FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.
1	N.H.			1

[redacted]

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE			
2-3	TYPICAL SECTIONS OF IMPROVEMENT			
4-6	SUMMARY			
7-12	BRIDGE SHEETS			
13-19	PLAN & PROFILE			
20	DETAIL SHEET			
21-143	CROSS SECTIONS			
144-157	CROSS SECTIONS (LESTER ROAD)			
158	STANDARD SHEET	NO. 1	REVISED	JUNE 12, 1951
159	" "	NO. 2	"	DEC. 22 1954
160	" "	NO. 3	"	DEC. 22 1954
161	" "	NO. 4	"	DEC. 22 1954
162	" "	NO. 5	"	DEC. 22 1954
163	" "	NO. 6	"	DEC. 22, 1954

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

PLANS OF PROPOSED

LS 1867 (1)

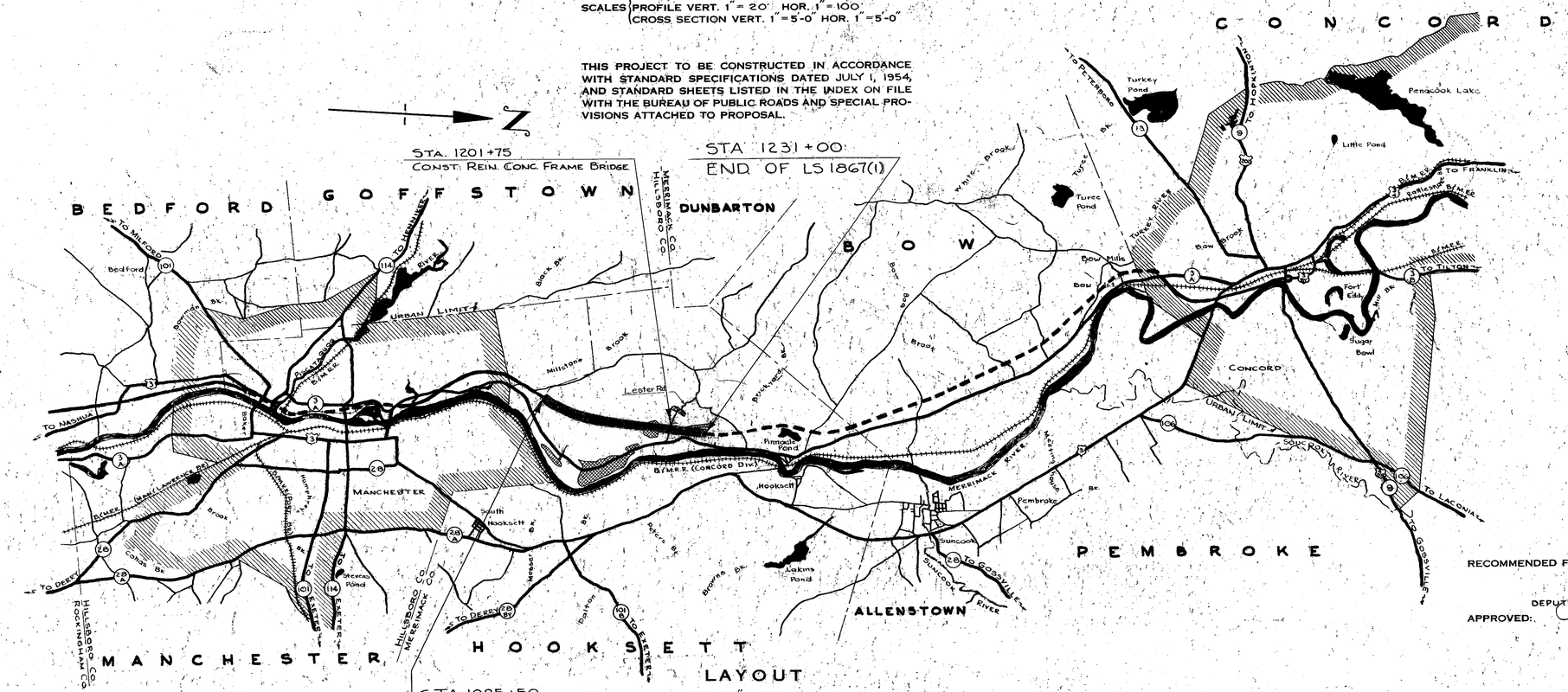
P-2650-Z

F.E. EVERETT TURNPIKE

DESIGN DATA	
AVE. DAILY TRAFFIC 1954	—
AVE. DAILY TRAFFIC 1973 (EST.)	6800
TRAFFIC CLASSIFICATION	M
DESIGN SPEED	70 MPH
MAXIMUM CURVATURE	2°
" GRADIENT	2.16%
HEADLIGHT SIGHT DISTANCE (MIN.)	720
LENGTH OF PROJECT	2.756 MILES

SCALES
PLAN 1" = 100'
PROFILE VERT. 1" = 20' HOR. 1" = 100'
CROSS SECTION VERT. 1" = 5'-0" HOR. 1" = 5'-0"

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS DATED JULY 1, 1954, AND STANDARD SHEETS LISTED IN THE INDEX ON FILE WITH THE BUREAU OF PUBLIC ROADS AND SPECIAL PROVISIONS ATTACHED TO PROPOSAL.



STA. 1085+50
END OF LS 1866(1)
(NOW UNDER CONSTRUCTION)

STA. 1085+50
BEG. OF LS 1867(1)

LAYOUT
SCALE 1" = ONE MILE

RECOMMENDED FOR APPROVAL: DATE JUNE 14, 1955
John O. Morton
DEPUTY COMMISSIONER AND CHIEF ENGINEER

APPROVED:
Frank D. Merrill
COMMISSIONER

CONVENTIONAL SIGNS

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

TOWN OF HOOKSETT

COUNTY OF MERRIMACK

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:

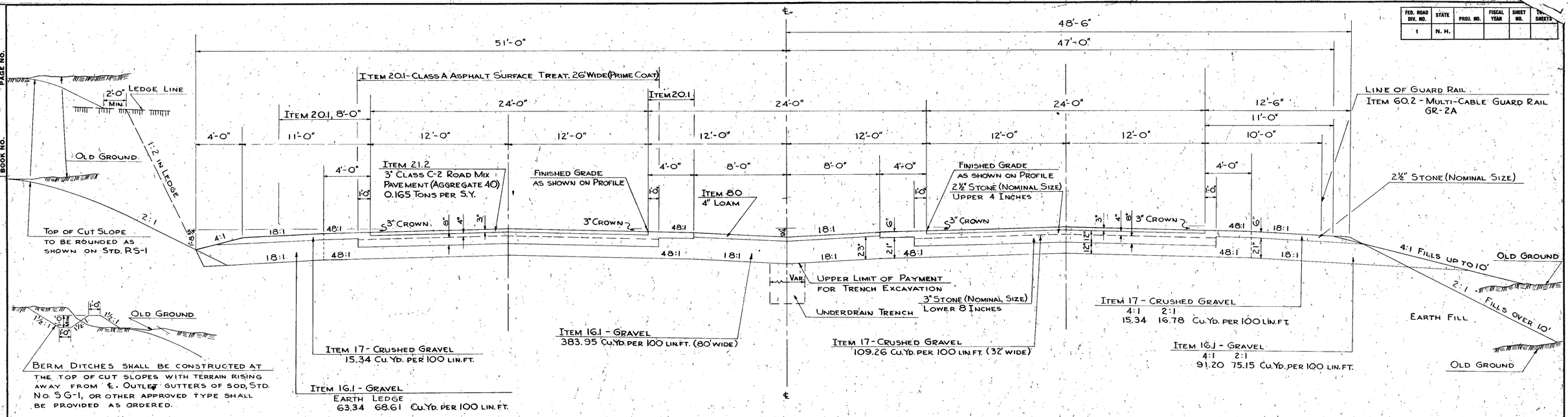
DISTRICT ENGINEER DATE

DRAWN BY	T. MINICHIELLO	DATE	7-24-53
CHECKED BY	H. BURT	DATE	6-8-55

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	1	163

200-8-50 Eugene Dietzgen Co., New York, N. Y.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				



TYPICAL SECTION OF IMPROVEMENT

SCALE ~ ¼" = 1'-0"

CLASS C-2 ROAD MIX PAVEMENT (AGGREGATE 40)

For Location of All Details see Sheets 4, 5 & 6

Dimensions and details not specifically indicated are similar to opposite side of Median ℄.

GENERAL NOTES

Topsoil shall be removed as ordered, for its total depth, where encountered four feet or less from finished grade.

All slopes immediately adjacent to buildings shall be improved as shown on Std. No. IS-1; other slopes (cut and fill) shall be mulched as ordered by the Engineer.

On abandoned sections of roadway, the old road surface shall be removed, as ordered, by the Engineer.

Muck shall be removed by excavation under Item 5.1 or by displacement, or as ordered by the Engineer.

