STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N. H.	SAR 1697	1	92

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
2	TYPICAL SECTIONS OF IMPROVEMENT
3-8	SUMMARIES
5-6	DETAIL SHEETS—STRUCTURAL PLATE PIPES
7-13	PLANS & PROFILES
14-77	CROSS SECTIONS
78-92	EXTENDED CROSS SECTIONS

SEE SHEET NO. 4 FOR STANDARD SHEETS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

PLANS OF PROPOSED
S.A.R. PROJECT
NO. 1697

N.H. PROJECT NO. S-4796

TEMPLE TO GREENVILLE ROAD

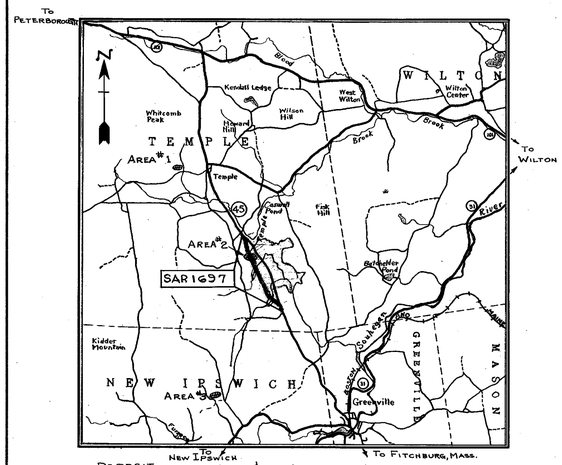
SCALES
PLAN 1" = 50'
PROFILE VERT. 1" = 10' HOR. 1" = 50'
CROSS SECTION VERT. 1" = 10' HOR. 1" = 10'

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

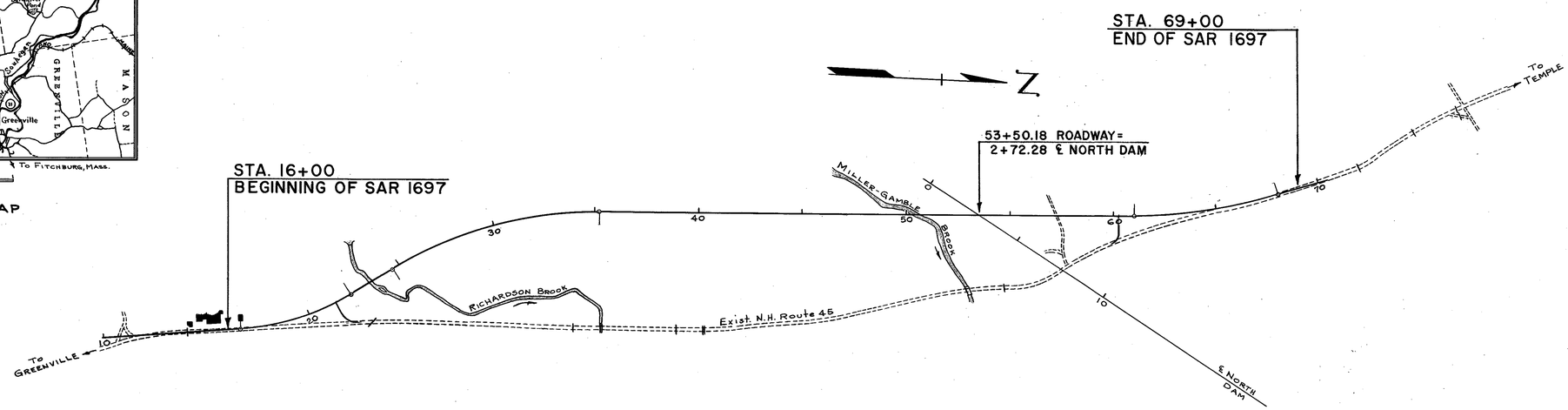
DESIGN DATA

AVERAGE DAILY TRAFFIC 1967	200	
AVERAGE DAILY TRAFFIC 1987	400	
TRAFFIC CLASSIFICATION	M	
DESIGN SPEED	50	M. P. H.
MAXIMUM CURVATURE	5°	DEGREES
MAXIMUM GRADIENT	-6.00	%
NON-PASSING SIGHT DISTANCE		
K FACTOR – CREST 133	SAG 90	
LENGTH OF PROJECT	1.004	MILES

16+00 - 21+00 DESIGN SPEED = 45 M.P.H.



LOCATION MAP



RECOMMENDED FOR APPROVAL: DATE 1/30/67

R. H. Pinkham
DEPUTY COMMISSIONER AND CHIEF ENGINEER

APPROVED:

John O. Morton
COMMISSIONER

Floyd L. Avery
SECONDARY ROADS ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:

DIVISION ENGINEER DATE

CONVENTIONAL SIGNS

STATE LINE
TOWN LINE
FENCE
STONE WALL
UNFENCED PROPERTY
TRAVELED WAY
RAILROAD
RETAINING WALL
SEWER MANHOLE
HYDRANT
LEDGE
BRUSH LINE
SWAMP
PROPERTY PARCEL NO.
R O W LINE
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TELEGRAPH POLE
JOINT POWER & TEL. POLE
GROUND ELEVATION (LEFT)
GRADE ELEVATION (RIGHT)
SLOPE LINE
CATCH BASIN
DROP INLET
BOUND
CLEARING & GRUBBING AREA

LAYOUT

SCALE 1" = 300 FEET

TOWNS OF TEMPLE AND GREENVILLE

COUNTY OF HILLSBOROUGH

DRAWN BY N.L. FARETRA DATE 8-19-66
CHECKED BY E.B. Christensen DATE 1-30-67

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	1	92

300 — 9-64 BRUNING

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	2	92

TYPICAL SECTION OF IMPROVEMENT

SURFACE TREATED GRAVEL

FOR LOCATION OF ALL DETAILS SEE SHEETS 3 & 4

SCALE — 3/8" = 1'-0"

GENERAL NOTES

ADJUSTING, ALTERING OR RELOCATING THE PROPERTY OF ANY PUBLIC UTILITY SHALL BE DONE BY THE OWNER, NOT A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER IN THE PERFORMANCE OF THIS WORK.

PERMISSION TO REMOVE MATERIAL BEYOND THE TEMPLATE LINES WITHIN THE RIGHT-OF-WAY AND ADJACENT THERETO WILL BE CONTINGENT ON MANY FACTORS AND IF PERMISSION IS GRANTED, IT WILL BE DONE BY THE ENGINEER ONLY AFTER REVIEW BY ALL INTERESTED PARTIES CONCERNED.

DRIVES SHALL BE REPLACED IN KIND EXCEPT AT THOSE LOCATIONS WHERE DRIVES HAVE BEEN STEEPENED TO THE EXTENT THAT A MORE STABLE SURFACE IS WARRANTED.

TOPSOIL NOT SUITABLE FOR LOAM OR HUMUS MATERIAL SHALL BE REMOVED FOR ITS FULL DEPTH WHEN ENCOUNTERED 6' OR LESS FROM FINISHED GRADE WITHIN THE LIMITS OF THE ROADBED.

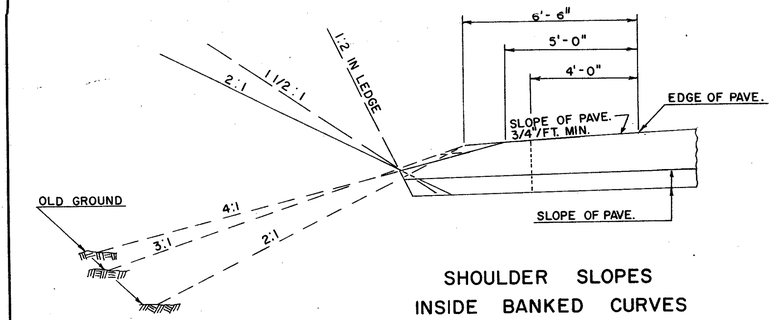
TOPSOIL IN FIELD AND OPEN PASTURELAND SHALL BE REMOVED FOR ITS TOTAL DEPTH WITHIN THE LIMITS OF THE SLOPE LINES IN CUT AND FILL. UNLESS OTHERWISE DIRECTED, THE TOPSOIL SHALL BE STOCKPILED AND USED IN ITS ENTIRETY UNDER ARTICLE 781-LOAM AND ARTICLE 782-HUMUS MATERIAL.

ITEM 232 CLASS A TAR SURFACE TREATMENT INCLUDING SAND COVER, 22 FEET WIDE, 1.25 GALLON PER SQUARE YARD (305.55 GALLON PER 100 LINEAR FEET) OR AS ORDERED TO BE APPLIED ON THE FOUNDATION COURSE IN THREE APPLICATIONS OF 0.50, 0.25 AND 0.50 GALLON PER SQUARE YARD RESPECTIVELY, THE THIRD APPLICATION SHALL BE MADE ONLY ON ORDER OF THE CONSTRUCTION ENGINEER.

