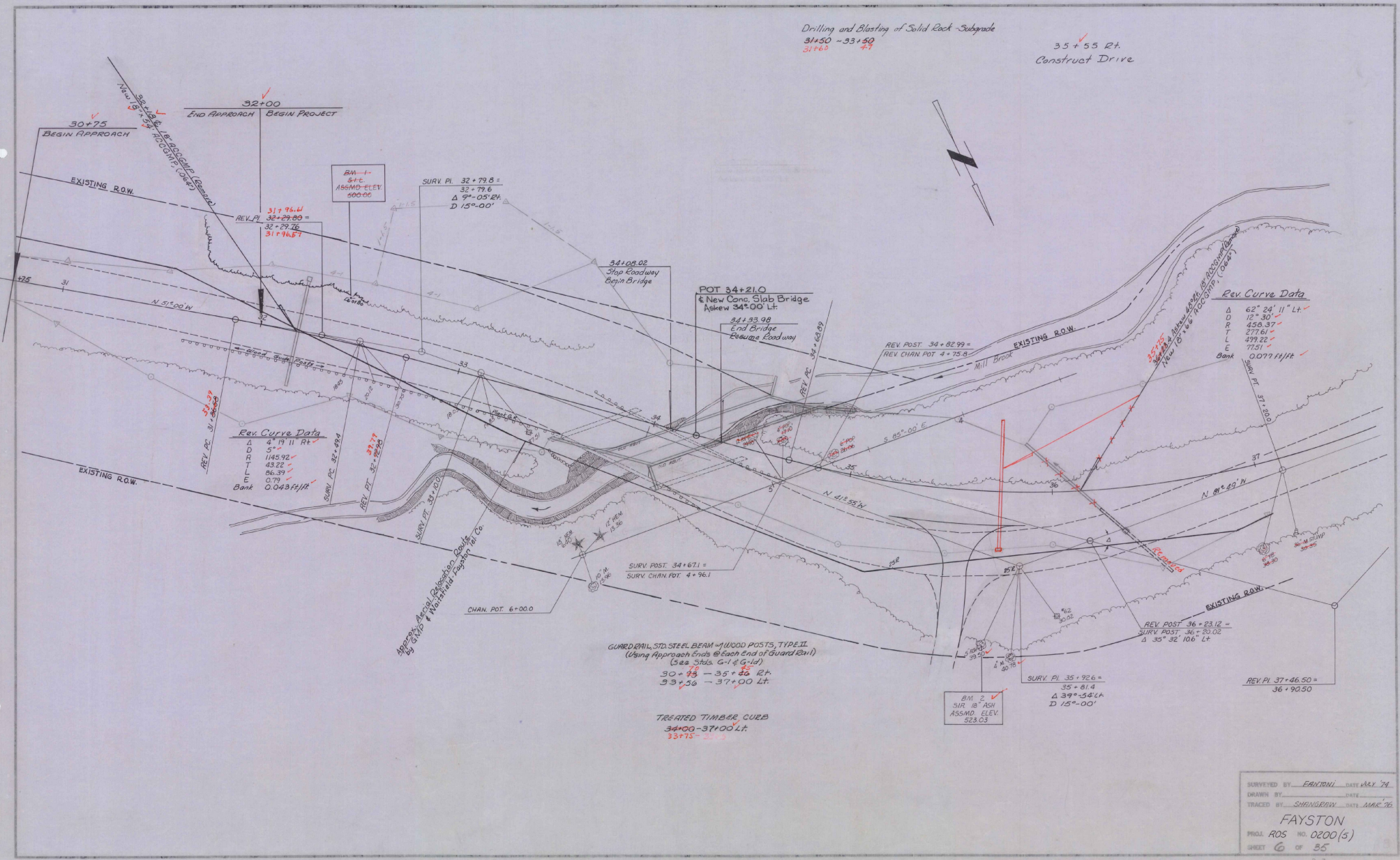
- | | | |
|--|---|---|
| DR. RT - DRAINAGE RIGHT
DIT. RT - DITCHING RIGHT
CH. RT - CHANNEL RIGHT
DRIVE RT - DRIVE RIGHT
CUL. RT - CULVERT RIGHT
(D) - DEMOLITION OR REMOVAL
(W) - WATER SOURCES | --- PRESENT R.O.W.
- - - - - TAKING WITHOUT ACCESS
- - - - - TAKING WITHOUT ACCESS ALONG PROPERTY LINES
- - - - - TAKING WITH ACCESS
(P) - PERMANENT EASEMENT
(T) - TEMPORARY EASEMENT | --- SR --- SR --- SLOPE RIGHTS
--- P --- P --- PROPERTY LINE
- Δ - Δ - Δ - Δ - TOP OF CUT
- O - O - O - O - TOE OF SLOPE |
|--|---|---|

APPROVED *James W. Mason* DATE 2-7-77
CHIEF OF PLANS & TITLES

PROJECT FAYSTON
 NO. ROS 0200 (5)
 SHEET 2 OF 5
 35

Drilling and Blasting of Solid Rock - Subgrade
 31+50 - 33+50
 31+60 7.7

35+55 Rt.
 Construct Drive



30+75
 BEGIN APPROACH

32+00
 END APPROACH BEGIN PROJECT

BM-1
 5+10
 ASSMO ELEV
 500.00

SURV. PI. 32+79.8 =
 32+79.6
 $\Delta 9^{\circ} 05' 24''$
 D 15^{\circ} 00'

REV. PT. 31+96.4
 32+29.00 =
 32+29.26
 31+96.57

34+08.02
 Stop Roadway
 Begin Bridge

POT 34+21.0
 New Conc. Slab Bridge
 Askew 34^{\circ} 00' Lt.

REV. POST. 34+82.99 =
 REV. CHAN. POT. 4+75.0

Rev. Curve Data
 Δ 62^{\circ} 24' 11'' Lt.
 D 12^{\circ} 30'
 R 453.37
 T 271.61
 L 479.22
 E 71.51
 Bank 0.077 ft

Rev. Curve Data
 Δ 4^{\circ} 19' 11'' Rt.
 D 5^{\circ}
 R 145.92
 T 43.22
 L 86.37
 E 0.79
 Bank 0.043 ft

SURV. PI. 32+49.4

REV. PT. 32+29.26

SURV. POST. 34+67.1 =
 SURV. CHAN. POT. 4+96.1

CHAN. POT. 6+00.0

GUARDRAIL STD. STEEL BEAM - WOOD POSTS, TYPE II
 (Using Approach Ends @ Each End of Guard Rail)
 (See Stns. G-1 & G-1d)
 30+75 - 35+25 Rt.
 33+56 - 37+00 Lt.

TREATED TIMBER CURB
 34+00 - 37+00 Lt.
 35+75 -

BM 2
 SURV. 18' ASH
 ASSMO ELEV
 523.03

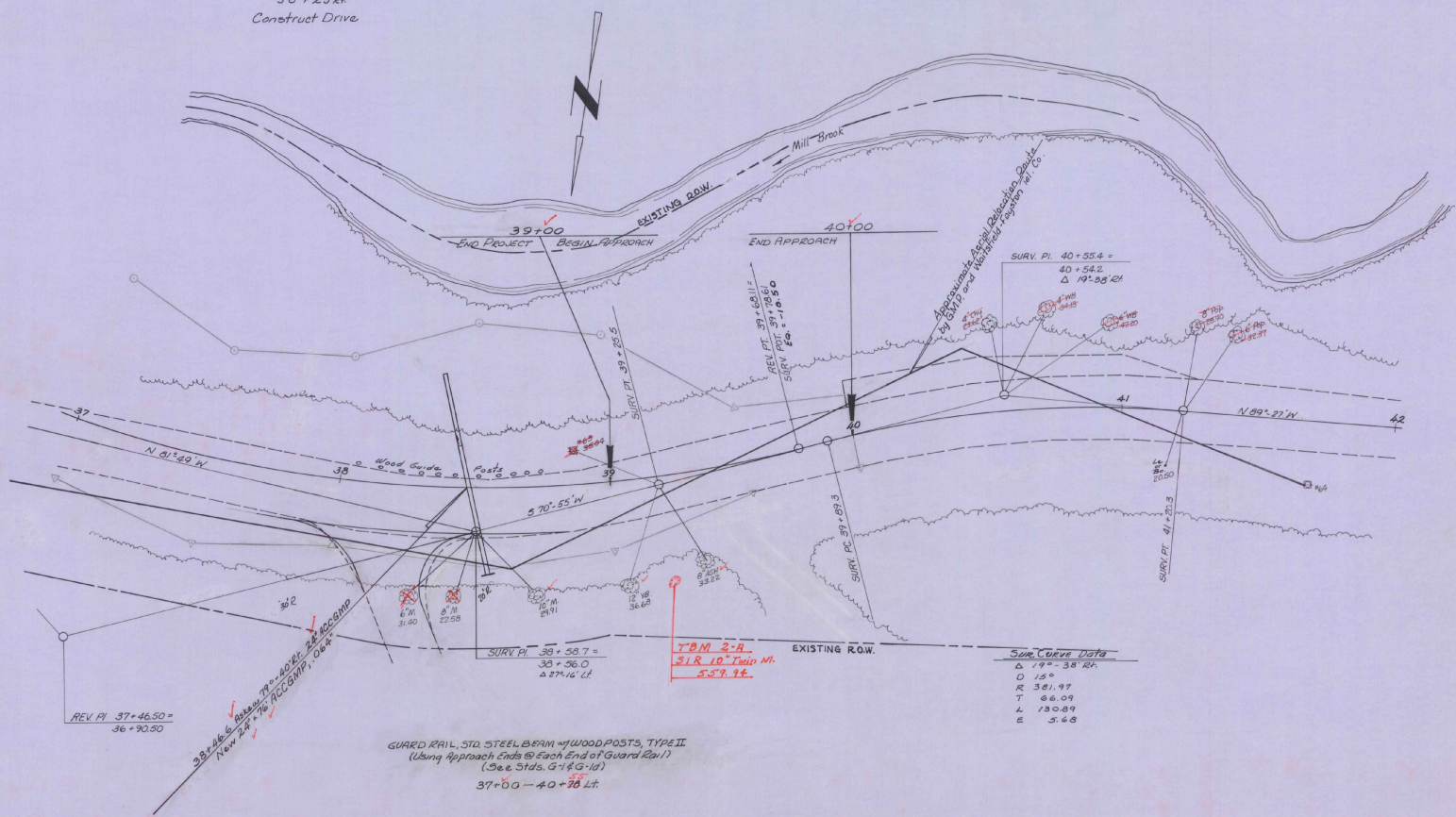
SURV. PI. 35+92.6 =
 35+81.4
 $\Delta 39^{\circ} 54' 24''$
 D 15^{\circ} 00'

REV. POST. 36+23.12 =
 SURV. POST. 36+20.02
 $\Delta 35^{\circ} 32' 10''$ Lt.

REV. PI. 37+46.50 =
 36+90.50

SURVEYED BY: FAUSTINI DATE MAY '74
 DRAWN BY: SHANGRAW DATE
 TRACED BY: SHANGRAW DATE MAR '76
 PROJ. ROS NO. 0200(5)
 SHEET 6 OF 35

38 + 25 Rt
Construct Drive



REV. PI. 37+46.50 =
36+90.50

38+48.6
New 24" x 16" ACCURATE
New 24" x 16" ACCURATE, 0.6 ft

GUARD RAIL, STD. STEEL BEAM or WOOD POSTS, TYPE II
(Using Approach Ends @ Each End of Guard Rail)
(See Stds. G-1 & G-10)

37+00 - 40+78 Lt.

TREATED TIMBER CURB
37+00 - 39+50 Lt.

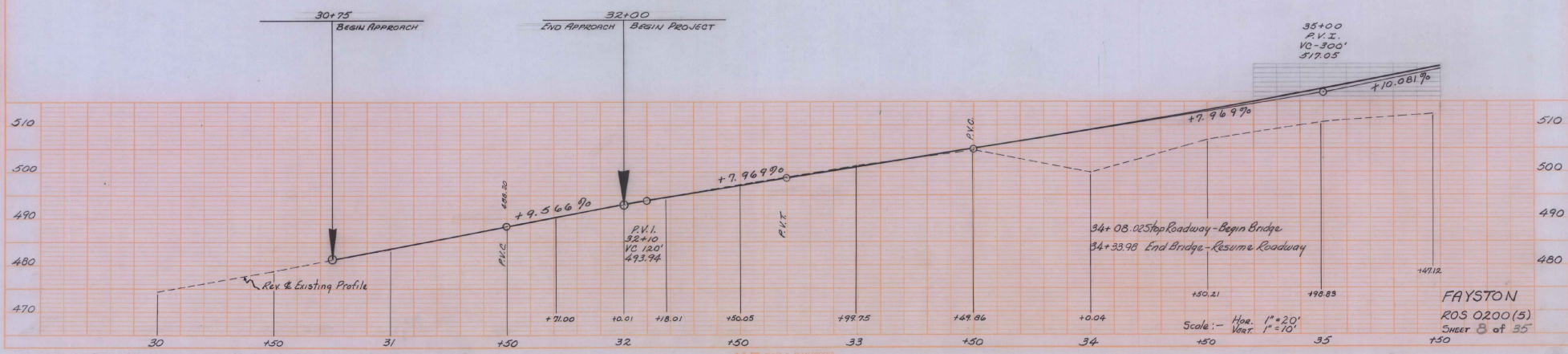
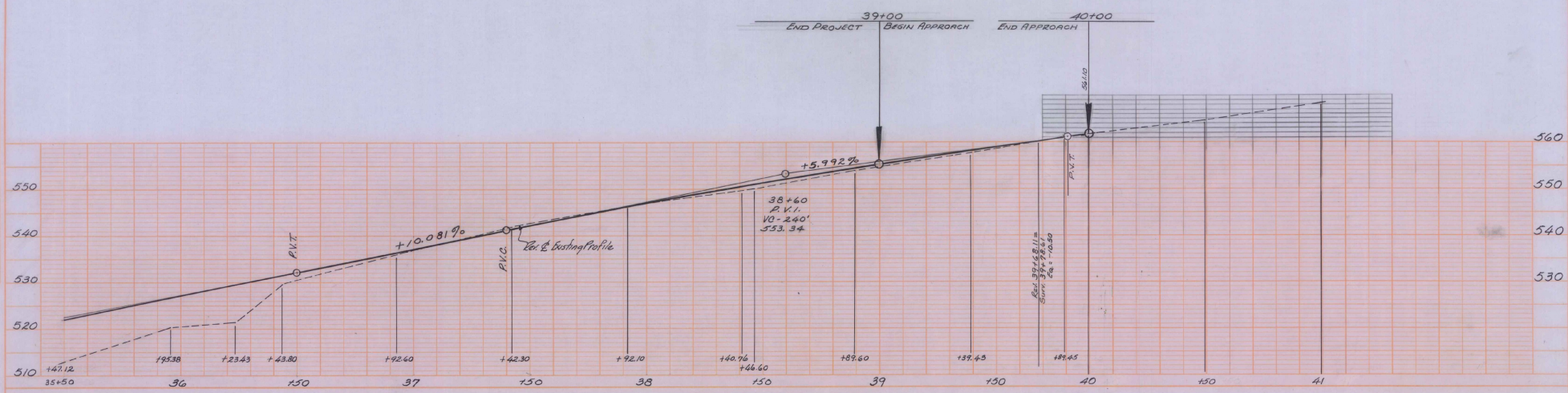
TBM 2-A
S.I.R. 10" TUBING
53.9 ft.