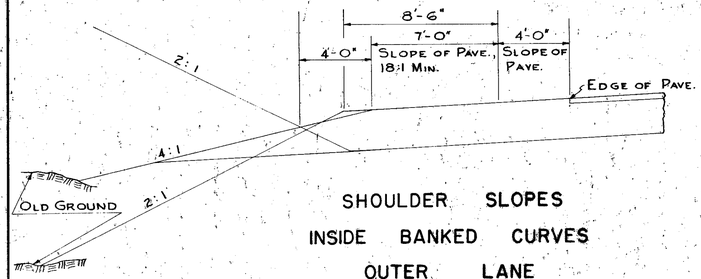
Adjustments of utility covers, shutoffs, or similar structures to the new pavement grade and the moving of utility poles will be done by the owner or his authorized representative, not a part of this contract. The Contractor shall cooperate with the owner in every way to expedite such adjustments.

The Contractor's attention is called to Sub-division 2.04 of the Standard Specifications, Interpretation of Approximate Estimate of Quantities. Attention is further called to the word Ledge or the symbol for Ledge which, wherever used on these plans, shall be interpreted to mean an indication only of Ledge.

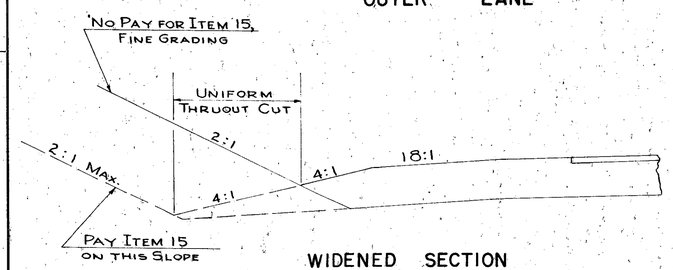
Item 20.1 Class A Asphalt Surface Treatment, 26' wide as a prime coat on the foundation course, or as surface treatment on the shoulders, 1.25 gallons per sq. yd. or as ordered, to be applied in three applications of 0.50, 0.25 and 0.50 gallons per sq. yd. respectively; the third application will be made only on order of the Construction Engineer.

Item 21.4, Asphalt Cutback for C-2 Pavement, 2.00 gallons per sq. yd. to be applied in four applications of 1.00, 0.65, 0.25 and 0.10 gallons per sq. yd. respectively, or as ordered.

No road mix pavement to be constructed until base is 100% completed.



SHOULDER SLOPES
INSIDE BANKED CURVES
OUTER LANE

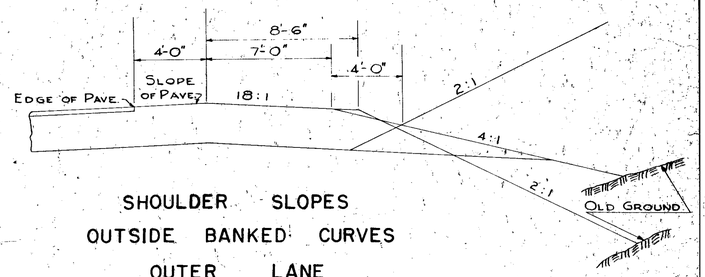


WIDENED SECTION
FOR BORROW

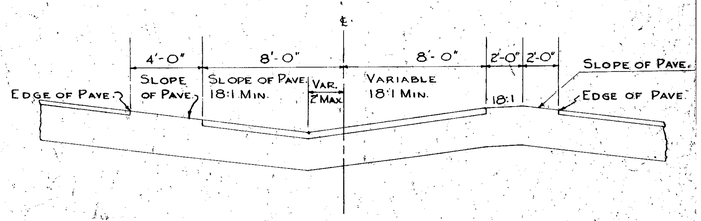
In so far as is practicable the Contractor shall secure borrow within the right of way by uniformly widening and flattening cut slopes at locations directed by the Engineer.

There is no assurance that all borrow necessary may be obtained in this manner.

Clearing and grubbing for the above shall be paid for under Item 1.



SHOULDER SLOPES
OUTSIDE BANKED CURVES
OUTER LANE



MEDIAN STRIP
AT
FULL BANKED SECTION

PROJ. NO.	SHEET NO.	TOTAL SHEETS
IS 1067(1)	2	162

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	MINICHIELLO	DATE 7-30-53
" CHECKED "		" 10-26-53
PROFILE TRACED BY	HUCKINS	
" CHECKED "		
INKED BY		
CHECKED BY		

1500-7-48 B.L.M. INC. ® "ARKWRIGHT" TRACING CLOTH

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

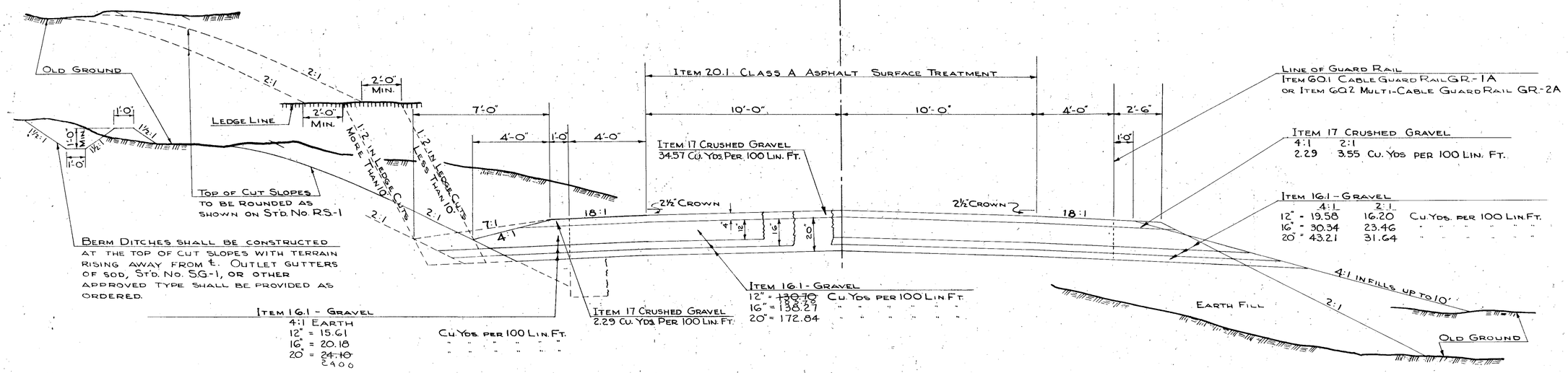
NOTE BOOKS (USE BOTTOM LINES FIRST)

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

REVISIONS ~~AFTER PROPOSAL~~

DATE	STA. TO STA.	DESCRIPTION
4-17-51		CHANGED SHOULDER SLOPES FROM 24:1 TO 18:1 & SHOULDER CONSTANTS TO CORRESPOND
6-20-51		MULCH NOTE REVISED
12-5-52		REVISED GENERAL NOTES
1-26-53		CLASS A BITUMINOUS - REMOVED
7-13-53		REVISED GENERAL NOTES
11-22-54		SUBDIVISION 2.03 TO 2.04

		DATE
PLAN TRACED BY	L.C. STEARNS	11-20-50
" CHECKED "	B.H. LANGLEY	" 11-21-50
PROFILE TRACED BY		
" CHECKED "		
INKED BY	B.C. STEARNS	12-1-50
CHECKED BY	E.B. CHRISTENSEN	2-8-51

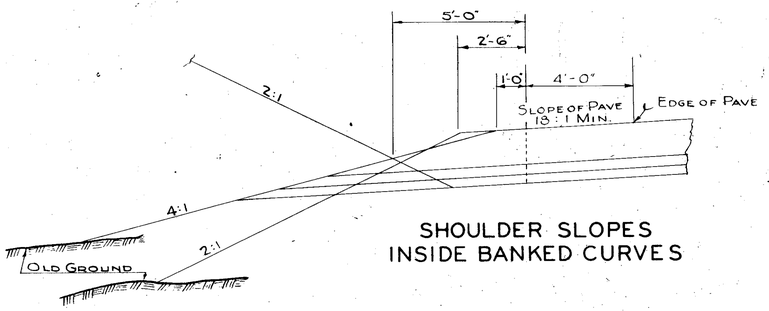


TYPICAL SECTION OF IMPROVEMENT

SURFACE TREATED GRAVEL

FOR LOCATION OF ALL DETAILS SEE SHEETS 4, 5 & 6

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



SHOULDER SLOPES
INSIDE BANKED CURVES

GENERAL NOTES

TOPSOIL SHALL BE REMOVED AS ORDERED, FOR ITS TOTAL DEPTH, WHERE ENCOUNTERED 4 FEET OR LESS FROM FINISHED GRADE.

ON ABANDONED SECTIONS OF ROADWAY, THE OLD ROAD SURFACE SHALL BE REMOVED, AS ORDERED BY THE ENGINEER.

~~NO BORROW SHALL BE PLACED UNTIL THE EXCAVATION IS COMPLETED, EXCEPT BY WRITTEN PERMISSION OF THE ENGINEER.~~

ALL EXISTING DRIVES TO BE RETAINED AND REGRADED AS REQUIRED, EXCEPT AS NOTED.

