FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	FH1-1(I)		1	79

INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
2 TYPICAL SECTION OF IMPROVEMENT
3-5 SUMMARY OF QUANTITIES
6 PIPE-ARCH PLAN
7-11 PLAN AND PROFILE
12-79 CROSS SECTIONS

STANDARD SHEET No.1 JUNE 16, 1961
No.2 REV. MAY 20, 1963
No.5 REV. SEPT. 1, 1962
No.6 REV. DEC. 27, 1960

CS-1 REV. APRIL 5, 1963
CS-1A REV. FEB. 14, 1964
CS-2 JUNE 1, 1962
CS-3 REV. OCT. 25, 1962
CS-4 REV. OCT. 25, 1962

SIGN STD. SHEET #2, APRIL, 1960

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

PLANS OF PROPOSED

FOREST HIGHWAY PROJECT
№ FH1-1(I)

N.H. PROJECT NO. P-7215

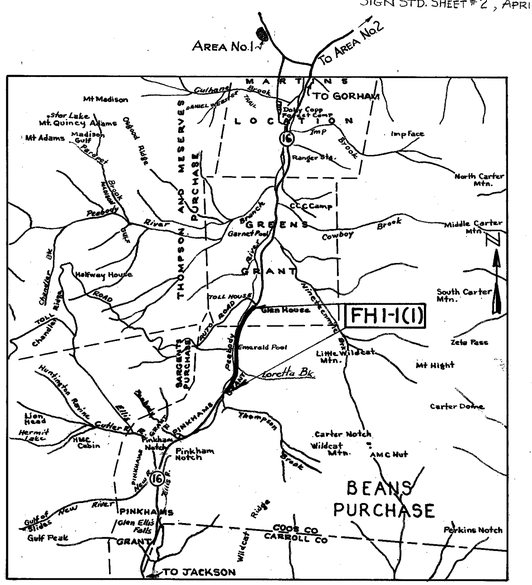
WHITE MOUNTAIN HIGHWAY

SCALES (PLAN 1" = 50'-0"
PROFILE VERT. 1"=10'-0" HOR. 1" = 50'-0"
CROSS SECTION VERT. 1" =10'-0" HOR. 1" =10-0")

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS DATED NOV. 1, 1960

AND STANDARD SHEETS LISTED IN THE INDEX ON FILE WITH THE BUREAU OF PUBLIC ROADS AND SPECIAL PROVISIONS ATTACHED TO PROPOSAL.

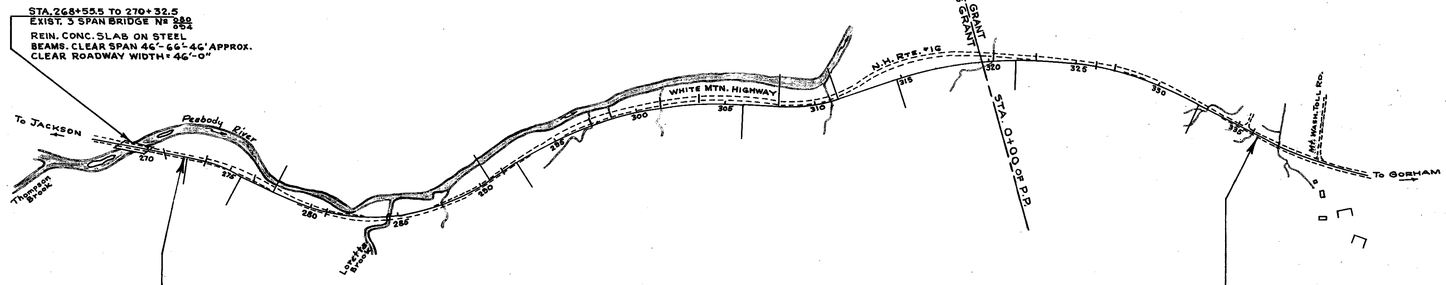
DESIGN DATA		
AVERAGE DAILY TRAFFIC 1965	1406	
AVERAGE DAILY TRAFFIC 1985	2364	
TRAFFIC CLASSIFICATION	M	
DESIGN SPEED	50	M.P.H.
MAXIMUM CURVATURE	6°30'	DEGREES
MAXIMUM GRADIENT	6.99	%
NON-PASSING SIGHT DISTANCE K FACTOR – CREST 120 SAG 100		
LENGTH OF PROJECT	1.216	MILES



LOCATION MAP

GRAVEL PITS

SCALE OF MILES



STA. 272+00
END OF F 027-2(8)
24' HOT ASPH. CONC. PAVE.
BUILT IN 1961

STA. 272+00
BEGINNING OF FH1-1(I)
=STA. 164+45 OF PROGRESS PROFILE

STA. 336+20.87
END OF FH1-1(I)
=STA. 16+71 OF PROG. PROFILE

STA. 11+25.0
BEGINNING OF F 247(2)
24' RD. MIX PAVE.
BUILT IN 1952

LAYOUT
SCALE 1" = 400 FEET

CONVENTIONAL SIGNS

STATE LINE
TOWN LINE
FENCE
STONE WALL
UNFENCED PROPERTY
TRAVELED WAY
RAILROADS
RETAINING WALL
SEWER MANHOLE
HYDRANT
LEDGE
SWAMP
R O W LINE
SURVEY LINE
CULVERTS
POWER POLES
TELEPHONE POLES
GROUND ELEVATION
GRADE ELEVATION
SLOPE LINE
CATCH BASIN
DROP INLET
BRUSH LINE
COMB. POLE

PINKHAMS GRANT – GREENS GRANT
COUNTY OF COOS

RECOMMENDED FOR APPROVAL: DATE 11/19/64.

DEPUTY COMMISSIONER AND CHIEF ENGINEER

APPROVED:

John O. Morton
COMMISSIONER

SECONDARY ROADS ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:

DIVISION ENGINEER DATE

DRAWN BY ANDERSON DATE 6-16-64
CHECKED BY KLUN DATE 7-14-64

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FH1-1(I)	1	79

300-12-58 MODERN BLUE PRINT CO. NO. 70 REVILO 23535

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	FH I-1(1)		2	79

TYPICAL SECTION OF IMPROVEMENT NO. 5

TYPE I-1 HOT ASPHALTIC CONCRETE PAVEMENT

FOR LOCATION OF ALL DETAILS SEE SHEET 3-5

SCALE — 1/4" = 1'-0"

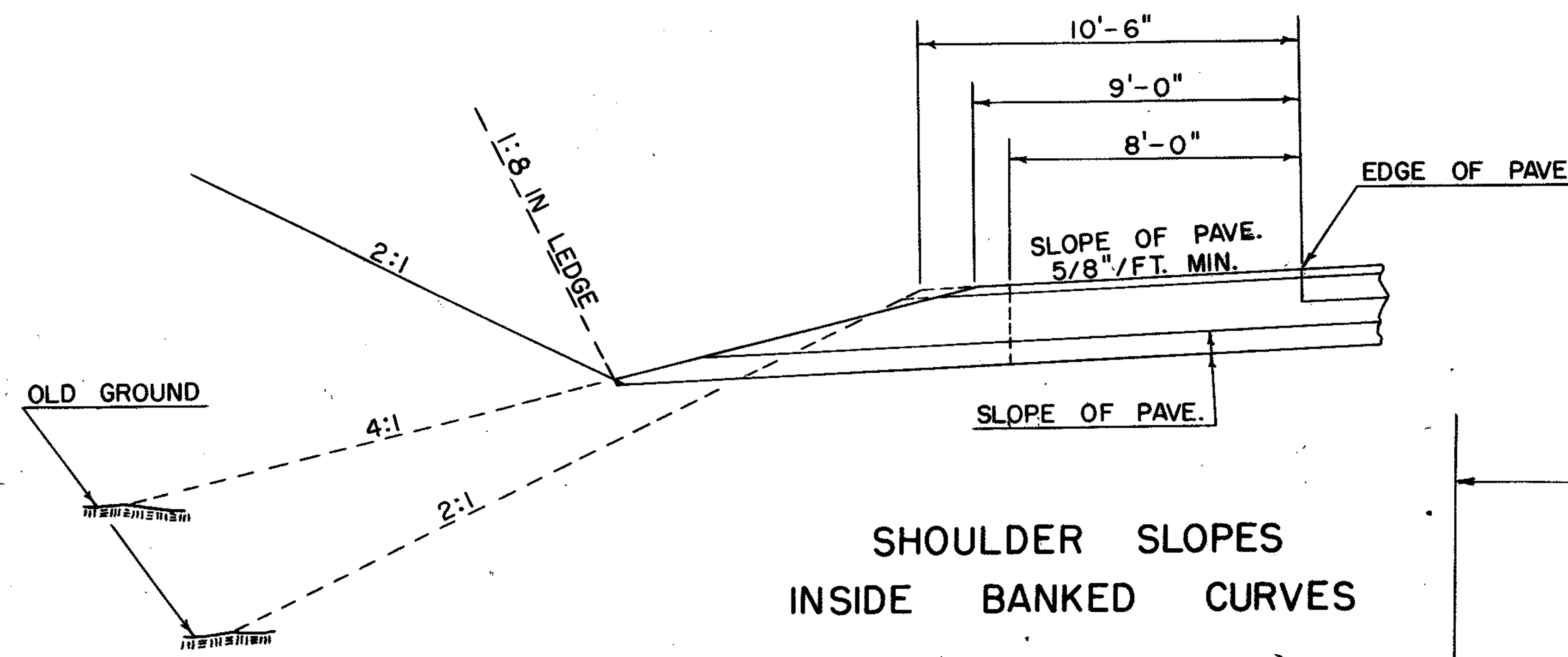
GENERAL NOTES

ITEM 231, CLASS A ASPHALT SURFACE TREATMENT INCLUDING SAND COVER 26 FEET WIDE (36 FEET WIDE WITH TRUCK LANE) AS A PRIME COAT ON THE FOUNDATION COURSE 1.25 GALLONS PER SQ. YD. (361.11 GALLONS PER 100 LIN. FT. OR 500.00 GALLONS PER 100 LIN. FT. WITH TRUCK LANE) OR AS ORDERED TO BE APPLIED IN THREE APPLICATIONS OF 0.50, 0.25 AND 0.50 GALLON PER SQ. YD. RESPECTIVELY, THE THIRD APPLICATION SHALL BE APPLIED AS ORDERED BY THE CONSTRUCTION ENGINEER.

