FED. ROAD DIV. NO.	STATE	AFH PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	8-1(3)		1	87

[redacted]

INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
2 TYPICAL SECTION OF IMPROVEMENT
3 & 4 SUMMARY
5 STRUCTURAL PLATE ARCH
6-14 PLANS
15-87 SECTIONS

STANDARD SHEET	Nº 1		JUNE 16, 1961
" "	" 2	REVISED	JUNE 16, 1961
" "	" 3	"	AUG. 6, 1962
" "	" 5	"	SEPT. 1, 1962
" "	" 6	"	DEC. 27, 1960
" "	" CS-1A	"	NOV. 19, 1962

N

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

PLANS OF PROPOSED
FOREST HIGHWAY PROJECT

A F H 8-1(3)

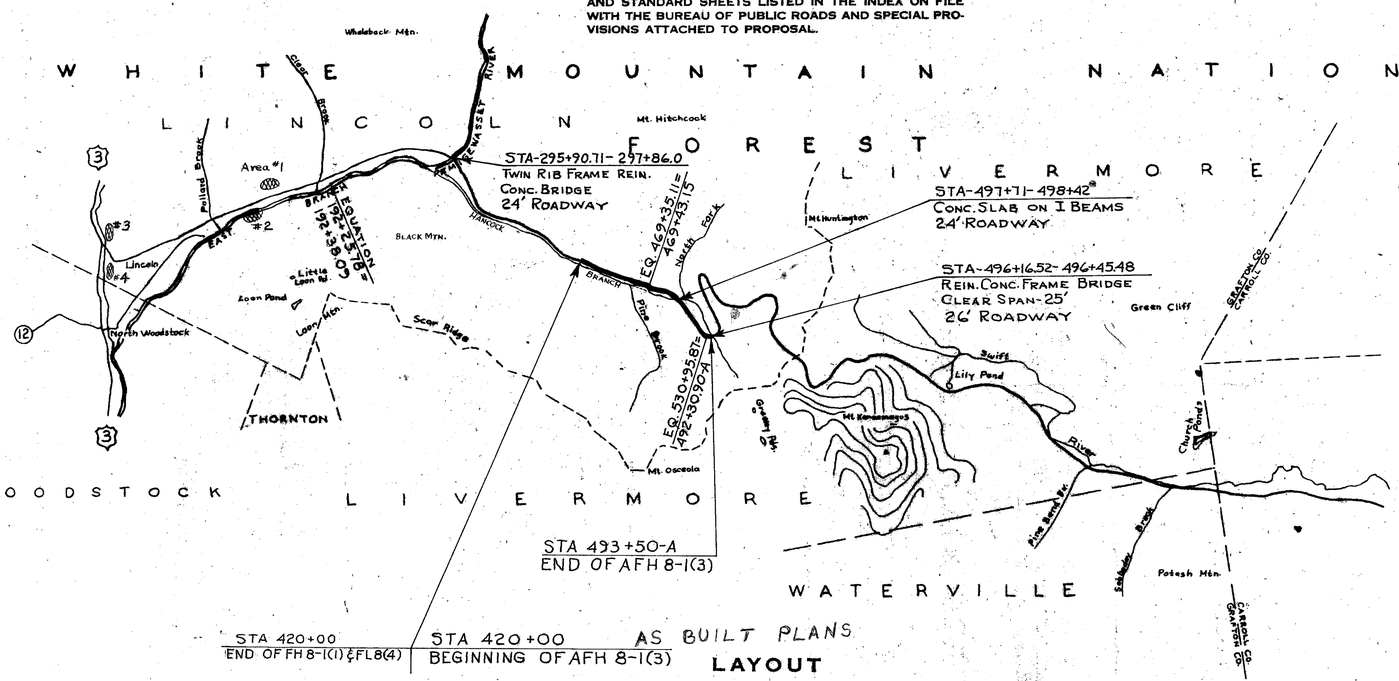
N. H. PROJECT NO. S-4425-C

KANCAMAGUS HIGHWAY

SCALES (PLAN 1" = 50'-0"
PROFILE VERT. 1" = 10'-0" HOR. 1" = 50'-0"
CROSS SECTION VERT. 1" = 5'-0" HOR. 1" = 5'-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	19	
AVERAGE DAILY TRAFFIC	19	
TRAFFIC CLASSIFICATION	M	
DESIGN SPEED	40	M.P.H.
MAXIMUM CURVATURE	7	DEGREES
MAXIMUM GRADIENT	5.62	%
NON-PASSING SIGHT DISTANCE		FEET
LENGTH OF PROJECT	2.123	MILES



GRAVEL DEPOSIT

CONVENTIONAL SIGNS

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

TOWN OF LINCOLN
COUNTY OF GRAFTON

RECOMMENDED FOR APPROVAL: DATE May 1, 1963
R. H. Whitaker
DEPUTY COMMISSIONER AND CHIEF ENGINEER
APPROVED:
John O. Morton
COMMISSIONER

SECONDARY ROADS ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:

DISTRICT ENGINEER DATE

FILE No. 1129

PROJ. NO.	SHEET NO.	TO
AFH 8-1(3)	1	

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHB -1(3)		2	87

TYPICAL SECTION OF IMPROVEMENT

TYPE I-1 HOT ASPHALTIC CONCRETE PAVEMENT WITH PLANT MIX SURFACE TREATMENT

FOR LOCATION OF ALL DETAILS SEE SHEETS 3 & 4.

SCALE - 3/8"= 1'-0"

GENERAL NOTES

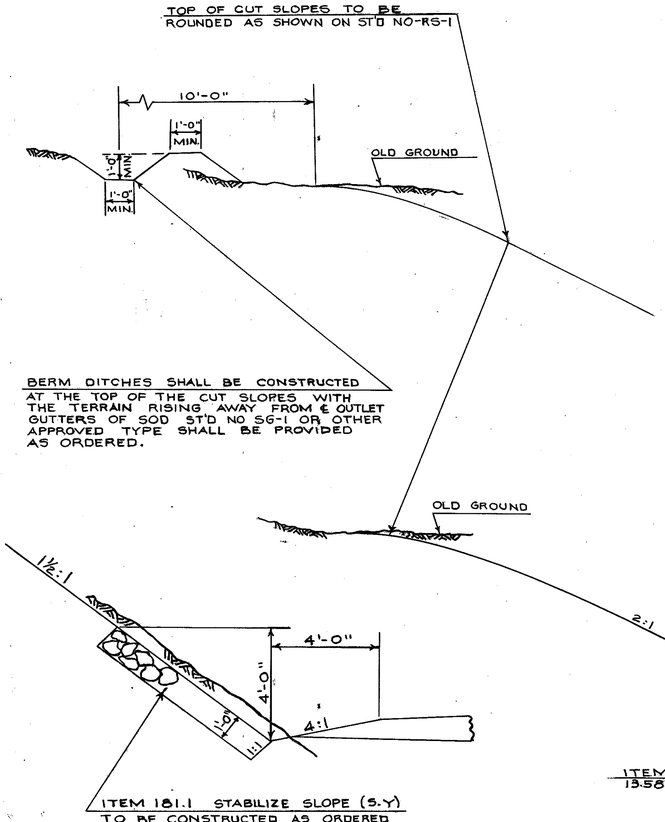
ADJUSTMENT OF UTILITY COVERS, SHUTOFFS, OR SIMILAR STRUCTURES TO THE NEW PAVEMENT GRADE AND THE MOVING OF UTILITY POLES WILL BE DONE BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE, NOT A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE IN EVERY WAY TO EXPEDITE SUCH AJUSTMENTS

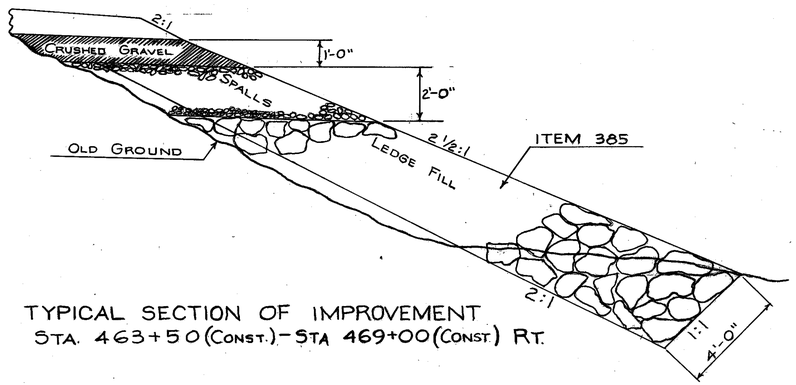
ITEM 231 - CLASS A ASPHALT SURFACE TREATMENT INCLUDING SAND COVER 24 FEET WIDE AS A PRIME COAT ON THE FOUNDATION COURSE, 125 GALLONS PER SQ. YD. (333.34 GALLONS PER 100 LIN. FT.) OR AS ORDERED TO BE APPLIED IN 3 APPLICATIONS OF 0.50, 0.25 AND 0.50 GALLONS PER SQ. YD. RESPECTIVELY, THE THIRD APPLICATION TO BE APPLIED AS ORDERED BY THE CONSTRUCTION ENGINEER.

ALL SLOPES EITHER IN EXCAVATION OR FILL AREAS SHALL BE MULCHED UNDER THE ITEM OF MULCH.