Curve Data

Δ	19° - 38' 24"
D	150'
R	351.97
T	66.09
L	130.89
E	5.68

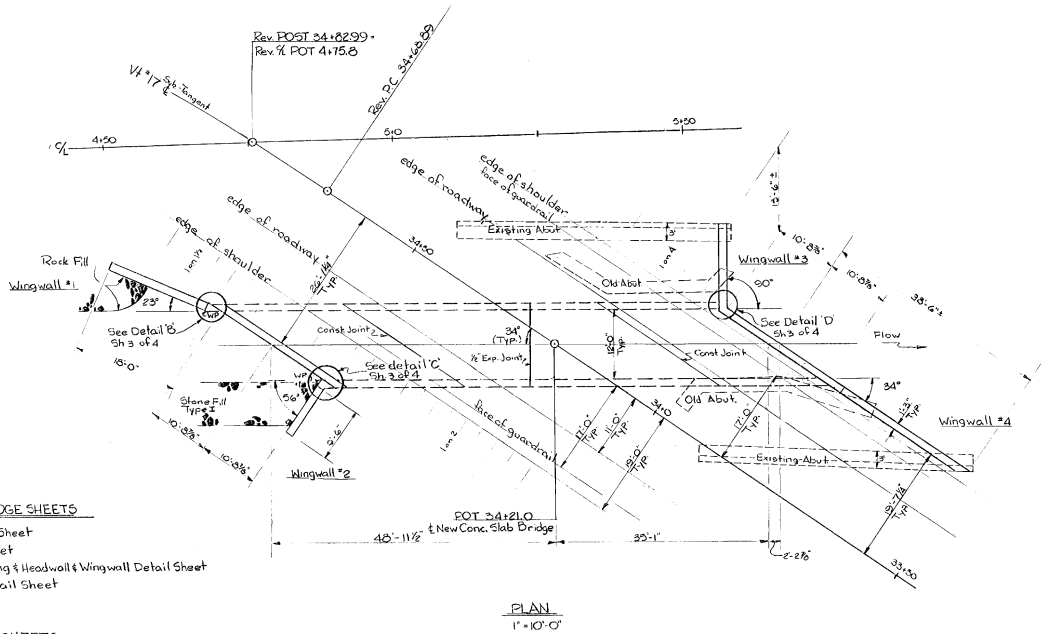
PLAN
 DATE: 11/11/11
 DRAWN BY: J. W. HARRIS
 CHECKED BY: J. W. HARRIS
 NO.:

PROFILE
 DATE: 11/11/11
 DRAWN BY: J. W. HARRIS
 CHECKED BY: J. W. HARRIS
 NO.:



Scale: - Hor. 1" = 20'
 Vert. 1" = 10'

FAYSTON
 ROS 0200 (5)
 SHEET 8 of 35

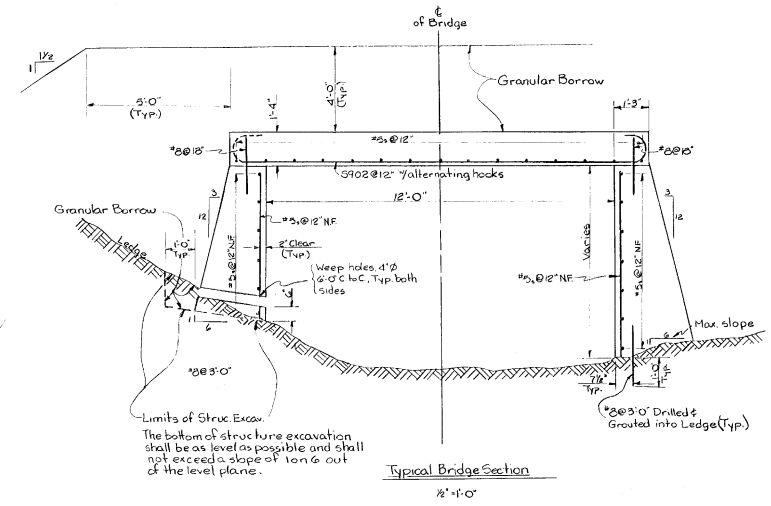


INDEX of BRIDGE SHEETS

1. Bridge Layout Sheet
2. Quantity Sheet
3. Slab Reinforcing & Headwall & Wingwall Detail Sheet
4. Wingwall Detail Sheet

REFERENCE SHEETS

- SCB-DI-76 (R 4-26-76)
- SCB-D6-73 Detail B (R 12-29-75)

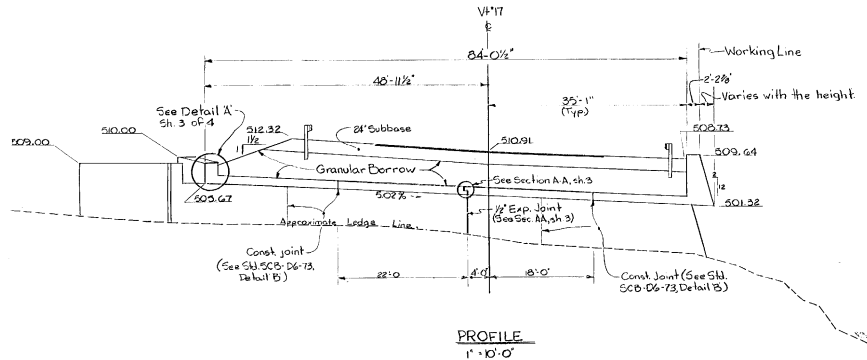


NOTES

1. All materials and construction shall conform to the State of Vermont, Department of Highways, Standard Specifications for Highway and Bridge construction dated March 1976 and the AASHTO Standard Specifications for Highway Bridges dated 1973, and its latest revisions.
2. General Notes pertaining to specification and construction not shown on these plans are shown on Std. Dwg. SCB-DI-75, Notes on the Std. Dwg. which apply are notes 4, 6, 7, and 14.
3. All concrete in the superstructure and substructure shall be Concrete, Class B.
4. Water Repellent shall be applied to all exposed concrete surfaces, except for top faces & bottom of slab.
5. The present bridge superstructure is to be removed under Item 20220, Removal of Existing Superstructure. The existing beams are to be stockpiled on the project site and remain the property of the State of Vermont.
6. The gravity wingwalls and abutments shall rest on sound ledge. All loose or unsound material shall be removed and the ledge thoroughly cleaned prior to the placement of concrete.
7. Unclassified Channel Excavation and placement of Stone Fill, Type II, is to be done as detailed on these plans unless ledge is encountered in these areas, then deviations from plans shall be as determined by the Engineer.
8. The Preformed Joint Filler, Cork, shall meet Materials Specification 70721, and payment shall be subsidiary to Concrete, Class B.
9. The abutment walls and top slab shall be placed and allowed to cure at least three (3) days before the adjacent concrete sections are placed. No backfilling of any wingwall or Abut section shall be allowed until the concrete has attained a compressive strength of 2975 psi, and abutments shall not be backfilled until slab is placed and cured.
10. One-way traffic shall be maintained at all times on the project. The construction and maintenance of temporary roadway approaches and bridge shall be included in the unit price bid for One-Way Temporary Bridge. If a portion of the new structure is used to maintain traffic, the Contractor shall follow the Specifications of Section 50116. Specifically the new slab shall not be loaded with vehicular or construction traffic until 14 days after placement of the slab.

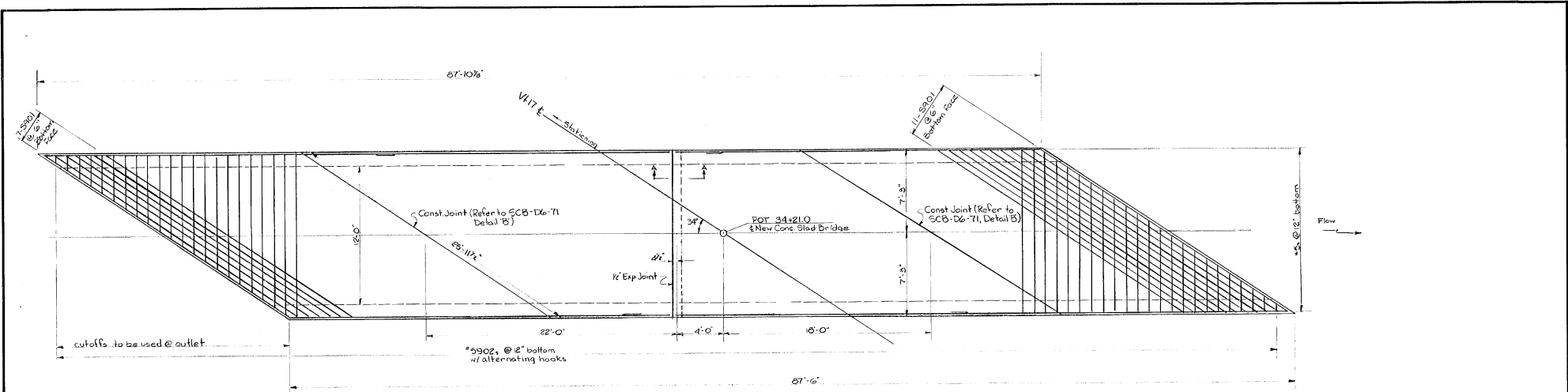
HYDRAULIC DATA

Drainage Area = 1.6 sq mi.
 Q 2.33 = 195 cfs, headwater 501.0
 Q 10 = 250 cfs, headwater 502.2
 Q 25 = 350 cfs, headwater 503.1
 Q 50 = 450 cfs, headwater 504.0
 Q 100 = 600 cfs, headwater 505.2
 Outlet velocity @ Q 50 = 1.6 fps
 Tailwater depth @ Q 50 = 2.4 feet

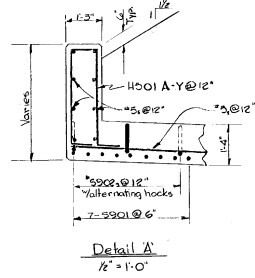
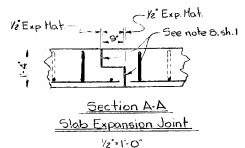


PROFILE
1" = 10'-0"

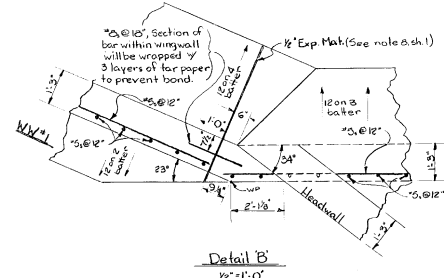
STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
TOWN OF FAYSTON	Bridge No. 33
HIGHWAY NO. VT #17	Log Sta. 34+21.0
Vermont 17 over Mill Brook	
Bridge Layout Sheet	
Designed by E. Belz	Drawn by W. Felton
Checked by G. Kirtell	Bridge Design Supervisor E. Belz date May '76
PROJECT FAYSTON	PROJECT NO. R05 0200(3)
Bridge Sheet No. 1	Sheet 9 of 35



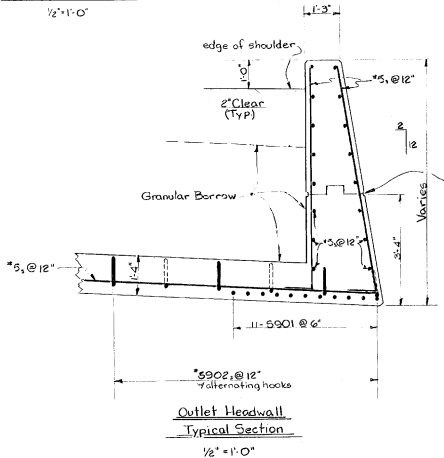
Slab Reinforcing Plan
1/2" = 1'-0"



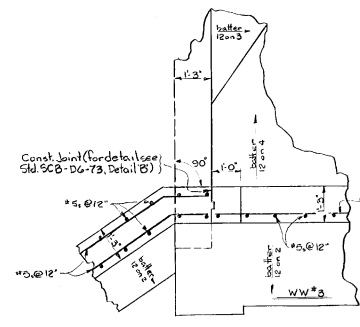
NOTE
See BR1 for location of details A, B, C, & D



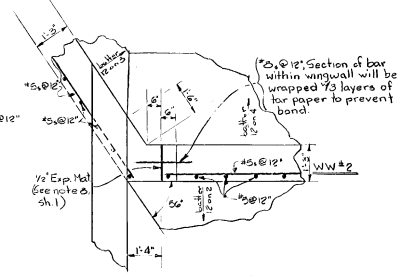
Detail B
1/2" = 1'-0"



Outlet Headwall
Typical Section
1/2" = 1'-0"



Detail D
1/2" = 1'-0"



Detail C
1/2" = 1'-0"

REINFORCING STEEL SCHEDULE
All reinforcing steel shall conform to the requirements of the specifications for deformed billet-steel bars for concrete reinforcement, AASHTO M-31 (ASTM A-615) Grade 60

ITEM	PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	G	J
1	5	10'-1"	HPDIA	S5	0'-10"	3'-3"	0'-11"	3'-3"	0'-10"		
2	4	to thru	Var. B&D	in 24 equal increments							
3	5	8'-1"	HPDIA	S5	0'-10"	2'-9"	0'-11"	2'-9"	0'-10"		
4											
5	232	5	30'-0"		Str	Cut & Bend to fit in field					
6											
7	120	3	2'-0"		Str						
8	20	3	15'-2"	8902	1	1'-3"	13'-11"				0'-11 1/2"
9	10	3	25'-7"	3901	Str						
10											
11											
12											
13											
14											

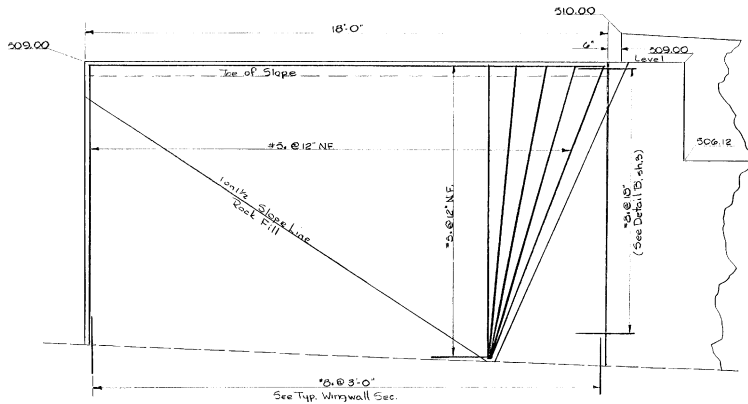
**STATE OF VERMONT
DEPARTMENT OF HIGHWAYS**

TOWN OF **FAYSTON** Bridge No. **53**
 Log Sta. _____
 HIGHWAY NO. **Vt 17** Surv. Sta. **34+21.0**

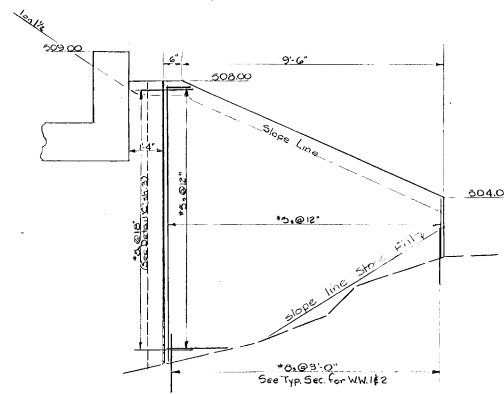
Vt 17 over Mill Brook

Slab Reinforcing & Headwall & Wingwall Detail Sheet
 Designed by **E. Beta** Drawn by **W. Fallon**
 Checked by _____ Bridge Design Supervisor
 G. Kittlell date 5/76 E. Beta date May '76

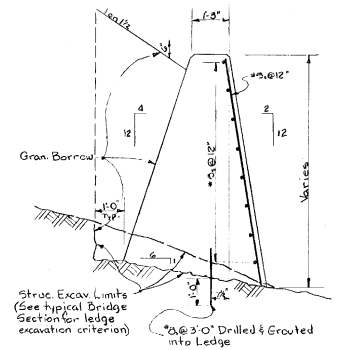
PROJECT **FAYSTON** PROJECT NO. **ROS 0200 (5)**
 Bridge Sheet No. **3** Sheet **11** of **35**



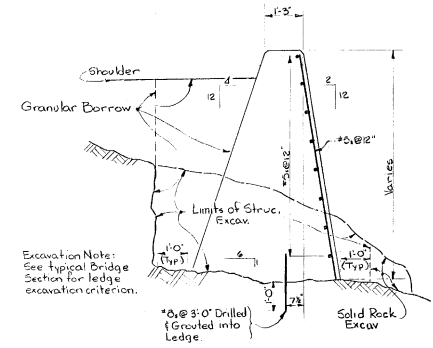
Wingwall #1
12'-1'-0"