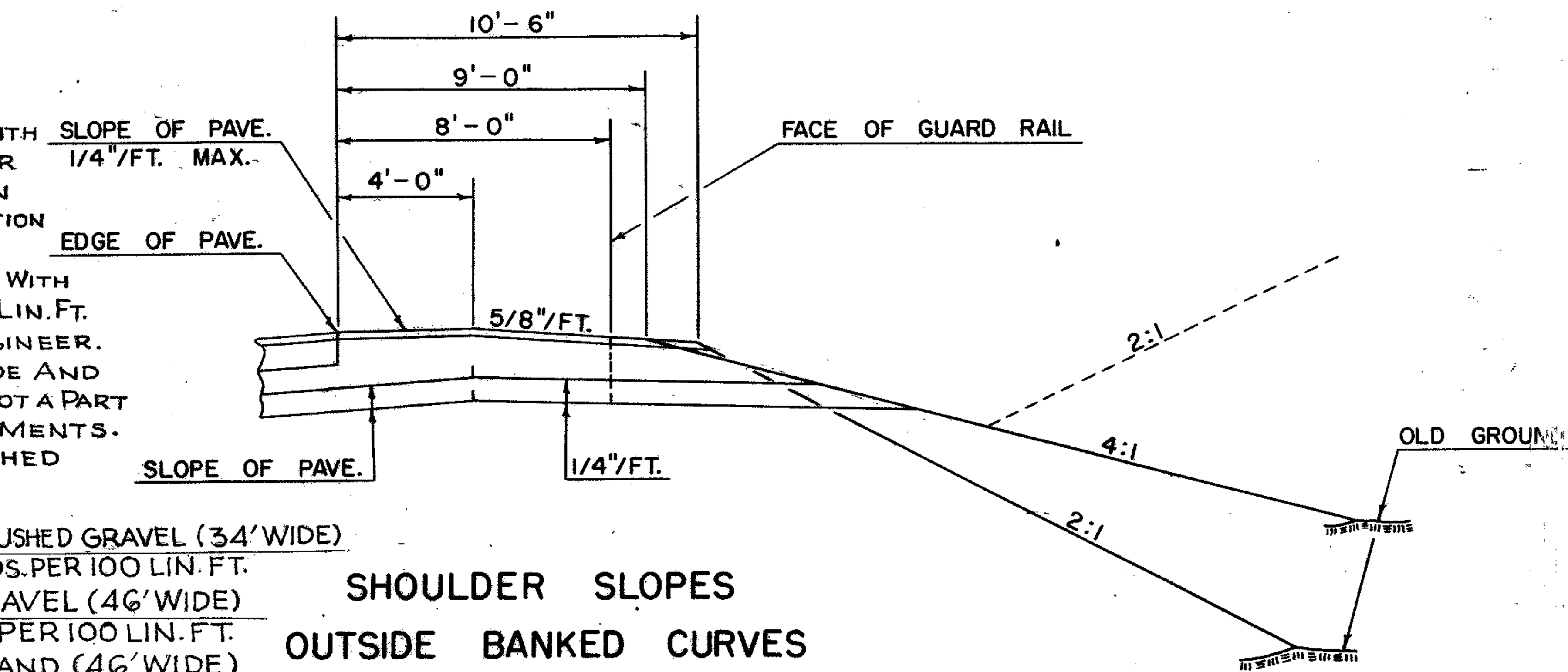
ITEM 231, CLASS A ASPHALT SURFACE TREATMENT INCLUDING SAND COVER 8 FEET WIDE (OR 4 FEET WIDE WITH THE TRUCK LANE) AS A SHOULDER TREATMENT 1.00 GALLON PER SQ. YD. (88.89 GALLONS PER 100 LIN. FT. OR 44.44 GALLONS PER 100 LIN. FT. WITH TRUCK LANE) TO BE APPLIED AS ORDERED BY THE ENGINEER.

ADJUSTMENT OF UTILITY COVERS, SHUTOFFS OR SIMILAR STRUCTURES TO THE NEW PAVEMENT GRADE AND THE MOVING OF UTILITY POLES WILL BE DONE BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE, NOT A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE IN EVERY WAY TO EXPEDITE SUCH ADJUSTMENTS.

TOPSOIL SHALL BE REMOVED FOR IT'S FULL DEPTH WHEN ENCOUNTERED 6 FEET OR LESS FROM FINISHED GRADE WITHIN THE LIMITS OF THE ROADBED.



SHOULDER SLOPES INSIDE BANKED CURVES



SHOULDER SLOPES OUTSIDE BANKED CURVES

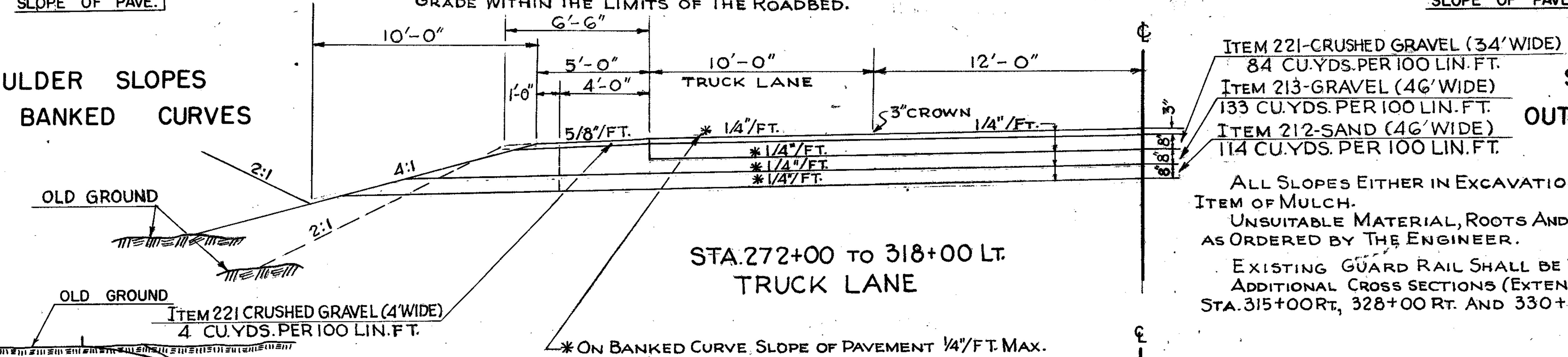
(GENERAL NOTES CONTINUED)

ALL SLOPES EITHER IN EXCAVATION OR FILL AREAS NOT OTHERWISE IMPROVED SHALL BE MULCHED UNDER THE ITEM OF MULCH.

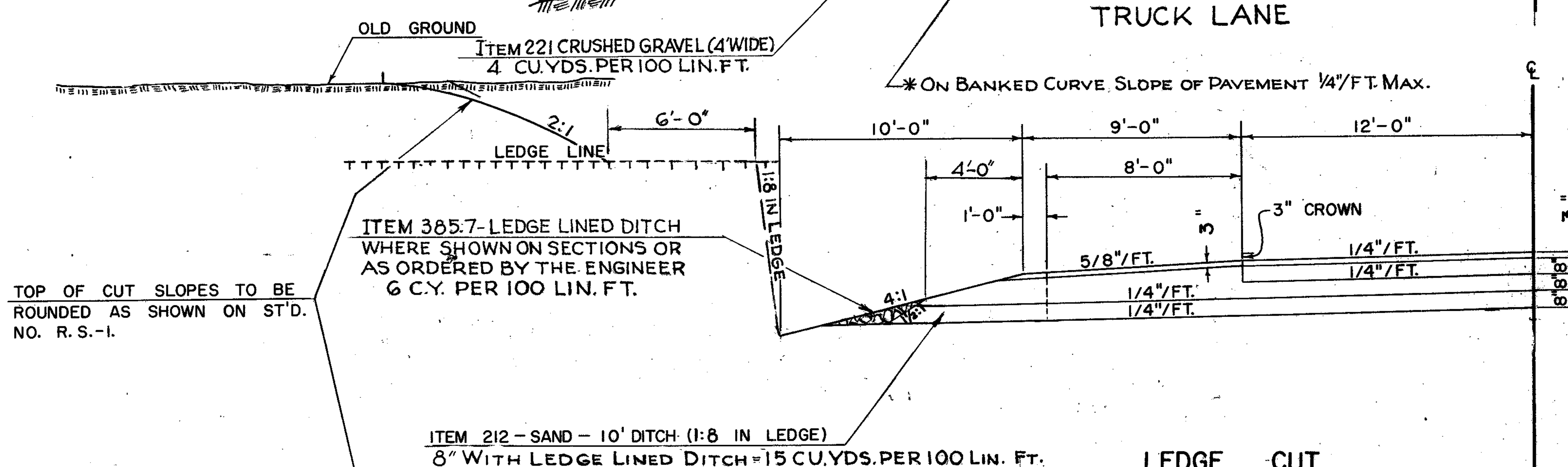
UNSUITABLE MATERIAL, ROOTS AND STUMPS WITHIN THE LIMITS OF THE ROADBED SHALL BE COMPLETELY REMOVED AS ORDERED BY THE ENGINEER.

EXISTING GUARD RAIL SHALL BE REMOVED SUBSIDIARY TO THE SEVERAL ITEMS OF THE CONTRACT.