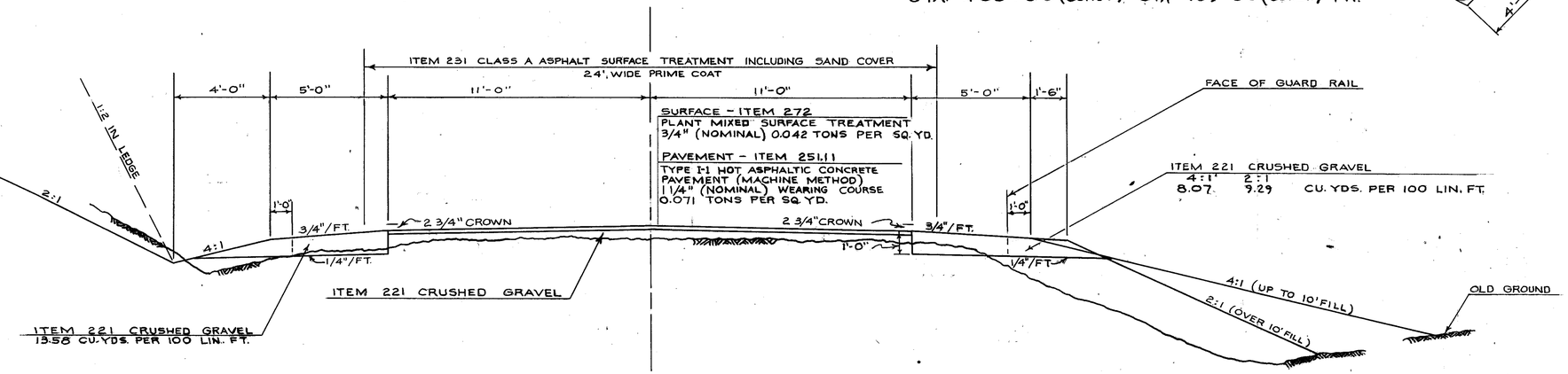
THE UPPER 3 INCHES OF THE CRUSHED GRAVEL COURSE SHALL BE CLASS B.

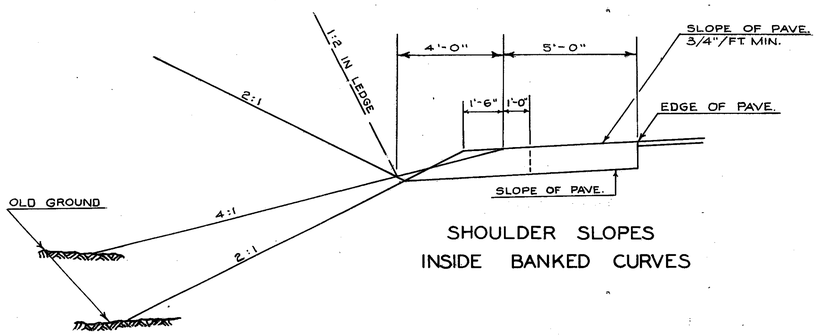
NEW CROSS SECTIONS ARE TO BE TAKEN BY THE DEPARTMENT PRIOR TO CONSTRUCTION FROM STATION 464+00 (CONSTRUCTION) TO STATION 468+50 (CONSTRUCTION), STATION 492+50 A - STATION 493+50 A CONSTRUCTION CENTERLINE BETWEEN STATIONS 412+76 (SURVEY) AND 449+26.91 (449+28.44 SURVEY) SHOWN ON PLAN SHEETS.



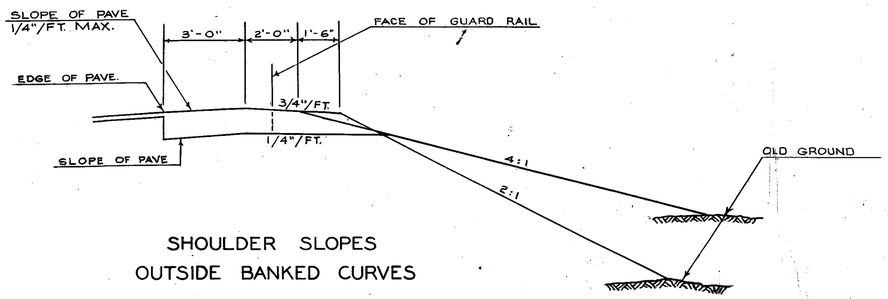


TYPICAL SECTION OF IMPROVEMENT
STA. 463+50 (CONST.) - STA 469+00 (CONST) RT.





SHOULDER SLOPES
INSIDE BANKED CURVES



SHOULDER SLOPES
OUTSIDE BANKED CURVES

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	2	87

1129 AS BUILT

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
"	"
"	"
"	"
"	"
"	"
"	"
"	"
"	"
BOOK NO.	PAGE NO.

REVISIONS AFTER PROPOSAL

DATE	STA.	TO STA.	DESCRIPTION

PLAN TRACED BY PERIN	DATE 4-9-63
" CHECKED " DREW	" 4-16-63
PROFILE TRACED BY	
" CHECKED "	
INKED BY	
CHECKED BY	

1500-4-55 M. B. P. CO. Microwave Tracing Cloth 11891

SUMMARY OF QUANTITIES (ESTIMATED)

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEET NO. 4

* NOT AN ITEM TOTAL

ITEM III

CLEARING & GRUBBING
DESIGNATED AREAS

THE AREAS LISTED BELOW ARE SHOWN ON THE PLAN SHEETS BY SHADING AND LETTER IDENTIFICATION. THESE ARE THE AREAS DESIGNATED FOR CLEARING AND GRUBBING. (SURVEY LINE STATIONS)

DESIGNATION	LOCATION	ACRES
A	420 + 83 — 421 + 60 LT	0.02
B	421 + 15 — 421 + 51 RT	0.01
C	421 + 65 — 444 + 97 RT	1.04
D	421 + 76 — 431 + 63 LT	0.32
E	431 + 88 — 452 + 43 LT	1.03
F	454 + 00 — 470 + 56 RT	0.87
G	452 + 58 — 464 + 48 LT	0.54
H	463 + 70 — 468 + 95 RT	0.29
I	468 + 15 — 473 + 00 LT	0.17
‡ J	470 + 82 — 497 + 25 RT	1.13
K	474 + 42 — 496 + 45 LT	0.69
L	497 + 22 — 497 + 89 LT	0.01
M	498 + 31 — 500 + 28 RT	0.28
N	498 + 80 — 502 + 03 LT	0.11
O	500 + 83 — 503 + 18 RT	0.04
P	503 + 54 — 505 + 15 RT	0.04
Q	502 + 42 — 492 + 53A LT	1.38
R	506 + 18 — 512 + 90 RT	0.08
S	513 + 57 — 518 + 04 RT	0.17
T	520 + 55 — 521 + 93 RT	0.03
U	522 + 18 — 529 + 98 RT	0.20
V	492 + 66A — 494 + 30A LT	0.05
W	492 + 93A — 495 + 71A RT	0.05
SUB TOTAL		8.55 8.25
ESTIMATED		0.45 0.75
TOTAL		9.00 9.00

‡ STATIONS AS SHOWN EXCEPT FOR BREAKS NOTED ON PLAN SHEETS.

STATIONS ARE SHOWN INCORRECTLY SEE PLAN SHEETS

ITEM 385.9 LEDGE FILL

LOCATION	UNIT CU. YDS
STA 463+50 SURV. - 468+50 CONST. RT	1,090
SUB TOTAL	1,090
ESTIMATED	110
TOTAL	1,200

REFLECTORIZED DELINEATORS
NOT A PART OF THIS CONTRACT

UNIT	EACH
TOTAL	150

EARTHWORK SUMMARY

UNIT	CU. YDS.
EARTH EXCAVATION IN SECTIONS	3255 ~~2,942~~
DRIVE AND APPROACH EXCAVATION (EARTH)	639 ~~669~~
DRAINAGE STRUCTURE EXCAVATION (EARTH)	80 ~~97~~
TOTAL EARTH EXCAVATION	3974 ~~3,708~~
EARTH EXCAVATION FOR ESTIMATE (ITEM 141)	4200 ~~3,800~~
UNCLASSIFIED CHANNEL EXCAVATION	2929 ~~2,929~~
UNCLASSIFIED CHANNEL EXCAVATION FOR ESTIMATE (ITEM 163)	3200 ~~3,200~~
SURPLUS TRENCH EXCAVATION (EARTH)	211 ~~432~~
SUB-TOTAL	4185 ~~4,140~~
EARTH EXCAVATION FOR FILL	4185 ~~4,140~~
SURPLUS TRENCH EXCAVATION (LEDGE)	— ~~45~~
SURPLUS CHANNEL EXCAVATION (LEDGE)	1839 ~~698~~
LEDGE FOR FILL	1839 ~~743~~
SECTIONS FILL	14,711 + ~~3,839~~
DRIVE AND APPROACH FILL	602 ~~602~~
TOTAL FILL	15,313 + ~~4441~~
LEDGE FOR FILL	1839 ~~743~~
EARTH FILL BEFORE EXPANSION	13,474 + ~~3,698~~
SHRINKAGE FACTOR (20%)	
EXPANDED EARTH FILL	16,842 + ~~7,122~~
EARTH FOR FILL	4185 ~~4,140~~
TOTAL EARTH BORROW	12,657 + ~~2,982~~
EARTH BORROW FOR ESTIMATE (ITEM 185.1)	15,000 + ~~5,000~~

WORK SUBSIDIARY TO THE SEVERAL ITEMS OF THE CONTRACT

PIPE CLEANING - BOTH OLD AND NEW

SHEET NO. CS-1A - CONSTRUCTION IDENTIFICATION SIGNS

SURFACING MATERIALS

ITEM NO	215	221	231	251.11		272
ITEM	OVER-HAUL	CRUSHED GRAVEL	CL. A ASPHALT SURFACE TREAT. INCL. SAND COVER	TYPE I-1 HOT ASPHALTIC CONCRETE PAVE. (MACHINE METHOD)		PLANT MIXED SURFACE TREAT.
UNIT	CU. YD. MI.	CU. YDS.	GALLONS	TONS		TONS
LOCATION						
ROADWAY		9427	37358	1945		1151
SHOULDERS		1934				
DRIVES, APPROACHES & PARKING AREAS		318	2185	163		28
SUB TOTAL	35037	11679	39543	2108		1179
ESTIMATED	62	321	457	92		21
TOTAL	35,100	12,000	40,000	2,200		1,200

