INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
2 TYPICAL CROSS SECTION OF IMPROVEMENT — 3" BITUMINOUS CONCRETE PAVEMENT ITEM 361-B
3 QUANTITY SHEET (ITEMS)
4 QUANTITY SHEET (DRAINAGE)
5-6 EARTHWORK SHEETS
7-10 PLAN & PROFILE SHEETS
11 DETAILS OF 84" X 264' CGMPP STA. 274+00
12-14 CHANNEL SECTIONS STA. 273+93
15 DETAILS OF 72" X 112' CGMPP STA. 279+76
16 ROADWAY STANDARD SHEET RS 56-1 (BANKING TABLES)
17 ROADWAY STANDARD SHEET RS 56-3 (MARKERS)
18 ROADWAY STANDARD SHEET RS 56-4 (DRAINAGE)
19 ROADWAY STANDARD SHEET RS 56-6 (TYPICAL GRADING & TURNOUTS)
20 ROADWAY STANDARD SHEET RS 56-9 (DRILLING & BLASTING OF SOLID ROCK SUBGRADE)
21 ROADWAY STANDARD SHEET RS 56-11 (THREE CABLE GUARD RAIL WITH STEEL POSTS)
22 ROADWAY STANDARD SHEET RS 56-12 (BARRICADES, SIGNS, & LIGHTS)
23-35 CROSS SECTIONS

PROJECT NAME & NO.	TYPE	PAVEMENT AREA
ROCKINGHAM F 99(8)	BIT. CONC. PAVE	12379 SQ. YDS.

RECORD PLANS

MATERIALS

SUBBASE OF GRAVEL — ROVITTI, BELLOWS FALLS COUNTRY CLUB, & WHITCOMB PITS, ROCKINGHAM, VT.	REINFORCED CONCRETE PIPE — VERMONT CONCRETE PIPE CO. WINDSOR, VT.
MACADAM BASE COURSE — COLD RIVER SAND & GRAVEL CO NO. WALPOLE, N.H.	A.C.C.G.M.P. & PLATE PIPE — NEW ENGLAND METAL CULVERT CO. PALMER, MASS.
REFINED TAR — OLD COLONY TAR CO. WORCESTER, MASS.	REINFORCING STEEL — RYERSON STEEL CO. PALMER, MASS.
BITUMINOUS CONCRETE PAVEMENT — COLD RIVER HOT MIX CORP. NO. WALPOLE, N.H.	THREE CABLE GUARD RAIL — FAULSON WEBBER CORDAGE CORP. SUNBURY, PA.
CONCRETE CLASS "B" — CHARLESTON TRANSIT MIX CONC. CO. CHARLESTON, N. H.	

CONTRACTOR — FRANK W. WHITCOMB CONST. CORP. NO. WALPOLE, N. H.	CONTRACT DATED FEBRUARY 26, 1958.
RESIDENT ENGINEER — WILFRED H. DRATH.	CONTRACT STARTED APRIL 20, 1958.
RECORD PLANS — A.G. SPIDLE.	CONTRACT COMPLETED OCTOBER 22, 1958.
	CONTRACT ACCEPTED OCTOBER 22, 1958.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

STATE PROJECT

TOWN OF ROCKINGHAM
COUNTY OF WINDHAM
VERMONT ROUTE 103
BELLOWS FALLS - CHESTER ROAD

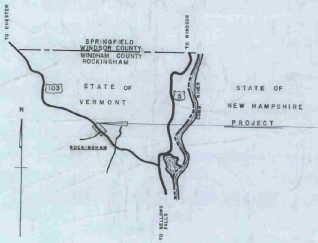
BEGINNING AT A POINT APPROXIMATELY 2.40 MILES NORTHWEST OF THE INTERSECTION OF U.S. ROUTE 5 AND VERMONT ROUTE 103 AND EXTENDING NORTHWESTERLY 0.738 MILE.

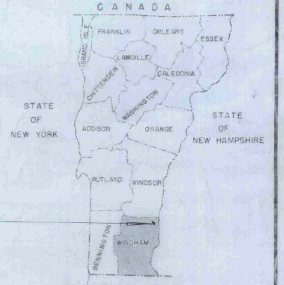
LENGTH OF PROJECT 3,900.0 FEET = 0.738 MILE