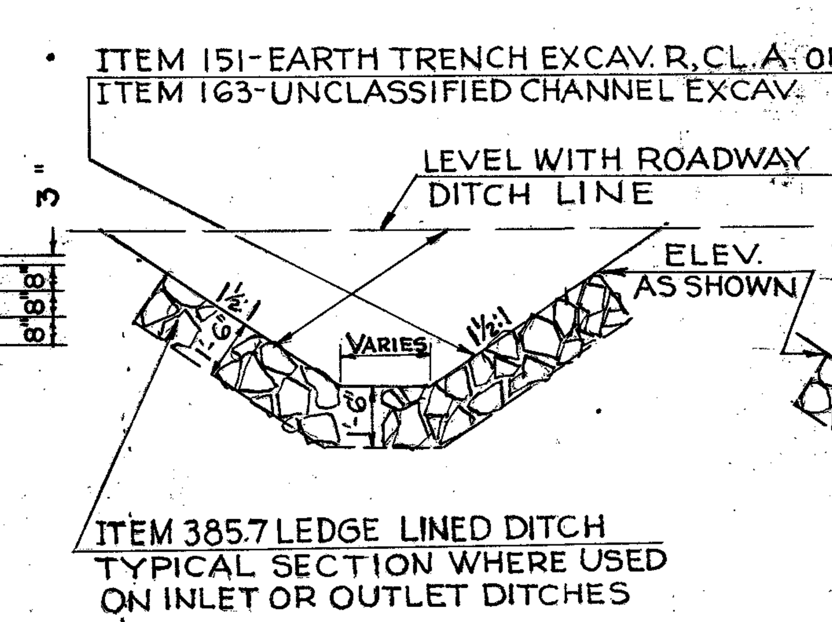
ADDITIONAL CROSS SECTIONS (EXTENSIONS) TO BE TAKEN PRIOR TO CONSTRUCTION : STA. 289+50 RT., STA. 305+50 TO 309+50 RT., STA. 315+00 RT., 328+00 RT. AND 330+00 RT.



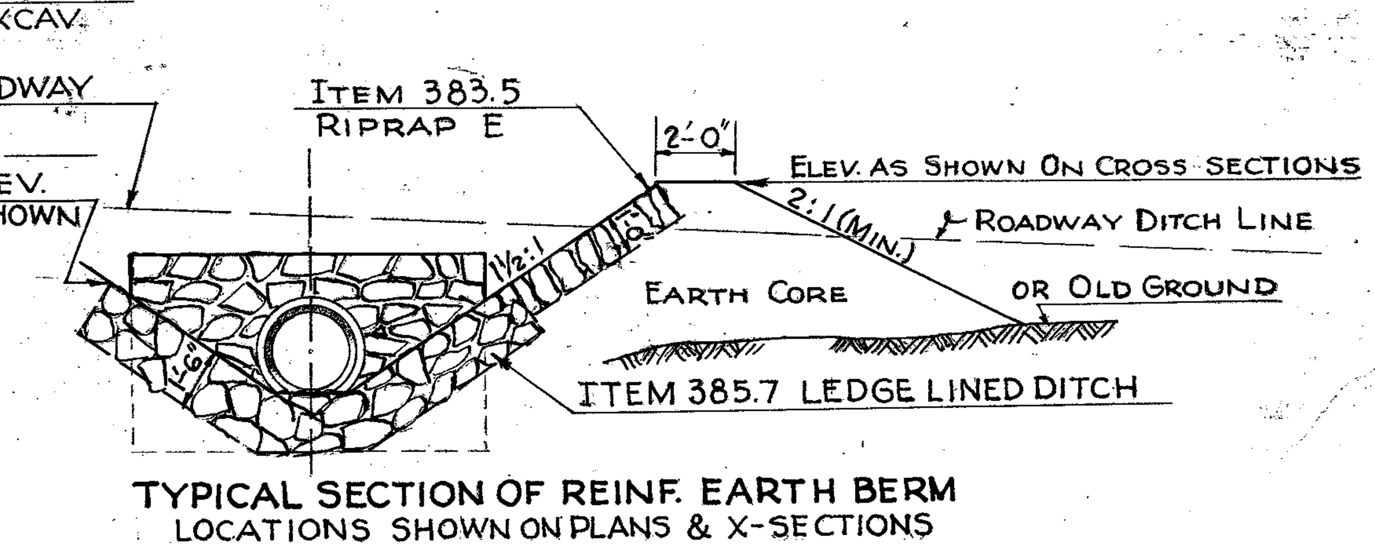
STA. 272+00 TO 318+00 LT.
TRUCK LANE



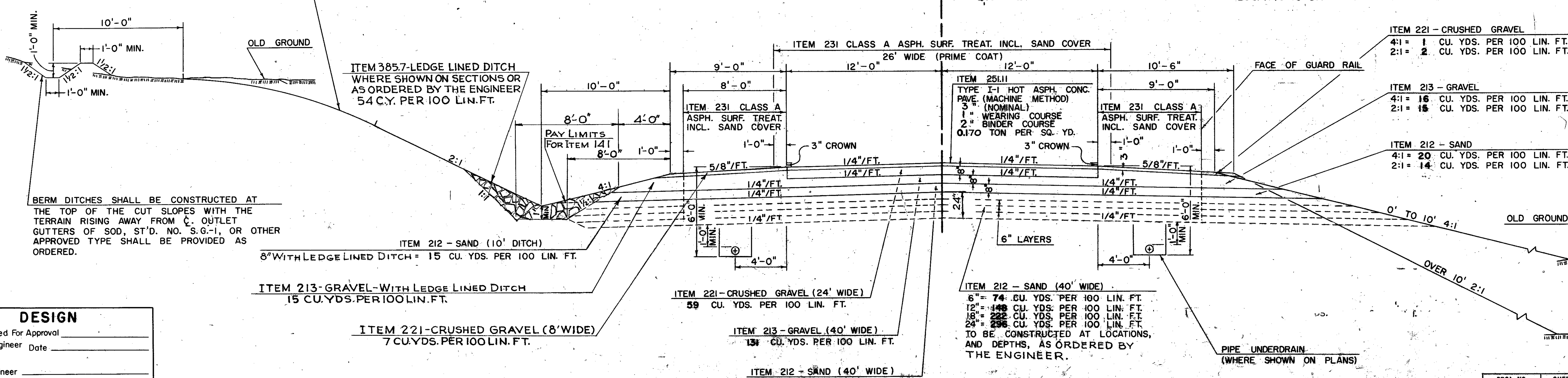
LEDGE CUT



TYPICAL SECTION WHERE USED ON INLET OR OUTLET DITCHES



TYPICAL SECTION OF REINF. EARTH BERM
LOCATIONS SHOWN ON PLANS & X-SECTIONS



DESIGN

Recommended For Approval ______
Design Engineer Date ______

Approved
Chief Engineer ______
Date ______

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FH I-1(1)	2	79

File No. 1128

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	FHI-1(1)		3	79

SUMMARY OF QUANTITIES (ESTIMATED)

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEETS NO. 4 & 5

* NOT AN ITEM TOTAL

ITEM 111
CLEARING & GRUBBING

THE AREAS LISTED BELOW ARE SHOWN ON THE PLAN SHEETS BY SHADING AND LETTER IDENTIFICATIONS. THESE ARE THE AREAS DESIGNATED FOR CLEARING AND GRUBBING.

LOCATION		LETTER	ACRES
273+15 - 280+80	L&R	A	1.1
278+00 - 284+65	L	B	.5
280+85 - 284+55	R	C	.4
284+65 - 336+10	L&R	D	7.8
284+70 - 296+00	L	E	1.0
298+00 - 302+85	L	F	.1
320+80 - 328+70	L	G	.2
332+05 - 334+65	L	H	.1
SUB-TOTAL			11.2
ESTIMATED			.8
TOTAL			12

ITEM 131
REMOVING ABANDONED ROAD SURFACE

UNIT LOCATION	SQ. YD.
312+00 - 319+75± L	1,736
ESTIMATED	64
TOTAL	1,800

SURFACING MATERIALS

ITEM NO.	212 SAND	213 GRAVEL	215 OVER-HAUL	221 CRUSHED GRAVEL	231 CLASS A ASPH. SURF. TREAT. INC. SAND COVER	251.11 TYPE I-1 HOT ASPH. CONC. PAVE. (MACHINE METHOD)
ITEM						
UNIT	CU.YD.	CU.YD.	CU.YD.MI.	CU.YD.	GAL.	TON
LOCATION						
ROADWAY	7,066	9,121		5,211	27,651	3,803
SHOULDERS	2,055	1,965		193	11,415	
DRIVE		34				
PARKING AREAS		1,634				
SUB-TOTALS	9,121	12,754		5,404	39,066	3,803
ESTIMATED	879	246		96	934	97
TOTALS	10,000	13,000	202,600	5,500	40,000	3,900

LANDSCAPING AND SLOPE PROTECTION

ITEM NO.	151 EARTH TRENCH EXCAV. R CLASS A	668.24 HALF CIRCLE SLUICE (14 GA.) 24"	764 CURB BOARD INC. ASPH. FILLET	786.1 MULCH	786.9 SEED FOR EROSION CONTROL
ITEM					
UNIT	CU.YD.	LIN.FT.	LIN.FT.	TON	LB.
LOCATION					
SLOPES		102	1,200	65	1,600
BERM DITCHES	242	142			
TOTALS	*242	*244	1,200	65	1,600

(* TO DRAINAGE SUMMARY)

GUARD RAIL

ITEM NO.	753.1 THREE CABLE GUARD RAIL GR-3A	761.1 ANCHO-RAGES	772.2 BOULDERS FOR GUARD RAIL
ITEM			
UNIT	LIN.FT.	EACH	EACH
LOCATION			
273+00 - 283+00 L	1,000	4	
286+00± 288+00 L	200	2	
288+00 - 295+00 L			100
295+00 - 301+10± L	610	4	
295+50 - 297+00 R			30
301+10 - 308+50 L			152
309+00 - 311+50 L	250	2	
316+50 - 321+50 L	500	4	
321+50 - 325+50 L			73
325+00 - 328+75 L	375	2	
SUB-TOTALS	2,935	18	355
ESTIMATED	65	4	45
TOTAL	3,000	22	400