Wingwall #2
12'-1'-0"



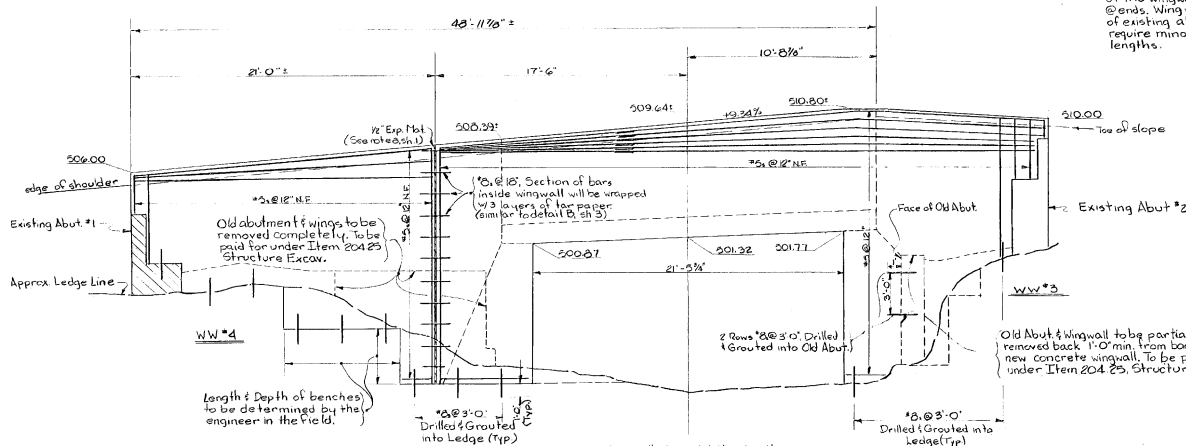
Typical Section for WW #1 & #2
12'-1'-0"



Typical Section for WW #3 & #4
12'-1'-0"

NOTE
WW #3 & #4

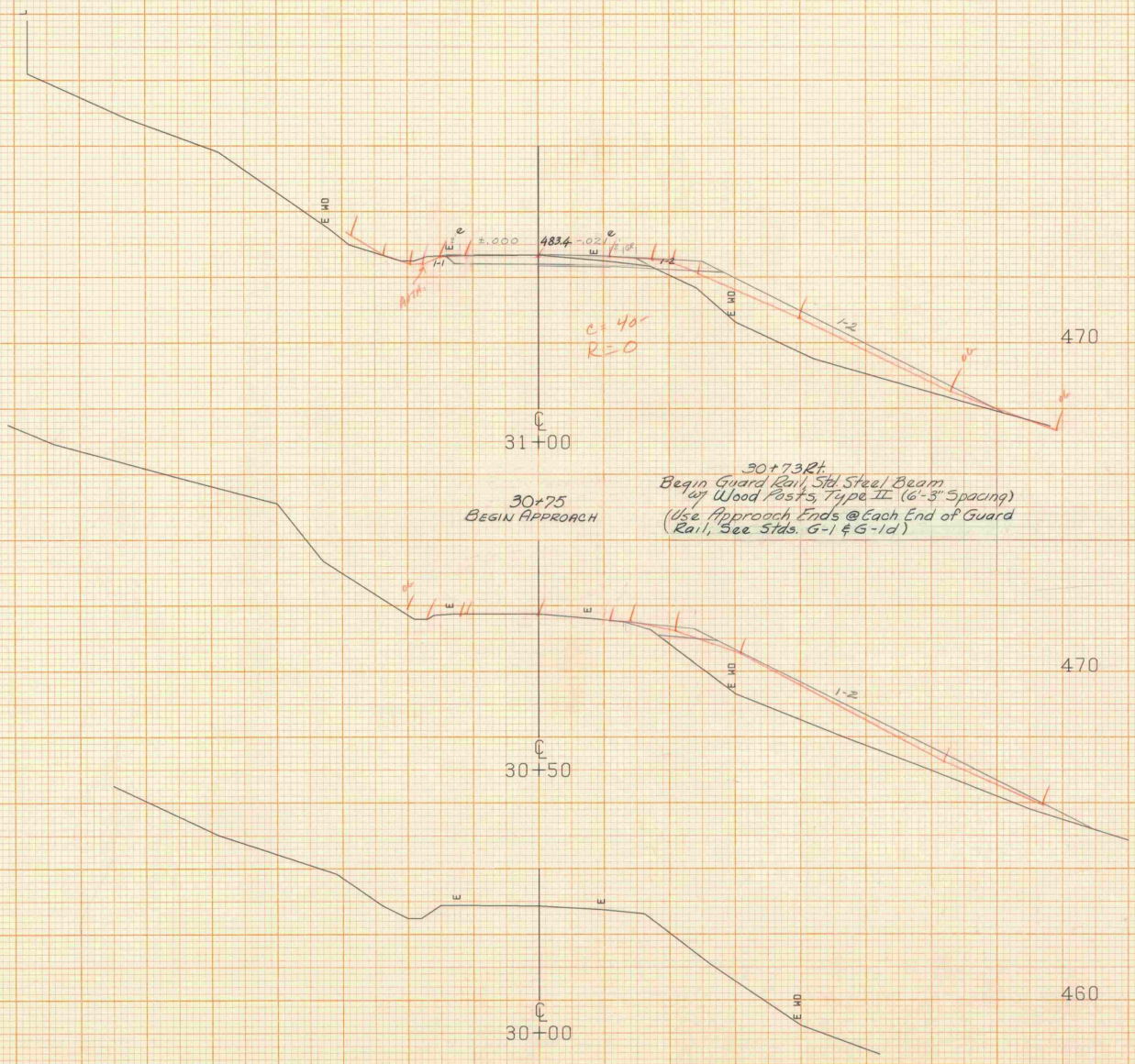
The end grade given is for the distance detailed. Lengthening or shortening of the wingwall will require grade changes @ ends. Wingwalls will extend to the back of existing abutments as shown. This may require minor adjustments in wingwall lengths.



Wingwalls #3 & #4 & Headwall
24'-1'-0"

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF FAYSTON	Bridge No. 33
Highway No. VT #17	Log Sta.
VI 17 over Mill Brook	Surv. Sta. 3A+21.0
Wingwall Details	
Designed by E. Bate	Drawn by W. Fiston
Checked by G. Killell	Bridge Design Supervisor
date 5/16	E. Bate Date May '76
PROJECT FAYSTON	PROJECT NO. R03-0200 (6)
Bridge Sheet No. 4	Sheet 12 of 35



Guard Rail Detail
30+73 - 35+46 Bl

30+10

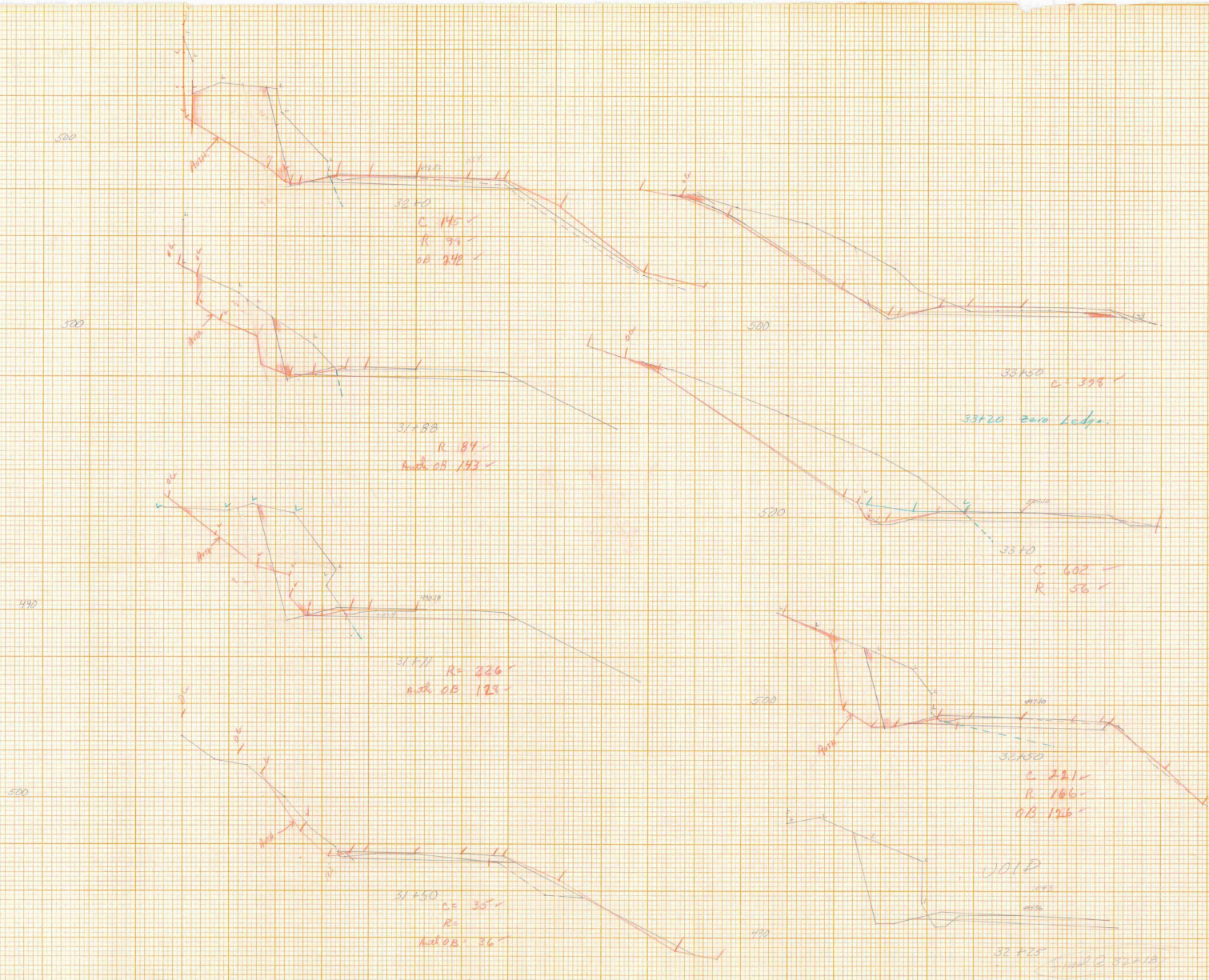
By 7-10-73 PMS
By 7-13-73 PMS
7-17-73 JTB

SCALE 10 FEET

FROM STA. 30+00	TO STA. 31+00
PROJECT NAME	FAYSTON MAIN LINE
NO.	RO50200 (5)
SURVEYED BY	FANTONI
SHEET 24 OF 35	PLOTTED 03/06/76
	JULY 74

DATE	
BY	
PROJECT	
DESCRIPTION	
SCALE	
DATE	
BY	
PROJECT	
DESCRIPTION	
SCALE	

DATE	
BY	
PROJECT	
DESCRIPTION	
SCALE	
DATE	
BY	
PROJECT	
DESCRIPTION	
SCALE	

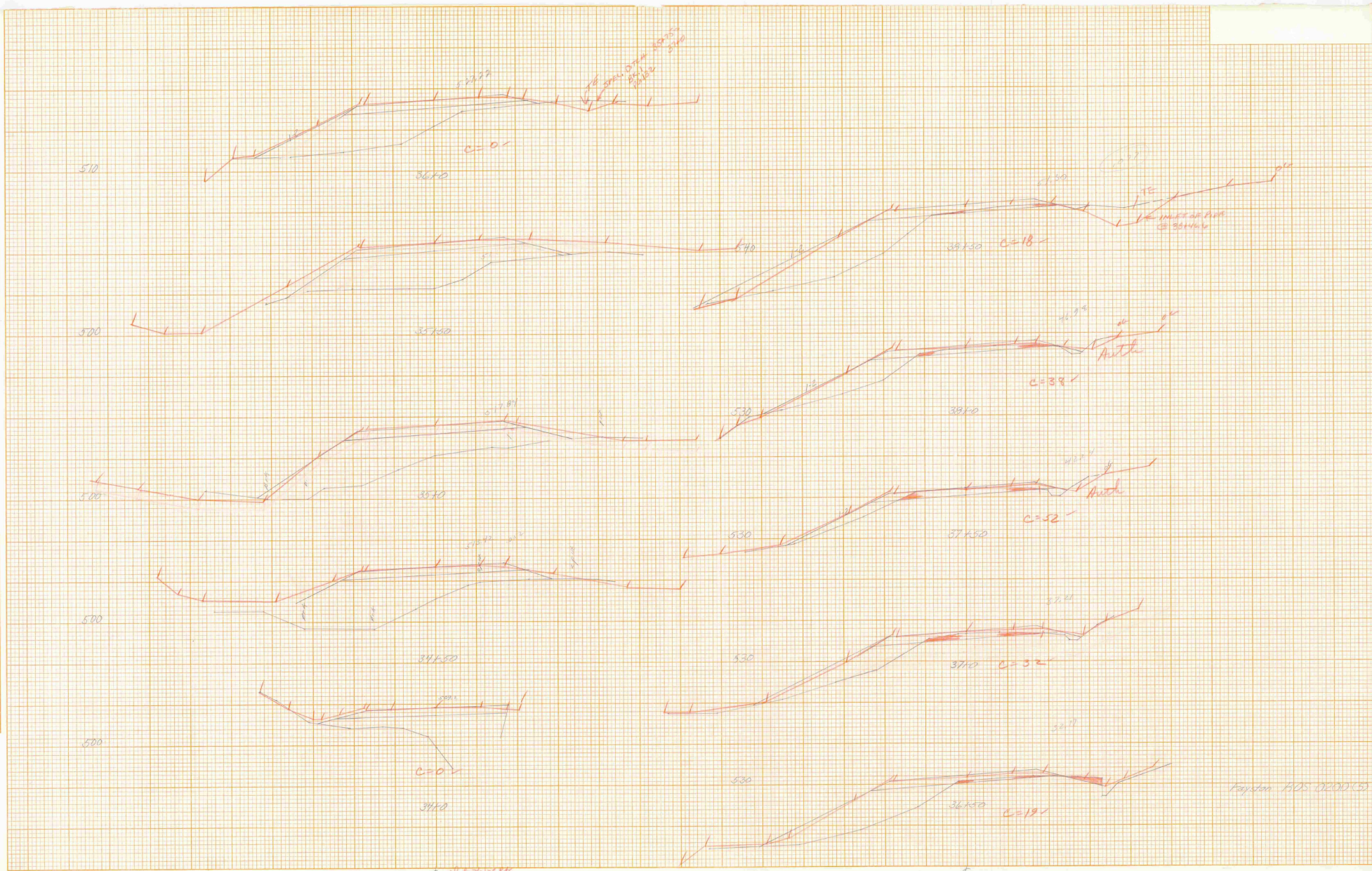


Plot 7-13 7:44
 7-13 7:44
 7-13 7:44

Project No. 0-100(5)
 Horizontal Sections 31+50-33+50

DATE	
BY	
PROJECT	
CONTRACT	
NO.	
NO.	

DATE	
BY	
PROJECT	
CONTRACT	
NO.	
NO.	



Handwritten note: "Plot marks on 7/2/2015 2015-2016"

Register FDS 0200(C)

DATE	
BY	
PROJECT	
PROPERTY	
DATE BOOK	
NO.	

DATE	
BY	
PROJECT	
PROPERTY	
DATE BOOK	
NO.	





32+00
 BEGIN PROJECT
 END APPROACH

Rev. P.C. 31+86.58
 Δ 4°-19'-11" Rt
 D 5°-00'
 Bank 0.043 ft./ft.