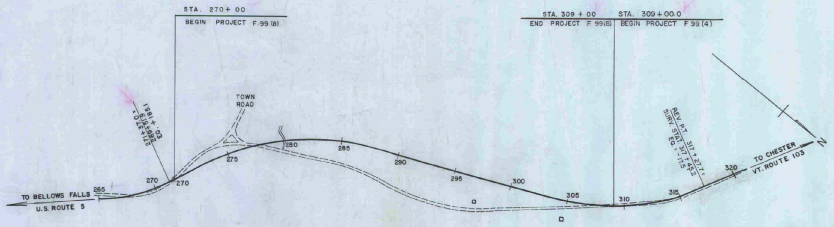
DESIGN DESIGNATION

ADT (1955)	1920
ADT (1975)	2850
DHV	420
D	57 %
T	10 %

FED. ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
I	VT.	F 99(8)	1958 WAN	1	35







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

ROCKINGHAM F 99(8)
CONTRACTOR FRANK W. WHITCOMB CONST. CORP.
RECORD PLANS A.G.SPIDLE.
CONTRACT COMPLETED OCTOBER 22, 1958.

Rec. in Hgwy
F 99 (8)
Frank W. Whitcomb Construction Corp
No Walpole N. H.
Bituminous Concrete Pavement
1958
Beginning at a point approximately 2.40 miles northwest of the intersection of U.S. Route 5 & Vt. Route 103 and extending northwesterly 0.738 miles
LENGTH 0.738 MI.

GROUND ELEVATION ..... DATUM ..... M.S.L. LINE
GRADE ELEVATION ..... DATUM ..... 125 LINE

CURVE DATA

DEFLECTION OF ANGLE	Δ
DEGREE OF CURVE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	P.I.
POINT OF CURVE	P.C.
POINT OF TANGENT	P.T.
POINT ON TANGENT	P.O.T.
POINT ON SUB-TANGENT	P.O.S.T.

SCALES

TITLE	1" = 500'
TYPICAL	1" = 2.5'
PLAN	1" = 50'
PROFILE HORIZONTAL	1" = 50'
PROFILE VERTICAL	1" = 10'
CROSS-SECTIONS	1" = 5'

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.

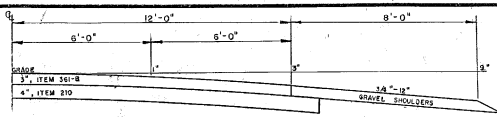
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE

APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED
SECONDARY ENGINEER	CONSTRUCTION ENGINEER	BRIDGE ENGINEER	DISTRICT ENGINEER	HIGHWAY ENGINEER	STATE HIGHWAY ENGINEER
DATE	DATE 1-7-1958	DATE	DATE 1/31/58	DATE 1/7/58	DATE 1/7/58
					SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

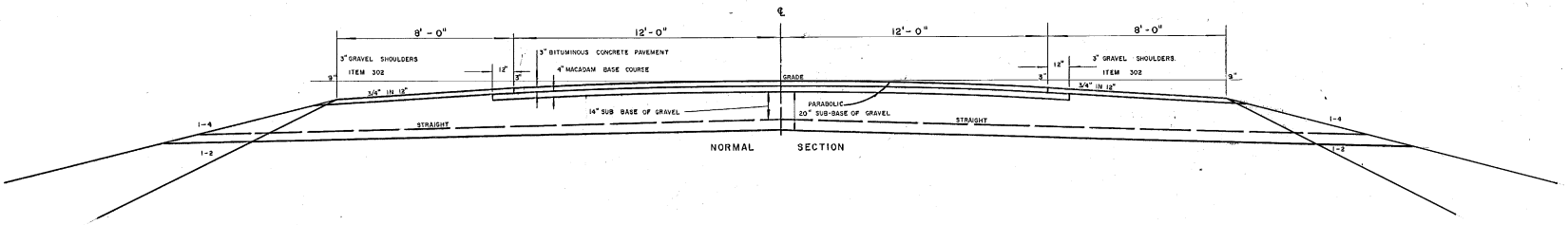
PROJECT F NO. 99(8)
SHEET 1 OF 35 SHEETS