AS BUILT GUARD RAIL SUMMARY

ITEM NO.	753.1	761.1	763	772
ITEM	3-CABLE GUARD RAIL GR-3A	ANCHORAGES	POST MARKERS	BOLTED GUARD RAIL
UNIT	LIN FT.	EACH	EACH	EACH
LOCATION				
4[illegible]0+14 - 4[illegible]1+88 RT				24
4[illegible]5+37 - 467+84 RT				21
494+21 RT				24
507+00 "A" RT				8
419+57 - 422+05 RT	248.9	2		
421+38 - 426+74 LT	136.3	2		
431+40 - 433+86 RT	246.2	2		
473+98 - 476+71 RT	273.4	2		
491+00 - 493+75 RT	13[illegible].3	2		
496+63 - 497+46 RT	83.3	2		
497+55 - 497+89 LT	3[illegible].6	2		
498+34 - 498+83 RT	58.9	2		
478+[illegible] - 481+10 LT	4[illegible]	2		
503+12 - 504+21 LT	110.5	2		
515+00 - 518+50 LT	347.5	2		
520+00 - 522+47 LT	247.8	2		
524+78 - 529+00 LT	321.7	2		
573+51A - 575+73A LT	243.0	2		
495+[illegible]A - 496+25 RT	107.0	2		
PROJECT POST MARKERS			64	
AS BUILT TOTALS	2918	30	64	77

MISCELLANEOUS ITEMS

ITEM NO.	ITEM	UNIT	TOTAL
101.1	STABILIZE SLOPE	S.Y.	600
189	FINE GRADING	LIN. FT.	11,208
811.4	LETTERING PROJECT MARKERS	EACH	2
812	CONCRETE BOUNDS	EACH	60
821	UNIFORMED OFFICERS	HOUR	2,000
824	MAINTENANCE OF TRAFFIC	UNIT	1
826	CALCIUM CHLORIDE	TON	50
827	WATER	M. GAL.	2,200
829	FIELD OFFICES	EACH	1

LANDSCAPING AND SLOPE PROTECTION

ITEM NO	151	668.24	764	786.1	786.9
ITEM	EARTH TRENCH EXCAV. R CL. A	HALF CIRCLE SLUICE 24"	CURB BOARD INCL. ASPH. FILLET	MULCH	SEED FOR EROSION CONTROL
UNIT	CU. YDS.	LIN. FT.	LIN. FT.	TONS	LBS.
LOCATION					
SLOPES		207	1,530	59	1,475
BERM DITCHES	80	23			
SUB TOTAL	* 80	* 230	1,530	59	1,475
ESTIMATED			70	11	25
TOTAL			1,600	70	1,500

AS BUILT

PROJ. NO.	SHEET NO.	TOTAL
AFH 8-1(3)	3	87

1129

3 87

6/3/64 420+00 493+50 QUANTITIES REFLECTED HAVE BEEN REVISED

DATE

4-26-63
4-26-63

PERIN
DRAWN

CHECKED BY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	AFH 8-1(3)		4	87

SUMMARY OF QUANTITIES (ESTIMATED)

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEET NO. 3

* NOT AN ITEM TOTAL

DRAINAGE SUMMARY

Item No. / Item / Unit / Location	151 Earth Trench Excav. R Class A (Cu. Yds.)	154 Ledge Trench Excav. R (Cu. Yds.)	163 Unclass. Channel Excav. (Cu. Yds.)		214 Gravel For Special Purpose (Cu. Yds.)	374 Mortar Rubble Masonry (Cu. Yds.)	Header Standard Number	395 Struct. Plate Arch (Unit)	452.42 Bituminous Coated Corrugated Metal Pipe Including Spec. Excavation 42" 12 Ga (Lin. Ft.)	454.24 24" 14 Ga (Lin. Ft.)	454.30 30" 14 Ga (Lin. Ft.)	456.12 12" 16 Ga (Lin. Ft.)	456.15 15" 16 Ga (Lin. Ft.)	456.18 18" 16 Ga (Lin. Ft.)	623.06 BCPCMP Und. Incl. Spec. Exc. & Backfill 6" (Lin. Ft.)	650.03 Catch Basins Ty C (Each)	668.24 Half Circle Sluice 24" 14 Ga (Lin. Ft.)	Remarks
421+64	~~87~~	~~50~~				~~35.90~~		1										Extend Struct Plate Arch Rt
426+17	~~8~~ 7	~~5~~ 3				3.18 ~~6.36~~	PC-6				~~34~~ 30							~~Const Outlet Ditch~~
430+87	~~1~~	~~2~~ 1				~~0.85~~	~~PC-2~~						~~36~~ 42					
432+95	~~23~~ 12	~~8~~ 4				5.17 ~~8.34~~	PC-6		~~15~~ 12									" ~~Inlet &~~ Outlet Ditch
~~433+00-433+70 Lt~~	~~20~~																	~~" Ditch~~
~~433+04-437+92 Rt~~	~~109~~																	~~" "~~
~~438+40-443+75 Lt~~	~~365~~																	~~" "~~
439+67	~~2~~ 9	1				1.13	PC-2							~~13~~ 16				Const Inlet Ditch
450+50														56		1		
454+59	4	4				1.78	PC-2			27								" Inlet Ditch
456+55-458+30 Lt	26																	
456+57	5	4				3.56	PC-2			15								" Ditch
463+50														68		1		
463+70-468+80 Const Rt			2929															Const Channel
466+37 Const	3	3				2.54	PC-6				25							
471+~~76~~ 62	~~23~~ 4	3				1.13 ~~2.26~~	PC-2					22		~~22~~ 62			~~30~~	~~Const Inlet & Outlet Ditch~~
474+69		2								34								
485+52	33	4				3.56	PC-2			34								Const Inlet & Outlet Ditch
490+11	16	4				3.56	PC-2			20								" Outlet Ditch
494+18		2												72		1		Wreck DI Lt
498+80-499+20 Rt												42						
503+71	~~27~~	~~1~~				0.17 ~~0.85~~	~~PC-2~~						~~5~~					~~Const Inlet Ditch~~
504+93	23	2				2.26	PC-2							63				" " & Outlet Ditch
507+19	1	2				0.85	PC-2						22					
510+18	~~17~~ 4	3				0.85 ~~1.70~~	PC-2						~~23~~ 17			1		" ~~" "~~ " "
515+68	14	2				0.85	PC-2						24					" Inlet Ditch
516+93	12	2				1.13	PC-2							26				" " "
521+18	4	2				0.85	PC-2						20					" " "
523+50	2	1				0.85	PC-2						8					
524+93	2	1				1.13	PC-2							8				
528+26	14	2				0.85	PC-2						35					Const Inlet Ditch
529+96	17	2				1.78	PC-2			6								" Outlet "
493+00A	21	1				2.26	PC-2							55				" Inlet & Outlet Ditch
Slope Protection	80																230	Berm Ditch & Curb Board Outlets
475+25 - 476+25 Lt	10																	Const Ditch
487+30 Lt - 487+00 Rt	26					2.26	PC-2							58				Const Inlet Ditch
496+25±	11					1.13	PC-2							70				" " "
Sub Total	360 ~~959~~†	56 ~~63~~	*2929			42.83 ~~85.20~~†		1	~~15~~ 12	136	~~59~~ 55	~~42~~ 64	~~173~~ 168	554 ~~383~~		~~3~~ 4	230 ~~260~~	
Estimated	~~41~~ 40	~~87~~ 44			200	4.17 ~~8.80~~			~~10~~ 13	34	~~16~~ 15	~~8~~ 11	~~47~~ 42	~~52~~ 61	500	2	30	
Total	~~1,000~~ ~~400~~	~~150~~ ~~100~~			~~200~~	~~94.00~~ 47.00		1	~~25~~	~~170~~	~~75~~ 70	~~50~~ 75	~~220~~ 210	~~435~~ ~~615~~	~~500~~	~~5~~ 6	~~290~~ 260	
AS BUILT TOTALS	558.0	472	NONE	^	NONE	48.8		1	32.9	144.2	45.6	109.1	160.3	584.1	782.2	5	NONE	

†Sub Totals Not Corrected.

Quantities Affected Have Been Revised 6/13/63 420+00 493+50A

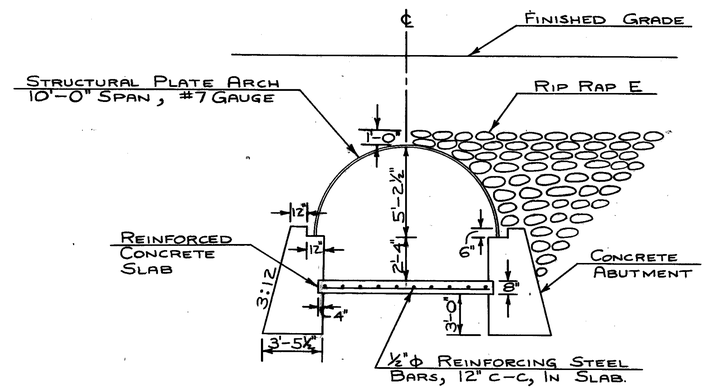
Inked by Phipps Date 4-15-63
Checked by Date 4-30-63

AS BUILT

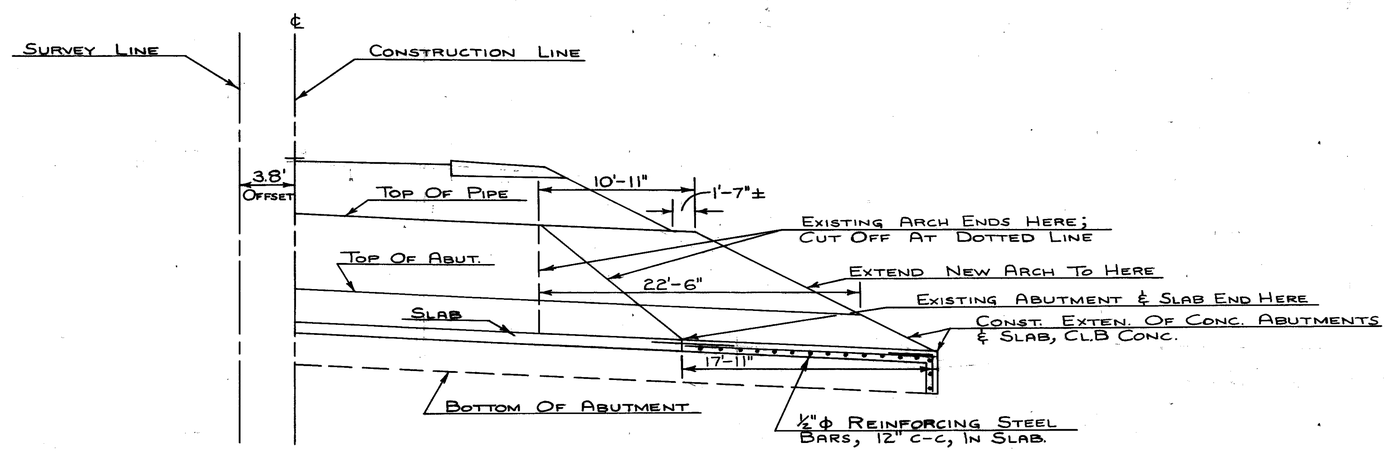
PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFH 8-1(3)	4	87

1129

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHB-1(3)		5	87



END ELEVATION
SCALE ¼" = 1'-0"



LONGITUDINAL SECTION
AT STATION 421+64
SKEWED 93°-30' RT
SCALE: 1" = 5'-0"

NOTE: ALL THE WORK & MATERIALS ENTAILED IN THE CONSTRUCTION OF THE EXTENSION TO THE EXISTING STRUCTURAL PLATE ARCH IS TO BE PART OF ITEM 395.