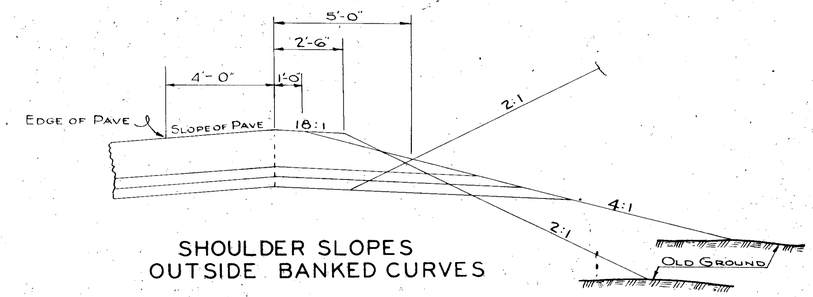
ALL SLOPES IMMEDIATELY ADJACENT TO BUILDINGS SHALL BE IMPROVED AS SHOWN ON STD. LS-1, OTHER SLOPES IN CUTS ~~WITH A SLOPE MEASUREMENT GREATER THAN (16) SIXTEEN FEET~~ SHALL BE MULCHED AS ORDERED BY THE ENGINEER.

CONSTRUCT OFF PAVEMENT PARKING AREAS AND STRIPS, WIDEN SHOULDERS AND FLATTEN SLOPES WHERE ECONOMICALLY FEASIBLE WITH UNSATISFACTORY OR SURPLUS MATERIAL AS ORDERED BY THE ENGINEER.

ITEM 20.1 CLASS A ASPHALT SURFACE TREATMENT, 20 FEET WIDE, 1.25 GAL PER SQ. YD. (277.78 GAL. PER 100. LIN. FT.) OR AS ORDERED, TO BE APPLIED IN THREE APPLICATIONS OF 0.5, 0.25 AND 0.5 GALS PER SQ. YD. RESPECTIVELY, THE THIRD APPLICATION WILL BE MADE ONLY ON ORDER OF THE CONSTRUCTION ENGINEER.

THE CONTRACTOR'S ATTENTION IS CALLED TO SUBDIVISION 2.04 OF THE STANDARD SPECIFICATIONS, INTERPRETATION OF APPROXIMATE ESTIMATE OF QUANTITIES. ATTENTION IS FURTHER CALLED TO THE WORD LEDGE OR THE SYMBOL FOR LEDGE WHICH WHEREVER USED ON THESE PLANS SHALL BE INTERPRETED TO MEAN AN INDICATION ONLY OF LEDGE.

ADJUSTMENTS 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 WITH THE OWNER IN EVERY WAY TO EXPEDITE SUCH ADJUSTMENTS.



SHOULDER SLOPES
OUTSIDE BANKED CURVES

LESTER ROAD

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	3	168

~~STANDARD TYPICAL NO. 2~~

1500-7-48 B. L. M. INC.

SUMMARY OF QUANTITIES — ESTIMATED

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEET NO. 5 & 6

* NOT AN ITEM TOTAL

FED. FUND DIV. NO.	STATE	FROM NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.				

ITEM 1
CLEARING AND GRUBBING

UNIT	ACRE
LOCATION	
1086+60 — 1231+00 L&R	53.19
BORROW WITHIN ROW. (EST.)	7.65
APPROACH (LESTER ROAD)	
24+00 – 29+25± L&R	1.04
30+72± – 37+62 L&R	1.87
SUB-TOTAL	63.75
ESTIMATED	.25
TOTAL	64.00

ITEM 15
FINE GRADING

UNIT	SQ.YD.
LOCATION	
ROADWAY	269,952
APPROACH (LESTER ROAD)	13,320
SUB-TOTAL	283,272
ESTIMATED	728
TOTAL	284,000

CURBING

ITEM No.				56.7
ITEM	MARK	RADIUS FT		STRAIGHT GRANITE CURB D L.F.
UNIT				
LOCATION				
1201+38.4 – 1201+58.5	RT.	A-1	110	20.1
1201+38.4 – 1201+58.5	LT.	B-1	110	20.1
1201+91.5 – 1202+11.6	RT.	C-1	110	16.1
1201+91.5 – 1202+11.6	LT.	D-1	110	16.1
APPROACH (LESTER ROAD)				
29+33.5 – 29+52.6	RT.	E-1	60	19.1
29+52.6 – 30+47.4	RT.	E-2		94.8
30+47.4 – 30+66.5	RT.	E-3	60	19.1
29+33.5 – 29+52.6	LT.	F-1	60	19.1
29+52.6 – 30+47.4	LT.	F-2		94.8
30+47.4 – 30+66.5	LT.	F-3	60	19.1
SUB-TOTAL				338.4
ESTIMATED				1.6
TOTAL				340.0

EARTHWORK SUMMARY

UNIT	CU.YD.
EARTH EXCAVATION IN SECTIONS	343,536
MUCK EXCAVATION	4,094
TOPSOIL EXCAVATION	1,051
ROAD APPROACH EXCAVATION (EARTH)	28,865
TOTAL EARTH EXCAVATION	377,546
EARTH EXCAV. FOR ESTIMATE, ITEM 5.1	378,000
SURPLUS TRENCH EXCAVATION (EARTH)	3,059
EARTH EXCAVATION FOR EARTH FILL	376,511
LEDGE EXCAVATION IN SECTIONS (SOLID)	18,250
TOTAL LEDGE EXCAVATION	18,250
LEDGE EXCAV. FOR ESTIMATE ITEM 5.2	19,000
SOLID LEDGE EXPANDED 20%	21,900
LEDGE OVERBREAKAGE (ESTIMATED)	1,084
SURPLUS TRENCH EXCAVATION (LEDGE)	888
LEDGE FOR FILL	23,872
SECTIONS FILL	473,932
TOPSOIL REPLACEMENT	1,051
MUCK REPLACEMENT	4,112
ROAD APPROACH FILL	337
TOTAL FILL	479,432
LEDGE FOR FILL	23,872
TOTAL EARTH FILL	455,620
SHRINKAGE FACTOR 20%	
EXPANDED EARTH FILL	569,525
EARTH FOR FILL	376,511
TOTAL EARTH BORROW	193,014
EARTH BORROW FOR ESTIMATE ITEM 11.1	193,000
WASTE	4,094

GUARD RAIL

ITEM No.		60.2-A	60.2-B	60.3	61.1	62
ITEM		MULTI-CABLE GUARD RAIL		WOOD GD RAIL (SINGLE RAIL)	ANCHORAGES	POST MARKERS
STD. No.		GR-2A	GR-2B	GR-3A		
UNIT		L.F.	L.F.	L.F.	EACH	EACH
LOCATION						
1092+00 – 1101+50	R	950			4	
1092+50 – 1098+50	L	600			4	
1112+00 – 1135+50	R	2350			10	
1114+50 – 1118+00	L	450			2	
1144+50 – 1148+50	R	400			2	
1152+50 – 1161+00	R	850			4	
1166+00 – 1174+50	R	850			4	
1176+00 – 1177+50	R	150			2	
1196+75 – 1201+25	R	450			2	
1196+75 – 1201+25	L	450			1	
1201+25 – 1201+57	L		32			
1201+25 – 1201+57	R		32			
1201+93 – 1202+25	L		32			
1201+93 – 1202+25	R		32			
1202+25 – 1204+00	R	175			1	
1202+25 – 1216+50	L	1425			5	
1209+50 – 1216+50	R	700			4	
1230+50 – 1231+00	R	50			1	
SUB-TOTAL		9850	128	—	46	—
ESTIMATED		50	22	100	4	100
TOTAL		9900	150	100	50	100

LANDSCAPING AND SLOPE PROTECTION

ITEM No.	6.1	65	80	81	82	83	84
ITEM	EARTH TRENCH EXCAV. R	CURB BOARD	LOAM 4" DEEP	SOD	FERTILIZER	GRASS SEED	MULCH
UNIT	C.Y.	L.F.	SQ.YD.	SQ.YD.	LB.	LB.	SQ.YD.
LOCATION							
MEDIAN STRIP			25,806		6,968	289	
SLOPE PROTECTION		10,078	2,716	803	733	30	116,994
IMPROVED SLOPES			223				
BERM DITCHES	100		100	100			
SUB-TOTAL	100	10,078	28,845	903	7701	319	116,994
ESTIMATED	—	422	55	97	99	11	12,006
TOTAL	* 100	10,500	28,900	1,000	7,800	330	129,000

STRUCTURE QUANTITIES

ITEM No	ITEM	UNIT	QUANTITY
8.3	UNCLASSIFIED STRUCTURE EXCAV.	C.Y.	325
24.2	TYPE I-1 HOT ASPHALTIC CONCRETE WEARING COURSE	TON	66
32.1	CONCRETE CLASS A	C.Y.	650
32.1A	" " " (APPROACH SLABS)	C.Y.	90
35	REINFORCING STEEL	LB.	86,632
44	BRIDGE RAILING E	L.F.	59
47	MEMBRANE WATERPROOFING	S.Y.	1,140
56.5	STRAIGHT GRANITE CURB (BRIDGE)	L.F.	66

ALTERATIONS TO PUBLIC UTILITY POLES, WIRES AND OTHER PROPERTY

(NOT A CONTRACT ITEM)