31+71

100' Runout

125' Runoff

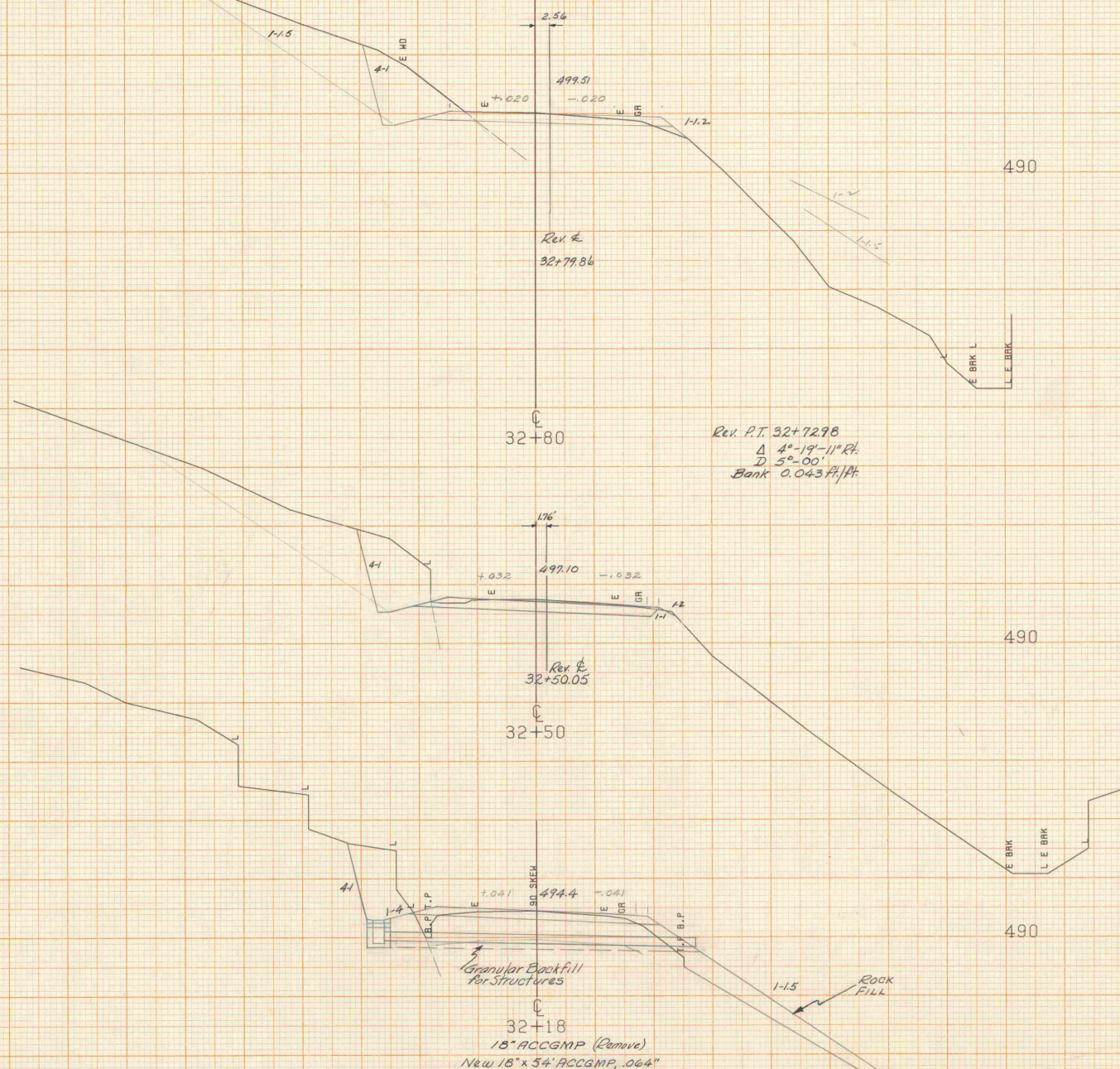
Rev. P.C. 31+86.58 & P.T. 32+72.98
 D=5°-00' Rt.
 Bank = 0.043 ft./ft.

Rev. P.C. 34+68.89
 D=12°-30' Lt.
 Bank = 0.077 ft./ft.

31+50
 Begin Drilling & Blasting
 of Solid Rock - Subgrade

FROM STA. 31+50 TO STA. 32+00
 PROJECT NAME FAYSTON MAIN LINE
 NO. ABS0200 (5) PLOTTED 03/06/76
 SURVEYED BY FANTONI JULY 74
 SHEET 25 OF 25 SHEETS

SCALE 1" = 10 FEET



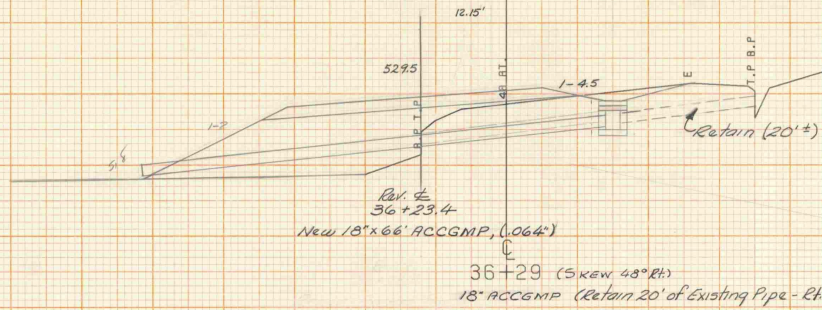
FROM STA. 32+18 TO STA. 32+80
 PROJECT NAME FAYSTON MAIN LINE
 NO. R050200(5) PLOTTED 03/06/76
 SURVEYED BY FRANTONI JULY 74
 SHEET 26 OF 35 SHEETS

SCALE 1" = 10 FEET

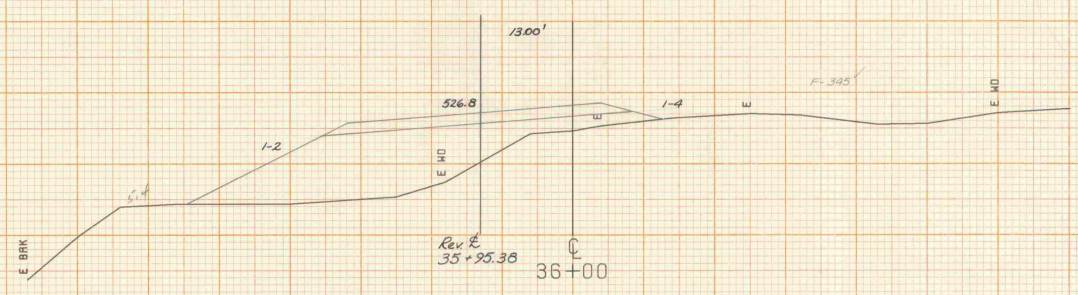


FROM STA. 33+00	TO STA. 34+50
PROJECT NAME	FAYSTON MAIN LINE
NO.	ROSO200(5)
SURVEYED BY	FANTONI
SHEET 27 OF 35 SHEETS	PLOTTED 03/06/76 JULY 74

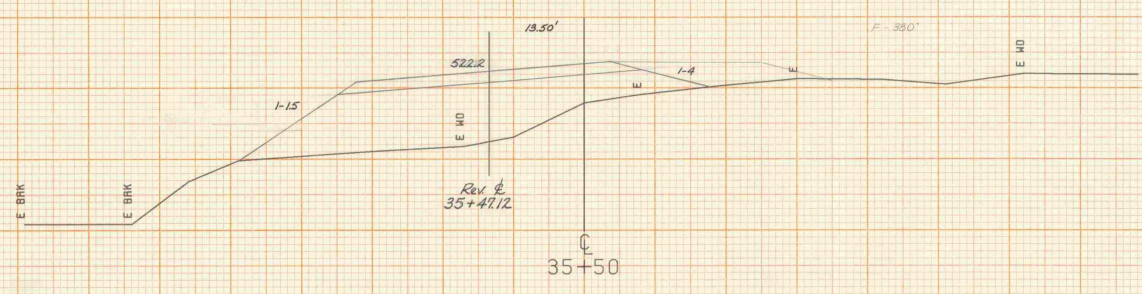
SCALE 1" = 10 FEET



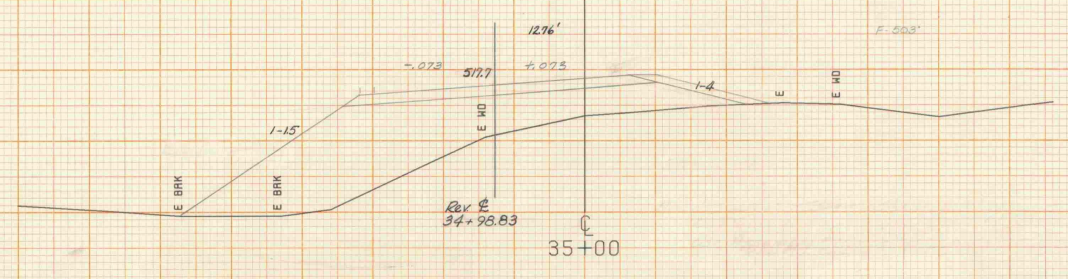
520



520



510



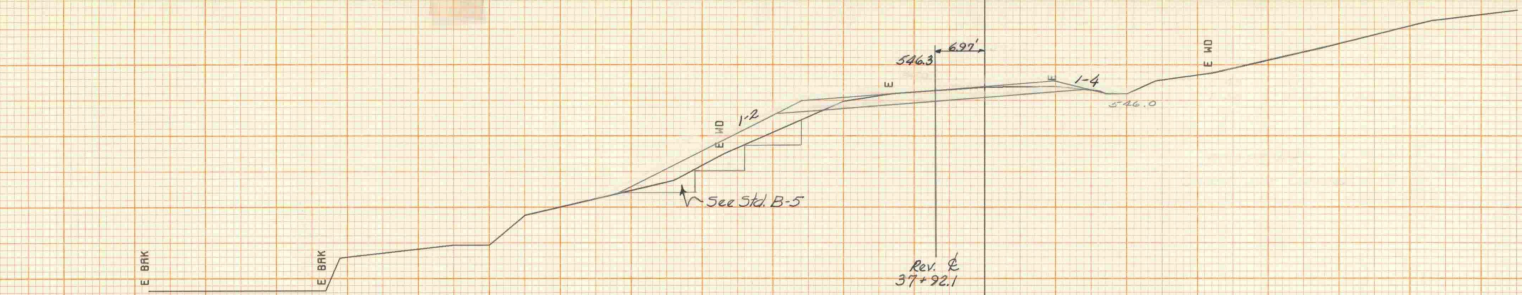
510

Rev. P.C. 34+68.89
 Δ 62°-24'-11" Lt
 D 12°-30'
 Bank 0.077 H/H

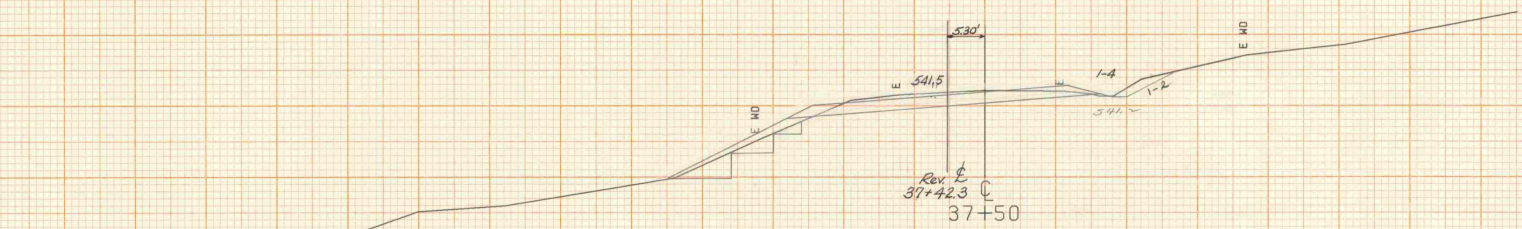
35+46.24
 End Guard Rail, Std. Steel Beam
 w/ Wood Posts, 7' spac. (6'-3" spacing)
 (Use Approach Ends @ Each End of Guard
 Rail, See Sids G-1 & G-1d)

FROM STA. 35+00	TO STA. 36+29
PROJECT NAME	FAYSTON MAIN LINE
NO.	RS0200(5)
SURVEYED BY	FANTONI
SHEET 28 OF 35 SHEETS	PLOTTED 03/06/76 JULY 74

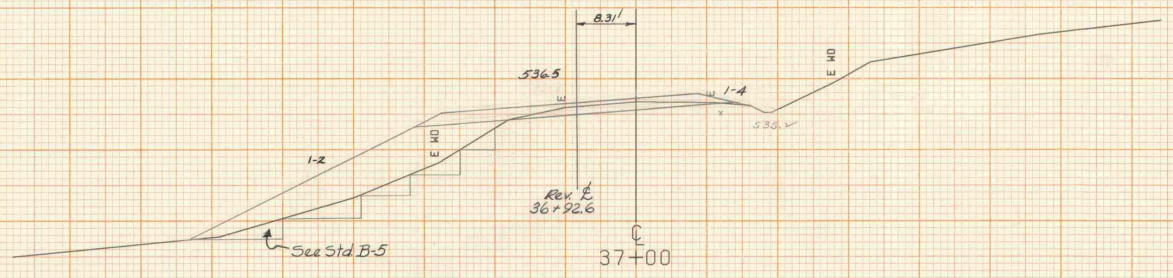
SCALE 1" = 40 FEET



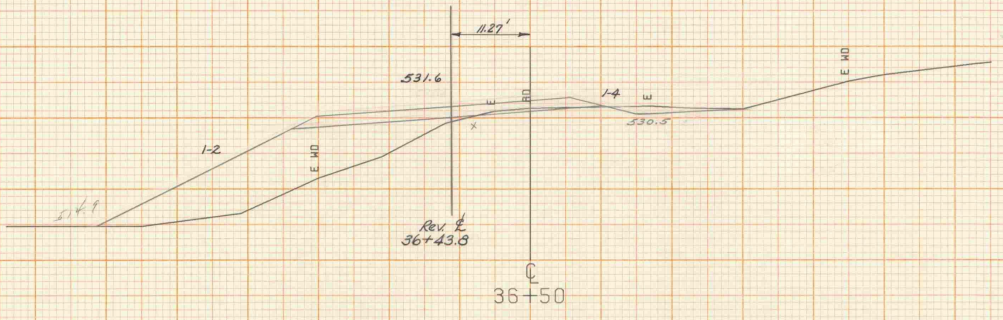
530



540



530

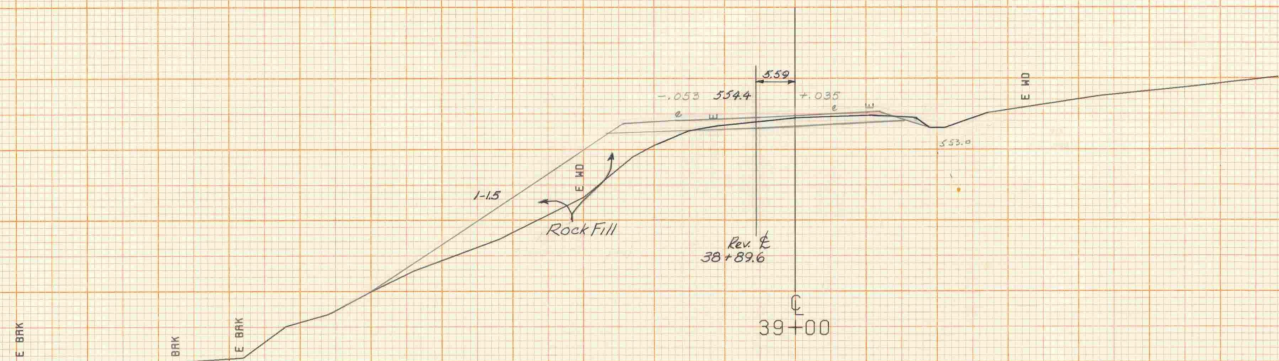


520

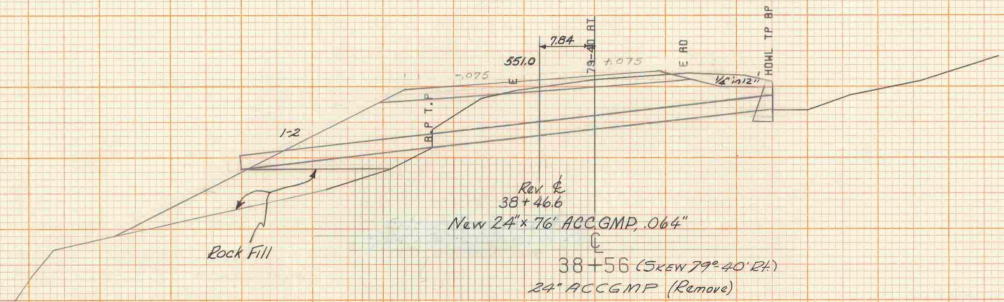
FROM STA. 36+50 TO STA. 38+00
 PROJECT NAME FAYSTON MAIN LINE
 NO. R050200(5)
 SURVEYED BY FANTONI
 SHEET 29 OF 35 SHEETS
 PLOTTED 03/06/76
 JULY 74