TYPICAL SECTIONS

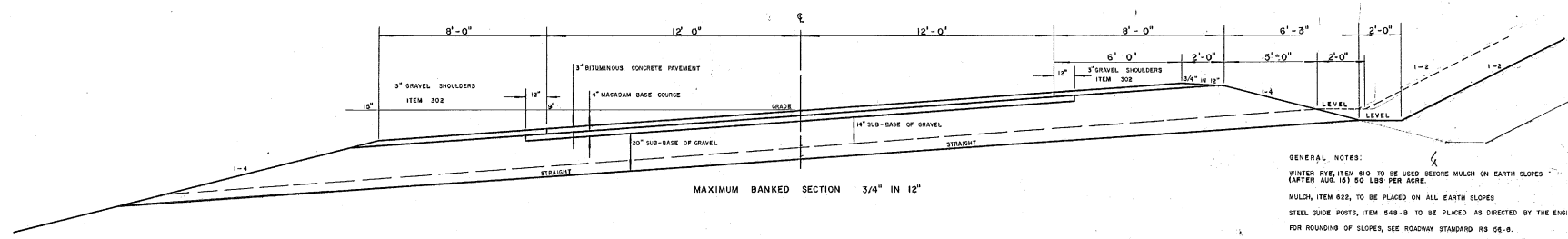
(3") BITUMINOUS CONCRETE PAVEMENT, ITEM 361-B
(4") MACADAM BASE COURSE, ITEM 210
SUB-BASE OF GRAVEL, ITEM 201-A
GRAVEL SHOULDERS, ITEM 302
SINGLE TACK COAT OF REFINED TAR WITH SAND COVER, ITEM 316-A
ON MACADAM BASE COURSE AT 0.3 TO 0.5 GAL. PER SQUARE YARD



DETAIL OF PARABOLIC SHOWING QUARTER POINT



NORMAL SECTION



MAXIMUM BANKED SECTION 3/4" IN 12"

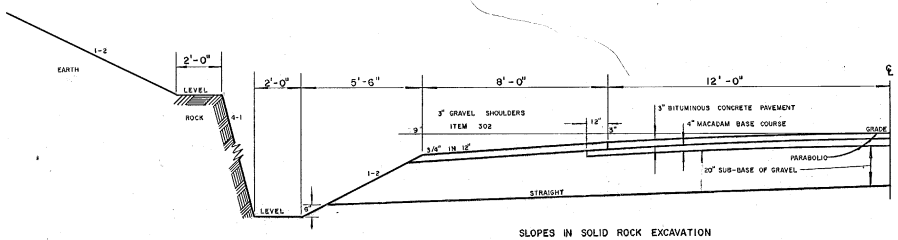
GENERAL NOTES:

WINTER RYE, ITEM 610 TO BE USED BEFORE MULCH ON EARTH SLOPES (AFTER AUG. 15) 50 LBS PER ACRE.

MULCH, ITEM 622, TO BE PLACED ON ALL EARTH SLOPES

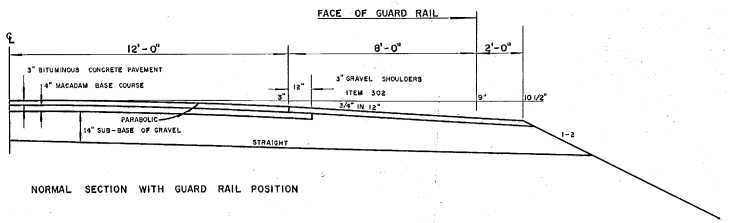
STEEL GUIDE POSTS, ITEM 548-B TO BE PLACED AS DIRECTED BY THE ENGINEER.

FOR ROUNDING OF SLOPES, SEE ROADWAY STANDARD RS 56-8.



SLOPES IN SOLID ROCK EXCAVATION

REFER TO STANDARD STRUCTURE SHEET RS 56-9 FOR DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE ITEM 114



NORMAL SECTION WITH GUARD RAIL POSITION

THE COMMERCIAL FERTILIZER SHALL BE MIXED AS FOLLOWS:

NITROGEN	10	RATE OF APPLICATION
PHOSPHORUS	10	500 LBS/ACRE
POTASH	10	

ALL PHOSPHORIC ACID TO BE DERIVED FROM BONE.
FERTILIZER SHALL BE DELIVERED IN BAGS OF NOT TO EXCEED 100 LBS. EACH.