ITEM No	COMPANY	LOCATION
308-A	PUBLIC SERVICE CO. OF N.H.	1113+70
		1122+00±
308-B	NEW ENGLAND TEL & TEL. CO.	1164+00± – 1174+00±

SURFACING MATERIALS

ITEM No.	16.1	16.3	17	20.1	21.2	21.4
	GRAVEL	GRAVEL OVERHAUL	CRUSHED GRAVEL	CLASS A ASPHALT SURFACE TREAT.	CLASS C-2 ROAD MIX PAVEMENT (AGGR. 40)	ASPHALT CUTBACK FOR C-2 PAVEMENT
UNIT	CU.YD.	CU.YD.MI.	CU.YD.	GAL.	TON	GAL.
LOCATION						
ROADWAY	58,840		31,632	106,172	12,741	154,432
SHOULDERS	23,279		4,592	48,260		
APPROACH (LESTER ROAD)	2,433		533	3,784		
SUB-TOTAL	84,552	—	36,757	158,216	12,741	154,432
ESTIMATED	8,448	—	4,243	784	59	568
TOTAL	93,000	33,500	41,000	159,000	12,800	155,000

INCIDENTAL ITEMS

CONTRACT ITEMS

ITEM	ITEM No	UNIT	TOTAL
74	STOCK WIRE FENCE	LIN FT	28,700
77	UNIFORMED OFFICERS	HR.	100
86	WATER	UNIT	5,600
91.2	BOUNDS (SETTING)	EACH	42

ITEMS NOT A PART OF CONTRACT

22.1	STOP SIGNS	EACH	1
	REFLECTORIZED DELINEATORS	EACH	510

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	4	163

NOTE BOOKS

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

DESCRIPTION

AFTER PROPOSAL

STATION

REVISIONS

DATE	STATION

COMPILED BY NORCROSS DATE 6-14-55
CHECKED BY HODGES DATE 6-14-55
INKED BY DATE
CHECKED BY DATE

DM 8-30-51 1798 Vellum Boston Blue Print Company, Boston, Mass.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

SUMMARY OF QUANTITIES

THIS INFORMATION IS FOR BIDDING PURPOSES ONLY
FOR ADDITIONAL QUANTITIES SEE SHEET NO. 4 & 6

* NOT AN ITEM TOTAL

ITEM NO.	6.1	6.2	16.2	STD	38.4	40.1	40.2-A	40.2-B	40.2-C	40.2-D	40.10-A	40.10-B	53.2	53.5-A	53.5-B	53.7	64.1-B		64.4-B		66	REMARKS
ITEM	EARTH TRENCH EXCAV. R	LEDGE TRENCH EXCAV. R	GRAVEL BACK-FILL	NO.	MORTAR RUBBLE MASONRY	DBLE EXT. STRENGTH REIN CONC. PIPE	LAYING REINFORCED CONC. PIPE				BITUMINOUS COATED CORR. METAL PIPE		LAYING REIN. CONCRETE PIPE UNDERDRAIN	CONCRETE SEWER PIPE UNDERDRAIN		BITUMINOUS COAT. PERF. CORR. MET. PIPE UND.	CATCH BASINS TYPE B		DROP INLETS TYPE B		GRANITE CURB INLETS TY. B	
	0'-10	0'-10				60"	12"	15"	18"	24"	12"	18"	15"	8"	12"	6"						
UNIT	C.Y.	C.Y.	C.Y.		C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH (ACT.)	EACH (EST.)	EACH (ACT.)	EACH (EST.)	EACH	
LOCATION																						
1085+52 - 1088+48 ℄															236							
1088+50							96										1	1	2	2	2	
1088+52 - 1090+50 ℄														198								
1091+50							60										1	1				CONST. OUTLET DITCH
1091+52 - 1093+50 ℄														198								
1093+00				PC-4	3.31				160													CONST. INLET DITCH
1094+50 R							88										1	1⅞				
1094+52 - 1096+50 ℄														198								
1097+00									156													
1097+50											80						1	1				2-24° BENDS REQUIRED
1097+52 - 1099+50 ℄														198								
1100+50											76						1	1				2-24° BENDS REQ.
1100+52 - 1102+50 ℄														198								
1103+50							48	76									2	2⅛			1	CONST. OUTLET DITCH
1103+52 - 1106+00 R																250						
1103+52 - 1106+48 ℄															236							
1106+50							96										3	3			2	
1106+52 - 1109+50 R																298						
1106+52 - 1112+48 R-2														596								
1106+52 - 1113+00 L				UL-4	0.26											648						CONST. UL-4 HDR AT 1113+00 LT
1112+50							68										1	1				
1113+50 - 1115+48 R-2														198								
1115+50											88						1	1				2-24° BENDS REQUIRED
1116+50 - 1118+48 R-2														198								
1118+00				PC-4	4.82					152												CONST. INL & OUT. DITCHES
1118+50											84						1	1				2-24° BENDS REQUIRED
1119+50 - 1121+48 R-2														198								
1121+50											90						1	1				2-24° BENDS REQUIRED
1122+50 - 1123+98 R-2														148								
1124+00											74						1	1				2-24° BENDS REQUIRED
1124+02 - 1126+00 R-2														198								
1126+00				PC-4	3.31				148													
1127+00											84						1	1				2-24° BENDS REQ.
1127+02 - 1129+00														198								
1127+75 - 1129+00 L																						CONST. DITCH
1130+00											94						1	1				2-24° BENDS REQ.
1130+02 - 1132+00 ℄														198								
1133+00											96						1	1				2-24° BENDS REQ.
1133+02 - 1135+00 ℄														198								
1136+00							84										1	1				
1136+02 - 1138+50 ℄														248								
1137+00				PC-4	4.82					128												CONST. INL & OUT. DITCHES
1139+50							72										1	1				
1139+52 - 1142+00 ℄														248								
1143+00							80										1	1				
1143+02 - 1145+00 ℄														198								
1145+00				PC-4	3.31				144													
1146+00											70						1	1				2-24° BENDS REQ.
1146+02 - 1148+00 ℄														198								
1149+00				PC-4	3.31				124								1	1				
1149+02 - 1152+00 ℄														298								
1153+00 - 1154+98 ℄														198								
1155+00											80						1	1				2-24° BENDS REQ.
1156+00 - 1157+98 ℄														198								
1158+00											80						1	1				2-24° BENDS REQ.
1159+00									168													
1159+00 - 1160+98 ℄														198								
1160+25 - 1161+25 L																						CONST. DITCH
1161+00							76										1	1				
1162+00 - 1163+98 ℄														198								
1163+25 - 1163+75 L																						CONST. DITCH
1164+00							80										1	1				
1165+00 - 1166+98 ℄														198								
1167+00									132								1	1				
1168+00 - 1169+98 ℄														198								
1170+00											76						1	1				2-24° BENDS REQUIRED
SUB-TOTAL SHT. 1					23.14	—	848	76	1,032	280	1,072	—	—	5,498	592	1,196	29	29⅜	2	2	5	

NOTE BOOKS

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

DESCRIPTION

AFTER PROPOSAL

STATION

STATION

REVISIONS

DATE

COMPILED BY NORCROSS & HODGES DATE 6-7-55
CHECKED BY DATE 6-14-55
INKED BY HODGES DATE
CHECKED BY DATE

PROJ. NO	SHEET NO.	TOTAL SHTS.
LS 1867(1)	5	163

M 8-30-51 170H Vellum Boston Blue Print Company, Boston, Mass.

SUMMARY OF QUANTITIES

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

* NOT AN ITEM TOTAL

FED. ROAD PROJ. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEET	NO.	TOTAL SHEETS
1	N.H.					