SCALE 1" = 10 FEET

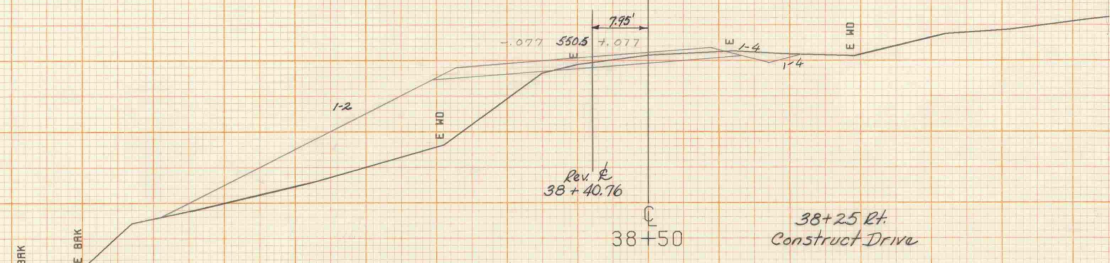
Rev ϕ 39+00
 END PROJECT
 BEGIN APPROACH



540



540



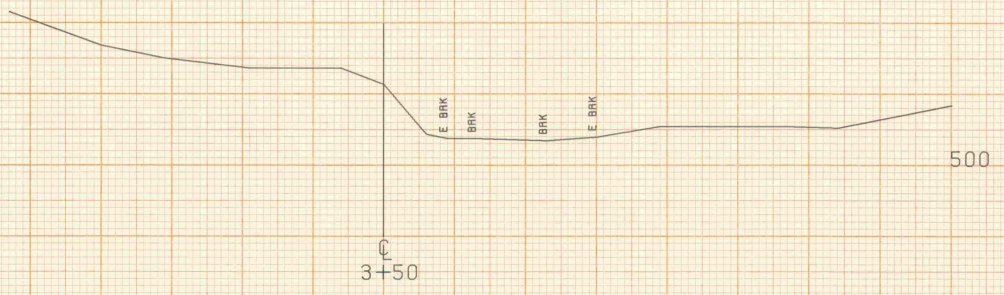
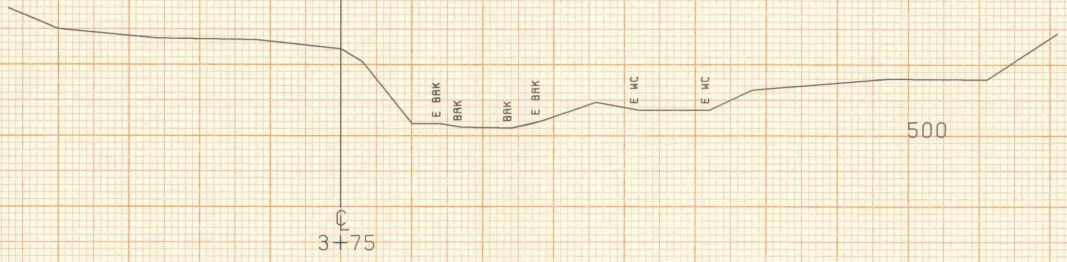
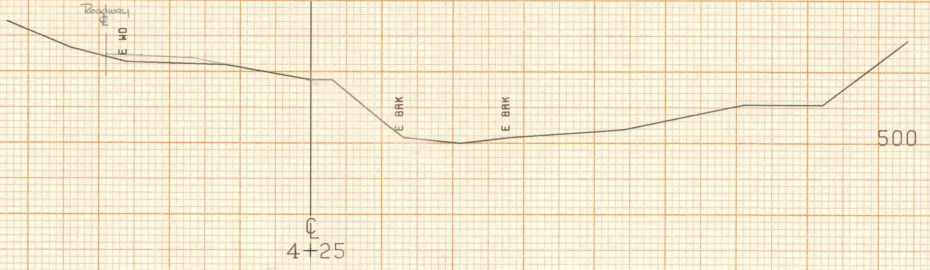
540

BANKING TRANSITION

Station	Left	Right
Rev. 38+50	-0.77	+0.77
Rev. 39+00	-0.53	+0.35
Rev. 39+50	-0.29	-0.08
(Equation = -10.50)		
Surv. 40+00	-0.10	-0.42

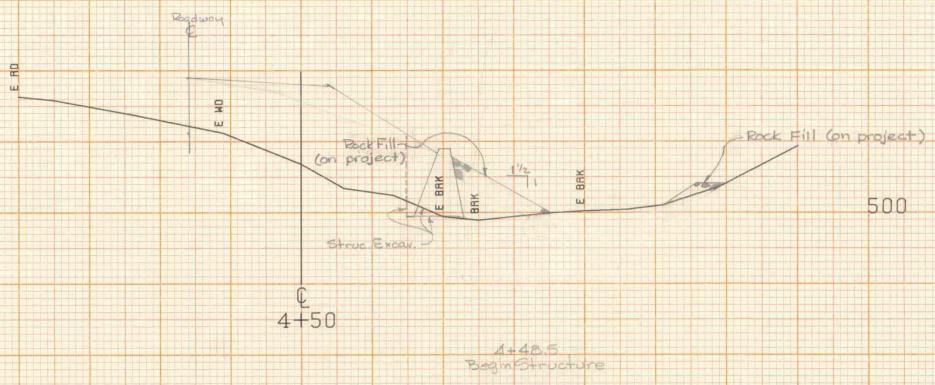
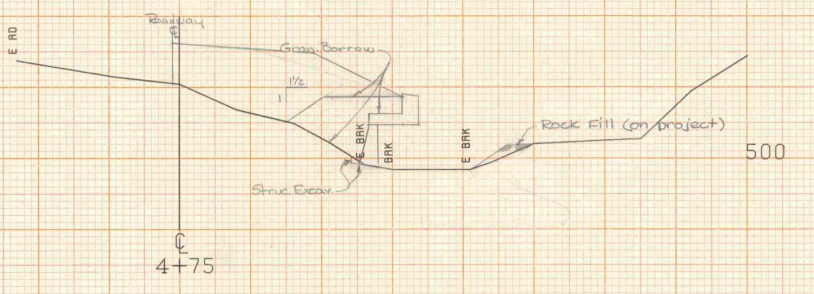
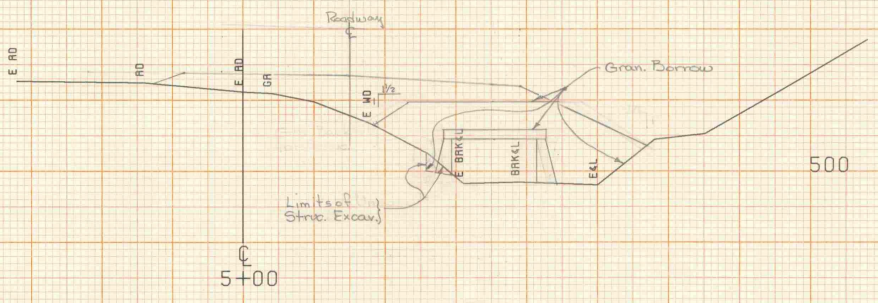
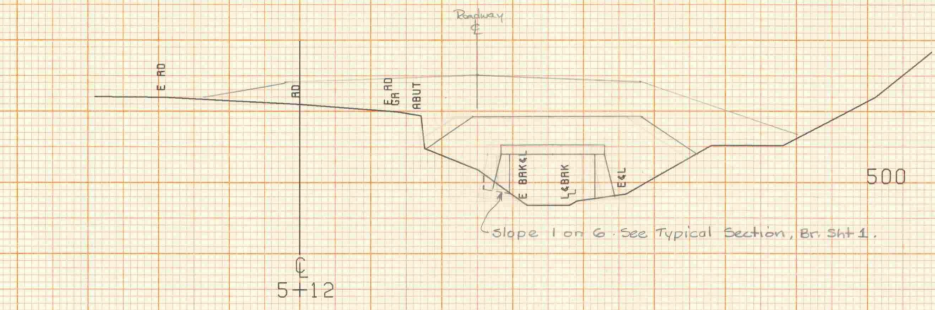
FROM STA. 38+50 TO STA. 39+00
 PROJECT NAME FAYSTON MAIN LINE
 NO. A050200 (5)
 SURVEYED BY FANTONI
 SHEET 50 OF 85 SHEETS
 PLOTTED 03/06/76
 JULY 74

SCALE 1" = 10 FEET



FROM STA. 3+50 TO STA. 4+25
 PROJECT NAME FAYSTON CHAN LINE
 NO. ROS0200 (5) PLOTTED 03/06/76
 SURVEYED BY FANTONI JULY 74
 SHEET 32 OF 35 SHEETS

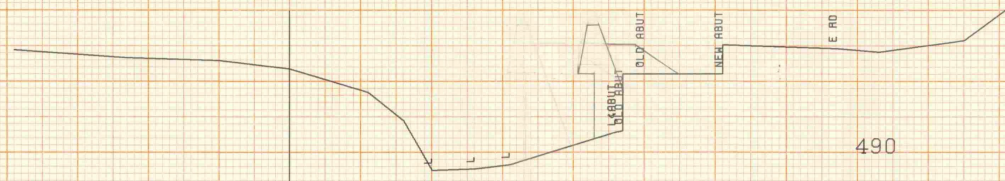
SCALE 1" = 10 FEET



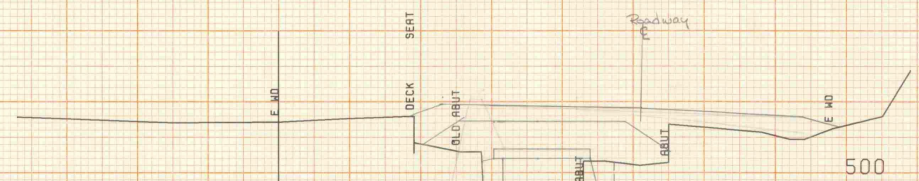
FROM STA. 4+50	TO STA. 5+12
PROJECT NAME	FAYSTON CHAN LINE
NO.	POS0200 (5)
SURVEYED BY	FANTONI
SHEET 53 OF 35	SHEETS
	PLOTTED 03/06/76
	JULY 74

SCALE 1" = 10 FEET

5+95.5
End Structure

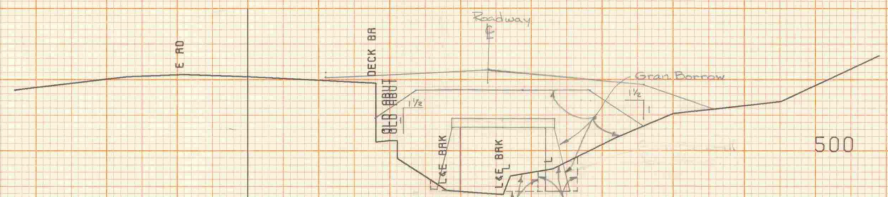


5+70



5+50

Place new abut. concrete against front face of existing abutment.



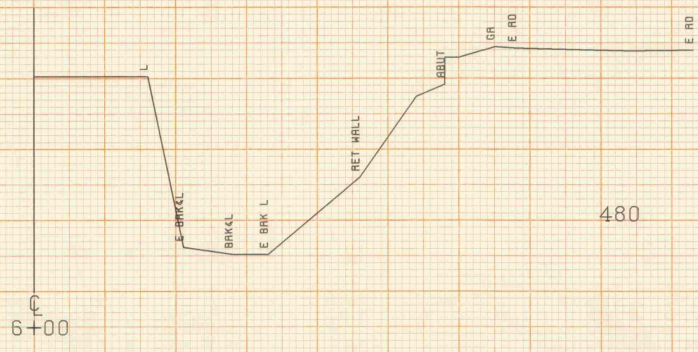
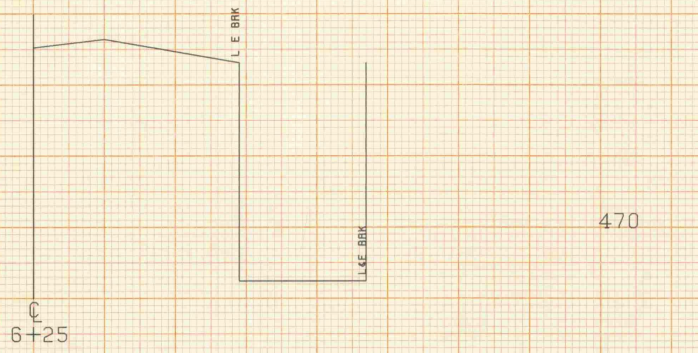
5+25

Limits of Unclass. Chan. Excav. (This material must be removed)

Limits of Struct. Excav.

FROM STA. 5+25 TO STA. 5+70
 PROJECT NAME FAYSTON CHAN LINE
 NO. A050200(5) PLOTTED 03/06/76
 SURVEYED BY FANTONI JULY 74
 SHEET 34 OF 35 SHEETS

SCALE 1" = 40 FEET



FROM STA. 6+00	TO STA. 6+25
PROJECT NAME FAYSTON	CHAN LINE
NO. A050200 (5)	PLOTTED 03/06/76
SURVEYED BY FANTONI	JULY 74
SHEET 35 OF 35 SHEETS	