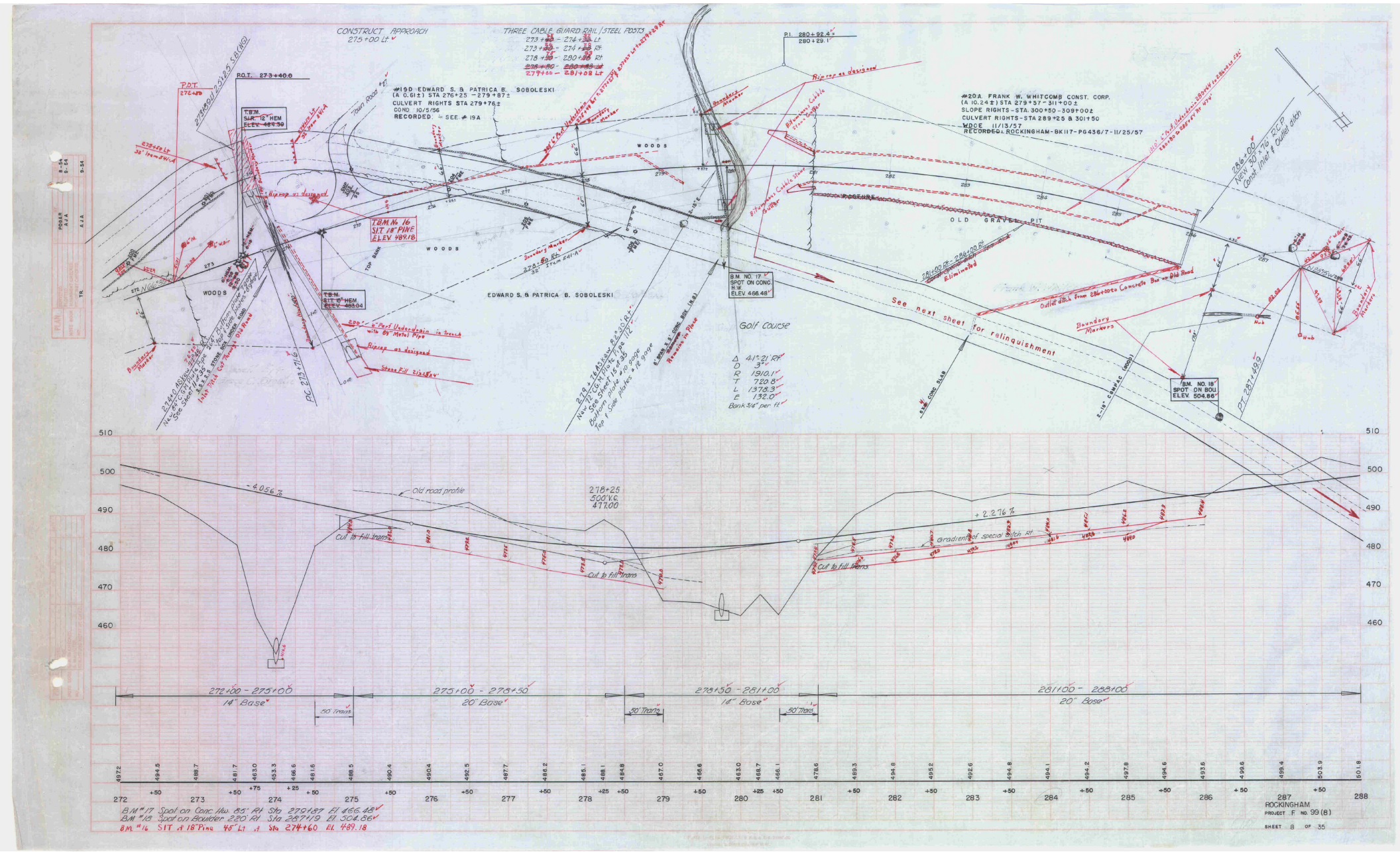
THE SEED MIXTURE SHALL BE COMPOSED BY WEIGHT AS FOLLOWS

RED TOP	25 LBS/ACRE	45 %	
CANADIAN BLUE GRASS	15 LBS/ACRE	27 %	RATE OF BROADCAST
DUTCH WHITE CLOVER	10 LBS/ACRE	18 %	55 LBS/ACRE
EMPIRE TREFOIL	5 LBS/ACRE	10 %	
TOTAL	55 LBS/ACRE		

SEEDING, ITEM 611, COMMERCIAL FERTILIZER FOR GRASSES, ITEM 615, TO BE USED ON ALL SLOPES.