TABULATION BY STATIONS
UNCLASSIFIED CHANNEL EXCAVATION

UNIT LOCATION		CU.YD.
281+00 - 283+50±	L	2,340
283+23	L	86
283+23	R	810

(FOR ITEM TOTAL SEE EARTHWORK SUMMARY)

EARTHWORK SUMMARY

		CU.YDS.
EARTH EXCAVATION IN SECTIONS		70,833
TOPSOIL REMOVED BENEATH FILL SECTIONS (EST.)		152
UNSUITABLE MATERIAL REMOVED FROM BENEATH FILL SECTIONS (EST.)		1,800
DRAINAGE STRUCTURE EXCAVATION (EARTH)		1,560
TOTAL EARTH EXCAVATION		74,345
EARTH EXCAVATION FOR ESTIMATE	ITEM 141	75,000
UNCLASSIFIED CHANNEL EXCAVATION		3,236
UNCLASSIFIED CHANNEL EXCAVATION FOR ESTIMATE	ITEM 163	3,400
SURPLUS TRENCH EXCAVATION (EARTH)		2,123
SURPLUS EXCAV. FROM LEDGE LINED DITCHES (EARTH)		1,100
SURPLUS CHANNEL EXCAVATION (EARTH)		836
SUB-TOTAL		78,404
UNSUITABLE EXCAVATION (EST.)		11,300
EARTH EXCAVATION FOR EARTH FILL		67,104
LEDGE EXCAVATION IN SECTIONS (SOLID)		13,281
DRAINAGE STRUCTURE EXCAVATION (LEDGE)		300
BOULDER EXCAVATION IN SECTIONS		2,482
LEDGE NOT COVERED BY SECTIONS		260
TOTAL LEDGE EXCAVATION		16,323
LEDGE EXCAVATION FOR ESTIMATE	ITEM 143	17,000
SOLID LEDGE EXPANDED 20%		16,297
BOULDER LEDGE		2,742
SURPLUS TRENCH EXCAVATION (LEDGE)		1,717
SURPLUS CHANNEL EXCAVATION (LEDGE)		2,400
SUB-TOTAL		23,156
LEDGE FOR ITEMS 385.4 AND 385.7		2,017
TOTAL LEDGE FOR FILL		21,139
SECTIONS FILL		27,903
TOPSOIL REPLACEMENT (EST.)		152
UNSUITABLE MATERIAL REPLACEMENT		1,800
OFF PAVEMENT PARKING AREA FILL		7,680
TOTAL FILL		37,535
LEDGE FOR FILL		21,139
EARTH FILL BEFORE EXPANSION		16,336
SHRINKAGE FACTOR 20%		
EXPANDED EARTH FILL		20,495
EARTH FOR FILL		67,104
SURPLUS		46,609
WASTE		11,300

CONSTRUCTION SIGNS AND WARNING DEVICES FOR ITEM 824.2

SUGGESTED PROJECT REQUIREMENTS

TYPE		CODE	NO. REQ'D.	REMARKS
SIGNS	PERMANENT SIGNS	W-20-1d	3	
		G-20-1	3	
		G-20-2	3	
		W-20-2d	2	
		W-20-6d	2	
		W-20-7	2	
	OPERATIONAL CONTROLS	W-1-6	12	
		W-1-7	6	
		W-11-1	4	
		M-5-7	2	
		M-5-7A	2	
		R-4-1	2	
		R-4-7	4	
		R-300-S	2	
		G-20-4	1	
BARRICADES		CL.-I (ALT)	3	(8' SECTIONS)
		CL.-II	3	
DELINEATORS		OM-1	12	
		D-100	50	
HAZARD MKR.		18" CLUSTER	6	

SUMMARY OF QUANTITIES
STA. 283+23
9'-9" x 6'-7" STRUCTURAL PLATE PIPE-ARCH

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
*151	EARTH TRENCH EXCAVATION R. CLASS A	469	C.Y.
†163	UNCLASSIFIED CHANNEL EXCAVATION	896	C.Y.
*214	GRAVEL FOR SPECIAL PURPOSES	61	C.Y.
302	REMOVING SUPERSTRUCTURE	1	UNIT
*374	MORTAR RUBBLE MASONRY	71.06	C.Y.
*383.5	RIPRAP F	9	C.Y.
*385.7	LEDGE LINED DITCH	91	C.Y.
393	STRUCTURAL PLATE PIPE-ARCH	1	UNIT

* TO DRAINAGE SUMMARY (SEE STATION 283+23)
† TO EARTHWORK SUMMARY

MISCELLANEOUS ITEMS

ITEM NO.	ITEM	UNIT	TOTAL
189	FINE GRADING	L.F.	6,421
510.1	SINGLE REFLECTOR DELINEATORS	EACH	130
811.1	PROJECT MARKERS	EACH	1
811.4	LETTERING PROJECT MARKERS	EACH	1
812	BOUNDS	EACH	35
821	UNIFORMED OFFICERS	HOUR	2,500
824.2	CONSTRUCTION SIGNS AND WARNING DEVICES	UNIT	1
824.5	MAINTENANCE OF TRAFFIC AND DUST LAYING	UNIT	1
827.1	WATER FOR COMPACTION	UNIT	1
829	FIELD OFFICES	EACH	1
829.1	PHYSICAL TESTING LABORATORY	UNIT	1

ITEM 385.4
PLACING EXCAV. LEDGE FOR SLOPE PROTECTION

UNIT LOCATION		CU.YD.
280+60± - 281+95±	L	130
286+30± - 287+50±	L	209
SUB-TOTAL		339
ESTIMATED		61
TOTAL		400

WORK SUBSIDIARY TO THE SEVERAL ITEMS OF THE CONTRACT

SHEET No.	DESCRIPTION OF WORK
CS-1A	2 CONSTRUCTION IDENTIFICATION SIGNS
7-10	REMOVING EXISTING GUARD RAIL
6	IMPERVIOUS MATERIAL

DATE 11-30-64
DATE
DATE
CHECKED BY
INKED BY
CHECKED BY

PROJ. NO.	SHEET No.	TOTAL
FHI-1(1)	3	79

FILE No. 1128

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHTS.
1	N.H.	FHH(1)		4	79

SUMMARY OF QUANTITIES (ESTIMATED)