LINCOLN S-4425C
EXTENSION TO EXISTING STRUCTURAL PLATE ARCH
AT STATION 421+64

AS BUILT

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	5	87

1129

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
" "	" "
BOOK NO.	PAGE NO.

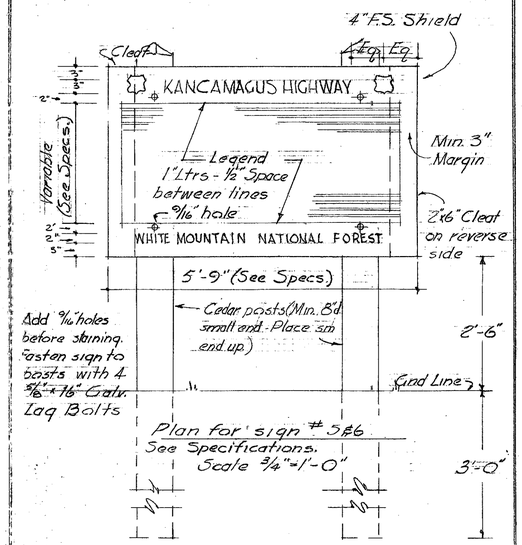
REVISIONS AFTER PROPOSAL

DATE	STA.	TO STA.	DESCRIPTION

PLAN DRAWN BY:	PHIPPS	DATE	5-1-63
" CHECKED "	DREW	"	5-2-63
PROFILE TRACED BY			
" CHECKED "			
INKED BY	PHIPPS		5-2-63
CHECKED BY			

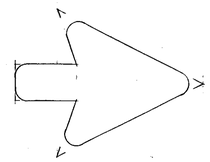
1500-4-55 M. B. P. CO. Microwave Tracing Cloth 11801

PLATE D



Plan for sign # 5 & 6
See Specifications.
Scale 3/4" = 1'-0"

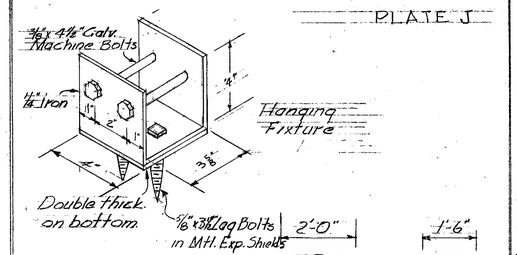
PLATE H

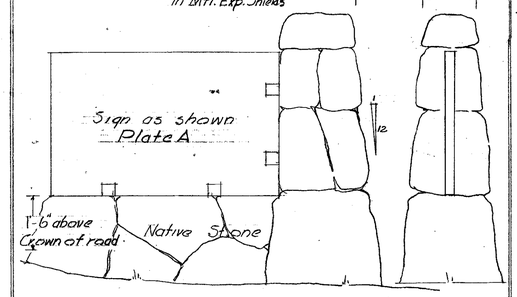


Full Size Arrow Detail For Sign # 4

Typical Letter Detail

PLATE J

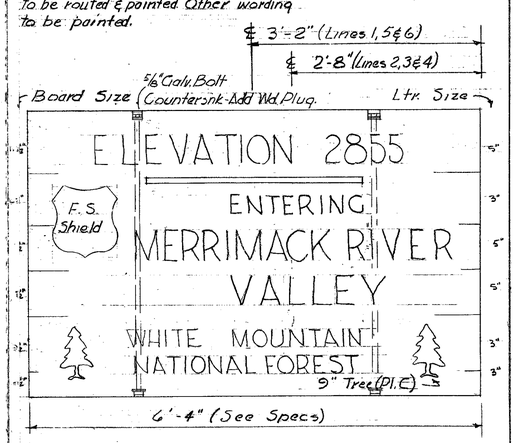




Installation - Height of Land
Scale 1/2" = 1'-0"

PLATE A

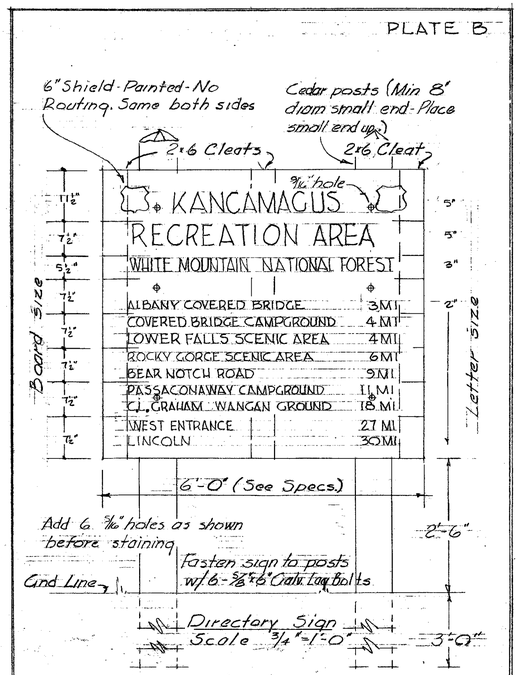
Note: F.S. Shield 12" high accord. to enclosed plan. Border, tree & "U.S." to be routed & painted. Other wording to be painted.



Wording and designs similar on other side except replace "MERRIMACK" with "SACO"

Sign for Height of Land
Scale 1" = 1'-0"

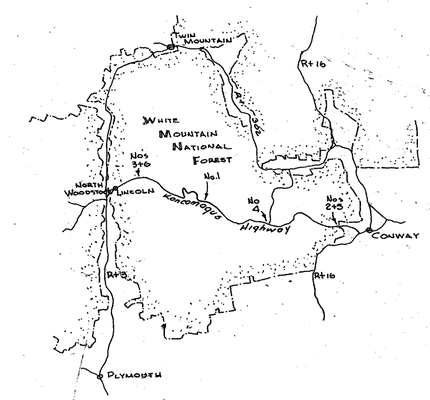
PLATE B



Directory Sign
Scale 3/4" = 1'-0"

PLATE C

Full Scale Plan of tree for Height of Land Sign - Rout w/ 1/4" router & paint same as ltrs.

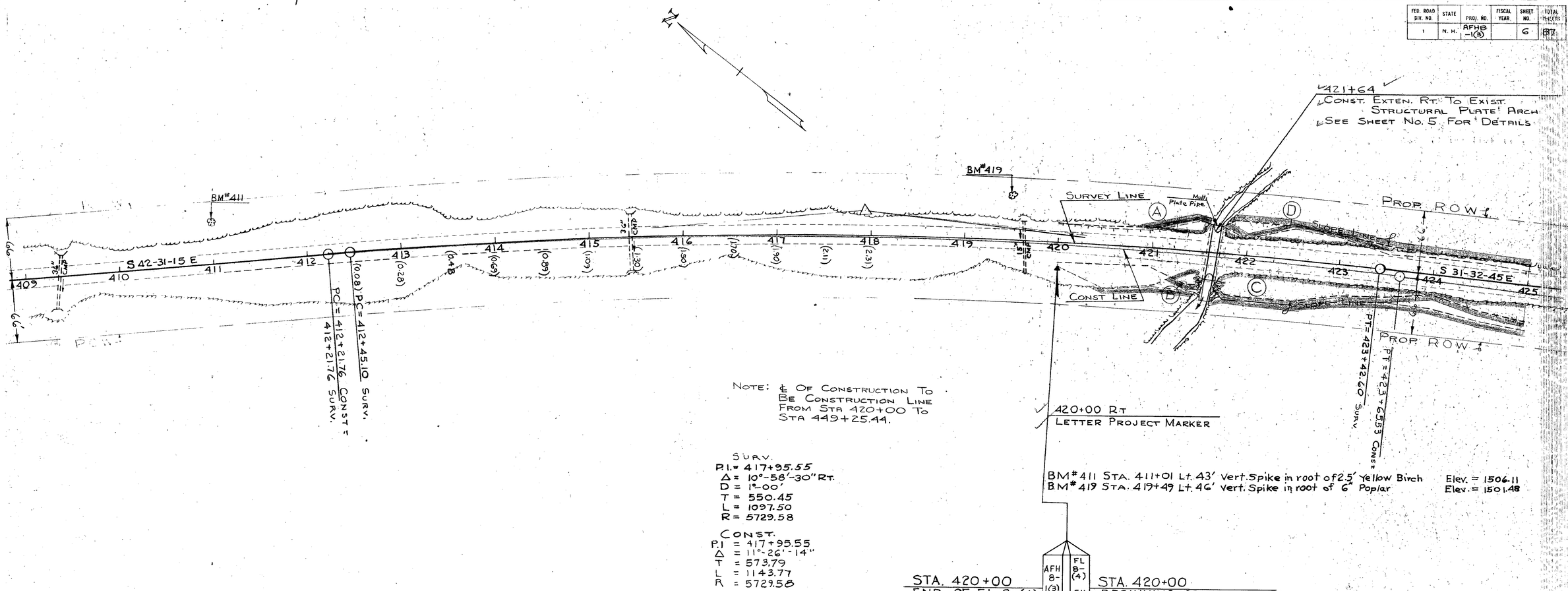


LOCATION OF PROPOSED SIGNS
KANCAMAGUS HIGHWAY
WHITE MOUNTAIN NATIONAL FOREST

1129

5-A

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR.	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHB -1(3)		6	87