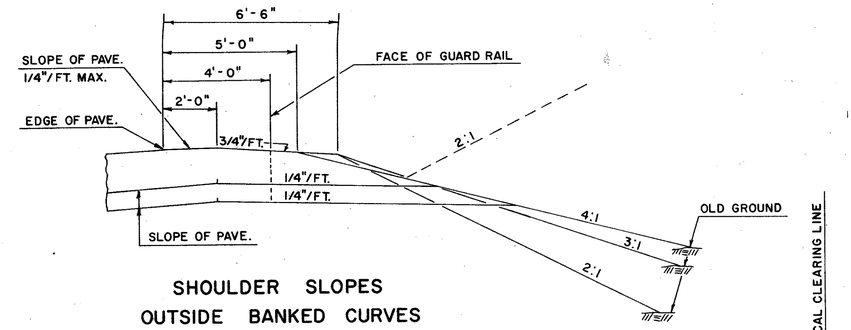
ITEM 232 CLASS A TAR SURFACE TREATMENT INCLUDING SAND COVER, 4 FEET WIDE, AS A SHOULDER TREATMENT, 1.00 GALLON PER SQUARE YARD (44.44 GALLONS PER 100 LINEAR FEET) TO BE APPLIED AS ORDERED BY THE ENGINEER.

HUMUS MATERIAL (ITEMS 782.1 AND 782.2) SHALL BE APPLIED TO ALL EARTH SLOPES NOT LOAMED AT THE RATE OF 0.006 C.Y./S.F. (266 C.Y./ACRE), UNLESS OTHERWISE ORDERED BY THE ENGINEER.

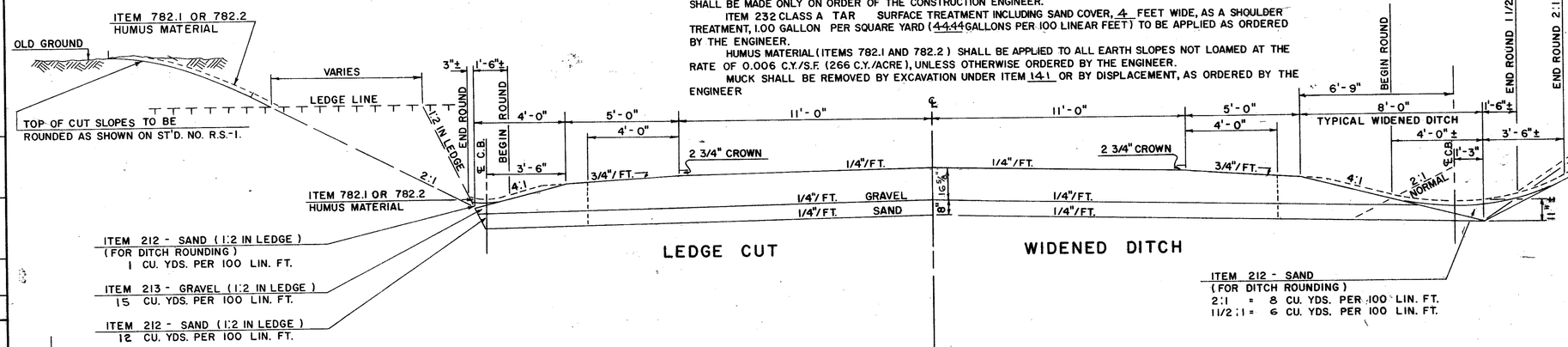
MUCK SHALL BE REMOVED BY EXCAVATION UNDER ITEM 14.1 OR BY DISPLACEMENT, AS ORDERED BY THE ENGINEER

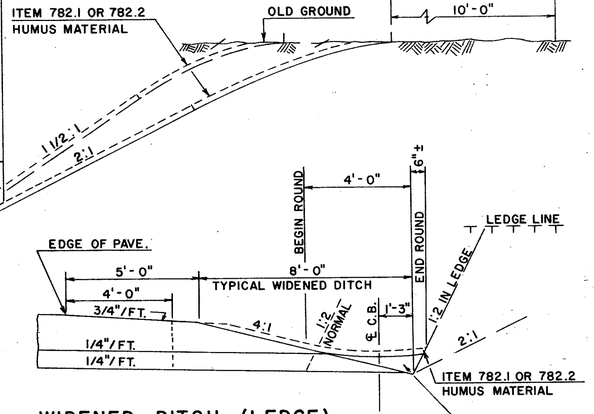


SHOULDER SLOPES
INSIDE BANKED CURVES



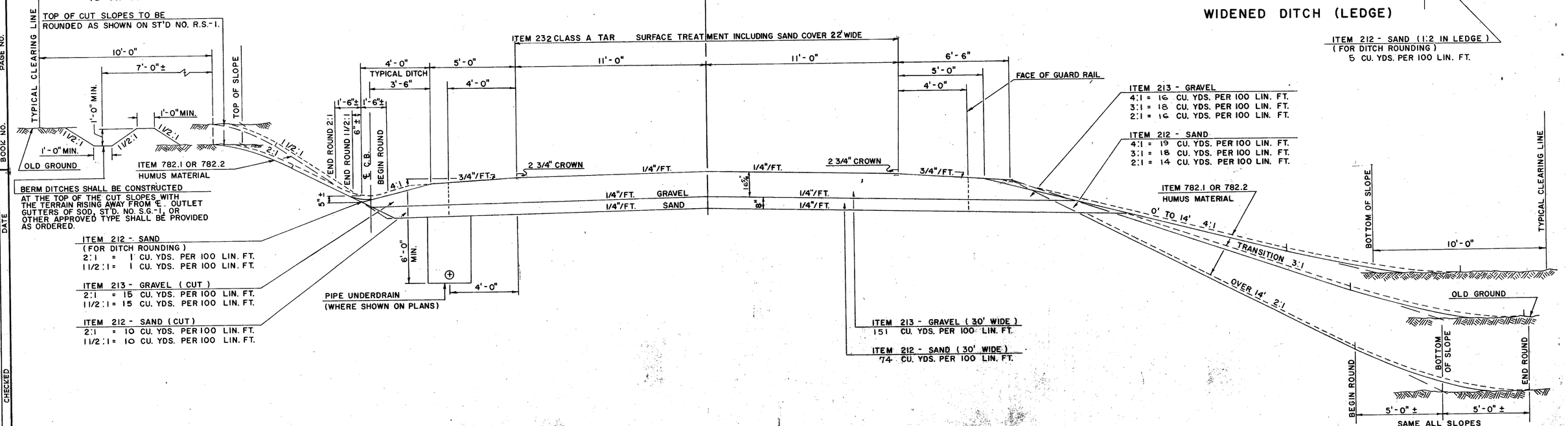
SHOULDER SLOPES
OUTSIDE BANKED CURVES





WIDENED DITCH (LEDGE)

ITEM 212 - SAND (1:2 IN LEDGE)
(FOR DITCH ROUNDING)
5 CU. YDS. PER 100 LIN. FT.



NO.	DATE	DESCRIPTION	STATION	STATION

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

NOTEBOOKS	BOOK NO.	PAGE NO.	BOOK NO.	PAGE NO.

		DATE
PLAN TRACED	SANBORN	7-11-66
PLAN CHECKED		
PROFILE TRACED		
PROFILE CHECKED		
INKED	SANBORN	7-11-66
CHECKED		

1500 1-66

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	2	92

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	SAR 1697		3	92

SUMMARY OF QUANTITIES (ESTIMATED)

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

* NOT AN ITEM TOTAL

CLEARING & GRUBBING

ITEM NO.		111
UNIT		ACRE
THE AREAS LISTED BELOW ARE SHOWN ON THE PLAN SHEETS BY SHADING AND LETTER IDENTIFICATION.		
LOCATION	DESIGN. AREA	
20+60 RT. 40' - 54+75 LT. 55'	A	7.93
56+50 LT. 50' - 70+50 LT.	B	1.89
62+90 RT. 65' - 65+25	C	0.05
65+60 RT. 35' - 70+50 RT. 25'	D	0.16
SUB TOTAL		10.03
ESTIMATED FOR FENCING (3' WIDE)		0.69
ESTIMATED		0.28
TOTAL		11.00

REMOVING ABANDONED ROAD SURFACE

ITEM NO.		131
UNIT		SQ. YD.
LOCATION		
18+90 - 21+50	RT.	510
60+40 - 62+50	RT.	410
SUB TOTAL		920
ESTIMATED		80
TOTAL		1,000

SEEDING WITH SEED FOR EROSION CONTROL, TYPE 13

ITEM NO. 787.23

UNIT		1000 S.F.
LOCATION		
22+75± - 25+50±	LT.	4.225
23+00± - 25+75±	RT.	5.800
34+00± - 35+50±	RT.	1.750
47+50± - 51+75±	RT.	12.100
48+50± - 51+75±	LT.	7.775
SUB TOTAL		31.650
ESTIMATED		3.350
TOTAL		‡ 35.000

‡ TRANSFERED TO LANDSAPING & SLOPE PROTECTION SUMMARY

SURFACING MATERIALS

ITEM NO.		212	213	215	232
ITEM		SAND	GRAVEL	OVERHAUL SAND ¼ MILE GRAVEL 1½ MILE	CLASS A TAR SURFACE TREAT. INCLUD. SAND COVER
UNIT		CU. YD.	CU. YD.	C.Y.M.	GAL.
LOCATION					
ROADWAY					
16+00 - 69+00		3,922	8,003		16,194
FOR DITCH ROUNDING		100			
SHOULDERS					
16+00 - 69+00		1,404	1,643		4,711
APPROACHES					
14+50 - 16+00		92	201		458
21+50	RT.	150	267		489
60+25	RT.		87		428
69+00 - 70+50		118	225		438
DRIVES (ESTIMATED)			42		
SUB TOTAL		5,786	10,468		22,698
ESTIMATED		214	532	18,000	302
TOTAL		6,000	11,000	18,000	23,000