ITEM No.	6.1	6.2	16.2	STD. No.	38.4	40.1	40.2-A	40.2-B	40.2-C	40.2-D	40.10-A	40.10-B	53.2	53.5-A	53.5-B	53.7	64.1-B		64.4-B		66	REMARKS
ITEM	EARTH TRENCH EXCAV. R 0'-10'	LEDGE TRENCH EXCAV. R 0'-10'	GRAVEL BACK-FILL		MORTAR RUBBLE MASONRY	DBLE EX. STRENGTH REIN. CONC. PIPE 60"	LAYING REINFORCED CONCRETE PIPE				BITUMINOUS COATED CORR METAL PIPE		LAYING REIN. CONCRETE PIPE UNDERDRAIN	CONCRETE SEWER PIPE UNDERDRAIN		BITUMINOUS COAT. PERF CORR. MET. PIPE UND.	CATCH BASINS TYPE B		DROP INLETS TYPE B		GRANITE CURB INLETS TYPE B	
UNIT	C.Y.	C.Y.	C.Y.		C.Y.	L.F.	12" L.F.	15" L.F.	18" L.F.	24" L.F.	12" L.F.	18" L.F.	15" L.F.	8" L.F.	12" L.F.	6" L.F.	EACH (ACT.)	EACH (EST.)	EACH (ACT.)	EACH (EST.)	EACH	
LOCATION																						
1171 +00 - 1173 +48 ℄														248'								
1172 +00												144'										
1173 +50											112'						1	1				2-24° BENDS REQUIRED
1174 +50 - 1175 +98 ℄														148'								
1176 +00							84'										1	1				
1177 +00 - 1178 +98 ℄														198'								
1179 +00							76'										1	1				
1179 +50 - 1180 +25 R																						CONST. DITCH
1180 +00 - 1182 +48 ℄														248'								
1182 +50							96'										1	1 1/8	2	2	2	
1182 +52 - 1185 +98 ℄															346'							
1183 +50 - 1185 +98 L&R																496'						
1186 +00							96'										3	3 1/8			2	
1186 +02 - 1188 +98 ℄															296'							
1189 +00							48'	76'									1	1 3/8	1	1	1	
1190 +00 - 1191 +98 ℄														198'								
1192 +00							132'										1	1 3/8	1	1	1	
1193 +00 - 1194 +48 ℄							136'							148'								
1194 +50														148'			1	1 1/8	1	1	1	
1195 +50 - 1196 +98 ℄											62'						1	1				
1197 +00														148'								
1198 +00 - 1199 +48 ℄				PC-8	18.77	220																CONST. INL. & OUT. DITCHES
1198 +25											64'						1	1				
1199 +50																						
1199 +52 - 1201 +50 ℄														198'								
1201 +96.5											80'						2	2 1/8	1	1	2	
1201 +96.5 - 1202 +36 L											48'											2-24° BENDS REQUIRED
1201 +98 - 1204 +50 ℄														252'								
1205 +50											74'						1	1				2-24° BENDS REQUIRED
1205 +52 - 1208 +00 ℄														248'								
1209 +00											86'						1	1				" " " "
1209 +02 - 1211 +00 ℄														198'								
1212 +00											94'						1	1				" " " "
1212 +02 - 1213 +50 ℄														148'								
1214 +50											92'						1	1				" " " "
1214 +52 - 1216 +00 ℄														148'								
1217 +00							48'	64'									1	1	1	4/5	1	CONST. OUTLET DITCH
1217 +02 - 1220 +48 ℄													346									
1217 +10 L				UL-4	0.26																	
1217 +10 - 1220 +48 L																338'						
1220 +50							96'										2	2 1/8	1	1	2	
1220 +52 - 1223 +00 L																248'						
1220 +52 - 1223 +98 ℄															346'							
1224 +00							96'										1	1 3/8	2	2	2	
1224 +02 - 1226 +98 ℄															296'							
1227 +00							96'										1	1 3/8	2	2	2	
1227 +02 - 1229 +00 ℄														198'								
1230 +00											64'						1	1				
1230 +02 - 1231 +00 ℄														98								TO BE CONNECT. TO LS 1868(1) DRAIN
LESTER ROAD																						
24+50							60'												1	1	1	CONST. OUTLET DITCH
26+25				PC-4L	2.92					68'												" " "
26+50 - 26+75 R																						CONST. DITCH
26+62 - 29+25 L																						" "
29+54 L42																						REMOVE 24"x12" RCP
31+00 L																			1	1	1	
31+02 - 33+98 L							296'															
34+00							36'										2	2	1	1	2	
34+02 - 36+48 R								246'														
36+50							36'										1	1	1	1	2	
36+52 - 37+25 R								72'														
37+48 R+93' TO EXIST CB				PC-4	1.32			44'														CONST OUTLET DITCH
SLOPE PROTECTION	100																					REMOVE EXIST. 44"x15" RCP. WRK HDR
SUB-TOTAL	8,334	1,351	—		46.41	220	2,280	578	1,032	348	1,848	144	346	8470	1,876	2,278	56	58	17	16 4/6	27	
ESTIMATED	66	49	100		.59	12	108	22	28	16	88	12	4	160	24	22	1		1 1/5		3	
TOTAL	8400	1,400	100		47.00	232	2,388	600	1,060	464	1,936	156	350	8640	1,900	2,300	59		18		30	

PROJ. NO.	SHEET NO.	TOTAL SHTS
LS 1867(1)	6	163

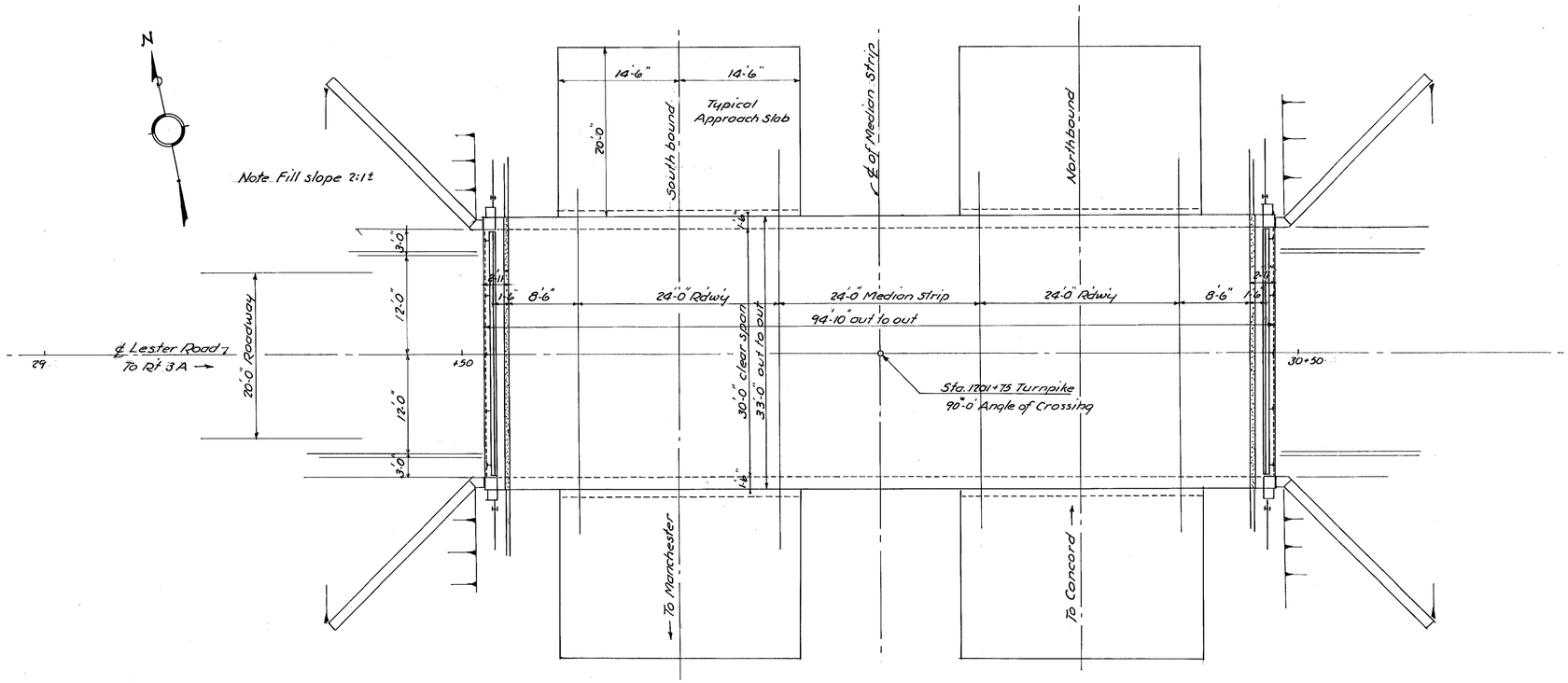
COMPILED BY NORCROSS & HODGES DATE 6-7-55
CHECKED BY HODGES DATE 6-14-55
INKED BY DATE
CHECKED BY DATE

REVISIONS — DATE — STATION — STATION — AFTER — BEFORE — DESCRIPTION

NOTE BOOKS — BOOK NO. — PAGE NO.

Ini 8-30-51 1750H Vellum Boston Blue Print Company, Boston, Mass.

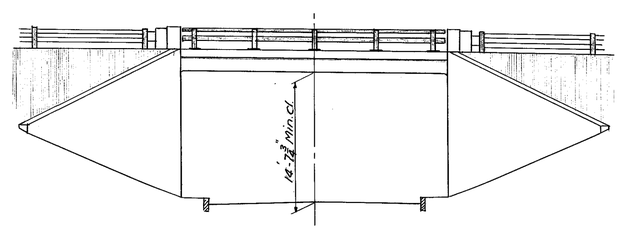
FED. ROAD DIV. NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				



ESTIMATE OF BRIDGE QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	
8.3	Unclassified Structure Excavation	925	C.Y.
24.2	Type I-1 Hot Asphaltic Conc. Wear. Course	66	Ton
32.1	Concrete Class A	650	C.Y.
35	Reinforcing Steel	86,632	Lb.
44	Bridge Railing E	59	L.F.
47	Membrane Waterproofing	1140	S.Y.
56.9	Str. Granite Curb (Bridge)	66	L.F.
32.1 A	Concrete Class A (Approach slabs)	90	C.Y.

GENERAL NOTES

Design Loading H20-S16
Specifications A.A.S.H.O. 1953 & N.H.D.P.W.&H. 1954
Main reinforcing steel shall be 2" clear from all concrete surfaces unless otherwise noted.
For Surface Finish of concrete see Special Provision.
For further information see sheet titled "Addenda to Specifications, attached to Proposal.