SCALE 1" = 10 FEET

DATE	
BY	
PROJECT	
DATE	
BY	
PROJECT	
DATE	
BY	
PROJECT	

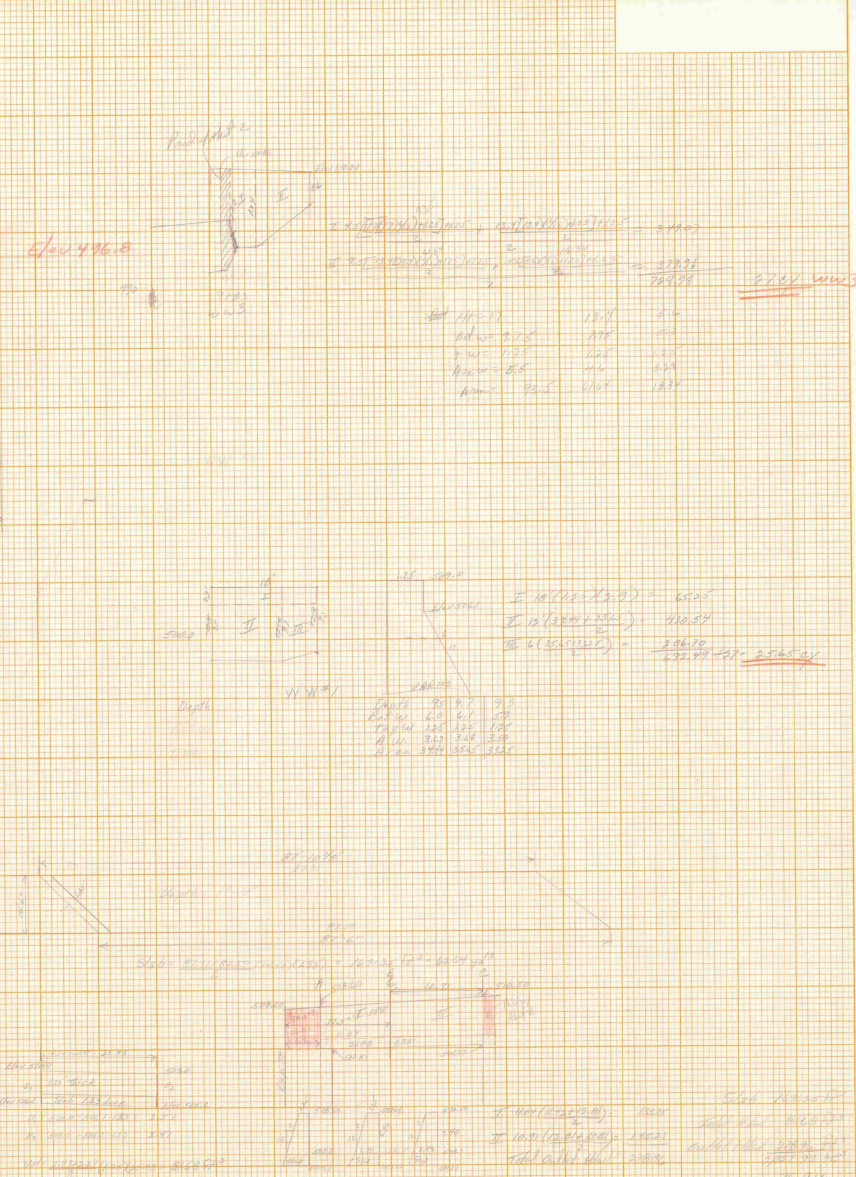
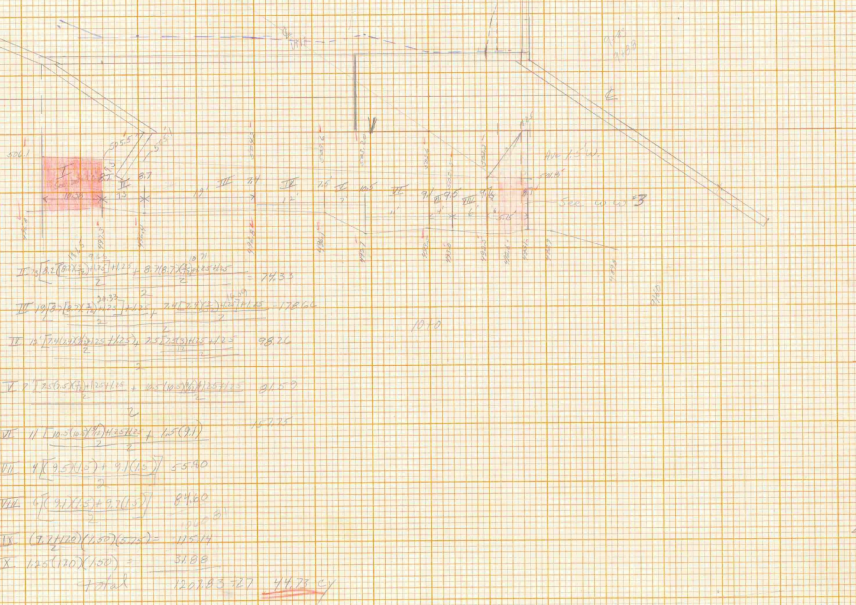
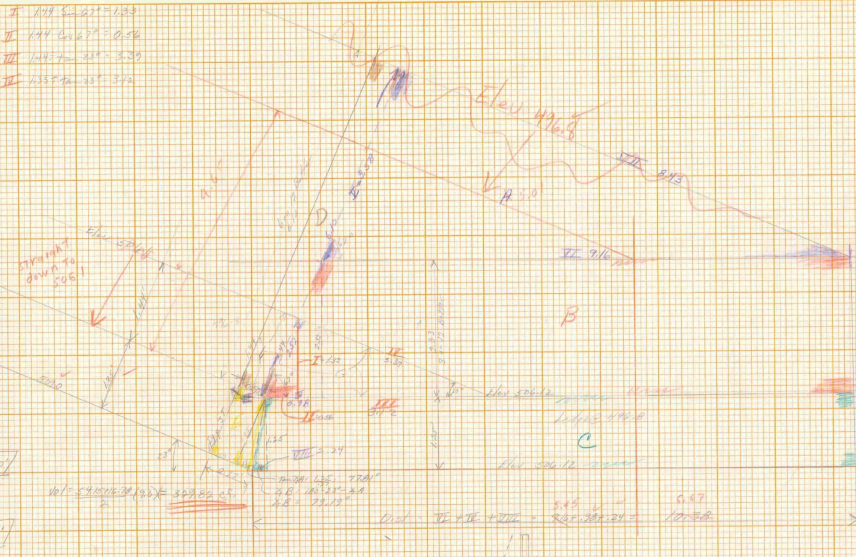
DATE	
BY	
PROJECT	
DATE	
BY	
PROJECT	
DATE	
BY	
PROJECT	

- I - 20 + 128 (142) = 142
- II - 20 + 200 = 220
- III - 233 + 51.67 = 284.67
- IV - 222 + 200 = 422
- V - 610 + 233 = 843
- VI - 538 + 200 = 738
- VII - 850 (1000) = 1850
- VIII - 625 + 200 = 825

- I - 128 (142) = 142
- II - 200 (220) = 220
- III - 233 (284.67) = 284.67
- IV - 222 (422) = 422
- V - 610 (843) = 843
- VI - 538 (738) = 738
- VII - 850 (1850) = 1850
- VIII - 625 (825) = 825

- Area A = 3.20 (0.12) = 0.384
- Area B = 2.52 (2.16 + 2.52) = 22.67
- Area C = 1.25 (10.50 + 10.50) = 13.125
- Area D = 0.50 (1.00) = 0.50
- Area E = 1.00 (2.00) = 2.00
- Area F = 0.50 (1.00) = 0.50
- Area G = 1.44 (3.60) = 5.184

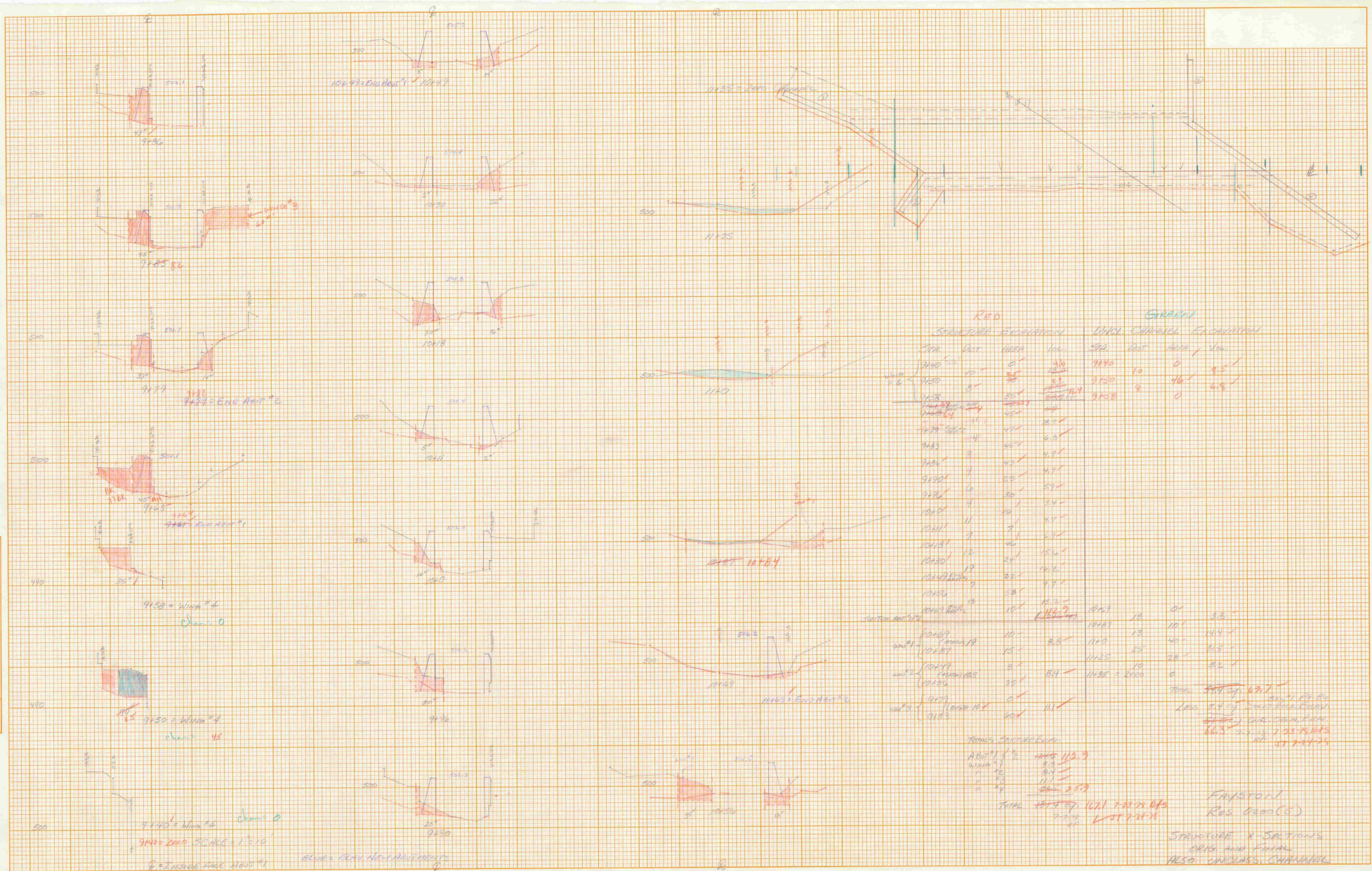
Area C Elev 500.0
 A.B.C.D.E.
 15.00 + 2.00 + 2.00 + 2.00 = 11.00
 18.83 + 0.11 + 0.12 + 0.11 = 19.17



DATE	
BY	
PROJECT	
DATE	
BY	
PROJECT	
DATE	
BY	
PROJECT	

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

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



RED STRUCTURE EXCAVATION
GREEN UNCL. CHANNEL EXCAVATION

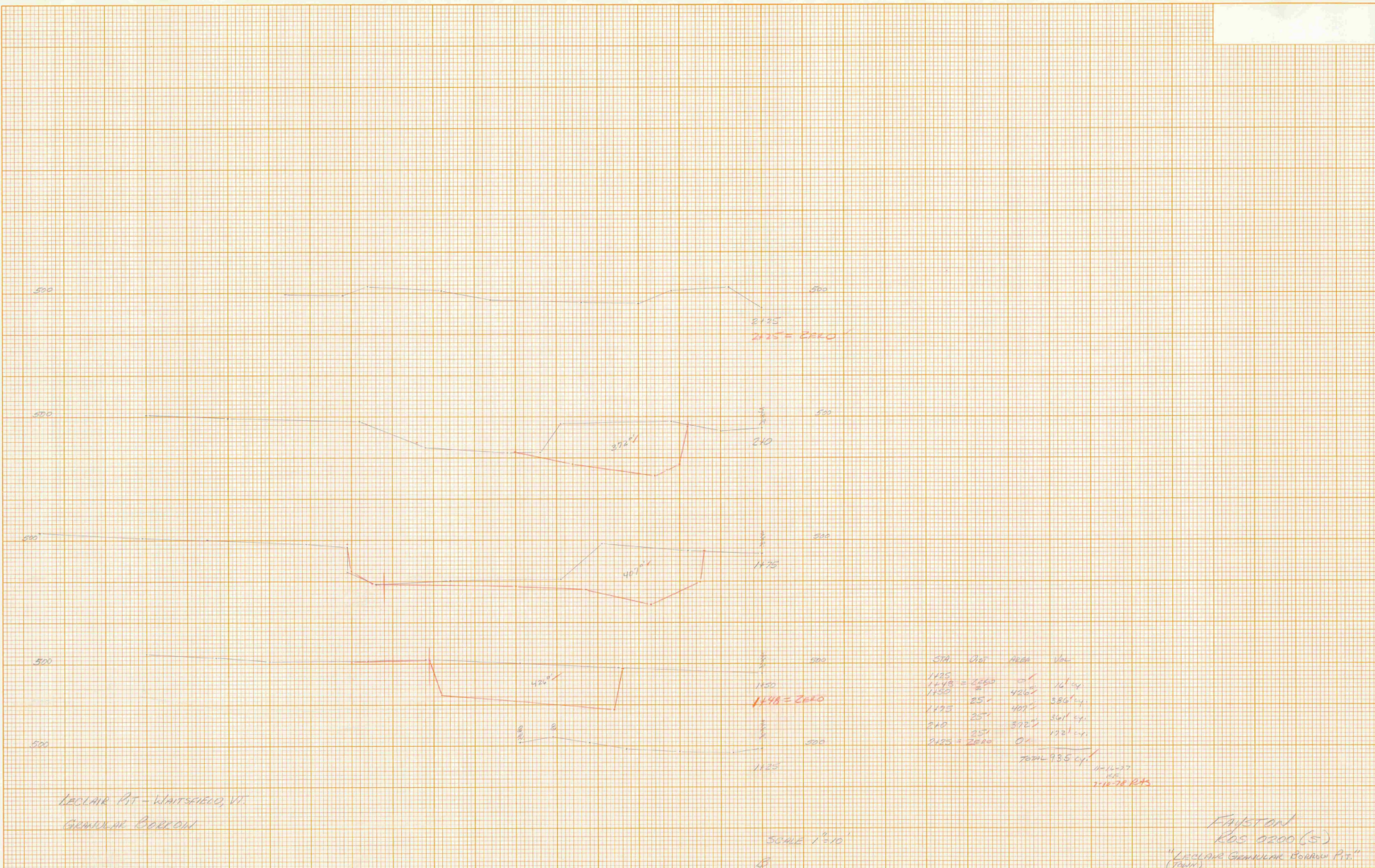
STA	LAST	AREA	Vol.	STA	LAST	AREA	Vol.
9140	10	8	0	9140	10	0	0
9160	10	35	35	9160	10	46	46
9180	11	31	66	9180	9	0	0
9199	11	41	107				
9183	4	42	149				
9186	3	43	192				
9187	4	23	215				
9188	4	30	245				
10187	4	10	255				
10111	7	7	262				
10113	7	46	308				
10130	12	24	332				
10131	19	22	354				
10132	7	53	407				
10134	10	10	417				
10137	10	11	428				
10187	10	11	439				
10187	10	11	450				
10187	10	11	461				
10187	10	11	472				
10187	10	11	483				
10187	10	11	494				
10187	10	11	505				
10187	10	11	516				
10187	10	11	527				
10187	10	11	538				
10187	10	11	549				
10187	10	11	560				
10187	10	11	571				
10187	10	11	582				
10187	10	11	593				
10187	10	11	604				
10187	10	11	615				
10187	10	11	626				
10187	10	11	637				
10187	10	11	648				
10187	10	11	659				
10187	10	11	670				
10187	10	11	681				
10187	10	11	692				
10187	10	11	703				
10187	10	11	714				
10187	10	11	725				
10187	10	11	736				
10187	10	11	747				
10187	10	11	758				
10187	10	11	769				
10187	10	11	780				
10187	10	11	791				
10187	10	11	802				
10187	10	11	813				
10187	10	11	824				
10187	10	11	835				
10187	10	11	846				
10187	10	11	857				
10187	10	11	868				
10187	10	11	879				
10187	10	11	890				
10187	10	11	901				
10187	10	11	912				
10187	10	11	923				
10187	10	11	934				
10187	10	11	945				
10187	10	11	956				
10187	10	11	967				
10187	10	11	978				
10187	10	11	989				
10187	10	11	1000				