GUARD RAIL

ITEM NO.		751.3	753.1	761.1
ITEM		BEAM GUARD RAIL INCLUD. TERMINAL SECTIONS	THREE CABLE GUARD RAIL	ANCHORAGES
STANDARD NO.		GR-1C	GR-3A	
UNIT		LIN. FT.	LIN. FT.	EACH
LOCATION				
22+75 - 25+25	LT.	50	250	2
22+75 - 25+50	RT.	50	275	2
48+25 - 51+75	RT.	50	350	2
48+75 - 51+75	LT.	50	300	2
SUB TOTAL		200	1,175	8
ESTIMATED		50	125	2
TOTAL		250	1,300	10

EARTHWORK SUMMARY

EARTH EXCAVATION IN SECTIONS	40,479
TOPSOIL REMOVED BENEATH FILL SECTIONS (EST.)	1,070
DRIVE AND APPROACH EXCAVATION (EARTH)	1,219
TOTAL EARTH EXCAVATION	42,768
EARTH EXCAVATION FOR ESTIMATE, ITEM 141	44,000
SURPLUS TRENCH EXCAVATION (EARTH)	260
SURPLUS CHANNEL EXCAVATION (EARTH)	50
SURPLUS STRUCTURE EXCAVATION (EARTH) (PIPE & HDR.)	100
SUB-TOTAL	43,178
TOPSOIL REMOVED FOR USE AS HUMUS MATERIAL (EST.)	2,407
EARTH EXCAVATION FOR EARTH FILL	40,771
LEDGE EXCAVATION IN SECTIONS (SOLID)	4,306
BOULDER EXCAVATION IN SECTIONS	2,413
DRIVE AND APPROACH EXCAVATION (BOULDERS)	48
LEDGE OVERBREAKAGE (EST.)	418
LEDGE NOT COVERED BY SECTIONS (EST.)	500
TOTAL LEDGE EXCAVATION	7,685
LEDGE EXCAVATION FOR ESTIMATE, ITEM 143	8,000
SOLID LEDGE EXPANDED 20%	5,167
LEDGE OVERBREAKAGE (EST.)	418
BOULDER LEDGE, ETC.	2,961
SURPLUS TRENCH EXCAVATION (LEDGE)	268
SURPLUS CHANNEL EXCAVATION (LEDGE)	50
SURPLUS STRUCTURE ECAVATION (LEDGE)	242
LEDGE FOR FILL	3,106
SECTIONS FILL	45,336
TOPSOIL REPLACEMENT (EST.)	1,070
FILL FOR BERMS	100
DRIVE AND APPROACH FILL	564
TOTAL FILL	47,070
LEDGE FOR FILL	3,106
EARTH FILL BEFORE EXPANSION	37,364
SHRINKAGE FACTOR 20%	
EXPANDED EARTH FILL	47,455
EARTH FOR FILL	40,771
TOTAL EARTH BORROW	6,684
EARTH BORROW FOR ESTIMATE, ITEM 185.1	10,000

LANDSCAPING AND SLOPE PROTECTION

ITEM NO.	151	764	782.2	786.1	786.9	787.23
ITEM	EARTH TRENCH EXCAV. R CLASS A	CURB BOARD INCLUD. ASPHALT FILLET	REHAND. HUMUS MATERIAL	MULCH	SEED FOR EROSION CONTROL	SEEDING WITH SEED FOR EROS. CONTROL TYPE 13
UNIT	CU. YD.	LIN. FT.	CU. YD.	TON	LB.	1000 S.F.
LOCATION						
LANDSCAPING			1690			
SLOPE PROTECTION		300		25	625	35.000
BERM DITCHES	250					
ABANDONED ROAD SURFACE			60	1	25	
TOTAL	*250	300	1750	26	650	35.000

*TO DRAINAGE SUMMARY

PROJ. NO.	SHEET NO.	TOTAL SHTS
SAR 1697	3	92

NOTE BOOKS — BOOK NO. / PAGE NO.

DESCRIPTION — AFTER PROPOSAL — STATION — REVISIONS — DATE — STATION

COMPILED BY N.L. FARETRA DATE 1-25-67
CHECKED BY E.B. CHRISTENSEN DATE 2-1-67
INKED BY DATE
CHECKED BY DATE

1M 4-15-59 891 VELLUM MODERN BLUE PRINT CO., BOSTON, MASS.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.	SAR 1697		4	92

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	151 EARTH TRENCH EXCAV. R CLASS A	154 LEDGE TRENCH EXCAV. R	161 EARTH CHANNEL EXCAV.	162 LEDGE CHANNEL EXCAV.	171 EARTH STRUCT. EXCAV.	172 LEDGE STRUCT. EXCAV.	214 GRAVEL FOR SPECIAL PURP.	322 CONCRETE CLASS A	374 MORTAR RUBBLE MASONRY	STD. NO.	385 STONE FILL	391.1 STRUCT. PLATE PIPE 90"	391.2 STRUCT. PLATE PIPE 144"	490.12 LAYING 12 IN. R.C. PIPE INCLUD. SPEC. EXCAV.	490.15 LAYING 15 IN. R.C. PIPE INCLUD. SPEC. EXCAV.	490.18 LAYING 18 IN. R.C. PIPE INCLUD. SPEC. EXCAV.	571.12 12 IN. PIPE FOR SLOPE DRAINAGE INCLUD. SPEC. EXCAV.	629.15 LAYING 15 IN. R.C. PIPE UND. INCLUD. SPEC. EXC. AND BACKFILL	650.01 CATCH BASINS TYPE A	651.11 DROP INLETS TYPE D-A	REMARKS
UNIT	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.		CU. YD.	UNIT	UNIT	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EA. ACT.	EA. EST.	EA.	
LOCATION																						
18+00															36				2	2		
18+02 - 22+00 LT.	1								0.66	UL-4								398				
21+50 RT.														60								UNDER APPROACH
23+50	104	104	10	10			191	20.32			69	1										CONST. INLET & OUTLET DITCHES
25+75 ± RT.																	40				1	
25+70 ± - 27+98 RT.		89					16		0.66	UL-4								228				
28+00		65					10								42				2	2		
34+00	8															92						CONST. INLET & OUTLET DITCHES
37+50 LT. - 37+70 RT.															74				1	1		
40+35	10															80						CONST. INLET & OUTLET DITCHES
46+00															40				2	2		
46+02 - 47+50 ± RT.	1								0.66	UL-4								150				
49+25			90	90	100	242	280	15.70			156		1									CONST. INLET & OUTLET DITCHES
51+50	2										8					116						CONST. INLET DITCH
56+00	2															85						CONST. INLET DITCH
60+75	36															102						CONST. INLET & OUTLET DITCHES
63+00	15															98						CONST. INLET & OUTLET DITCHES
63+40	2																					REMOVE EXIST. CMP.
66+50 ± RT.																				1		CONST. OUTLET DITCH, ROWY. EXCAV.
68+50															64				1	1		
68+75	2	1																				REMOVE EXIST. O.S.B.
SLOPE PROTECTION - BERM DITCHES	250																					
BOULDERS EST. IN EARTH TR. EXCAV.		10																				
SUB TOTAL	433	269	100	100	100	242	497	36.02	1.98		233	1	1	60	256	573	40	776	8	8	1	
ESTIMATED	17	31	10	10	50	18	3	3.98	1.02		17	—	—	4	19	27	10	49	1	—	1	
TOTAL	450	300	110	110	150	260	500	40.00	3.00		250	1	1	64	275	600	50	825	9		2	

STANDARD SHEETS

STANDARD No.	1	NEW SHEET	JUNE 16, 1961
STANDARD No.	1-A	NEW SHEET	MAY 20, 1963
STANDARD No.	2	REVISED	AUG. 2, 1966
STANDARD No.	3	REVISED	MAR. 22, 1966
STANDARD No.	3-A	REVISED	JUNE 2, 1966
STANDARD No.	4	REVISED	FEB. 14, 1964
STANDARD No.	5	REVISED	MAR. 22, 1966
STANDARD No.	6	REVISED	JUNE 2, 1966
STANDARD No.	7	REVISED	MAR. 22, 1966
STANDARD No.	8	REVISED	JULY 6, 1960
STANDARD No.	9	REVISED	MAR. 22, 1966
STANDARD No.	10	REVISED	MAR. 22, 1966
STANDARD No.	11	REVISED	JUNE 2, 1966
STANDARD No.	12	REVISED	NOV. 21, 1966
STANDARD No.	13	REVISED	MAR. 10, 1965
STANDARD No.	14	NEW SHEET	MAR. 22, 1966

CONSTRUCTION SIGN STANDARD SHEETS

STANDARD No.	CS-1	REVISED	APR. 5, 1963
STANDARD No.	CS-2	NEW SHEET	JUNE 1, 1962
STANDARD No.	CS-3	REVISED	JAN. 23, 1967
STANDARD No.	CS-4	REVISED	OCT. 25, 1962

STATE FURNISHED MATERIAL

ITEM REINFORCED CONCRETE PIPE

	12"	15"	18"
UNIT	LIN. FT.	LIN. FT.	LIN. FT.
TOTAL	64	1,100	600

CONSTRUCTION SIGNS

(TO BE FURNISHED BY STATE FORCES)