WEST ELEVATION

APPROVED DATE

John O. Morton 5/17/55

DEPUTY COMMISSIONER AND CHIEF ENGINEER

Sheet Scale 1/8" = 1'-0"

△	DESCRIPTION	BY	DATE

REVISIONS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
F. E. EVERETT TURNPIKE

TOWN HOOKSETT BRIDGE NO. 071/114
FEDERAL PROJECT STATE PROJECT P-2650-Z

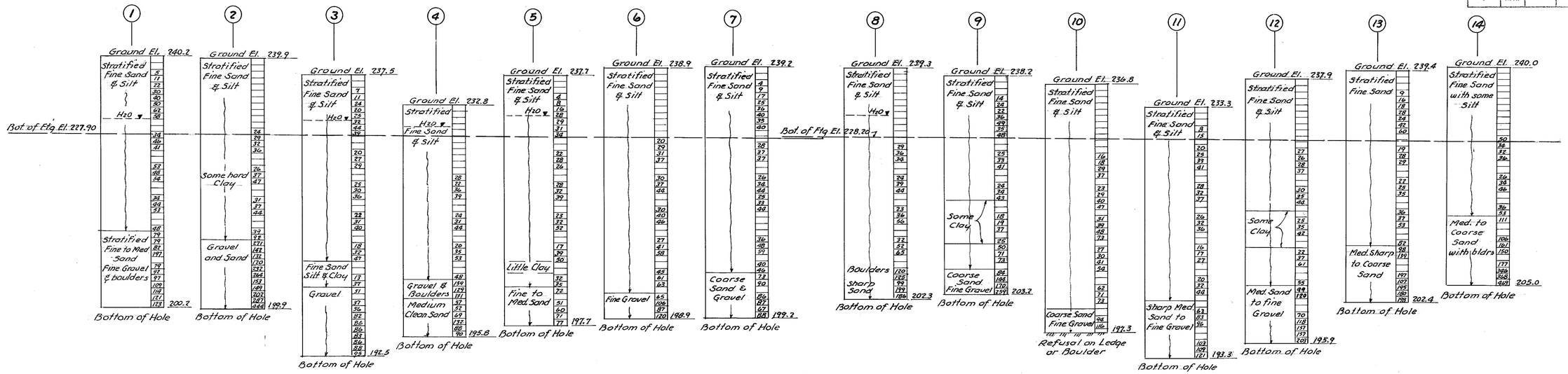
LESTER ROAD UNDERPASS

GENERAL PLAN AND ELEVATION

	BY	DATE		BY	DATE	BRIDGE SHEET NO.
DESIGNED	E.S.	12/54	CHECKED	G.B.S.	12/54	1 OF 6
DRAWN	"	"	CHECKED	"	"	
TRACED	W.H.P.	2/55	CHECKED	E.S.	3/55	FILE NUMBER
QUANTITIES	G.B.S.	12/54	CHECKED	L.W.H.	"	B-11

PROJ. NO.	SHEET NO.	TOTAL SHEETS
L.S. 1867(1)	7	165

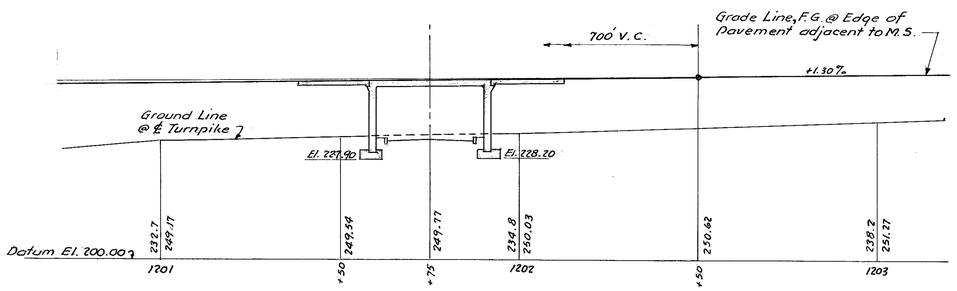
FED. ROAD DIV. NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				



LOG OF BORINGS

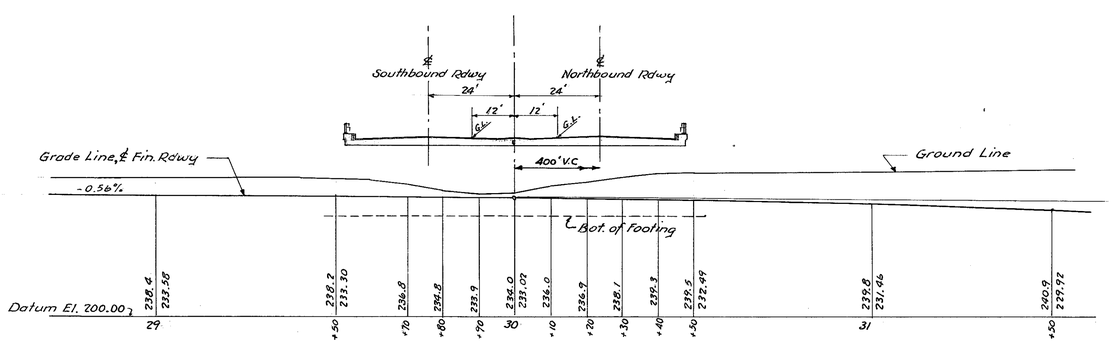
Vert. Scale: $\frac{1}{8}$" = 1'-0"

Note: ⊕ Borings made by N.H.D.P.W. & Hys, Nov. 1954
Figures in right hand column indicate the number of blows required to drive a $1\frac{3}{8}$" O.D. A-rod one foot using a 135 lb. wt falling two ft.
Borings are for design only and show conditions at boring points and do not necessarily indicate materials to be encountered during construction.



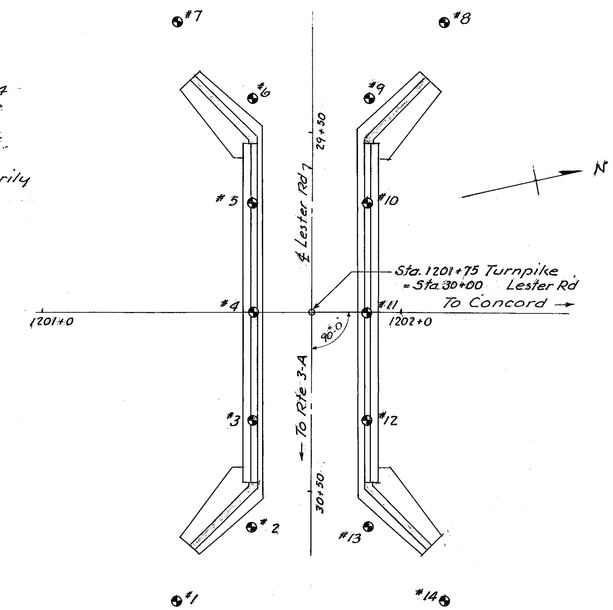
PROFILE OF TURNPIKE

Scale 1" = 20'



PROFILE OF LESTER ROAD

Scale 1" = 20'



FOOTING PLAN

Scale 1" = 20'

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
F. E. EVERETT TURNPIKE

TOWN HOOKSETT BRIDGE NO. 071/114
FEDERAL PROJECT STATE PROJECT P-2650-Z

LESTER ROAD UNDERPASS

PROFILES & BORINGS

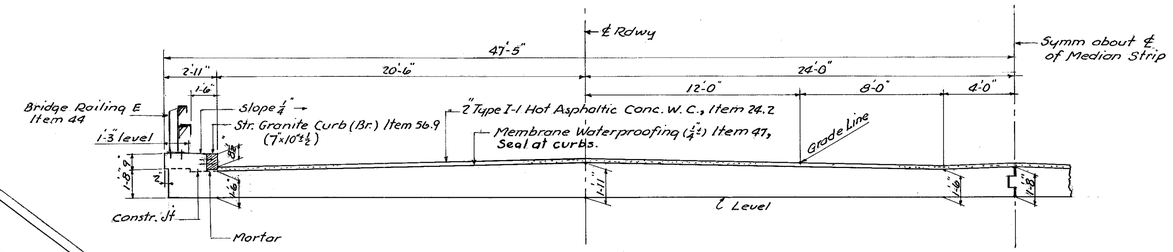
	BY	DATE		BY	DATE	
DESIGNED	E.S.	12/54	CHECKED	G.B.S.	12/54	BRIDGE SHEET NO. 2 OF 6
DRAWN	"	"	CHECKED	"	"	
TRACED	W.H.P.	3/55	CHECKED	E.S.	3/55	FILE NUMBER B-11
QUANTITIES	G.B.S.	12/54	CHECKED	L.W.H.	"	