TOTAL 1810.00 1071.73 27.85
 1810.00 1071.73 27.85
 1810.00 1071.73 27.85

STRUCTURE & SECTIONS
 ORIG. AND FINAL
 ALSO UNCLAS. CHANNEL

DATE _____
 BY _____
 FINAL SURVEY
 PROPERTY PLANNING
 SITE WORK
 PRELIM. CONCEPTS

DATE _____
 BY _____
 FINAL SURVEY
 PROPERTY PLANNING
 SITE WORK
 PRELIM. CONCEPTS



STN	WET	AREA	W/L
2135			
2140	3860'	141.04	
2145	4260'	386.04	
2150	4070'	361.04	
2155	3920'	173.04	
2160			

7694L 13.5 cfm
 11/15/27
 11/17/28

HECLAIR PT - WATERSHED, VI.
 GRANDPAC BOYCOTT

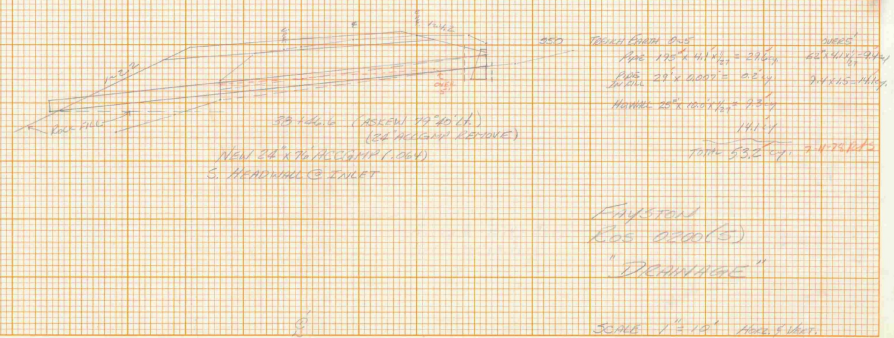
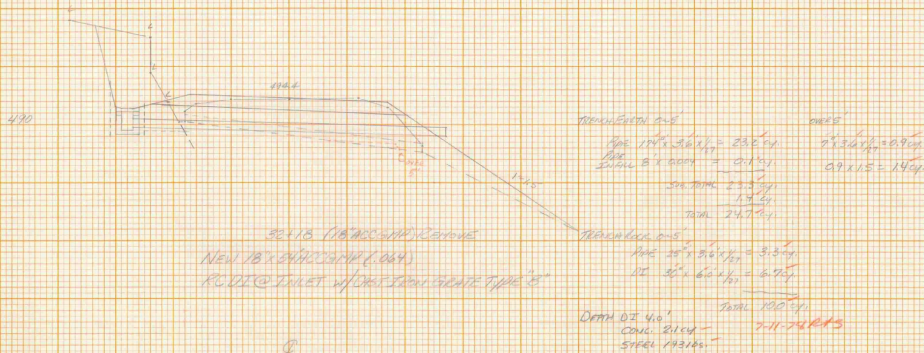
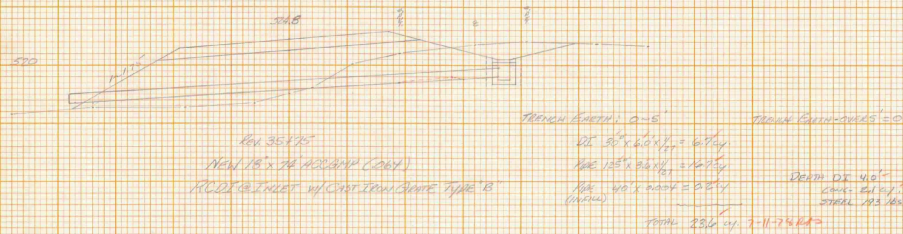
SCALE 1" = 10'

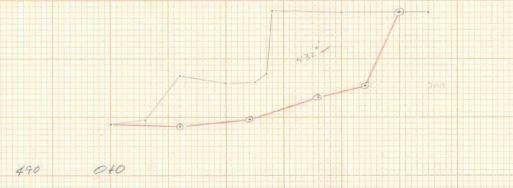
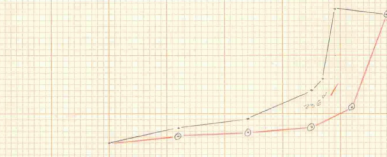
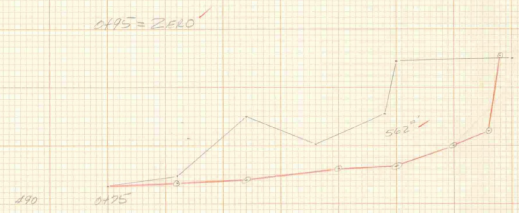
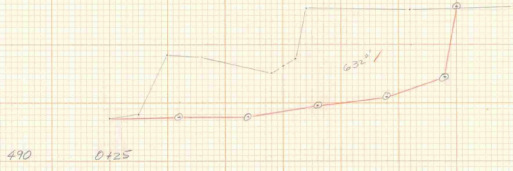
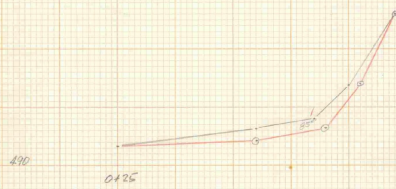
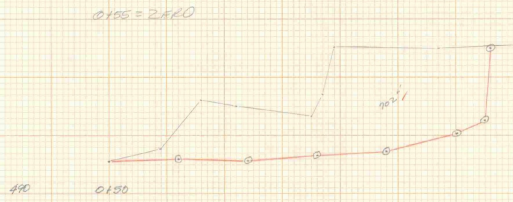
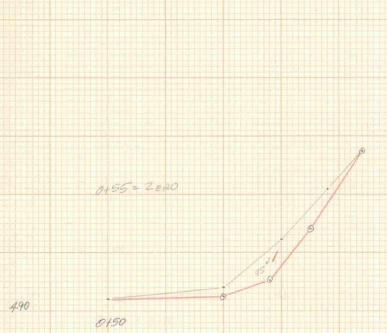
Fujisawa
 KOS 0200 (S)
 "LECLAIR GRANDPAC BOYCOTT PT."
 (Sheet)

SHEET #2

DATE: _____ BY: _____
 FINAL SURVEY DRAWING
 PROJECT: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____

DATE: _____ BY: _____
 FINAL SURVEY DRAWING
 PROJECT: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____





0+10 = ZERO
GRANULAR BORROW
E. NEAL PIT, WATTSFIELD, U.
SCALE 1"=10'

GRANULAR BORROW
NEAL PIT

STA	DIST	AREA	VOL
0+10	13'	61	99
0+11	25'	236	49
0+12	45'	85	85
0+13	51'	95	9
0+15	51'	0	0

320 cu' -
10/04
15
64.91, 100.00
210 TRACT

EARTH BORROW
E. TUCKER PIT, WATTSFIELD, U.
SCALE 1"=10'

EARTH BORROW
TUCKER PIT

STA	DIST	AREA	VOL
0+25	25'	432	200
0+10	25'	432	493
0+15	25'	632	618
0+12	40'	392	595
0+175	20'	52	208
0+195	0'	0	0

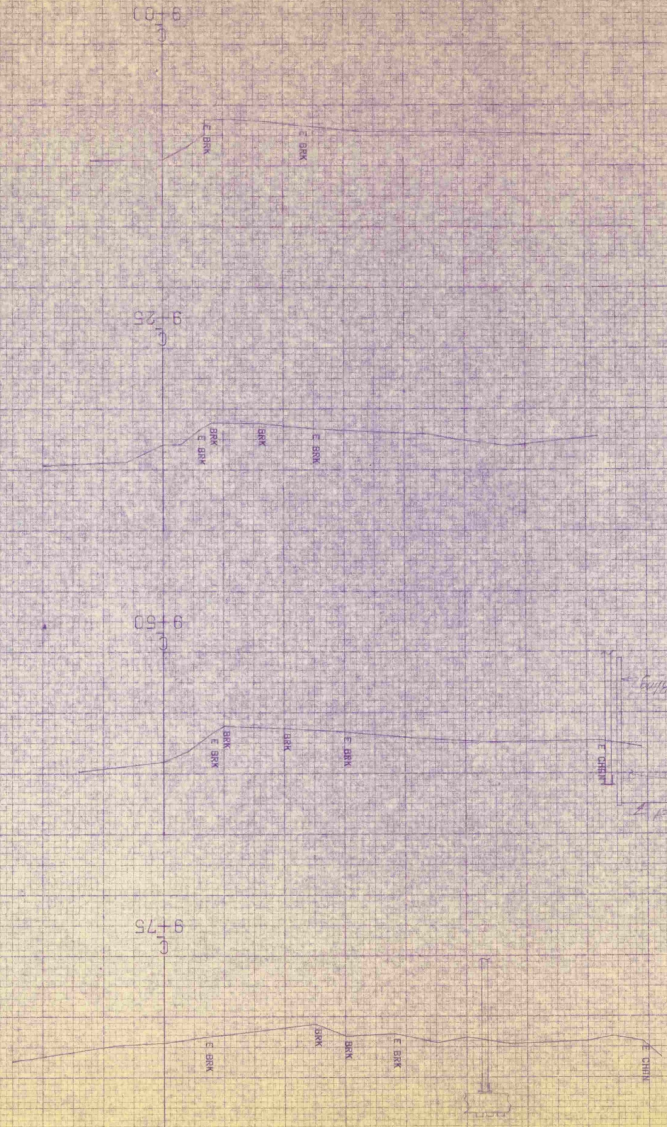
TOTAL 2104 cu'
714 1/2
64.1 1/2
7-10-25 TRACT

490
 480
 470
 460
 450
 440
 430
 420
 410
 400
 390
 380
 370
 360
 350
 340
 330
 320
 310
 300
 290
 280
 270
 260
 250
 240
 230
 220
 210
 200
 190
 180
 170
 160
 150
 140
 130
 120
 110
 100
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

FROM STA. 9+00 TO STA. 9+75
 PROJECT NAME RAILROAD CHAN. (BB97) (PAIK/ALD)
 NO. 27/22 8/25/80 03/20 REVISION 1/28/78
 SURVEYOR'S NAME BRADY
 SHEET 22 OF 22 SHEETS
 SCALE: 1" = 40'

480
 490
 490
 490

9+00
 9+25
 9+50
 9+75



INDEX OF SHEETS

- 1 Title Page and Typicals
- 2 Drainage, Grades, Earthworks & Item Quantity Sheet
- 3-5 Blank
- 6-8 Plan and Profile Sheets
- 9-12 Bridge Sheets (Conc. Slab Bridge, Vt-17 over Mill Brook)
- 13 Blank
- 14 A-61 Drilling and Blasting of Solid Rock Subgrade 4-20-73 R
- 15 B-1 Banking Tables 12-8-71
- 16 B-5 Embankment on Earth Slope 12-6-71
- 17 D-6 Reinforced Concrete Drop Inlet with Grate 4-4-73 R
- 18 D-16 Cast Iron Grate with Frame, Type B 11-14-72 R
- 19 E-2 Road Construction Approach Signs 5-14-74 R
- 20 Blank
- 21 G-1 Anchor for Steel Beam Guard Rail, with Steel or Wood Posts at Openings 6-4-74 R
- 22 G-1d Guard Rail, Standard Steel Beam with Wood Posts, Type II 9-10-76 R
- 23 Blank
- 24-31 Cross-Sections
- 32-35 Channel Sections

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS



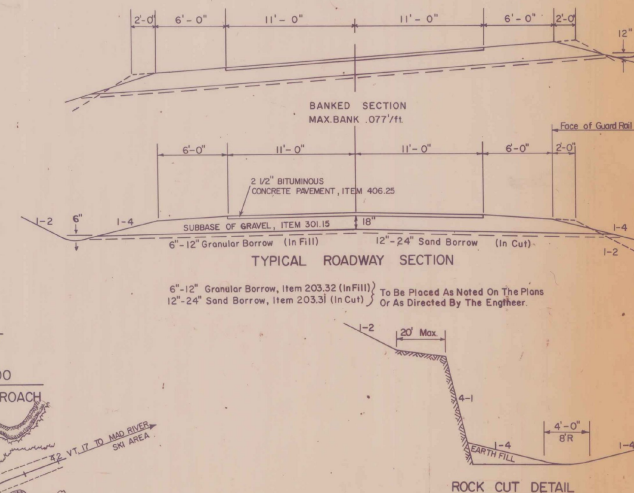
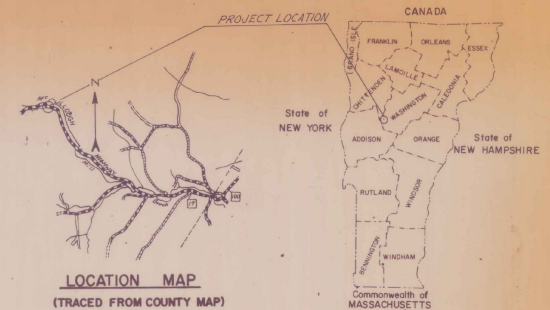
**PROPOSED IMPROVEMENT
BRIDGE PROJECT**

TOWN OF FAYSTON
COUNTY OF WASHINGTON

ROUTE NO: 17 BRIDGE NO: 33

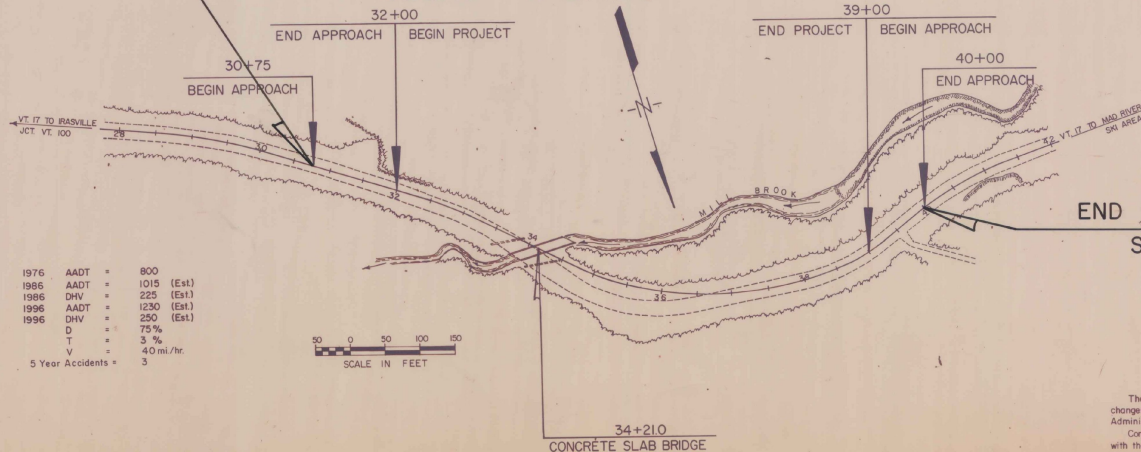
PROJECT LOCATION: BEGINNING AT A POINT ON VT 17, 3.65 MILES WESTERLY OF THE FAYSTON-WAITSFIELD TOWN LINE AND EXTENDING WESTERLY 0.13 MILE.
PROJECT DESCRIPTION: PROJECT SHALL CONSIST OF REMOVAL OF EXISTING SUPERSTRUCTURE, INSTALLATION OF CONCRETE SLAB BRIDGE AND NECESSARY APPROACH WORK.