CODE	NUMBER REQ.
W-20-1d	2
G-20-1	2
G-20-2	2
W-11-1	4
R-300-S	2
W-20-7	2
D-100	24

INCIDENTAL ITEMS

ITEM No.	ITEM	UNIT	TOTAL
189	FINE GRADING	UNIT	1
491.04	4 IN. PIPE SLEEVE INCLUD. SPEC. EXCAV.	LIN. FT.	50
510.1	CRYSTAL REFLECTOR DELINEATORS	EA.	85
765.1	STOCK WIRE LINE FENCE	LIN. FT.	2,000
765.2	STOCK WIRE FENCE BRACE PANELS	LIN. FT.	100
765.3	STOCK WIRE FENCE GATES	LIN. FT.	2
765.6	TWISTED BARBLESS WIRE LINE FENCE	LIN. FT.	19,000
775.1	STEEL WITNESS MARKERS	EACH	20
811.1	PROJECT MARKERS	EACH	2
812	CONCRETE BOUNDS	EACH	30
821	UNIFORMED OFFICERS	HOUR	500
824.5	MAINTENANCE OF TRAFFIC & DUST LAYING	UNIT	1
827.1	WATER FOR COMPACTION	UNIT	1
829	FIELD OFFICES	EACH	1

NOTE BOOKS

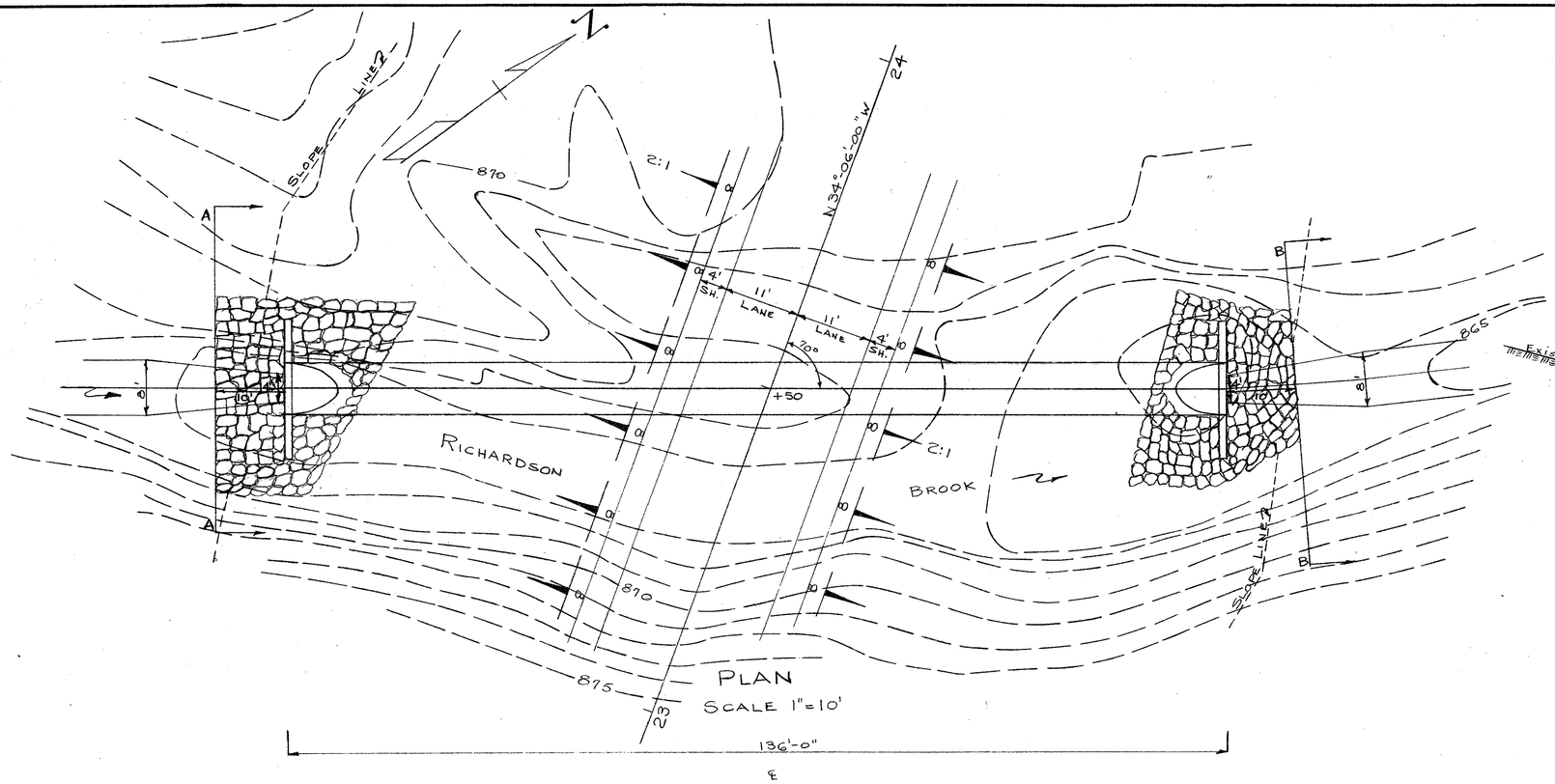
BOOK NO.	PAGE NO.

COMPILED BY N.L. FARETRA DATE 1-23-67
CHECKED BY E.B. CHRISTENSEN DATE 2-1-67
INKED BY DATE
CHECKED BY DATE

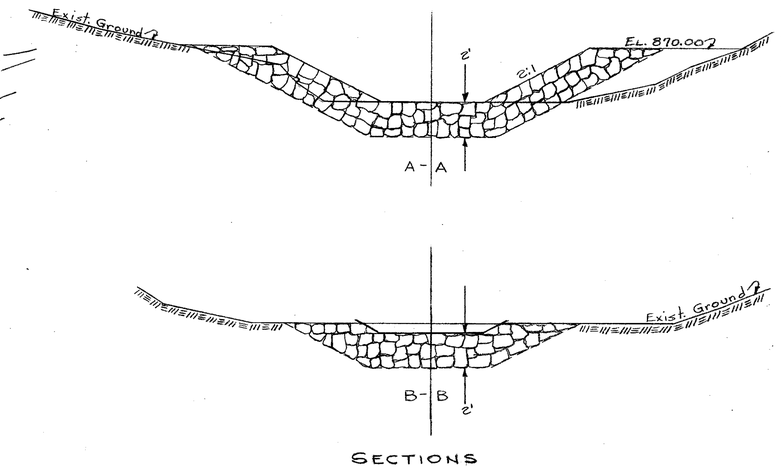
PROJ. NO.	SHEET NO.	TOTAL SHTS.
SAR 1697	4	92

1M 4-15-58 551 VELLUM MODERN BLUE PRINT CO., BOSTON, MASS.

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	5	92

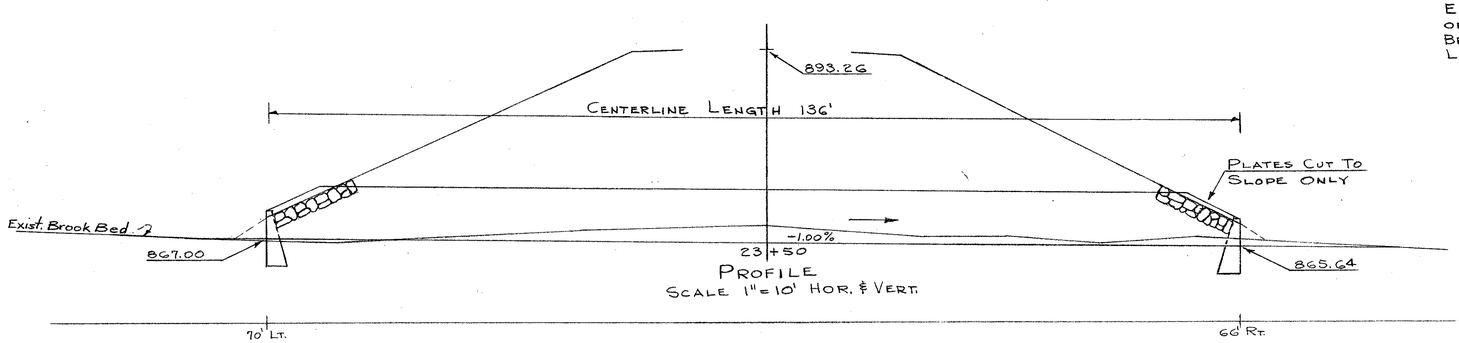


PLAN
SCALE 1"=10'



SECTIONS
SCALE 1/4"=1'-0"

NOTE:
EMBANKMENTS PLACED OVER THE TOP OF THE STRUCTURAL PLATE PIPE SHALL BE FREE OF BOULDERS AND EXCAVATED LEDGE.

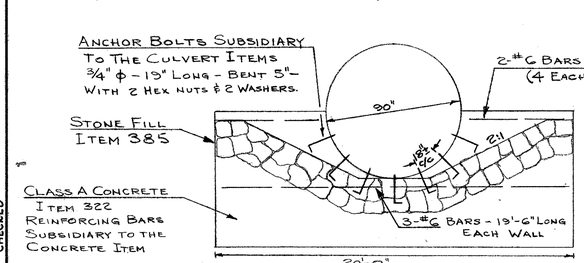


PROFILE
SCALE 1"=10' HOR. & VERT.