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEET'S NO. 3 & 5

* NOT AN ITEM TOTAL

DRAINAGE SUMMARY

ITEM NO.	151	154	214	374		383.5	385.7	403.18	403.24	403.30	403.36	413.48	413.54	631.06	668.24	REMARKS
ITEM	Earth Trench Excav. R Class A	Ledge Trench Excav. R	Gravel For Special Purposes	Mortar Rubble Masonry	Header Standard Number	Rip Rap E	Ledge Lined Ditch	Reinforced Concrete Pipe Including Specified Excavation 6' Minimum Lengths 2000D 18"	2000D 24"	2000D 30"	2000D 36"	2000D 48"	2000D 54"	Pipe Underdrain 6"	Half Circle Sluice (14 Ga.) 24"	
UNIT	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.		Cu. Yd.	Cu. Yd.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	
LOCATION																
272+00 - 273+45± R							78									
272+00 - 273+48± R																
273+50	41	2		5.50	P.C.-8	1	6		76					154		Roadway Ditch
273+55 - 276+40± R							154									Outlet Thru Wing Of P.C.-8 Hdr.
273+56 - 276+50± R																Remove 18" R.C.P.; Wreck Hdr. Rt., Const. Earth Berm Rt.
276+45±	52			5.10	P.C.-8		13				44			298		Roadway Ditch
276+58 - 280+46± R		26														Outlet Thru Wing Of Hdr @ 276+52± Rt.
276+59 - 278+75± R							117									
280+50	90			15.28	P.C.-8	5	55					72		398		Retain 36" R.C.P.; Extend Pipe Rt.
280+56 - 283+16± R		48														Outlet Thru Wing Of Hdr. @ 280+50 Rt.
281+00±	27	9												274		Roadway Ditch
281+25± - 283+06± R							59									Const. Reinforced Earth Berm Rt.
283+23	469		61	71.06		9	91									Outlet Thru Wing Of Hdr. @ 283+23 Rt.
283+36 - 285+49± R																Wreck Top of Hdr.'s & Concrete Box
																Roadway Ditch
285+50	31			1.98	U.L.-3		4	96						224		Outlet Thru U.L. 3 @ 285+50± Rt.
286+75± L	90	8														Const. Ledge Lined Inlet Ditch
287+63				0.07												
288+00	30			2.08	P.C.-4L		5	92								Remove 36'± x 72" BCCMP, Wreck Hdr.'s
288+05 - 289+44± R							75									Abandon Exist. 18" R.C.P., Plug Inlet
																Const. Ledge Lined Inlet Ditch
288+06 - 289+49± R																Roadway Ditch
289+50	18			1.98	U.L.-3		5	108						152		
289+56 - 291+43 R							101									Outlet Thru U.L.-3 @ 289+50 Rt.
289+56 - 291+53± R		34														Const. Ledge Lined Inlet Ditch
291+55±	29	5		3.05	P.C.-8		11		106					204		Roadway Ditch
																Outlet Thru Header At 291+55± Rt.
291+57± - 295+43± R							208									Remove 24" R.C.P.; Wreck Hdr.'s
291+60 - 295+48± R		34														
295+50	43			9.13	P.C.-8		11				84			388		Roadway Ditch
297+40± 298+46± R							49									Outlet Thru Wing of Hdr. @ 295+50 Rt.
297+70 - 298+48± R																Const. Ledge Lined Inlet Ditch
298+50	14	3		1.98	U.L.-3		4	92						84		Roadway Ditch
298+54± 300+90± R							127									Outlet Thru U.L.-3 Hdr. @ 298+50 Rt.
298+56 - 300+97± R																Remove 15" R.C.P.; Wreck Hdr.'s
301+00	145			18.20	P.C.-8	1	59						66	242		Roadway Ditch
																Outlet Thru Hdr. @ 301+00 Rt.
301+06 - 302+98± R																Const. Rein. Earth Berm Rt., In. & Out. Ledge Lined Ditches
301+33± L				0.12												
303+00	18			1.98	U.L.-3		6	100						198		Outlet Thru U.L.-3 @ 303+00 Rt.
303+06 - 305+98± R	10	148														Abandon Exist. 24" R.C.P., Plug Inlet
303+50	7	2												294		Const. Ledge Lined Inlet Ditch
306+00	6	83		1.98	U.L.-3			96								Outlet Thru U.L.-3 @ 306+00 Rt.
																Wreck Exist. Pipes & Hdr.
																Const. Inlet Ditch
306+06 - 308+48± R		165														
308+50	23	78		1.98	U.L.-3		24	88						250		Outlet Thru U.L.-3 @ 308+50 Rt.
308+56 - 310+94± R	1	16												254		Inlet & Ledge Lined Outlet Ditch & Down Slope
310+92±	78			5.10	P.C.-8		13				36					Outlet Thru Wing of P.C.-8 Hdr.
311+00 - 313+48± R	4	148														Retain Exist. 36" R.C.P., Extend Pipe Rt.
311+08± 313+45± R							14							254		
313+50	113	81		1.98	U.L.-3		49	88								Outlet Thru U.L.-3 @ 313+50 Rt.
313+55± 316+95± R							20									Roadway Ditch
313+56 - 316+98± R		224														Const. Inlet & Ledge Lined Outlet Ditch
														348		Roadway Ditch
317+00	26	118		1.98	U.L.-3			85								Outlet Thru U.L.-3 @ 317+00 Rt.
317+05± 318+95± R							11									
317+06 - 318+97± R		128														Const. Inlet & Outlet Ditches
319+00	56	92		3.05	P.C.-8				85					196		Roadway Ditch
																Outlet Thru Wing of Hdr. @ 319+00 Rt.
319+06 - 322+48± R	6	150														Const. Inlet Ditch
320+25± 322+44± R							13							346		
322+50	19			1.98	U.L.-3		5	90								Outlet Thru U.L.-3 @ 322+50 Rt.
322+56± 325+46± R							157									Roadway Ditch
322+56 - 325+47± R																Const. Ledge Lined Inlet Ditch
																Roadway Ditch
325+50	3			3.05	P.C.-8		8		76					298		Outlet Thru Wing of Hdr. @ 325+50 Rt.
325+54± 327+24± R							92									
325+56 - 327+26± R																Const. Ledge Lined Inlet Ditch
																Roadway Ditch
327+29±	10			1.98	U.L.-3		5	72						174		Outlet Thru U.L.-3 @ 327+29± Rt.
327+34 - 329+98± R	2	6														
														272		Remove 12" R.C.P. & Grate; Wreck Hdr. & C.B.
																Outlet Thru U.L.-3 @ 330+00 Rt.

SEE SHEET #5 FOR ITEM TOTALS

ANDERSON
THERRIEN
INKED BY
CHECKED BY
DATE
DATE

PROJ. No.	SHEET No.	TOTAL
FHH-1(1)	4	79

FILE No. 1128

SUMMARY OF QUANTITIES (ESTIMATED)

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEET'S NO. 3 & 4

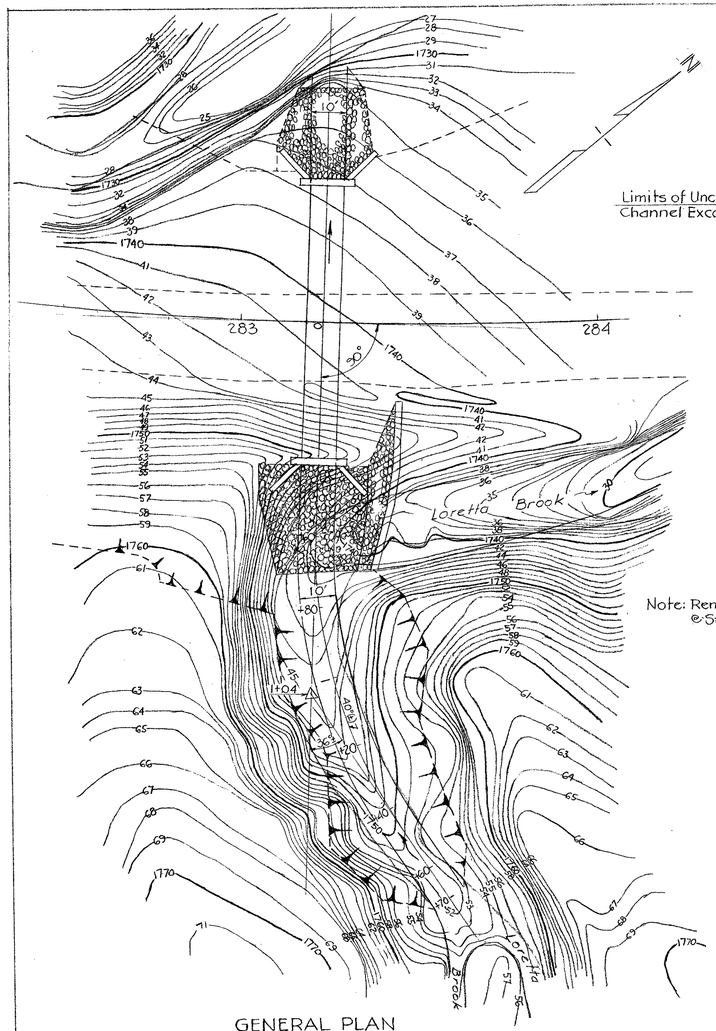
* NOT AN ITEM TOTAL

DRAINAGE SUMMARY

ITEM NO.	151	154	214	374		383.5	385.7	403.18	403.24	403.30	403.36	413.48	413.54	631.06	668.24	REMARKS
ITEM	EARTH TRENCH EXCAV. R CLASS A	LEDGE TRENCH EXCAV. R	GRAVEL FOR SPECIAL PURPOSES	MORTAR RUBBLE MASONRY	HEADER STANDARD NUMBER	RIP RAP E	LEDGE LINED DITCH	REINFORCED CONCRETE PIPE INCLUDING SPECIFIED EXCAVATION 6' MINIMUM LENGTHS 2000D 18"	2000D 24"	2000D 30"	2000D 36"	48"	54"	PIPE UNDER-DRAIN 6"	HALF CIRCLE SLUICE (14 GA) 24"	
UNIT	CU. YD.	CU. YD.	CU. YD.	CU. YD.		CU. YD.	CU. YD.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	
LOCATION																
330+00±	108'	17'		1.98'	U.L.-3		6'	80'								CONST. INLET & LEDGE LINED OUTLET DITCH
330+06±-332+47±R														244'		OUTLET THRU WING OF HDR. @ 332+50 RT.
332+50±	116'			6.10'	P.C.-8		13'		76'							CONST. INLET & OUT. LEDGE LINED DITCHES
332+56±-335+92±R	9	100'												340'		OUTLET THRU WING OF HDR. @ 335+95
333+17	7'	6'														REMOVE 24" R.C.P. & GRATE; WRECK HDR. & D.T.
335+95	16'	5'		8.04'	P.C.-8		10'			64'						CONST. INLET & OUT. LEDGE LINED DITCHES
SLOPE PROTECTION	242														244'	
SUB-TOTALS	1959	1736	61	176.71		16	1678	1,087	419	64	164	72	66	5,886	244	
ESTIMATED	41	64	139	3.29		4	122	53	21	8	16	8	6	114	16	
TOTALS	2,000	1,800	200	180		20	1,800	1,140	440	72	180	80	72	6,000	260	

INKED BY
CHECKED BY
DATE
DATE

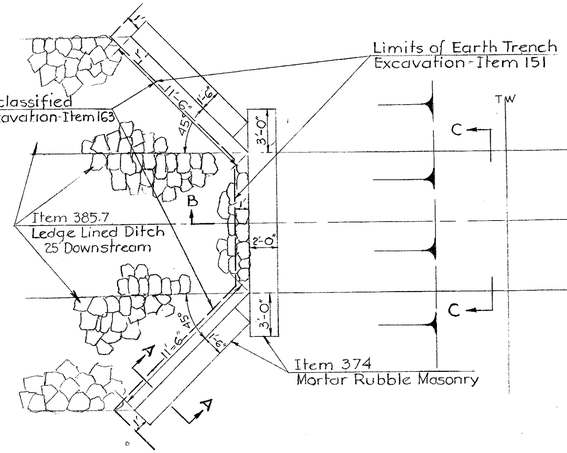
FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	FH I-1(1)		6	79