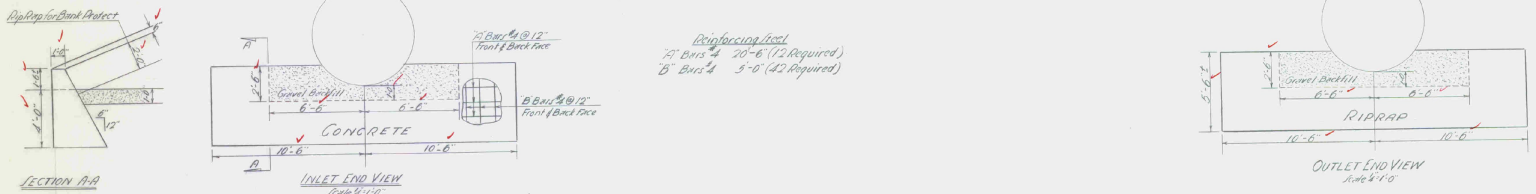
ROCKINGHAM

DESIGNED	BY	LCJ.	NOV. 1957
DRAWN	BY	AJA	
TRACED	BY	AJA	
PROJECT	F	NO.	99(8)
SHEET	2	OF	35

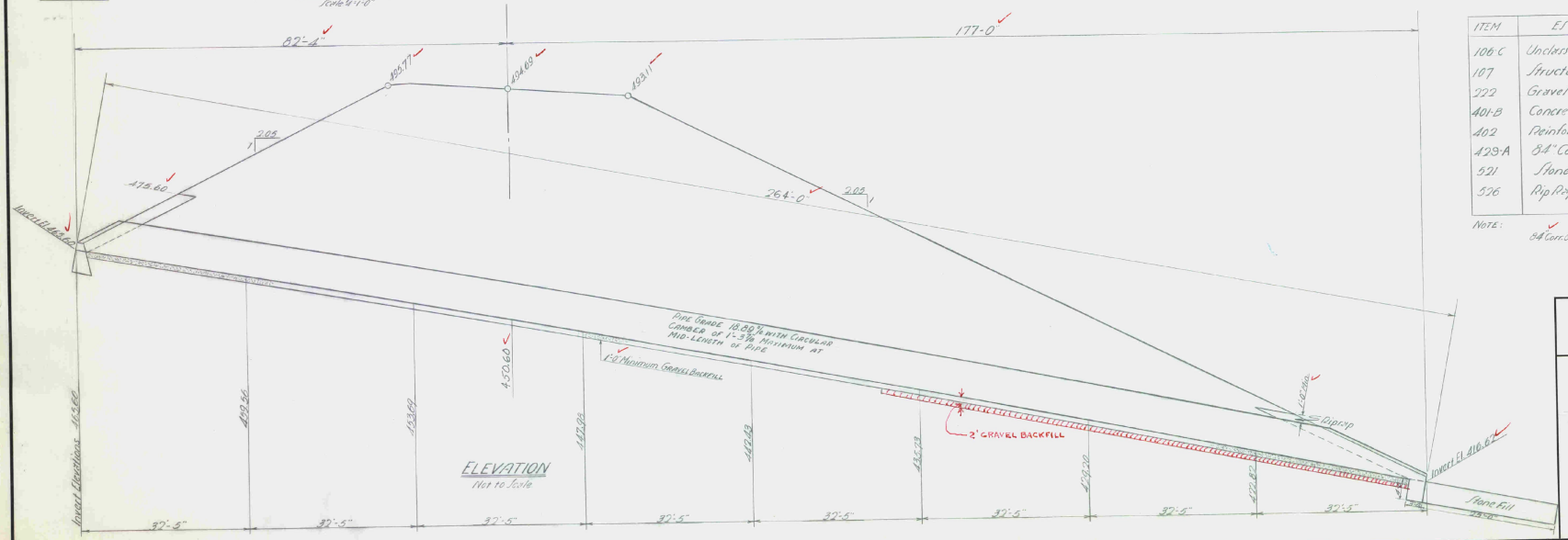


B.M. #17 Spot on Conc. Hw. 65' Rt. Sta. 279+87 El. 466.48'
B.M. #18 Spot on Boulder 220' Rt. Sta. 287+19 El. 504.86'
B.M. #16 SIT. 18" Pine 46' Lt. ± Sta. 274+60 El. 489.18





Reinforcing Steel
"A" Bars #4 20'-6" (72 Required)
"B" Bars #4 5'-0" (42 Required)



ITEM	ESTIMATED QUANTITIES	AMOUNT	
106·C	Unclassified Channel Excav.	250 cy	108 cy
107	Structure Excavation (Mod.)	850 cy	818 cy
222	Gravel Backfill	360 cy	301 cy
401·B	Concrete Class "B" (Mod.)	10.0 cy	9.8 cy
402	Reinforcing Steel	310 lbs	
429·A	84" Corr. Galv. Metal Plate Pipe (16 ga)	106 lin ft	
521	Stone Fill	115 cy	78 cy
526	Rip Rap for Bank Protection	~~75 cy~~	47.5 cy

NOTE: 84" Corr. Galv. Metal Pipe #8 Gage Top & Side plates #7 Gage Bottom plate

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ROCKINGHAM
ROUTE NO. VT. 103 LOG STA.
84" Corr. Galv. Metal Plate Pipe
At Sta. 274+00
SCALE As Noted
SURVEYED BY Jewett
DRAWN BY A.B.M. CHECKED BY W.M.S.
PROJECT NO. F 99(8)
SHEET 11 OF 35