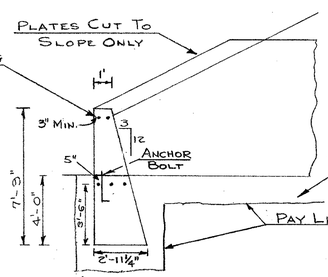
STA. 23+50
90" STRUCTURAL PLATE PIPE

ITEM No.	DESCRIPTION	UNIT	QUANTITY
151	EARTH TRENCH EXCAV. R, CLASS A	C.Y.	104
154	LEDGE TRENCH EXCAV. R	C.Y.	104
161	EARTH CHANNEL EXCAV.	C.Y.	10
162	LEDGE CHANNEL EXCAV.	C.Y.	10
214	GRAVEL FOR SPECIAL PURPOSES	C.Y.	191
322	CONCRETE CLASS A	C.Y.	20.32
385	STONE FILL	C.Y.	69
391.1	STRUCTURAL PLATE PIPE, 90"	U	1

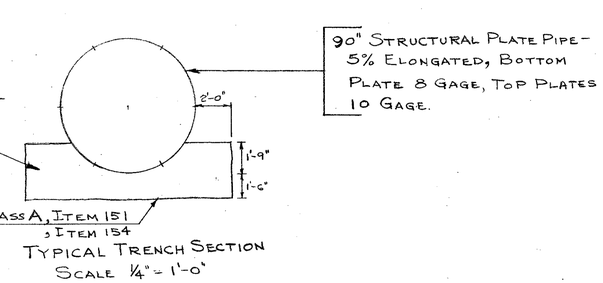
ALL ABOVE QUAN. CARRIED OVER TO DRAINAGE SUMMARY



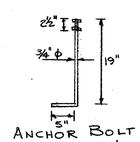
END ELEVATION



CONCRETE HEADWALL
SCALE 1/4" = 1'-0"



TYPICAL TRENCH SECTION
SCALE 1/4" = 1'-0"



ANCHOR BOLT
SCALE 3/4" = 1'

RICHARDSON BROOK
STA. 23+50

PROJ. NO.	SHEET NO.	TOTAL SHEETS
S.A.R. 1697	5	92

1500 1-86

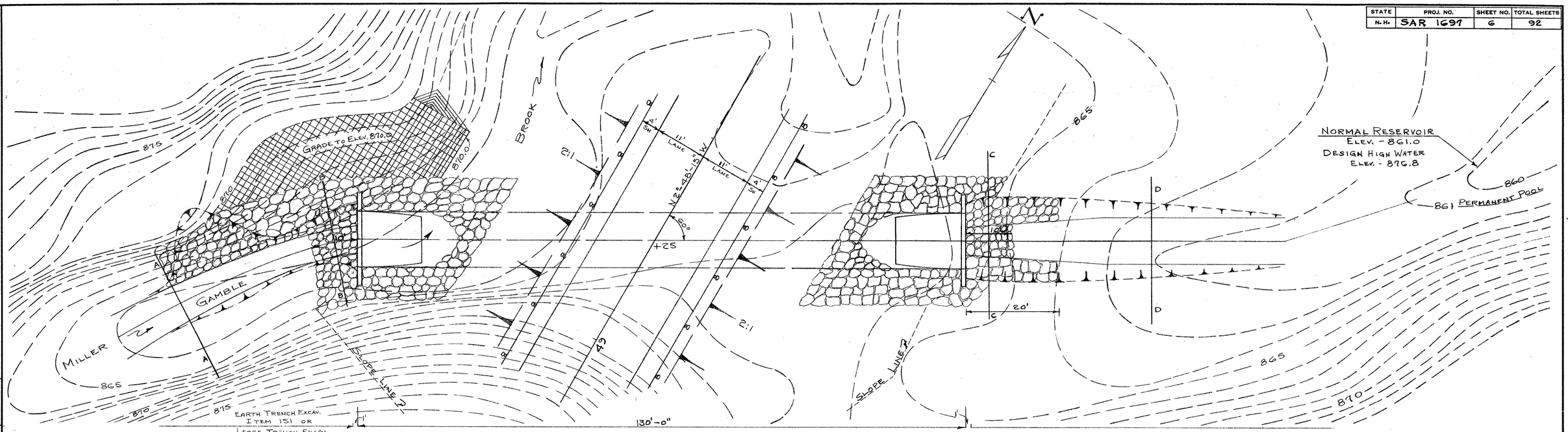
REVISIONS AFTER PROPOSAL				
NO.	DATE	STATION	STATION	DESCRIPTION

(USE BOTTOM LINES FIRST)

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

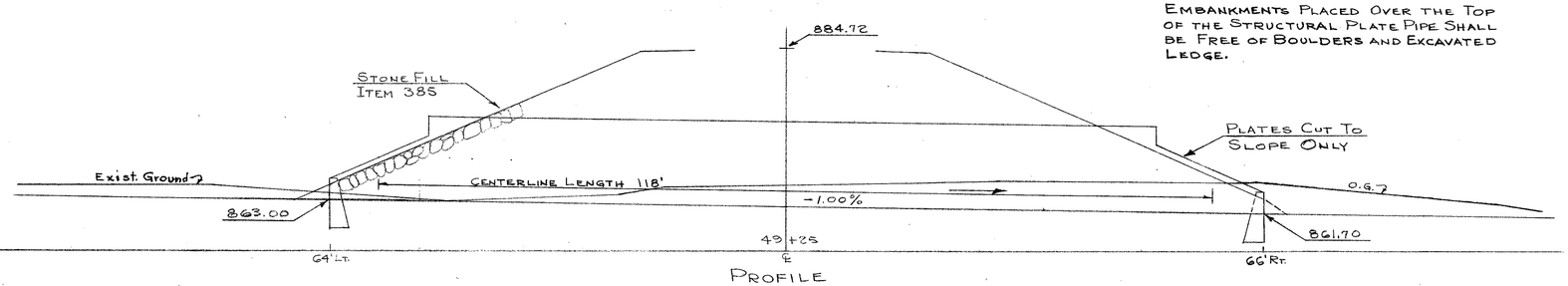
		DATE
PLAN DRAWN	N.L. FARETRA	DATE 1-13-67
PLAN CHECKED		" 1-16-67
PROFILE TRACED		" "
PROFILE CHECKED		" "
INKED		" "
CHECKED		" "

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	6	92



PLAN
SCALE 1"=10'

NOTE:
EMBANKMENTS PLACED OVER THE TOP OF THE STRUCTURAL PLATE PIPE SHALL BE FREE OF BOULDERS AND EXCAVATED LEDGE.

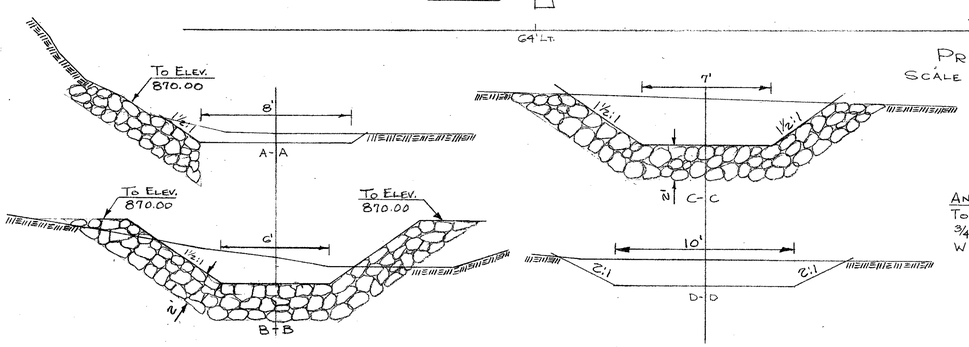


PROFILE
SCALE 1"=10' HOR. & VERT.

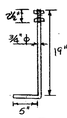
STA. 49+25
144" STRUCTURAL PLATE PIPE

ITEM No.	DESCRIPTION	UNIT	QUANTITY
161	EARTH CHANNEL EXCAV.	C.Y.	90
162	LEDGE CHANNEL EXCAV.	C.Y.	90
171	EARTH STRUCTURE EXCAV.	C.Y.	100
172	LEDGE STRUCTURE EXCAV.	C.Y.	242
214	GRAVEL FOR SPECIAL PURPOSES	C.Y.	214
322	CONCRETE CLASS A	C.Y.	15.10
385	STONE FILL	C.Y.	156
391.2	STRUCTURAL PLATE PIPE, 144"	U	1

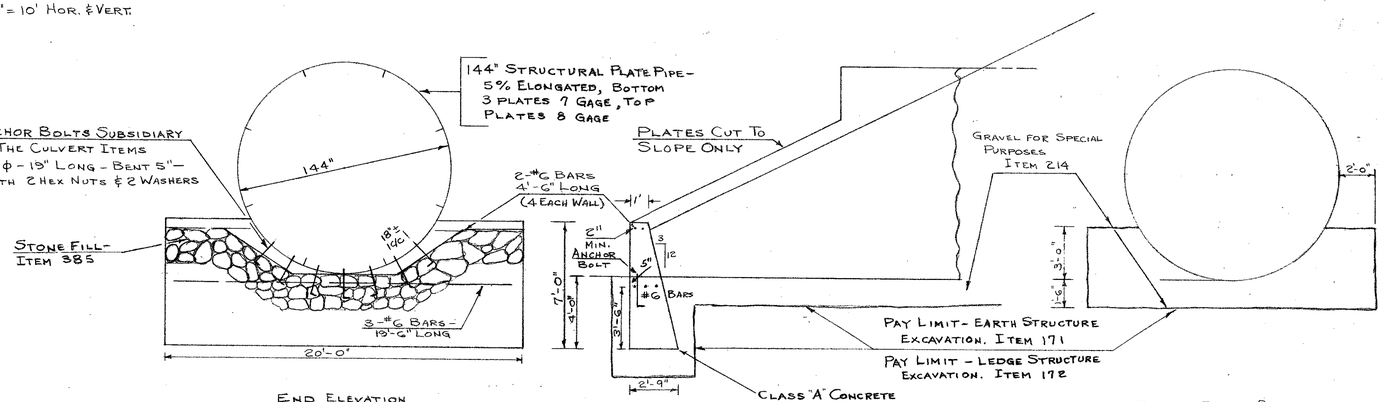
ALL ABOVE QUAN. CARRIED OVER TO DRAINAGE SUMMARY



SECTIONS
SCALE ¼" = 1'