As Built		
PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	6	87

129

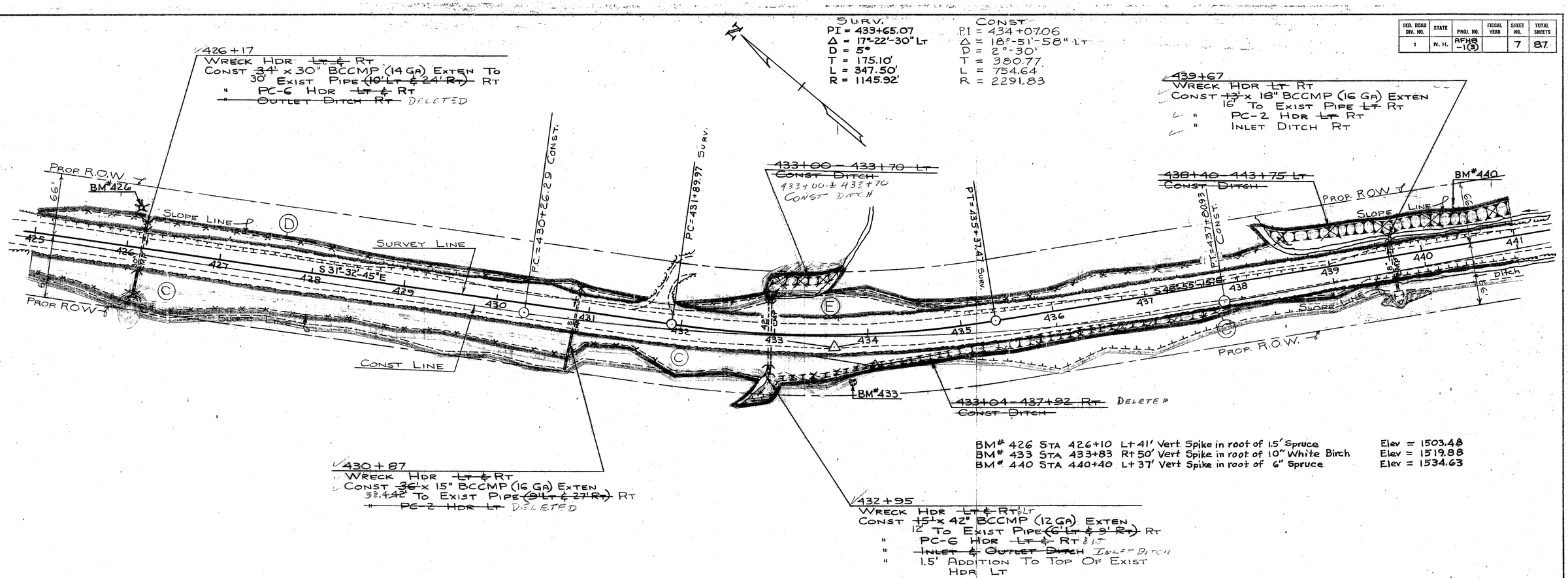
FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHB -1(3)		7	87

NOTE BOOKS (USE BOTTOM LINES FIRST)	
BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
BOOK NO. 6347	PAGE NO. 47-48

REVISIONS AFTER PROPOSAL			
DATE	STA.	TO	STA.
6/12/63	425+00	TO	441+00

QUANTITIES AFFECTED HAVE BEEN REVISED

PLAN TRACED BY	DYSW	DATE 12/12/61
" CHECKED "	DEPIN	" 3/12/63
PROFILE TRACED BY	DYSW	" 12/19/61
" CHECKED "	DEPIN	3/13/63
INKED BY	PHIPPS	4/8/63
CHECKED BY		

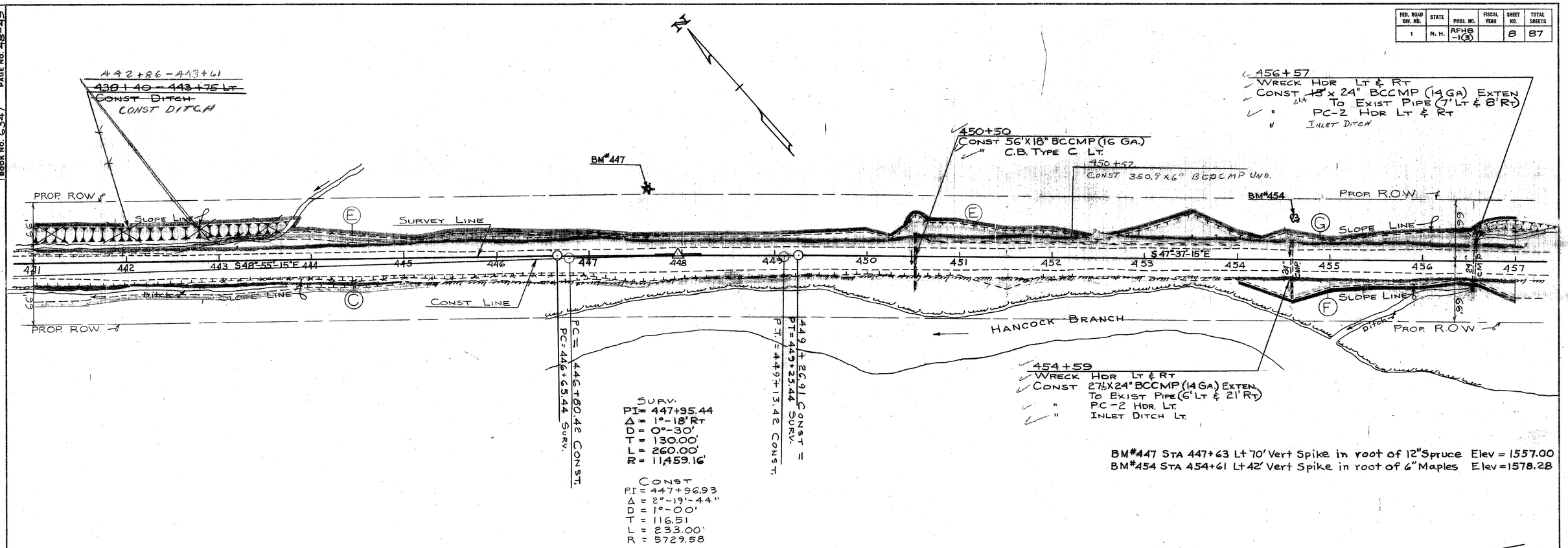


AS BUILT		
PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	7	87

1129

MODERN BLUE PRINT CO. 33230

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHB-1(3)		8	87



NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
" "	" "
BOOK NO. 6347	PAGE NO. 48-49

REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.	DESCRIPTION
6/13/63	441+00 - 448+50	QUANTITIES AFFECTED HAVE BEEN REVISED

PLAN TRACED BY	DREW	DATE 12/12/61
" CHECKED "	PEPIN	" 3/12/63
PROFILE TRACED BY	DREW	" 12/19/61
" CHECKED "	PEPIN	3/12/63
INKED BY	PHIPPS	4-8-63
CHECKED BY		

AS BUILT

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	8	87

1129

1500-5-58 MODERN BLUE PRINT CO. 23230

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHS -1(3)		9	87

PI = 460 + 29.54
Δ = 17°- 11' Lt
D = 5°
T = 173.14'
L = 343.67'
R = 1145.92'

~~456+55 - 458+30 Lt~~
~~Const Ditch~~

463+50
Const 68' x 18" BCCMP (16 GA)
" 87' C B T & C Lt.
" Outlet Ditch

466 + 37 Const
Wreck Hdr ~~Rt~~ Lt
Const ~~25~~ 15' x 30" BCCMP (14 GA) ~~Rt~~ Lt
" Exten To Exist Pipe
" PC-6 Hdr ~~Rt~~ Lt
" Inlet Ditch

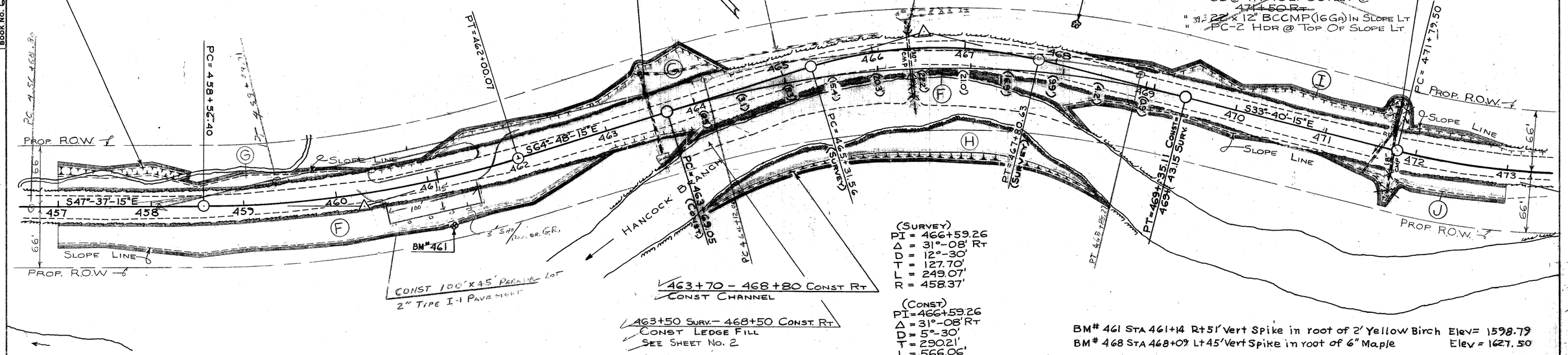
463+52 - 466+00 Lt 16'
Const 250.7 x 6" BCCMP (No.)