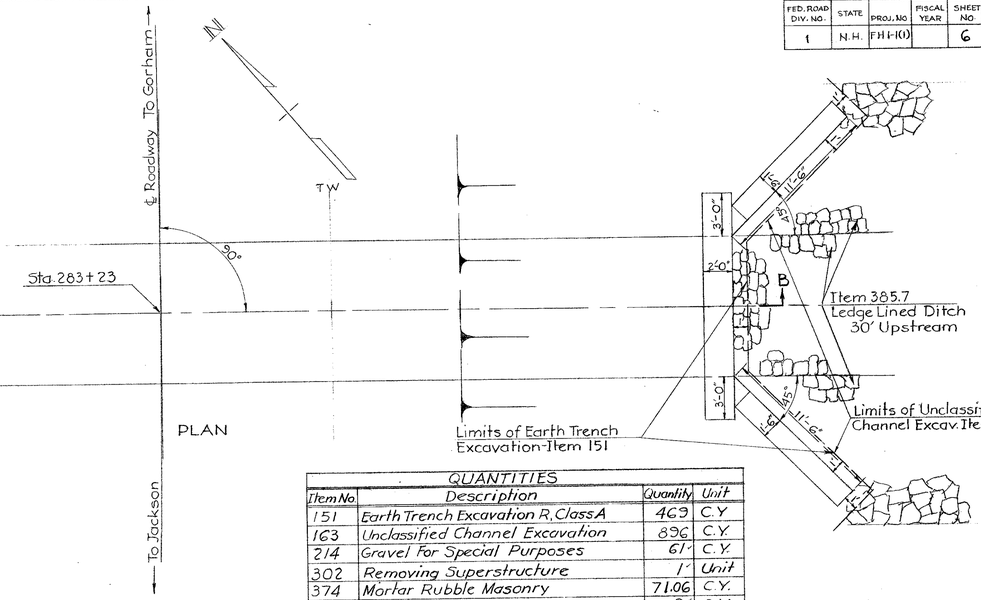


GENERAL PLAN
SCALE: 1" = 20'-0"

B.M. #279 Sta. 279+90 Rt. 25' Vert. Spike in Root of 50" Spruce El. 1,753.39

GENERAL NOTES
Design Loading: H-20
Specifications: A.A.S.H.O. 1961,
N.H. Dept. Pub. Wks & Hways 1960

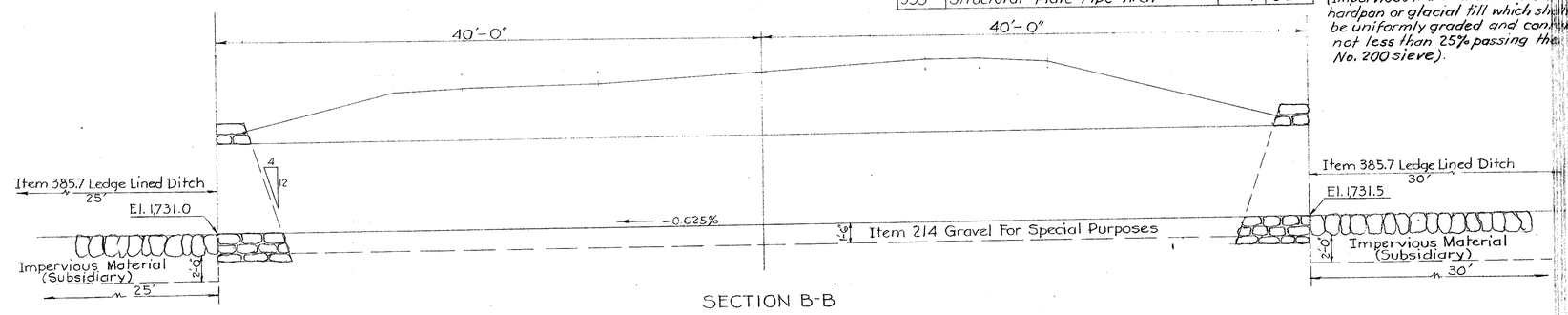




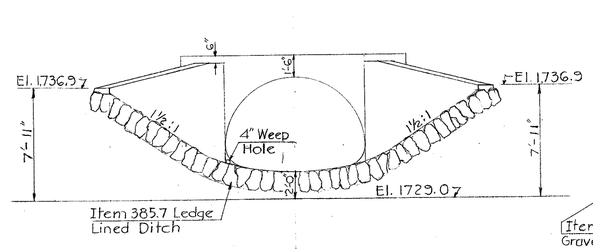
PLAN

QUANTITIES			
Item No.	Description	Quantity	Unit
151	Earth Trench Excavation R, Class A	469	C.Y.
163	Unclassified Channel Excavation	896	C.Y.
214	Gravel For Special Purposes	61	C.Y.
302	Removing Superstructure	1	Unit
374	Mortar Rubble Masonry	71.06	C.Y.
383.5	Riprap E	9	C.Y.
385.7	Ledge Lined Ditch	91	C.Y.
393	Structural Plate Pipe-Arch	1	Unit

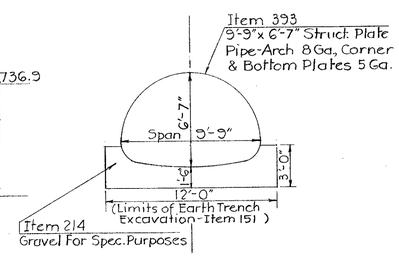
Subsidiary Items:
Impervious Material.
(Impervious Material shall consist of hardpan or glacial till which shall be uniformly graded and contain not less than 25% passing the No. 200 sieve).



SECTION B-B



OUTLET ELEVATION



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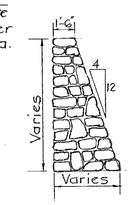
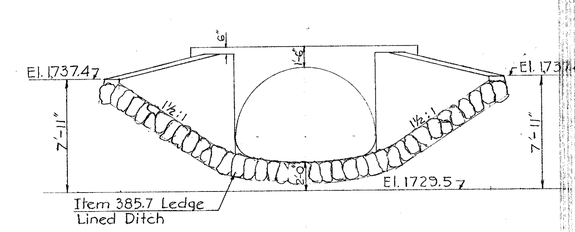