ANCHOR BOLT
SCALE ¾" = 1'



CONCRETE HEADWALL
SCALE ¼" = 1'-0"

TYPICAL TRENCH SECTION
SCALE ¼" = 1'-0"

MILLER-GAMBLE BROOK
STA. 49+25

NO.	DATE	STATION	STATION	DESCRIPTION

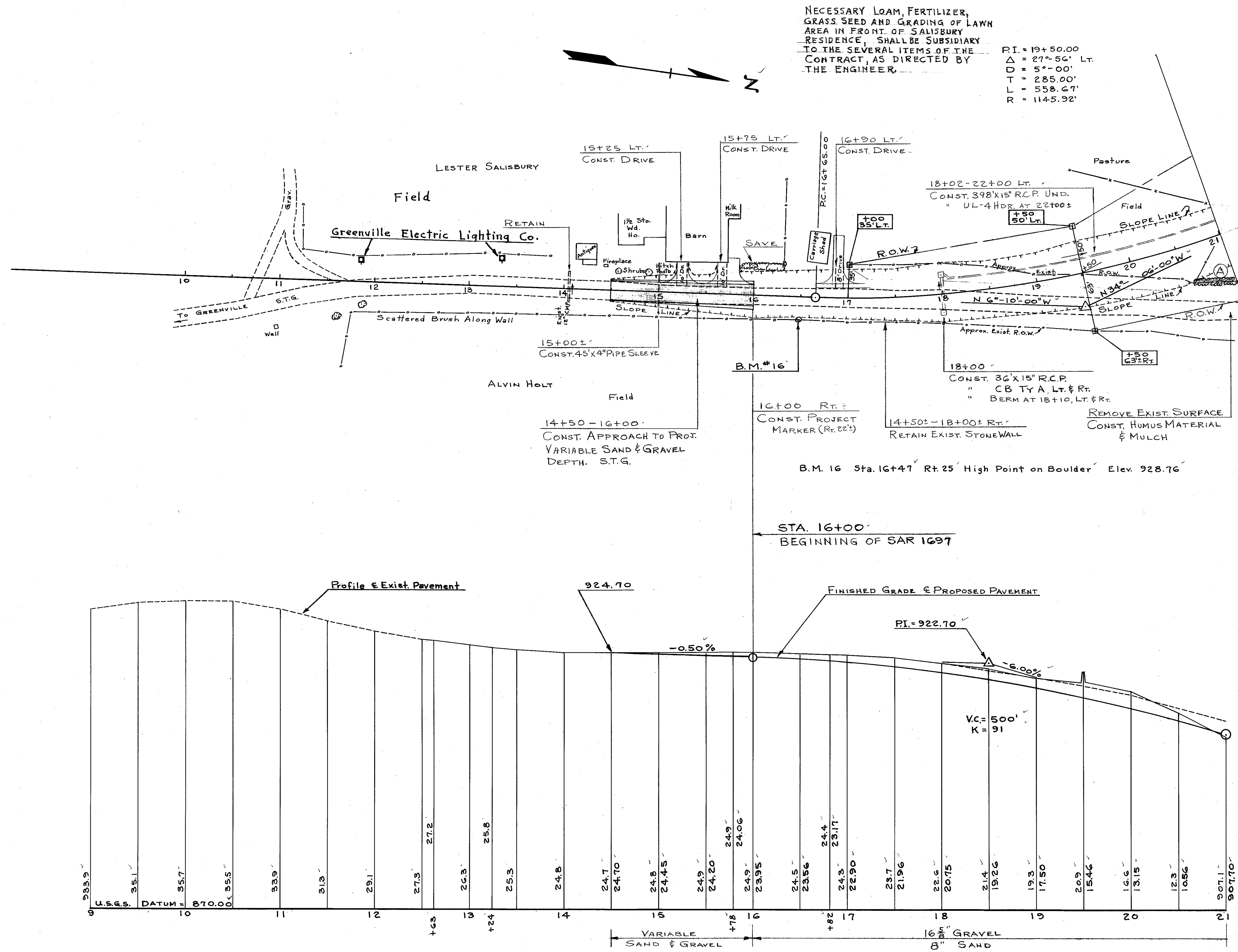
NOTEBOOKS

PLAN CHECKED		BOOK NO.	PAGE NO.
PROFILE TRACED			
PROFILE CHECKED			
INKED			
CHECKED		DATE	BOOK NO.

1500 1-86

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	6	92

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	7	92



PLAN TRACED	N. L. FARETRA	DATE 10-28-66	
PLAN CHECKED	E. B. Christensen	" 12-30-66	
PROFILE TRACED	N. L. FARETRA	" 2-1-67	
PROFILE CHECKED	E. B. C.	" 1-3-67	
INKED			
CHECKED		DATE	

NOTEBOOKS

BOOK NO.	PAGE NO.
" " 9105	" " 2-32, 44-49
8893	3-67

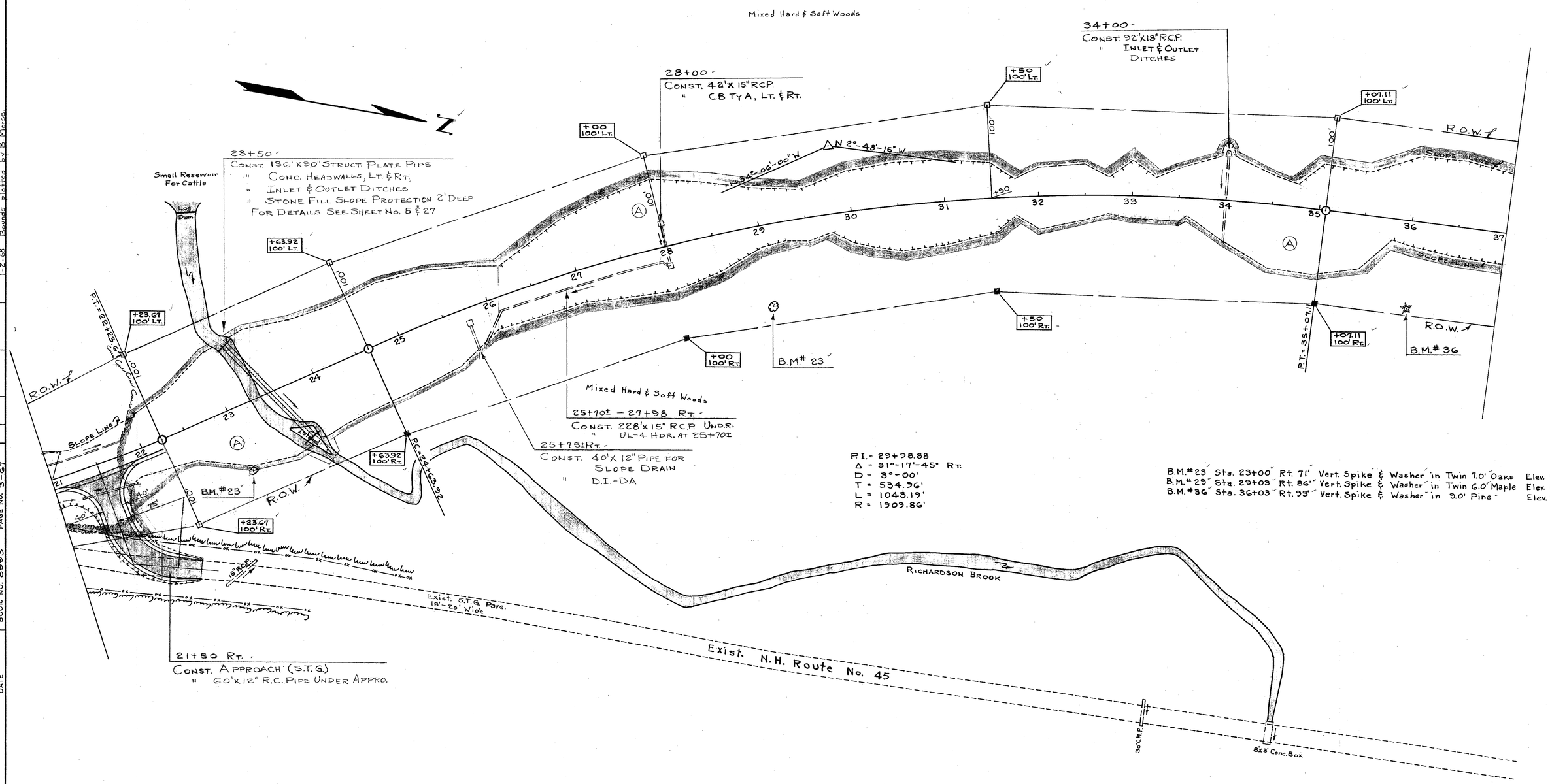
REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