As Built
471+76
Wreck D.I. Lt & Hdr Rt
Const 63.3 x 18" BCCMP (16 GA)
" 63.3 471+76 BCC-Outlet (Ditch) 471+50 63.3
" 37.3 x 12" BCCMP In Slope Lt
" PC-2 Hdr @ Top of Slope Lt
" Inlet Ditch

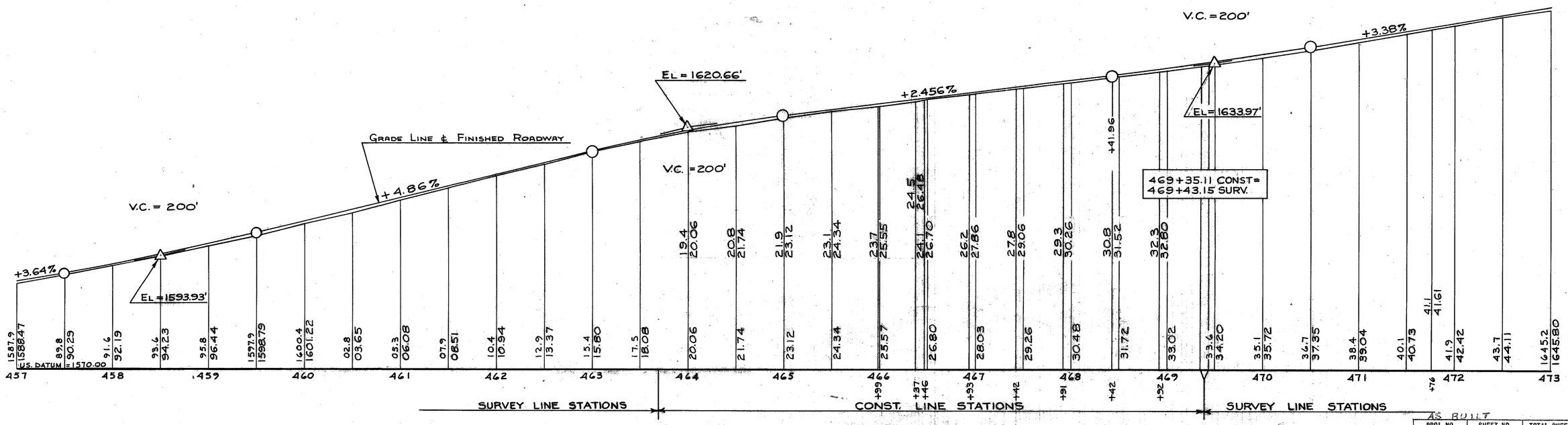
471+76
~~Wreck DI Lt & Hdr Rt~~
Const ~~22~~ x 18" BCCMP (16 GA) ~~Exten~~
~~To Exist Pipe (13' Lt & 9' Rt)~~
~~PC-2 Hdr Lt & Rt~~
~~Inlet & Outlet Ditch~~
~~30" x 24" Half Circle Sluice Lt~~
~~CB @ 471+76 Lt Outlet @ 471+50 Rt~~
" ~~22~~ x 12" BCCMP (16 GA) In Slope Lt
" PC-2 Hdr @ Top Of Slope Lt

Delete D

PI = 474+35.94
Δ = 34°-47'-30" Lt
D = 7°
T = 256.44'
L = 497.02'
R = 818.51'



BM# 461 Sta 461+14 Rt 51' Vert Spike in root of 2' Yellow Birch Elev = 1598.79
BM# 468 Sta 468+09 Lt 45' Vert Spike in root of 6" Maple Elev = 1627.50



As Built

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHS-1(3)	9	87

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
BOOK NO. 6347	PAGE NO. 50-51

REVISIONS AFTER PROPOSAL

DATE	STA.	TO STA.	DESCRIPTION
6/13/63	471+62		Quantities Affected Have Been Revised

		DATE
PLAN TRACED BY	Drew	12/13/61
" CHECKED "	Pepin	" 3/12/63
PROFILE TRACED BY	Drew	" 12/19/61
" CHECKED "	Pepin	3/12/63
INKED BY	Phipps	4/8/63
CHECKED BY		

1129

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHB -1(3)		10	87

PI = 474 + 35.94
Δ = 34°-47'-30" Lt
D = 7°
T = 256.44'
L = 497.02'
R = 818.51'

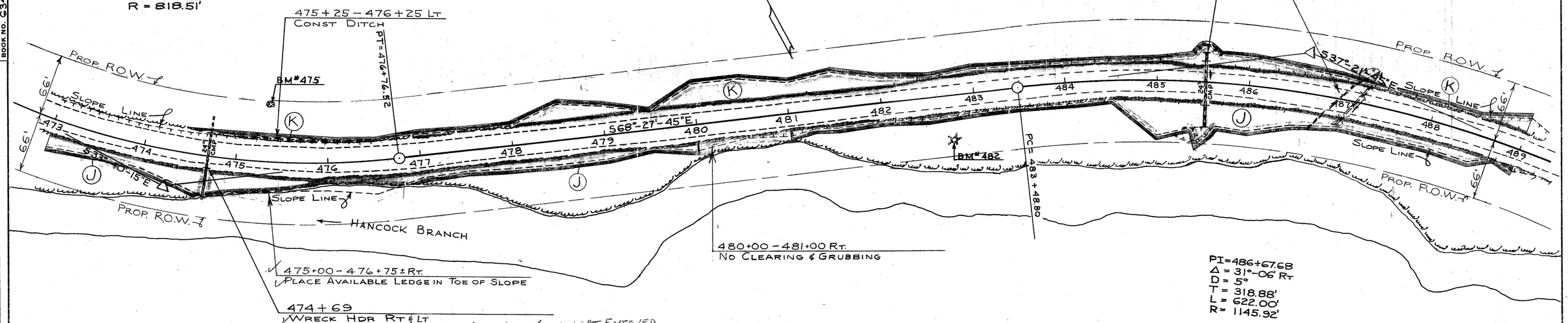
475 + 25 – 476 + 25 Lt
Const Ditch

PT = 476 + 76.52

BM#475

485 + 52
Wreck Hdr Lt & Rt
Const ~~34'~~ 34.6' × 24" BCCMP (14 Ga) Exten. To Exist Pipe (10' Lt & 24' Rt)
" PC-2 Hdr Lt & Rt
" Inlet & Outlet Ditch

~~487+30~~ 487+14 Lt. – ~~487+00~~ 486+66 Rt.
Const. ~~60'±~~ 1150' × 18" BCCMP (16 Ga.)
" PC-2 Hdr Lt. ~~& Rt.~~
~~Note: Not Included on Drainage Summary~~
" Inlet Ditch



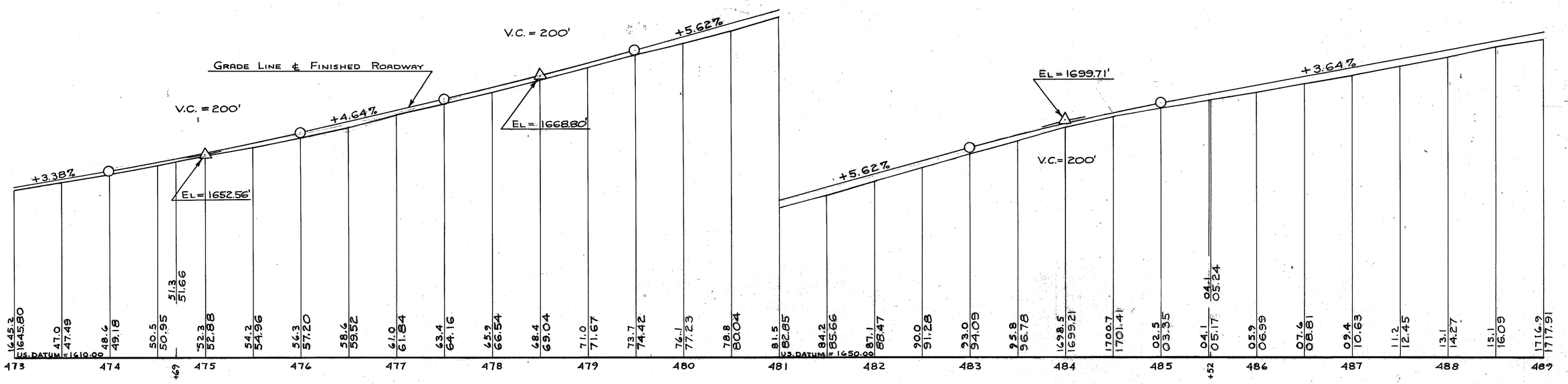
475 + 00 – 476 + 75 ± Rt.
Place Available Ledge in Toe of Slope

474 + 69
Wreck Hdr Rt & Lt
Const ~~34'~~ 34.1' × 24" BCCMP (14 Ga) 16.2' Lt & 18.2' Rt Entered
Exten. To Exist Pipe Rt

480 + 00 – 481 + 00 Rt.
No Clearing & Grubbing

PI = 486 + 67.68
Δ = 31°-06' Rt
D = 5°
T = 318.88'
L = 622.00'
R = 1145.92'

BM#475 Sta 475+31 Lt 60' Vert Spike in root of 12" Yellow Birch Elev = 1655.17
BM#482 Sta 482+74 Rt 45' Vert Spike in root of 15" Pine Elev = 1692.40



AS BUILT

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	10	87

1129

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
" "	" "
BOOK NO. 6347	PAGE NO. 51-52