LENGTH OF STRUCTURE:	210	FEET
LENGTH OF PARTICIPATION ROADWAY:	7000	FEET
LENGTH OF NON-PARTICIPATION ROADWAY:	0000	FEET
LENGTH OF PROJECT:	7000	FEET
LENGTH OF R.O.W. PROJECT:	925.0	FEET

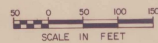


BEGIN R.O.W. PROJ. ROS 0200 (5)
STA. 30+75 ±

R.O.W. PLANS



1976	AADT =	800
1986	AADT =	1015 (Est)
1986	DHV =	225 (Est)
1996	AADT =	1230 (Est)
1996	DHV =	250 (Est)
	D =	75%
	T =	3%
	V =	40 mi./hr.
	5 Year Accidents =	3



- CONVENTIONAL SIGNS
- COUNTY LINE
 - TOWN LINE
 - LIMITS OF ACCESS
 - POINT OF ACCESS
 - FENCE LINE
 - STONE WALL
 - TRAVELED WAY
 - 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

END R.O.W. PROJ. ROS 0200 (5)
STA. 40+00 ±

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Chief Engineer, March, 1976. Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on a project to project basis, including all subsequent revisions and such revised specification and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

APPROVED *ROMumm* DATE 2-7-77
Atty CHIEF ENGINEER

APPROVED *W. R. ...* DATE 2-7-77
R.O.W. DIRECTOR

PROJECT ROS NO 0200 (5)
FAYSTON
SHEET 1 OF 5 SHEETS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	MAD RIVER CORPORATION	3	32+73 LT. 32+50 LT.	35+25 LT. 33+75 LT.	0.06 AE		SLOPE (P) (0.08 A±)	WD	6-16-77	FAYSTON	34	111- 114	2700 S.F± 3300 S.F±
2	GREEN MOUNTAIN POWER CORP.												UTILITY
3	WAITSFIELD - FAYSTON TELEPHONE CO., INC.												UTILITY

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

LEGEND

MADE BY: <u>KDP</u> DATE: <u>2-7-77</u>	DR. RT. - DRAINAGE RIGHT DIT. RT. - DITCHING RIGHT CH. RT. - CHANNEL RIGHT DRIVE RT. - DRIVE RIGHT CUL. RT. - CULVERT RIGHT (D) - DEMOLITION OR REMOVAL (W) - WATER SOURCES	PRESENT R.O.W. /// - - - - - TAKING WITHOUT ACCESS P - L - - TAKING WITHOUT ACCESS ALONG PROPERTY LINES - - - - - TAKING WITH ACCESS (P) PERMANENT EASEMENT (T) TEMPORARY EASEMENT
CHECKED BY: <u>WEB</u> DATE: <u>2-7-77</u>		SR - SR - SLOPE RIGHTS P - P - PROPERTY LINE - Δ - Δ - Δ - TOP OF CUT O - O - O - TOE OF SLOPE

APPROVED *Thomas W. Meyer* DATE 2-7-77
CHIEF OF PLANS & TITLES

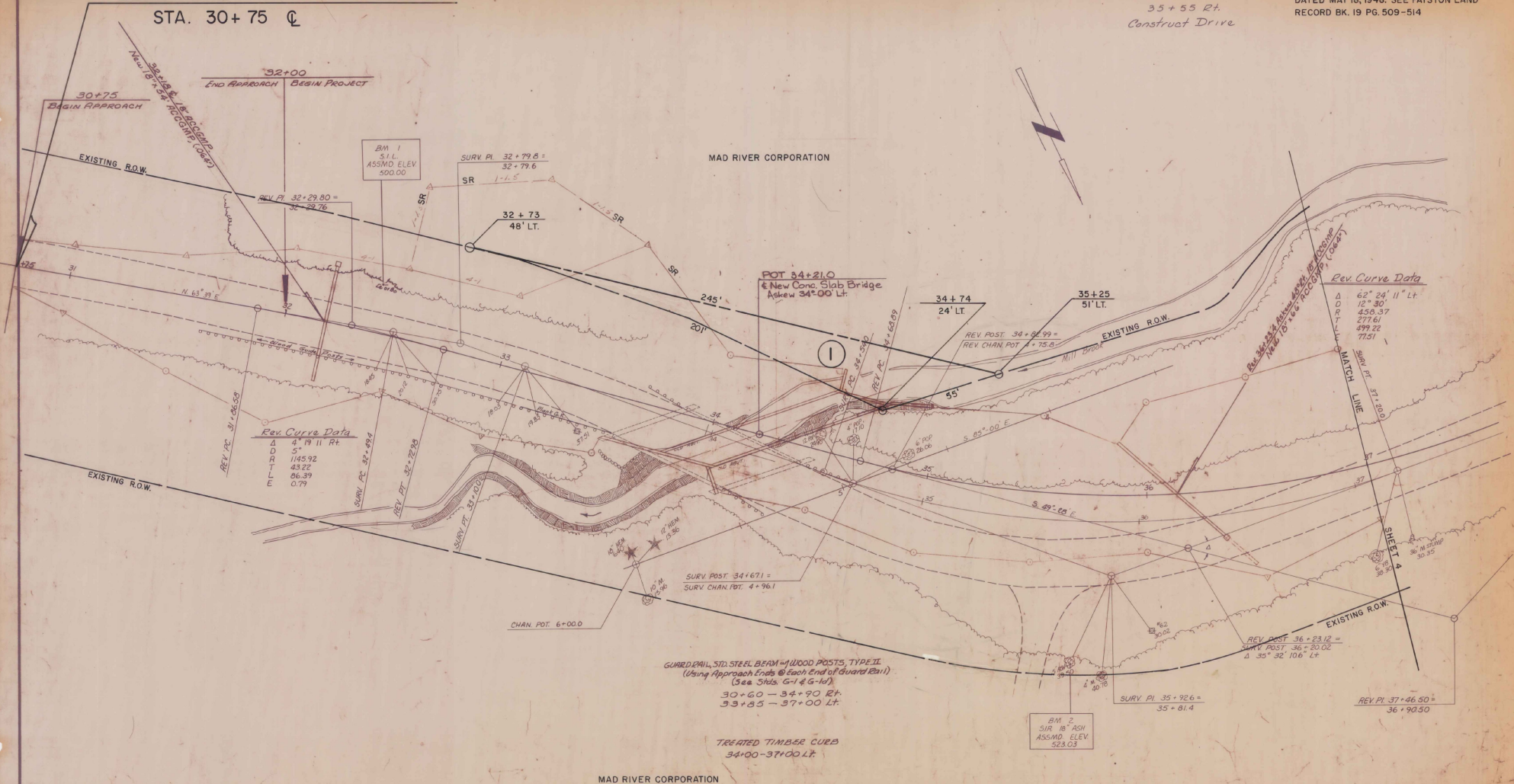
PROJECT FAYSTON
NO. ROS 0200 (5)
SHEET 2 OF 5

BEGIN R.O.W. PROJECT ROS 0200 (5)

STA. 30+75 \perp

EXISTING R.O.W. PLOTTED FROM SURVEY
DATED MAY 18, 1948. SEE FAYSTON LAND
RECORD BK. 19 PG. 509-514

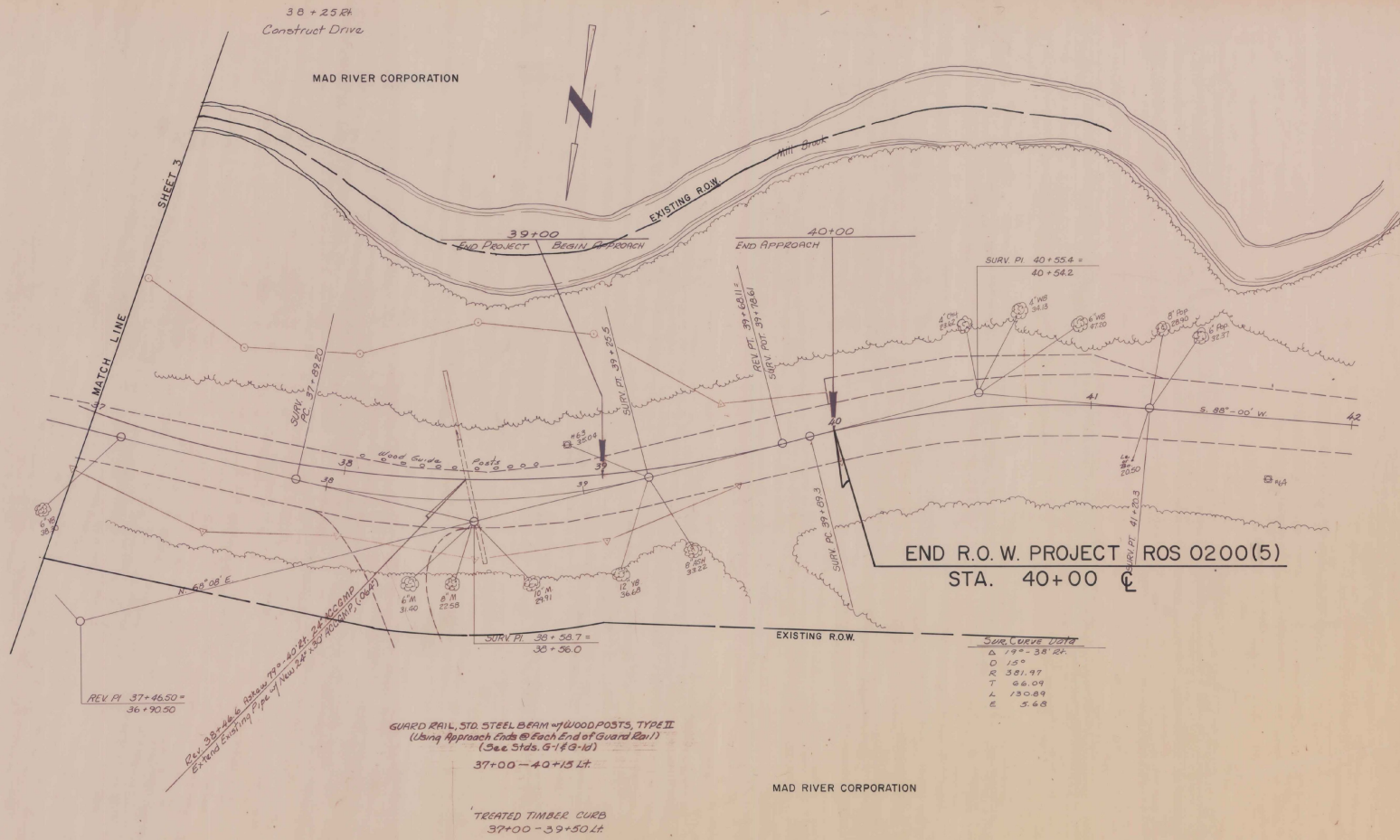
35+55 Rt.
Construct Drive



MAD RIVER CORPORATION

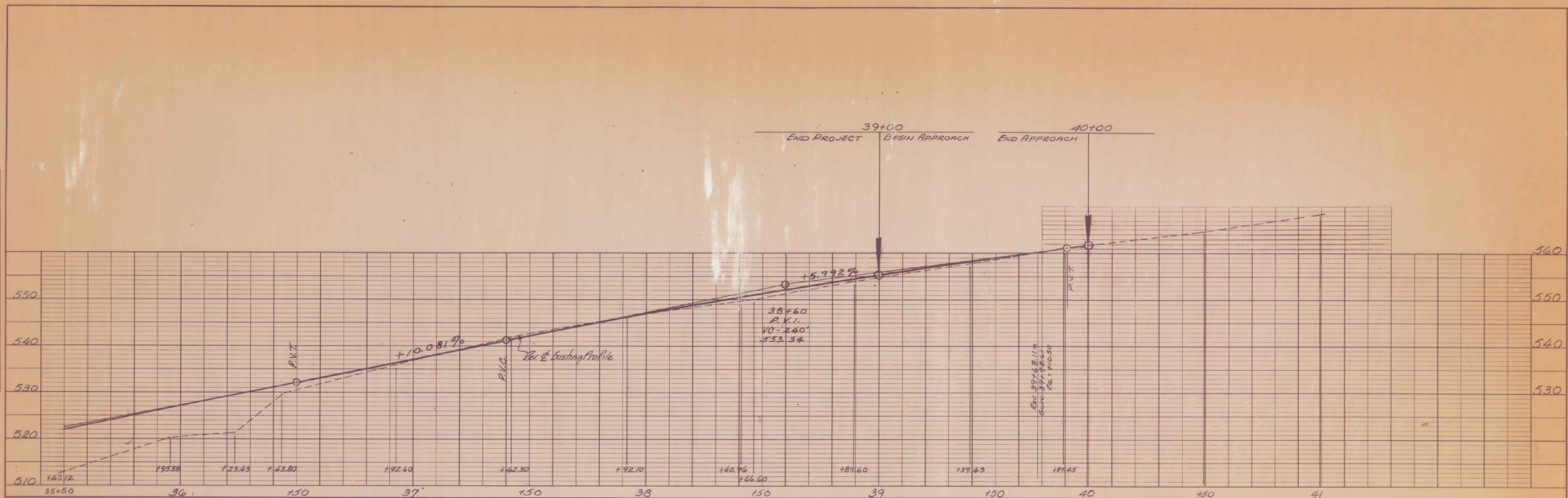
SURVEYED BY: *FAYSTON* DATE: *MAY 74*
 DRAWN BY: _____ DATE: _____
 TRACED BY: *SHINGROW* DATE: *MAY 74*
FAYSTON
 PROJ. ROS NO. 0200 (5)
 SHEET 3 OF 5

EXISTING R.O.W. PLOTTED FROM SURVEY DATED
MAY 18, 1948. SEE FAYSTON LAND RECORD 19/509-514

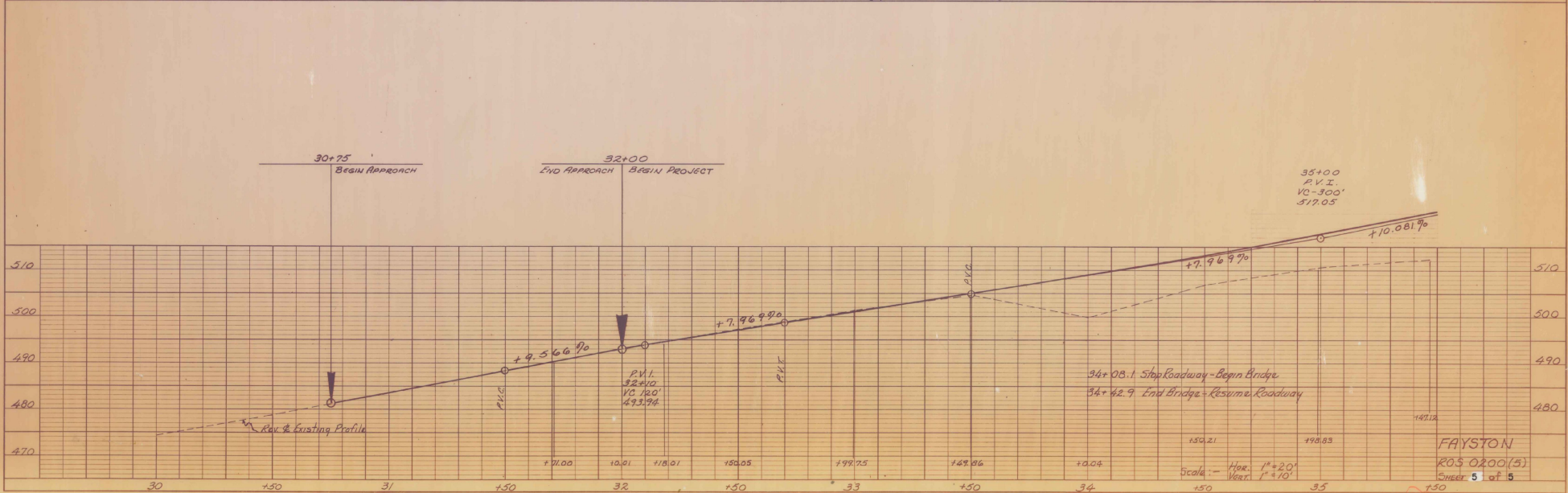


SURVEYED BY FANTONI DATE May '74
 DRAWN BY _____ DATE _____
 TRACED BY SHUNG BOW DATE MAR 76
FAYSTON
 PROJ. ROS NO. 0200(5)
 SHEET 4 OF 5

DATE: _____ BY: _____
 PLAN
 PROJECT NO. 205 0200 (5)
 SHEET NO. 5 OF 5
 CHECKED BY: _____
 DESIGNED BY: _____



DATE: _____ BY: _____
 PROFILE
 PROJECT NO. 205 0200 (5)
 SHEET NO. 5 OF 5
 CHECKED BY: _____
 DESIGNED BY: _____



Bridge³³
19 77
78

Fayston
R O-S-0200 (5)

19 77
78

Vermont Agency of
Transportation
PHASE 1-INTERSTATE
#122302-01
INITIALS
Box 2114
INITIALS

R.O.W.
1977 BR 33 VT 17

Fayston
ROS-0200 (5)

R.O.W.
1977

Vermont Agency of
Transportation
PHASE 1-INTERSTATE
#122302-01
INITIALS
Box 2129
DONE