NO.	DATE	STATION	STATION	DESCRIPTION
	1-2-68			Bounds plotted by B. Morse

1500 1-66

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	7	92

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	8	92



(USE BOTTOM LINES FIRST)

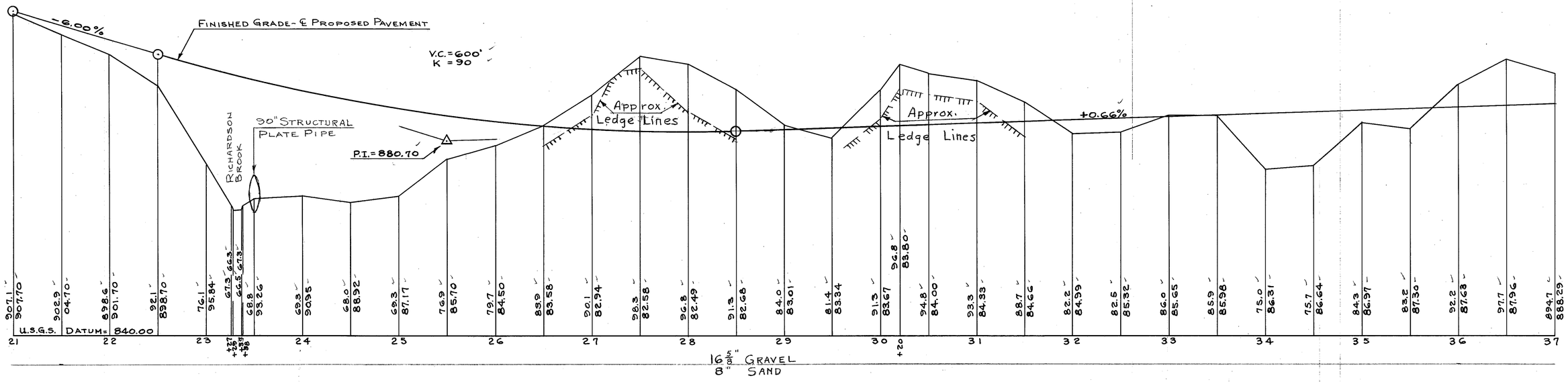
REVISIONS					
NO.	DATE	STATION	STATION	DATE	DESCRIPTION
					1-2-68 Bounds plotted by B. Morse.

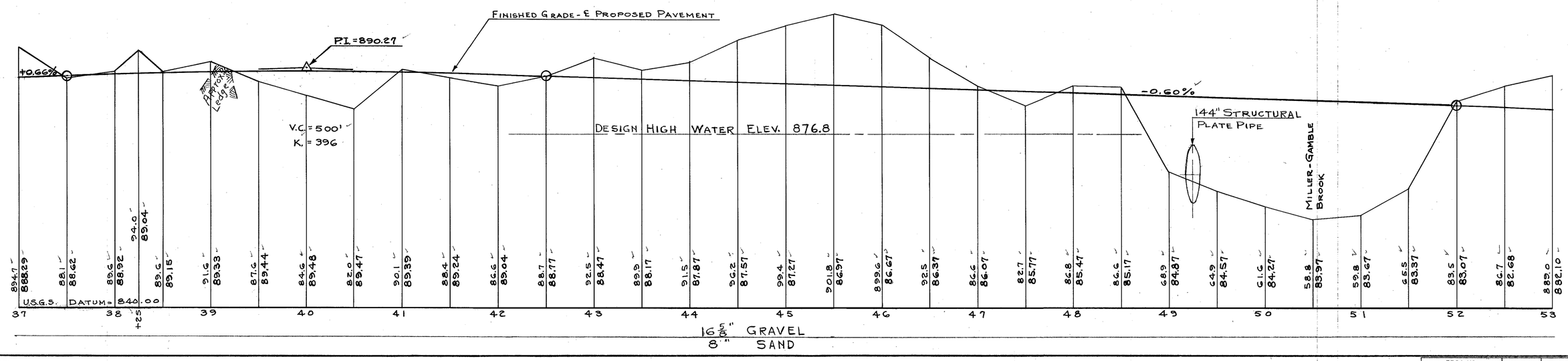
NOTEBOOKS			
	BOOK NO.	PAGE NO.	
	"	"	
	"	"	
	"	"	9105
	BOOK NO. 8993	PAGE NO. 3-67	

		DATE
PLAN TRACED	N.L. FARETRA	10-31-66
PLAN CHECKED	E.B. Christensen	12-30-66
PROFILE TRACED		
PROFILE CHECKED		
INKED		
CHECKED		

1500 1-66

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	9	92





PLAN TRACED		DATE	
PLAN CHECKED			
PROFILE TRACED	N.L. FARETRA		11-2-66
PROFILE CHECKED	E.B.C.		1-3-67
INKED			
CHECKED			

NOTEBOOKS

	BOOK NO.	PAGE NO.
	9105	2-33
	8993	3-67

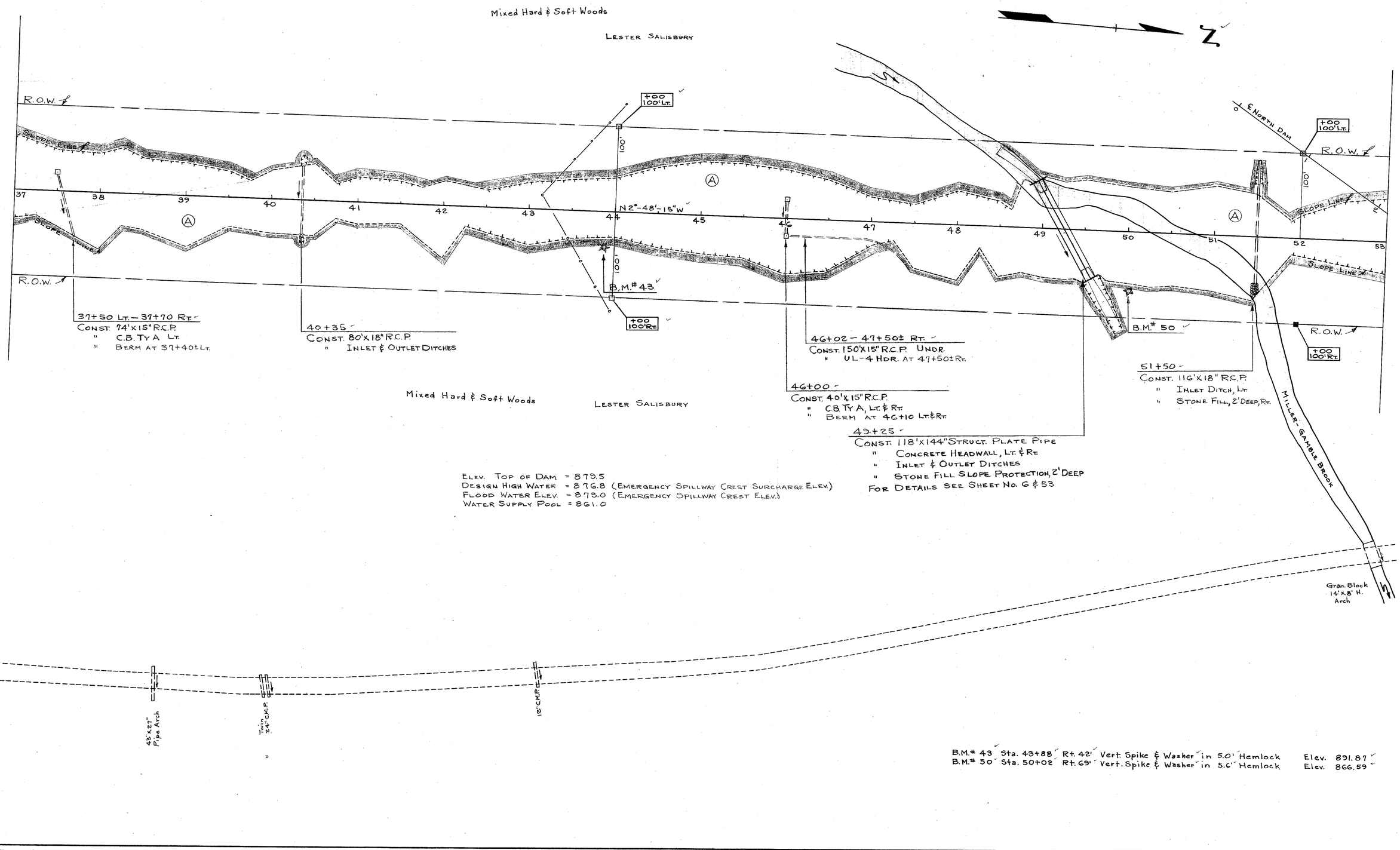
NO.	DATE	STATION	STATION	DESCRIPTION

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

1500 1-66

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	9	92

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	10	92



ELEV. TOP OF DAM = 879.5
DESIGN HIGH WATER = 876.8 (EMERGENCY SPILLWAY CREST SURCHARGE ELEV.)
FLOOD WATER ELEV. = 873.0 (EMERGENCY SPILLWAY CREST ELEV.)
WATER SUPPLY POOL = 861.0

B.M.# 43 Sta. 43+88 Rt. 42' Vert. Spike & Washer in 5.0" Hemlock Elev. 891.87
B.M.# 50 Sta. 50+02 Rt. 69' Vert. Spike & Washer in 5.6" Hemlock Elev. 866.59