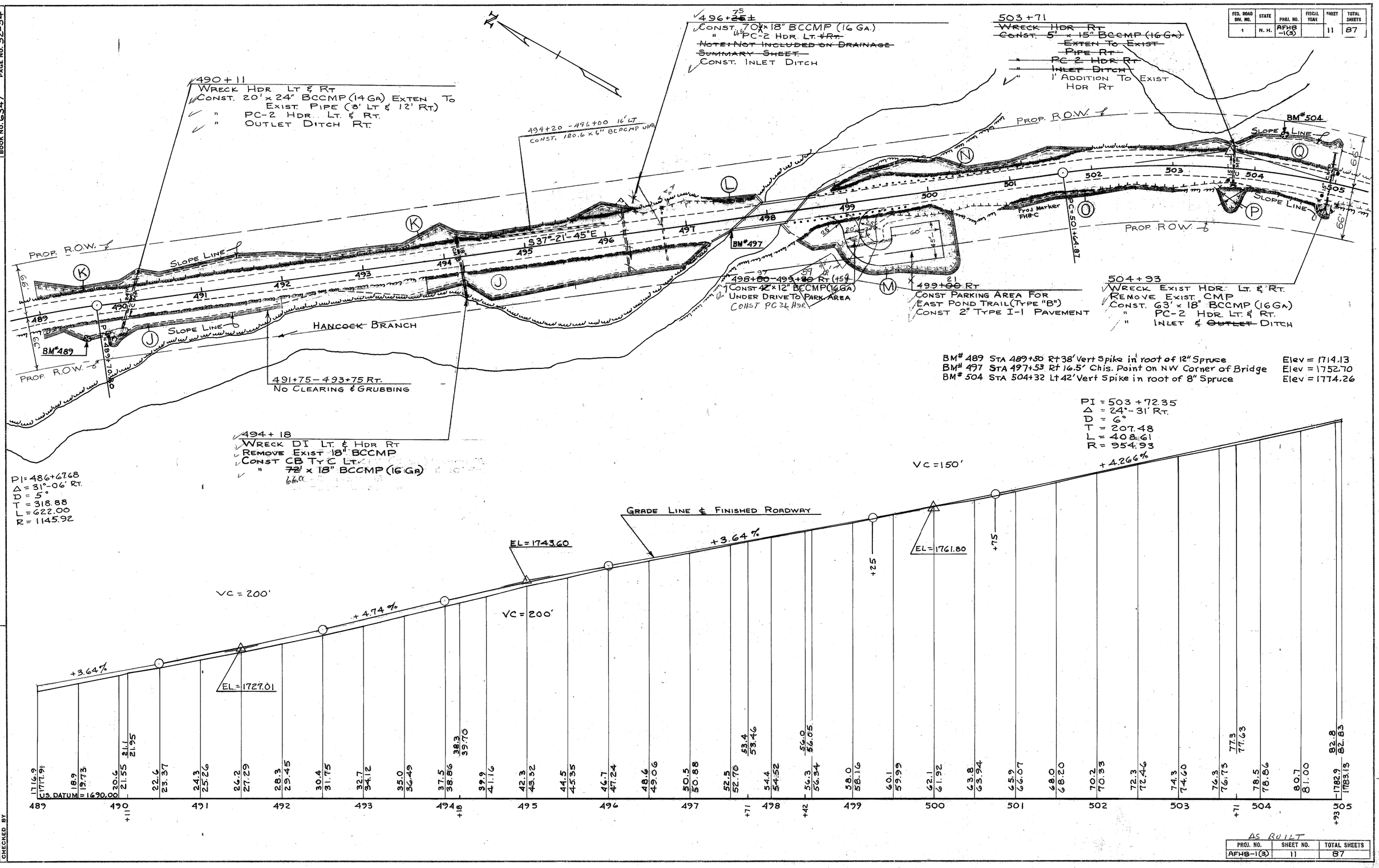
REVISIONS AFTER PROPOSAL

DATE	STA.	TO STA.	DESCRIPTION
6/13/63	473+00	489+00	Quantities Affected Have Been Revised

		DATE
PLAN TRACED BY	Drew	12/1/61
" CHECKED "	Pepin	" 3/12/63
PROFILE TRACED BY	Drew	" 12/20/61
" CHECKED "	Pepin	3/12/63
INKED BY	Phipps	4/8/63
CHECKED BY		

1500-8-58 MODERN BLUE PRINT CO. 23230

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET	TOTAL SHEETS
1	N. H.	AFHB-1(3)		11	87



AS BUILT

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHB-1(3)	11	87

1129

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
" "	" "
BOOK NO. 6347	PAGE NO. 52-54

REVISIONS AFTER PROPOSAL

DATE	STA.	TO	STA.	DESCRIPTION
6/13/63	489+00	-	505+00	QUANTITIES AFFECTED HAVE BEEN REVISED

PLAN TRACED BY	Drew	DATE 11/28/61
" CHECKED "	Phipps	" 3/12/63
PROFILE TRACED BY	Drew	" 12/20/61
" CHECKED "	Phipps	3/12/63
INKED BY	Croteau	6-6-62
CHECKED BY		

1500-8-58 MODERN BLUE PRINT CO. 23220

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFHS -1(3)		12	87

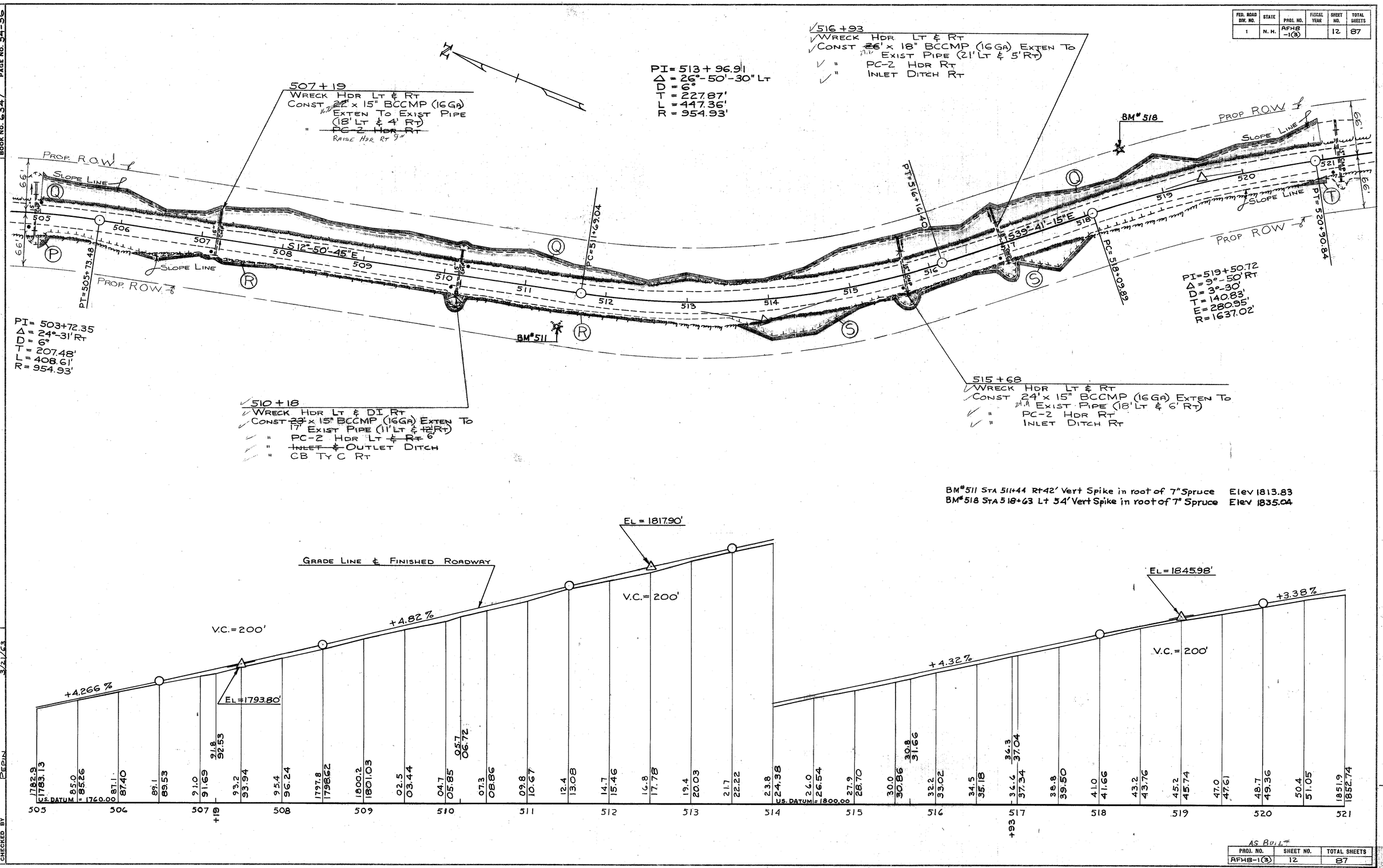
NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
" "	" "
BOOK NO. 6347	PAGE NO. 54-56

REVISIONS AFTER PROPOSAL

DATE	STA.	TO	STA.	DESCRIPTION
6/13/63	510+18			QUANTITIES AFFECTED HAVE BEEN REVISED.

		DATE
PLAN TRACED BY	DYE & W	11/30/61
" CHECKED "	PHIPPS	3/12/63
PROFILE TRACED BY	DYE & W	" 12/20/61
" CHECKED "	PHIPPS	3/12/63
INKED BY	PHIPPS	3/20/63
CHECKED BY	PEPIN	3/21/63



AS BUILT		
PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFHS-1(3)	12	87

1129

1500-8-58 MODERN BLUE PRINT CO. 33230

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.	AFH8-1(3)		13	87

523+50
Wreck Hdr Lt
Const 8'x 15" BCCMP (16GA) Exten. To Exist Pipe Lt
" PC-2 Hdr Lt
" Raise Hdr 6" Rt

PI=525+01.18
Δ = 20°-44'-45" Lt
D = 6°
T = 174.76'
L = 345.76'
R = 954.93'

528+26
Wreck Hdr Lt & Rt
Const 35'x 15" BCCMP (16GA) Exten To Exist Pipe (25' Lt & 10' Rt)
" PC-2 Hdr Rt
" Inlet Ditch Rt

529+96
Wreck Hdr Lt
Const 6' x 24" BCCMP (14GA) Exten To Exist Pipe Lt
" PC-2 Hdr Lt
" Outlet Ditch Lt
" Inlet Ditch Rt
" Raise Hdr Rt 1'

P.I.=498+97.00A
Δ = 85°-51'-00" Lt
D = 8°-00'
T = 666.1'
L = 1073.1'
R = 716.3'

Prop. R.O.W.
Slope Line
66'
S29°-51'-15"E
S50°-36'-00"E
PC=523+26.42
PT=526+72.18
PC=492+30.90A
POT 489+12.76 = POT 521+77.73
POT 492+30.90A = POT 530+95.87
BM#525
Parking for Greeley Ponds Trail
Hancock Branch
497A
493A

Eliminate Parking Area
Use For Waste Area
Grade, Mulch & Seed. No waste shall be disposed elsewhere until this area has been filled to the satisfaction of the Engineer.