△	DESCRIPTION	BY	DATE

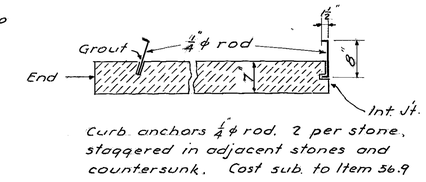
REVISIONS

PROJ. NO.	SHEET NO.	TOTAL SHEETS
L.S. 1867(1)	8	163

FED. ROAD DIV. NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				



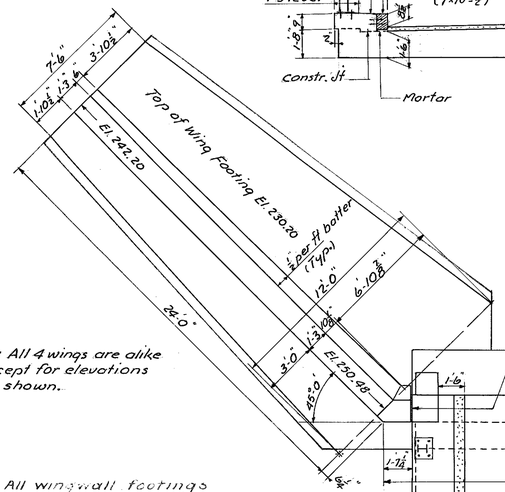
HALF TRANSVERSE SECTION OF FRAME



Curb anchors 1/4" ϕ rod. 2 per stone, staggered in adjacent stones and countersunk. Cost sub. to Item 56.9

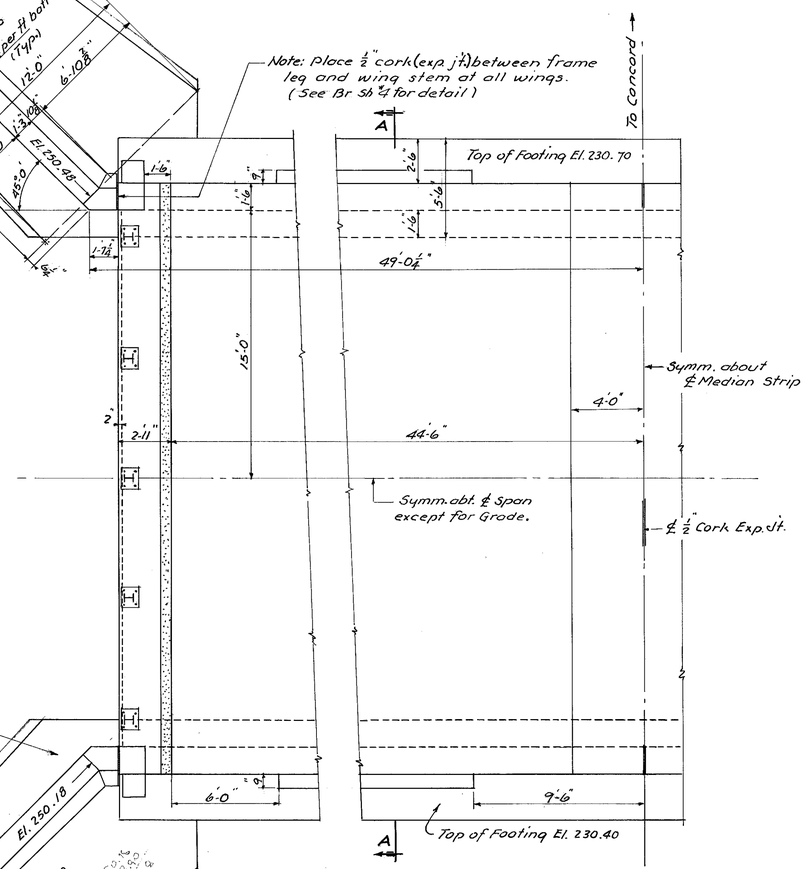
CURB ANCHOR DETAIL

Scale 3/4" = 1'-0"

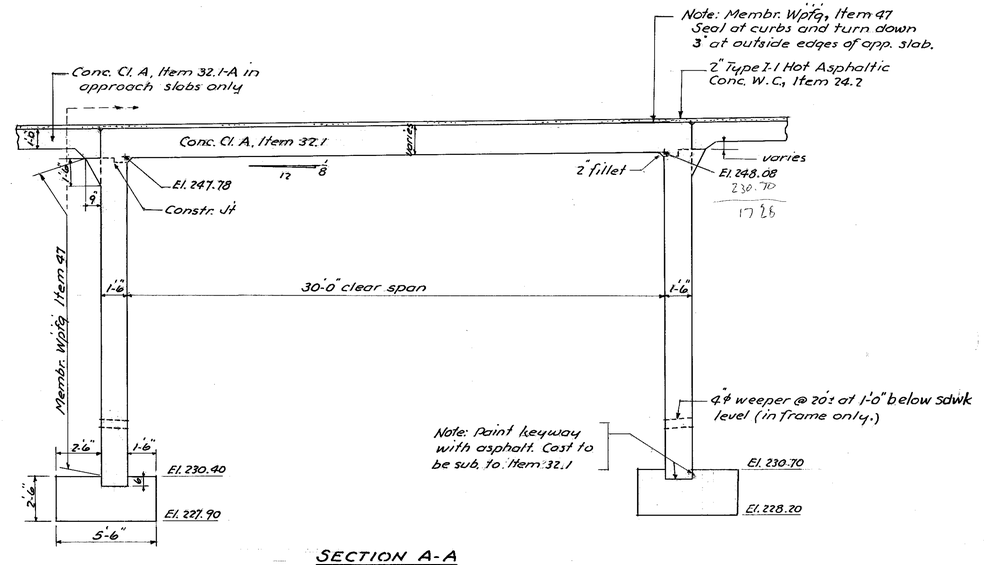


Note: All 4 wings are alike except for elevations as shown.

Note: All wingwall footings increased in width by 1 ft. 6" on each side

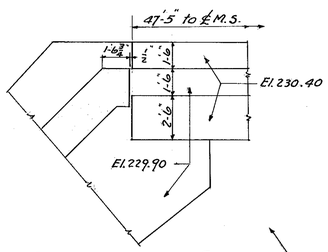


HALF PLAN

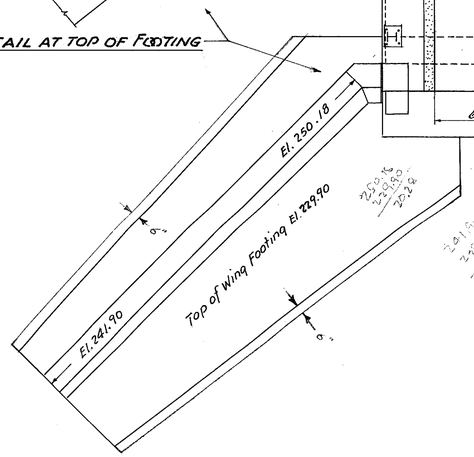


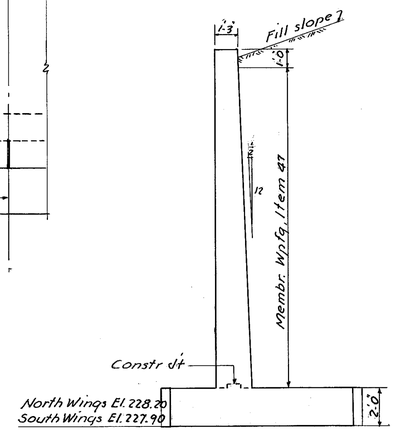
SECTION A-A

Typical Longitudinal Section of Frame.

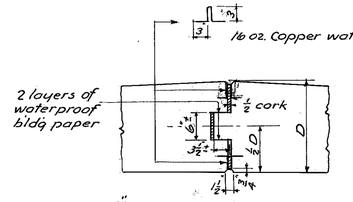


DETAIL AT TOP OF FOOTING





TYPICAL WING SECTION



1/2" EXP JOINT THRU SLAB

Scale 3/4" = 1'-0"

Note: Exp. joint in frame leg is similar. Extend copper down to 1'-0" below walk level on the inside face and to top of footing on the outside face. Joints in copper to be soldered. Cost of cork and copper shall be subsidiary to Item 32.1

Sheet Scale 1/4" = 1'-0" except as noted

△	DESCRIPTION	BY	DATE

REVISIONS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
F. E. EVERETT TURNPIKE

TOWN HOOKSETT BRIDGE NO. 071/114
FEDERAL PROJECT STATE PROJECT P-2650-Z

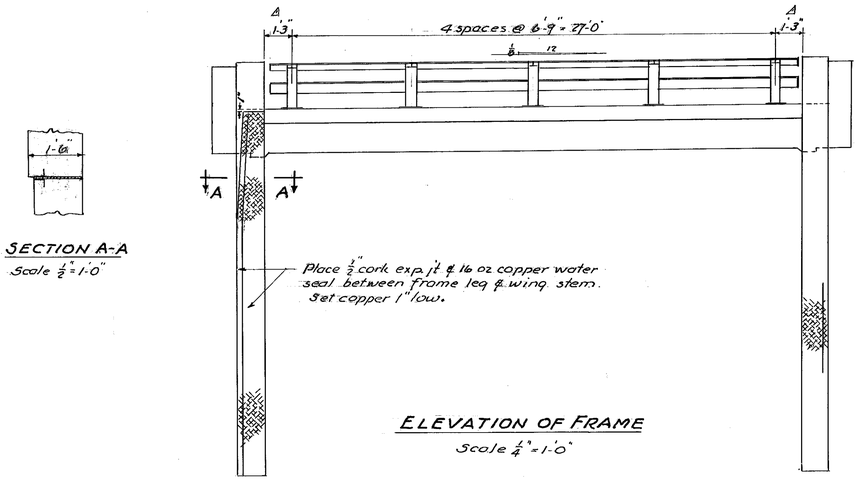
LESTER ROAD UNDERPASS

MASONRY PLAN

	BY	DATE		BY	DATE	
DESIGNED	E.S.	12/54	CHECKED	G.B.S.	12/54	BRIDGE SHEET NO. 3 OF 6
DRAWN	"	"	CHECKED	"	"	
TRACED	W.H.P.	3/55	CHECKED	E.S.	3/55	FILE NUMBER
QUANTITIES	G.B.S.	12/54	CHECKED	L.W.H.	"	B-11