SECTION A-A



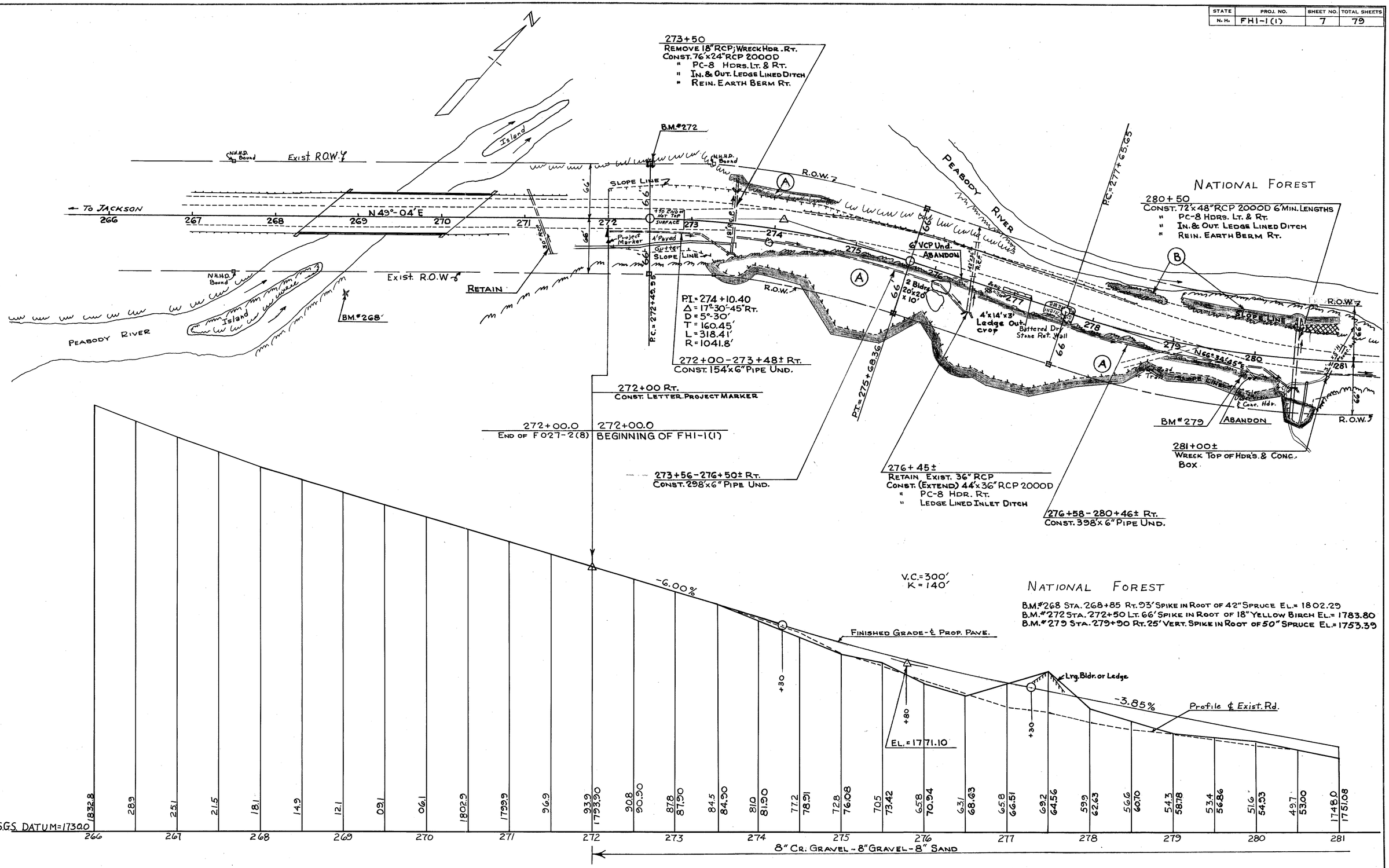
INLET ELEVATION

9'-9" x 6'-7" STRUCTURAL PLATE PIPE-ARCH
STA. 283+23
SCALE: 1" = 5' EXCEPT AS NOTED

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FH I-1(1)	6	79

FILE No. 1128

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N. H.	FHI-1(1)	7	79



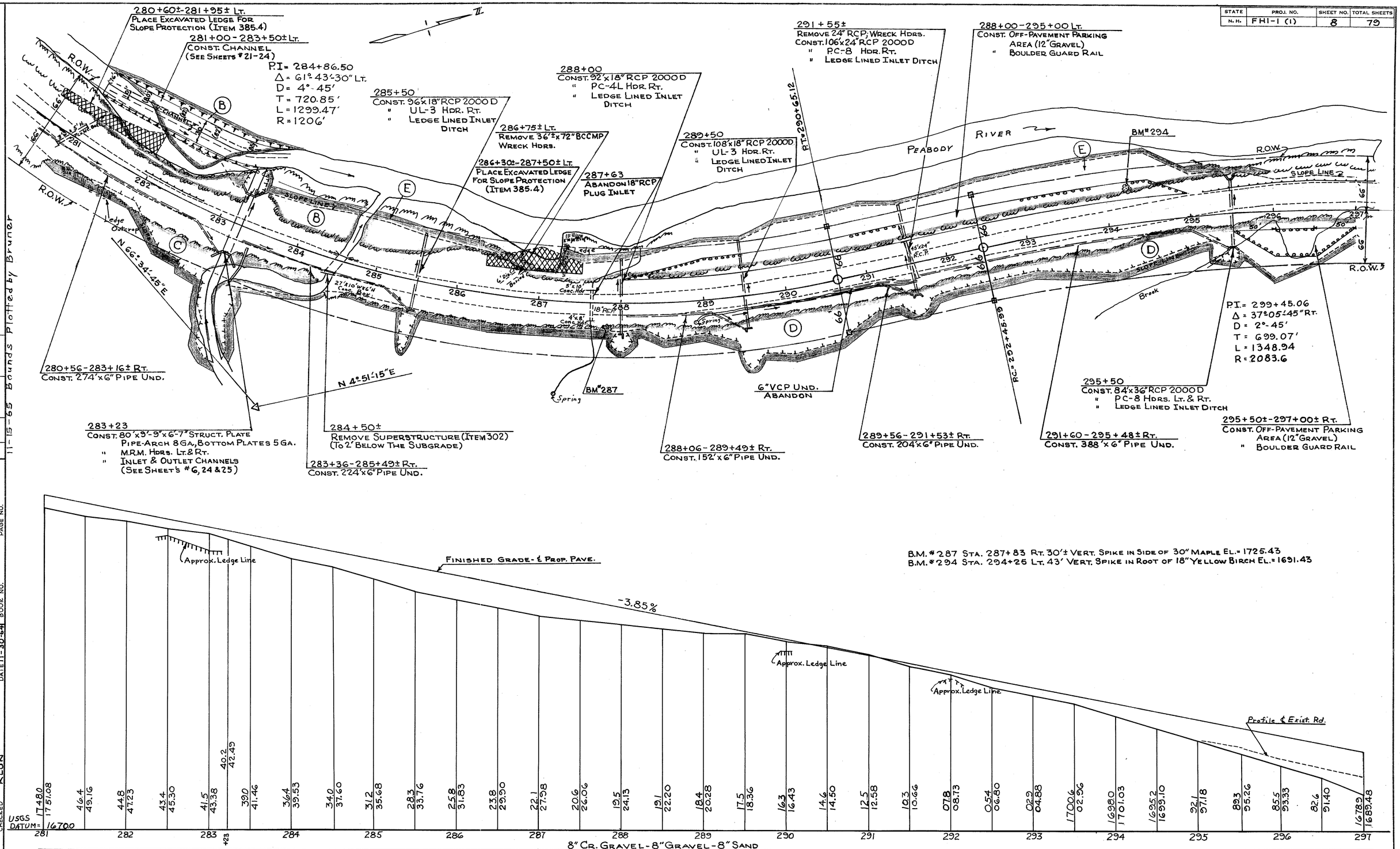
REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)				
NO.	DATE	STATION	STATION	DESCRIPTION
	11-15-65	Bounds Plotted by Bruner		

		NOTEBOOKS		DATE
PLAN TRACED	TREMBLAY	BOOK NO. 7477	PAGE NO.	4-17-64
PLAN CHECKED	ANDERSON			7-9-64
PROFILE TRACED	TREMBLAY	BOOK NO. 7477	PAGE NO.	6-30-64
PROFILE CHECKED	ANDERSON	" " 6150, 7068	" "	7-10-64
INKED	ANDERSON	" " 6469	" "	11-24-64
CHECKED	KLUN	BOOK NO. 5870	PAGE NO.	DATE 11-30-64

1500 — 8/63

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FHI-1(1)	7	79

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	FHI-1 (1)	8	79



NO.	DATE	STATION	STATION	DESCRIPTION

(USE BOTTOM LINES FIRST)

REVISIONS AFTER PROPOSAL

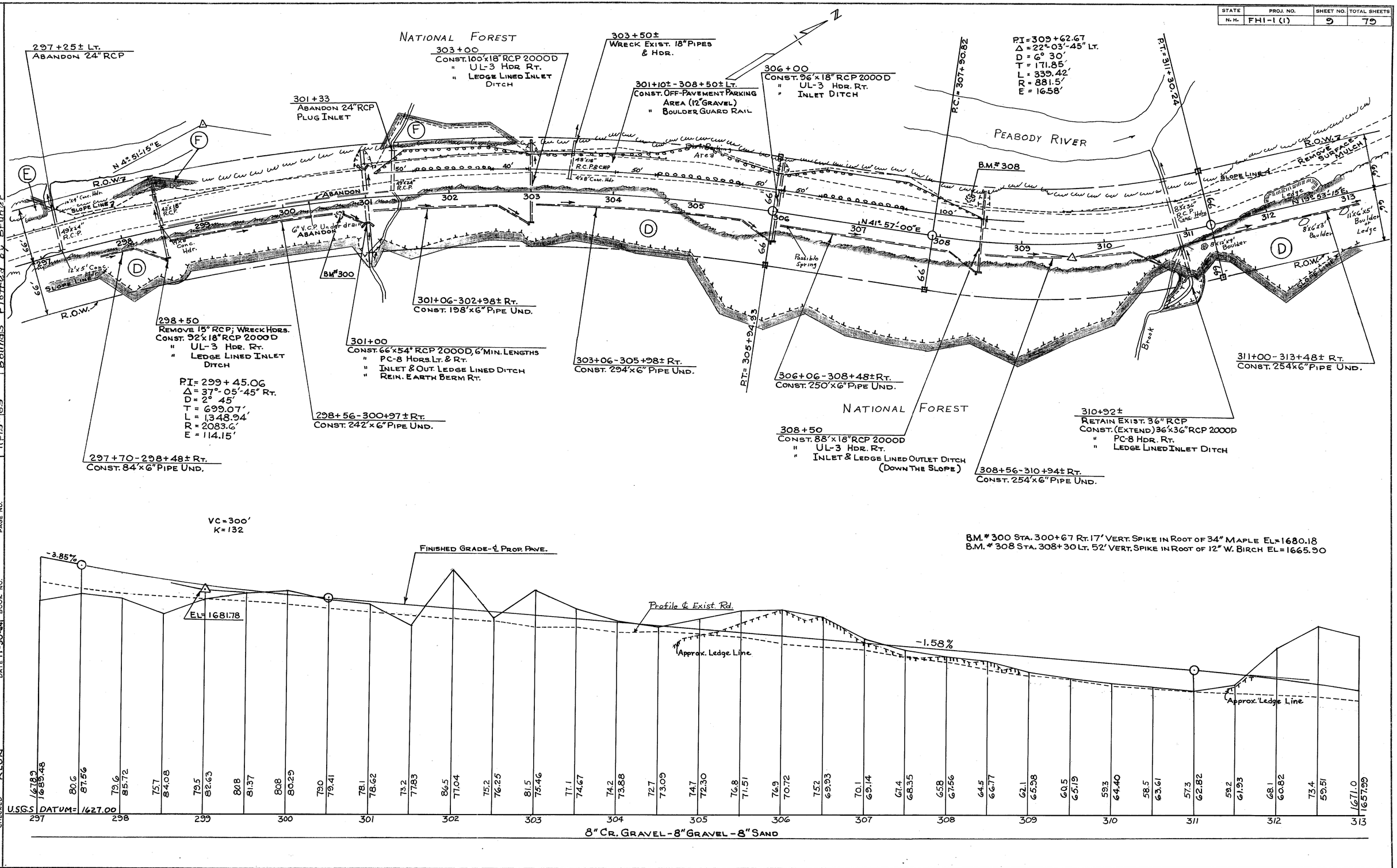
11-15-65 Bounds Plotted by Bruner

PLAN TRACED	TREMBLAY	DATE 6-17-64	NOTEBOOKS
PLAN CHECKED	ANDERSON	" 7-9-64	
PROFILE TRACED	TREMBLAY	" 7-1-64	BOOK NO. / PAGE NO.
PROFILE CHECKED	ANDERSON	" 7-10-64	" " / " "
INKED	ANDERSON	" 11-25-64	" " / " "
CHECKED	KLUIN	DATE 11-30-64	BOOK NO. / PAGE NO.