493+50-A — 496+20-A
Const Approach
Plant Mix

493+00A
Wreck Hdr Lt & Rt
Remove 12" CMP
Const 55'x 18" BCCMP (16 GA)
" PC-2 Hdr Lt & Rt
" Inlet & ~~Outlet~~ Ditch

521+18
Wreck Hdr Lt & Rt
Const 20'x 15" BCCMP (16GA) Exten To Exist Pipe (14' Lt & 6' Rt)
" PC-2 Hdr Rt
" Inlet Ditch Rt

524+93
Wreck Hdr Rt
Const 8' x 18" BCCMP (16 GA) Exten To Exist Pipe Rt
" PC-2 Hdr Rt

STA. 493+50A
END OF AFH 8-1(3)

STA. 493+50 A
Letter Project Marker

BM#525 STA 525+81 R+45' Vert Spike in root of 6" Birch Elev= 1871.29

V.C.=200'
+3.38%
+3.93%
Grade Line ℄ Finished Roadway
EL=1873.02'
EL=1895.22'
EL= 1900.18'
EL= ~~1900.30'~~
EL 1899.80
EL 1900.51
+1.63%
~~+2.48%~~
+0.60%
V.C.=150'
300'
+02
~~+25A~~
~~+75A~~
1800.51
1900.51
Stakeout 1/2
Bkw Bk 44A

Station	Elevation
521	1851.9
+18.5	1852.74
	52.6
	53.36
C.S. DATUM	=1820.00
	53.6
	54.43
522	55.3
	56.12
523	57.0
	57.81
	58.9
	59.50
524	60.7
	61.19
	62.3
	62.88
	64.0
	64.57
525	65.4
+93	66.02
	65.6
	66.26
526	67.4
	67.95
	69.0
	69.64
527	70.8
	71.36
	72.7
	73.16
528	74.5
	75.01
	76.2
+26	76.95
	77.1
	77.97
529	78.0
	78.92
	80.0
	80.88
	82.0
	82.84
530	83.9
+96.5	84.0
	84.81
	84.67
	85.9
	86.78
530+95.87 = 492+30.90A	87.8
	88.58
	88.6
	89.33
493A	90.5
	91.29
	92.2
	~~92.47~~ 93.16
494A	94.5
	~~94.95~~ 94.85
	96.2
	~~96.43~~ 96.34
495A	97.5
	~~97.70~~ 97.65
	1898.7
	~~1898.94~~ 98.77
	1899.3
	1899.46
496A	1900.0
	1900.18
	99.67
	1900.3
	1900.30 1897.79 1899.77
	01.2
497A	1902.4

AS BUILT

PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFH8-1(3)	13	87

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
6347	56-57

REVISIONS AFTER PROFOSAL

DATE	STA.	TO STA.	DESCRIPTION

		DATE
PLAN TRACED BY	Drew	11/30/61
" CHECKED "	Perin	3/12/63
PROFILE TRACED BY	Drew	12/21/61
" CHECKED "	Perin	3/12/63
INKED BY	Philips	3/12/63
CHECKED BY	Perin	3/12/63

1900-8-56 MODERN BLUE PRINT CO. 22330

FED. ROAD DIV. NO.	STATE	PA
1	N. H.	8-

SURVEY
P.I. = 508+78.00
Δ = 66°-51'-00" LT
T = 540.2'
D = 7°-00'
L = 955.0'
R = 818.6'

CONST.
PI 507+18.24
Δ 49°-51'-14.4" LT.
T 380.44
D 7-00
L 712.25
R 818.6

CONST.
P.I. = 512+70.57
Δ = 23°-09'-05.2" LT.
T = 220.57'
D = 5.3207°
L = 435.15'
R = 076.93'

SURVEY
P.I. = 517+50.00
Δ = 12°-43'-30" LT.
T = 91.3'
D = 7°-00'
L = 181.8'
R = 818.6'

~~506+00~~
~~CONST. 42"x18" BCCMP (16 GA.)~~
~~" PC-2 HDR. RT.~~
~~" INLET DITCH~~

~~506+90-507+10 RT.~~
~~CONST. 20"x12" BCCMP (16 GA.)~~
~~UNDER DRIVE~~

STA 507+10-507+17 RT
CONST 7.1 X 12" BCCMP
EXT. TO EXISTING DRIVE PIPE

~~511+05~~
~~REMOVE HDR. LT.~~
~~CONST. 40"x18" BCCMP~~
~~" LT. (16 GA.)~~
~~CONST. INLET DITCH RT.~~
~~(ROADWAY EXCAV.)~~
~~STAB. INLET~~

~~518+50 LT.~~
~~CONST. 15"x24" BCCMP (16 GA.) EXTEN.~~
~~" OUTLET DITCH (STAB.)~~

~~510+60~~
~~CONST. INLET & OUTLET DITCHES~~
~~STAB. INLET & SLOPE~~

~~507+00 RT.~~
~~WASTE AREA FOR DRIVE & PARKING (FUTURE)~~

~~510+55 RT.~~
~~CONST. REINF. BERM~~

~~511+75 RT.~~
~~CONST. REINF. BERM~~

~~510+60-511+60 RT.~~
~~CONST. LEDGE FILLED DITCH~~
~~(SEE TYPICAL)~~

~~511+85-513+70 RT.~~
~~CONST. LEDGE FILLED DITCH (SEE TYPICAL)~~

~~512+00-515+50 RT.~~
~~CONST. BERM DITCH~~

~~513+75~~
~~CONST. 54"x18" BCCMP (16 GA.)~~
~~" C.B. TYPE C (1:16" THROAT) RT.~~
~~" REINF. BERM RT.~~

~~18" HALF CIRCLE SLUICE TO DRAIN BERM DITCH~~

~~513+75-515+00 RT.~~
~~CONST. LEDGE FILLED DITCH (SEE TYPICAL)~~

~~515+37 RT.~~
~~ALTER DI. RT. (SEE TYPICAL)~~
~~STAB. INLET~~

~~515+30 RT.~~
~~CONST. REINF. BERM~~

~~517+00 RT.~~
~~CONST. REINF. BERM~~

~~518+60-521+25 RT.~~
~~CONST. LEDGE FILLED DITCH (SEE TYPICAL)~~

~~520+75-521+75 RT.~~
~~EXTEND BERM DITCH TO OUTLET INTO BROOK CHAN. (518+50 RT.)~~

~~521+90 RT.~~
~~CONST. REINF. BERM~~

~~522+00~~
~~WRECK DI. RT.~~
~~CONST. PC-2 HDR RT.~~
~~" INLET DITCH RT.~~
~~" OUTLET DITCH LT.~~
~~(STAB.)~~

~~522+00-523+50 RT.~~
~~CONST. LEDGE FILLED DITCH (SEE TYPICAL)~~

CONST. CURVE
P.I. = 521+38.42
Δ = 17°-36'-49
T = 93.45'
D = 9°-30'
L = 185.42'
R = 603.16'

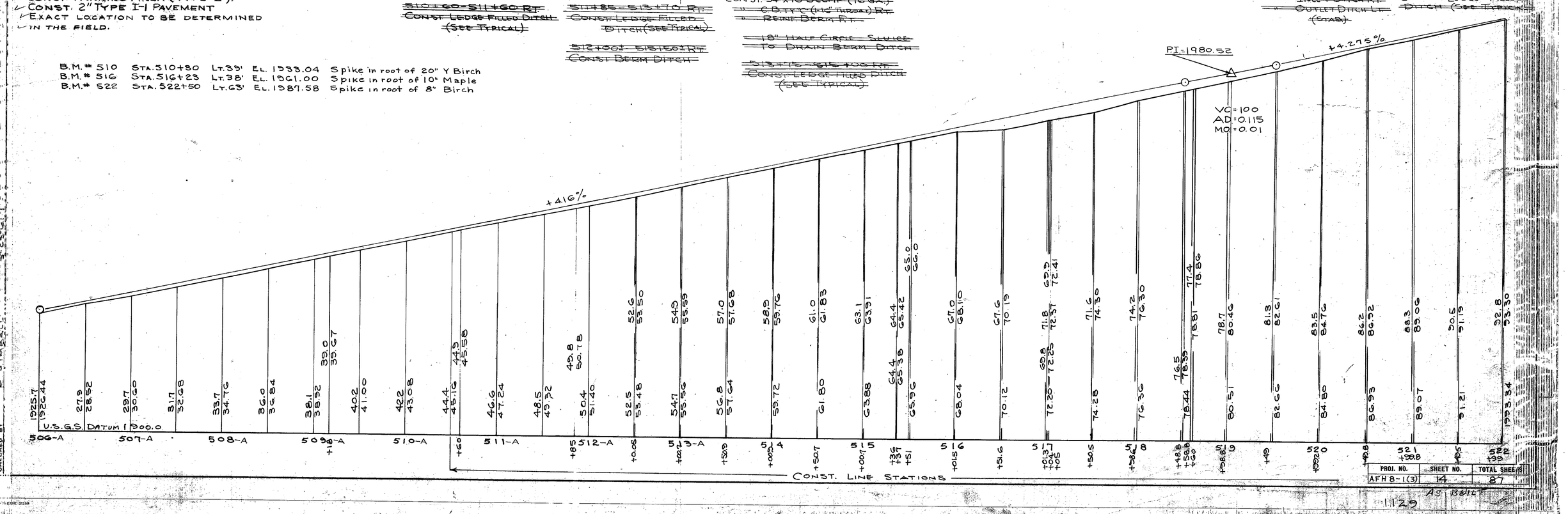
SURVEY
P.I. = 520+90.40
Δ = 24°-11'-
T = 136.35'
D = 9°-00'
L = 268.7'
R = 637.27'

SURVEY LINE

CONST. LINE

507+00-A RT.
CONST. PARKING AREA (TYPE E).
CONST. 2" TYPE I-1 PAVEMENT
EXACT LOCATION TO BE DETERMINED IN THE FIELD.

B.M.# 510 STA. 510+30 LT. 39' EL. 1933.04 Spike in root of 20" Y Birch
B.M.# 516 STA. 516+23 LT. 38' EL. 1961.00 Spike in root of 10" Maple
B.M.# 522 STA. 522+50 LT. 63' EL. 1987.58 Spike in root of 8" Birch



PROJ. NO.	SHEET NO.	TOTAL SHEETS
AFH 8-1(3)	14	87

As Built