NO.	DATE	STATION	STATION	DESCRIPTION
				1-2-68 Bounds plotted by B. Morse

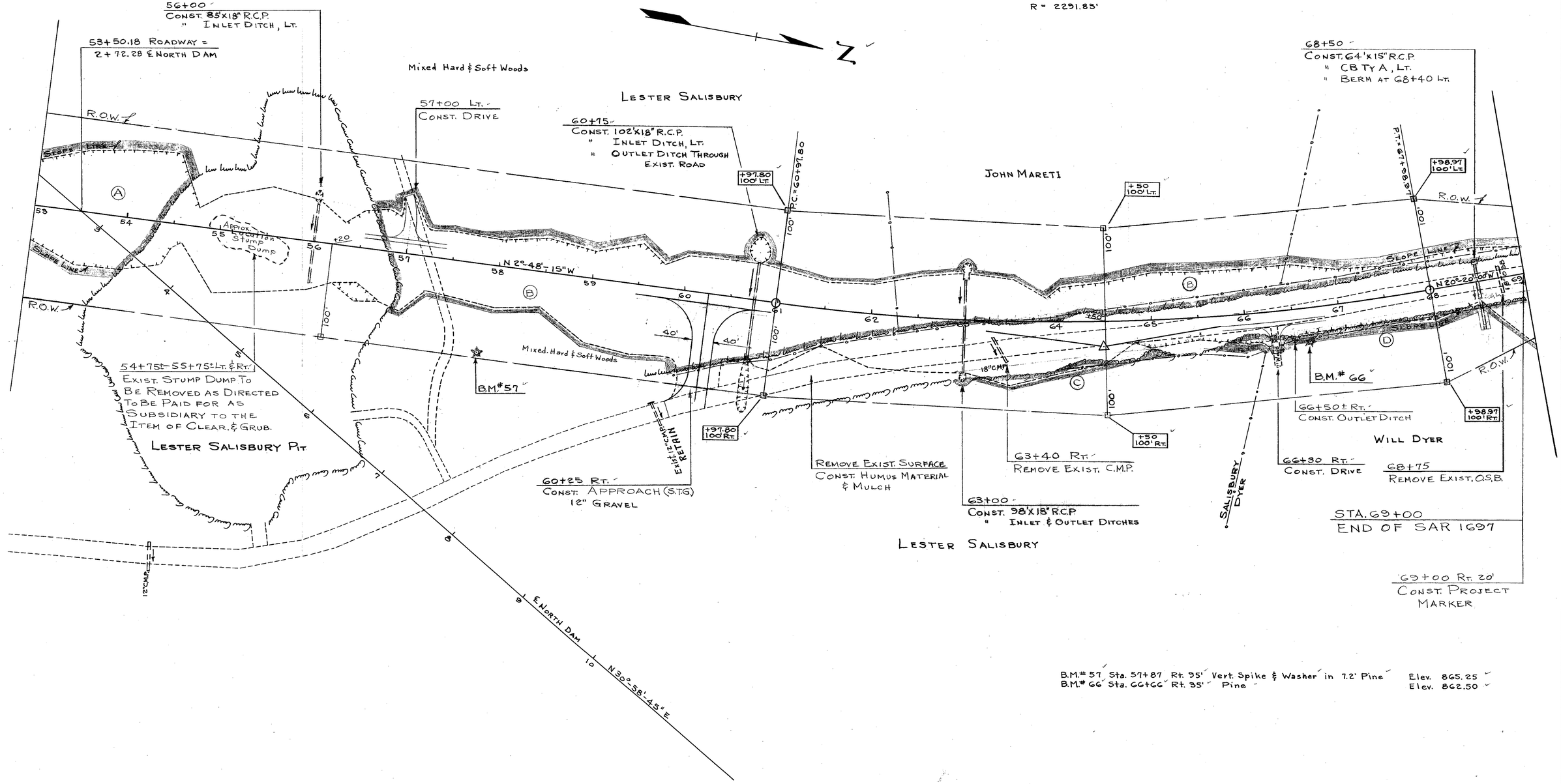
REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

NOTEBOOKS	BOOK NO.	PAGE NO.
	"	"
	"	"
	"	9105
	"	4252
	BOOK NO. 8993	PAGE NO. 3-67

		DATE
PLAN TRACED	N.L. FARETRA	10-31-66
PLAN CHECKED	E.B. Christensen	" 12-30-66
PROFILE TRACED		"
PROFILE CHECKED		"
INKED		"
CHECKED		DATE

1500 1-66

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	11	92



B.M.# 57 Sta. 57+87 Rt. 95' Vert. Spike & Washer in 7.2' Pine Elev. 865.25
B.M.# 66 Sta. 66+66 Rt. 35' Pine Elev. 862.50

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)				
NO.	DATE	STATION	STATION	DESCRIPTION
				1-2-68 Bounds plotted by B. Morse

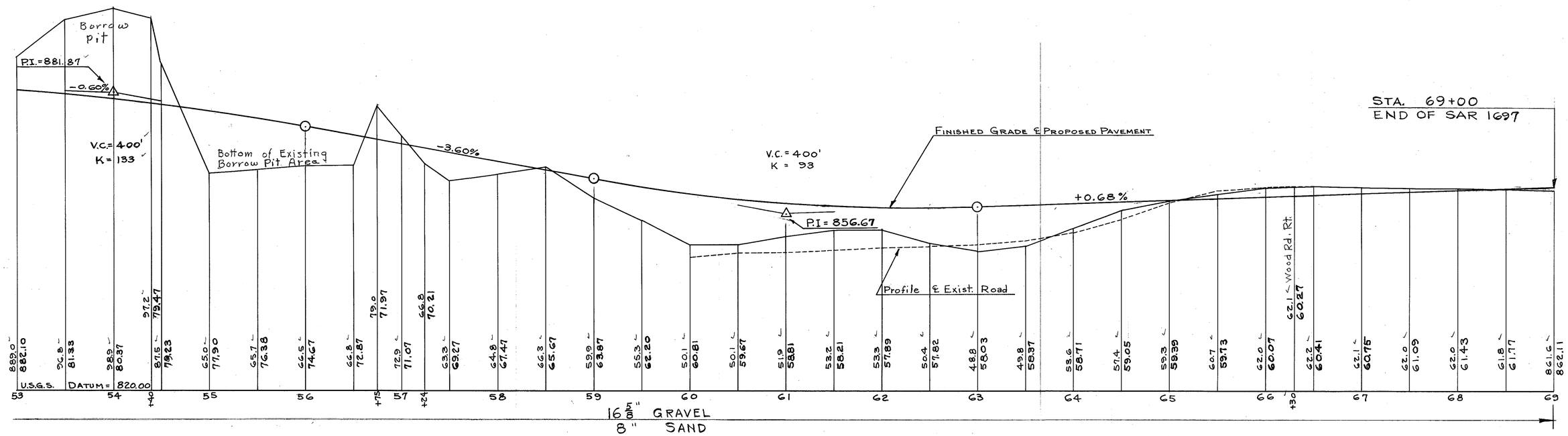
NOTEBOOKS			
BOOK NO.	PAGE NO.		
" "	" "		
" "	9105	" "	2-2-69
BOOK NO. 8953	PAGE NO. 3-67		

		DATE 10-31-66
PLAN TRACED	N.L. Faretra	
PLAN CHECKED	E.B. Christensen	" 12-30-66
PROFILE TRACED		"
PROFILE CHECKED		"
INKED		"
CHECKED		DATE

1500 1-66

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	11	92

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	SAR 1697	12	92



NO.	DATE	STATION	STATION	DESCRIPTION

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

	DATE	NOTEBOOKS	
PLAN TRACED	"	BOOK NO.	PAGE NO.
PLAN CHECKED	"	" "	" "
PROFILE TRACED	" 11-3-66	BOOK NO.	PAGE NO.
PROFILE CHECKED	" 1-3-67	" " 9105	" " 22-32 24-49
INDXED	"		
CHECKED	DATE	BOOK NO. 8993	PAGE NO. 3-67

1500 1-66

PROJ. NO.	SHEET NO.	TOTAL SHEETS
SAR 1697	12	92

STATE
PROJ. NO.
SHEET NO.
N.H.
SAP
Hard & Softwoods
JOHN MARETI
R.O.W.
+50 36' Rt. LT.
N.20°-20'-00"W
+50
69
70
+50 23' Rt.
R.O.W.
12" R.C.P.
TEMPLE
Hard & Soft Woods
WILL DYER
69+00 - 70+50
CONST. APPROACH TO PROJECT
VARIABLE SAND & GRAVEL
DEPTH. (S.T.G.)
FINISHED GRADE - ℄ PROPOSED APPROACH
Profile - ℄ Exist. Road
863.13
+0.68%
861.6
862.11
61.1
62.45
62.7
62.79
63.1
863.13
62.3
63.5
63.8
64.3
865.2
U.S.G.S. DATUM = 820.00
69
70
71
72
73
VARIABLE
SAND & GRAVEL
REVISIONS AFTER PROPOSAL
NO.
DATE
STATION
DESCRIPTION
1-1-68
Bounds plotted by B. Morse
(USE BOTTOM LINES FIRST)
NOTEBOOKS
BOOK NO.
PAGE NO.
9105
8993
PROFILE TRACED N.L. FARETRA
PROFILE CHECKED E.B.C.
INKED
CHECKED
DATE
12-30-66
11-3-66
1-3-67
1500 1-68