1500 — 6/63

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FHI-1(1)	8	79

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	FH1-1(1)	9	79



PROJ. NO.	SHEET NO.	TOTAL SHEETS
FH1-1(1)	9	79

(USE BOTTOM LINES FIRST)

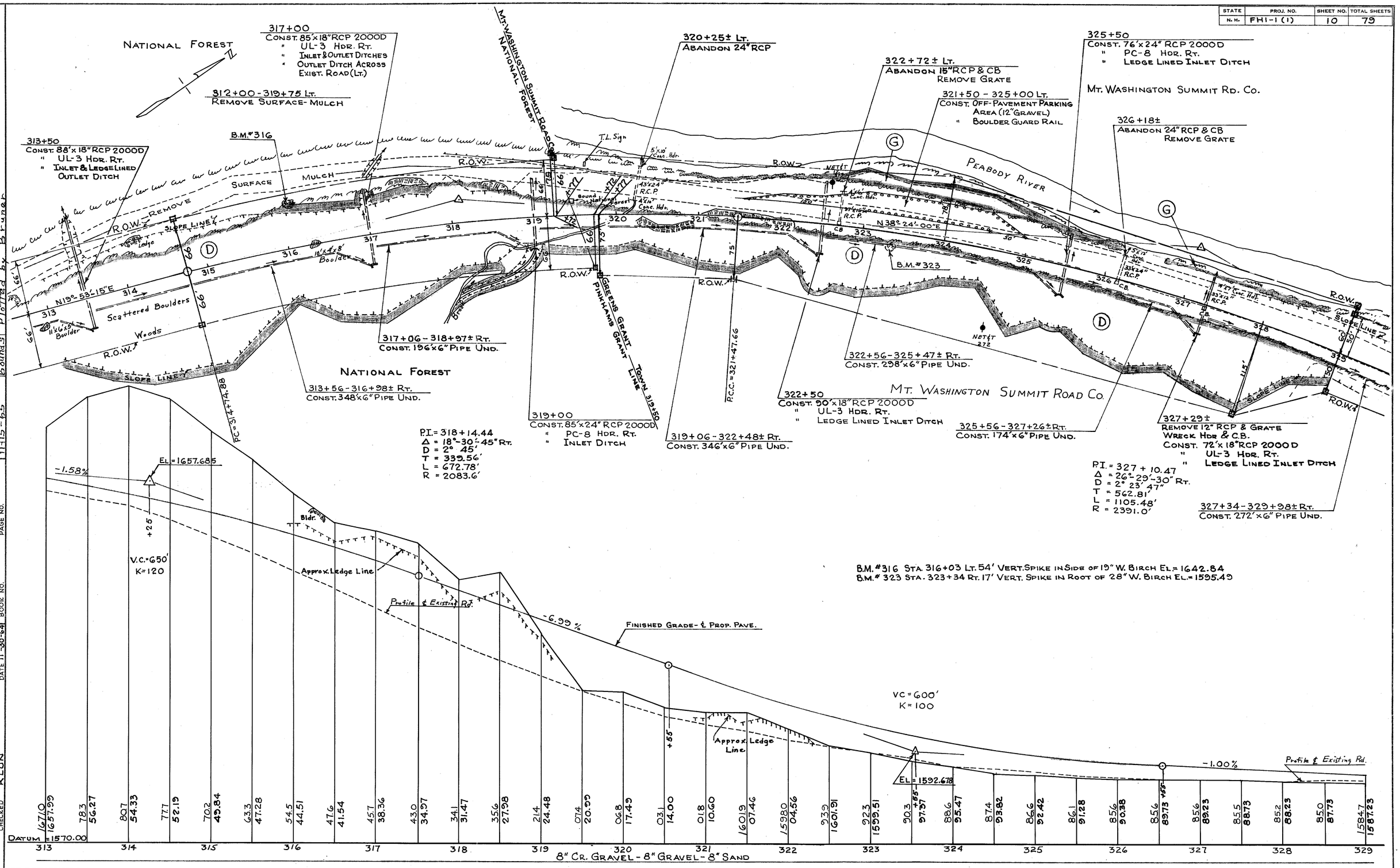
REVISIONS AFTER PROPOSAL

NO.	DATE	STATION	DESCRIPTION
	11-15-65	Boundaries Plotted by Bruner	

NOTEBOOKS			
	DATE 6-18-64		
PLAN TRACED	TREMBLAY		
PLAN CHECKED	ANDERSON	.. 7-9-64	BOOK NO.
PROFILE TRACED	TREMBLAY	.. 7-17-64	PAGE NO.
PROFILE CHECKED	ANDERSON	.. 11-23-64	BOOK NO.
INKED	ANDERSON	.. 11-25-64	PAGE NO.
CHECKED	KLUN	DATE 11-30-64	

1500 — 8/63

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N. H.	FHI-1 (1)	10	79



(USE BOTTOM LINES FIRST)

NO.	DATE	STATION	STATION	DESCRIPTION
	11-15-65	Bound-5		Plotted by Bruner

REVISIONS AFTER PROPOSAL

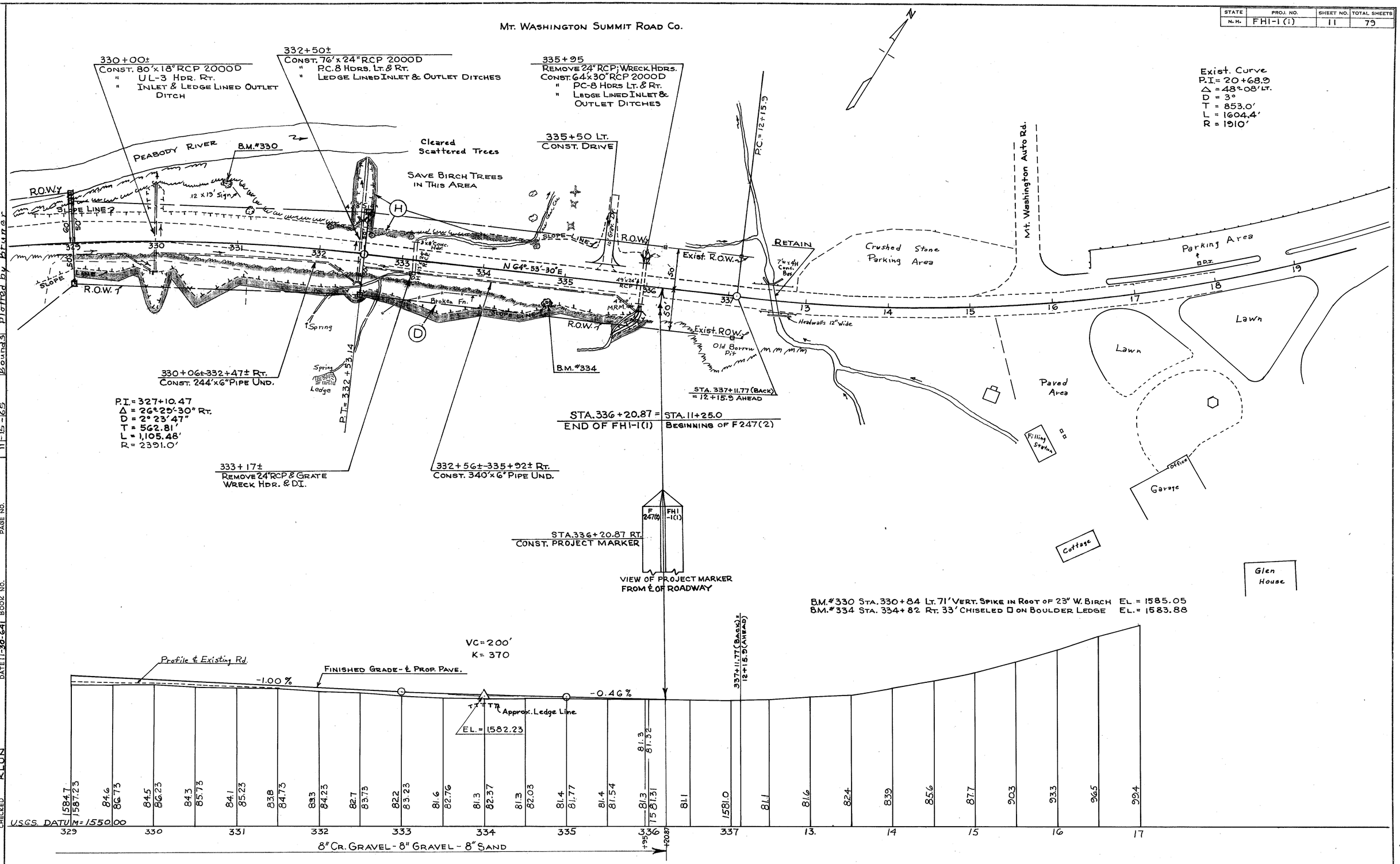
NOTEBOOKS			
	BOOK NO.	PAGE NO.	DATE
PLAN TRACED	TREMBLAY		6-18-64
PLAN CHECKED	ANDERSON		7-9-64
PROFILE TRACED	TREMBLAY		7-2-64
PROFILE CHECKED	ANDERSON		7-9-64
INKED	ANDERSON		11-27-64
CHECKED	KLUN		11-30-64

1500 — 6/63

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FHI-1 (1)	10	79

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	FHI-1 (1)	11	79

Mt. Washington Summit Road Co.



Station	Elevation
329	1584.7 / 1587.23
330	84.6 / 86.73
331	84.5 / 86.23
332	84.3 / 85.73
333	84.1 / 85.23
334	83.8 / 84.73
335	83.3 / 84.23
336	82.7 / 83.73
337	82.2 / 83.23
13	81.6 / 82.76
14	81.3 / 82.37
15	81.3 / 82.03
16	81.4 / 81.77
17	81.4 / 81.54
+95	81.3 / 81.32
+20.87	81.3 / 81.31
337+11.77 (Back) = 12+15.9 (Ahead)	81.1
	1581.0
	81.1
	81.6
	82.4
	83.9
	85.6
	87.7
	90.3
	93.3
	96.5
	99.4

NO.	DATE	STATION	STATION	DESCRIPTION
	11-15-65		Bounds	Plotted by Bruner

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

NOTEBOOKS	BOOK NO.	PAGE NO.	DATE
	" "	" "	6-17-64
	" "	" "	7-9-64
	" "	" "	7-2-64
	" "	" "	7-9-64
	" "	" "	11-27-64
	BOOK NO.	PAGE NO.	DATE 11-30-64

PLAN TRACED	TREMBLAY
PLAN CHECKED	ANDERSON
PROFILE TRACED	TREMBLAY
PROFILE CHECKED	ANDERSON
INKED	ANDERSON
CHECKED	KLUN

1500 — 8/63

PROJ. NO.	SHEET NO.	TOTAL SHEETS
FHI-1 (1)	11	79