PROJ. NO.	SHEET NO.	TOTAL SHEETS
L.S. 1867 (1)	9	163

FED. ROAD DIV. NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

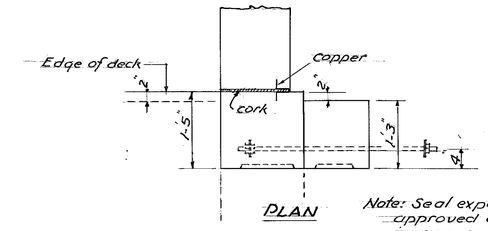


ELEVATION OF FRAME

Scale ¼" = 1'-0"

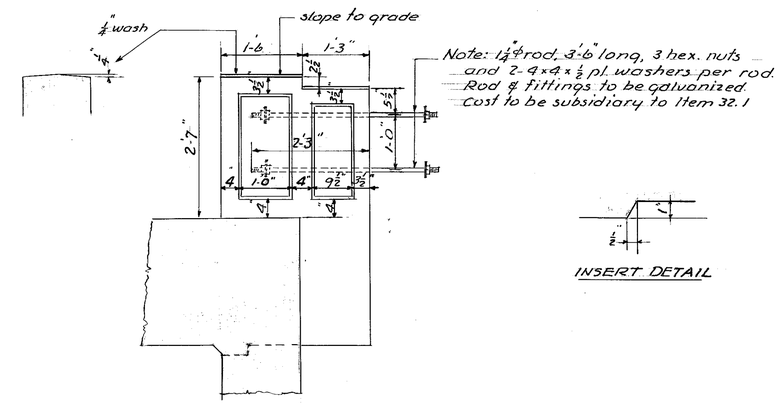
SECTION A-A

Scale ½" = 1'-0"



PLAN

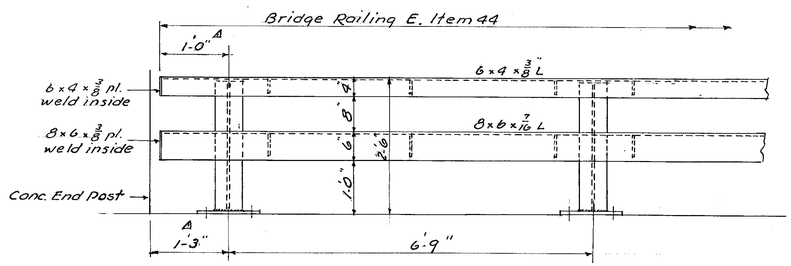
Note: Seal exposed edges of cork with an approved caulking compound. Joints in copper to be lapped and soldered. Cost of cork, copper & caulking compound shall be subsidiary to Item 32.1



INSERT DETAIL

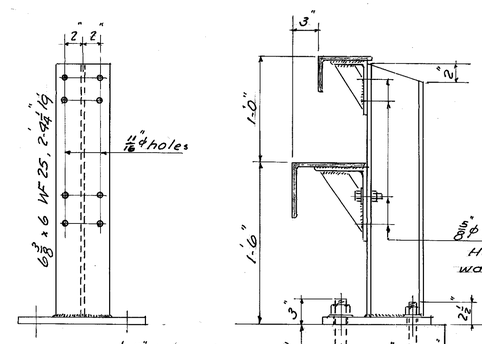
INSIDE ELEV.-TYPICAL END POST DETAIL

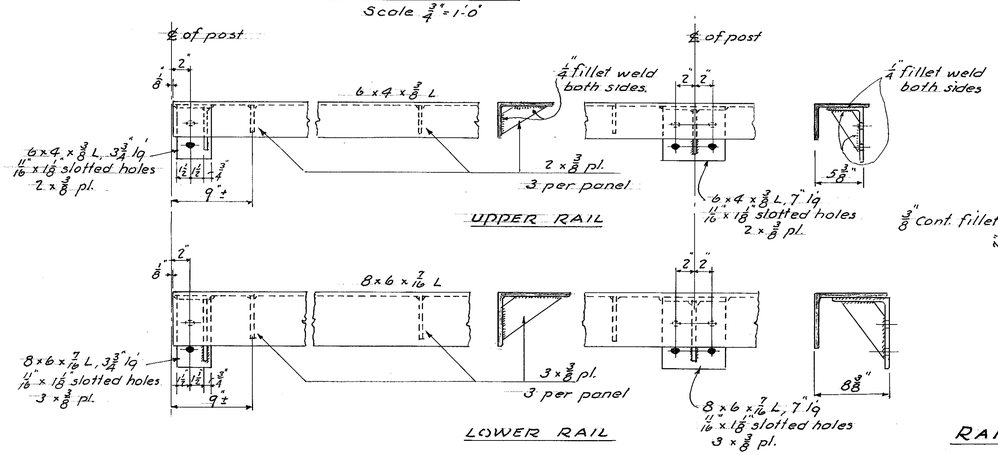
Scale ¾" = 1'-0"

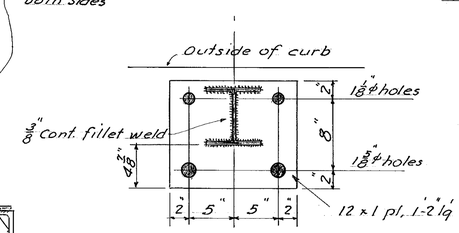


INSIDE ELEVATION

Scale ¾" = 1'-0"







RAILING DETAIL

Scale 1½" = 1'-0" except as noted

Note: All posts shall be normal to finished grade.
Rails to be square and true.
Base plates to be flat and true after welding.
Grind smooth all sharp edges.
Caulk with lead wool under all base plates.

Δ	Railing - Field Change	R.R.K.	6/25/56
△	DESCRIPTION	BY	DATE

REVISIONS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
F. E. EVERETT TURNPIKE

TOWN HOOKSETT BRIDGE NO. 071/114
FEDERAL PROJECT STATE PROJECT P-2650-Z

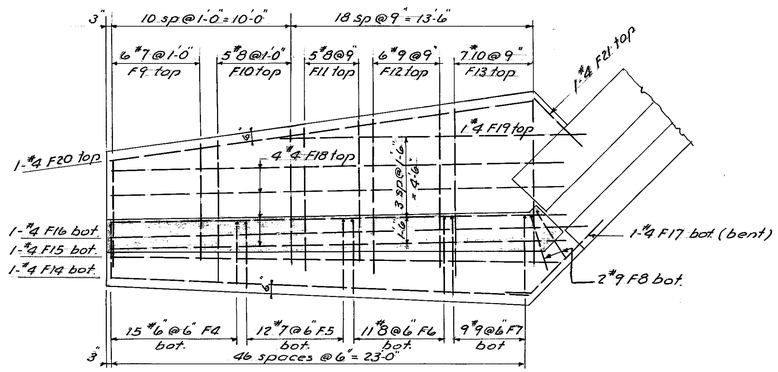
LESTER ROAD UNDERPASS

FRAME & RAILING DETAILS

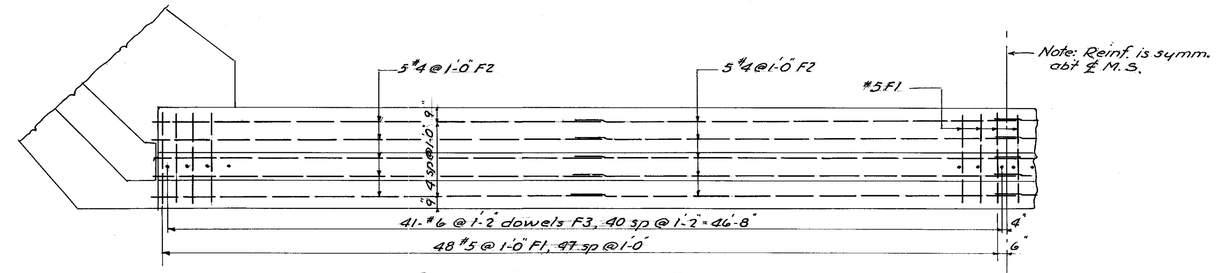
	BY	DATE		BY	DATE	
DESIGNED	E.S.	12/54	CHECKED	G.B.S.	12/54	BRIDGE SHEET NO. 4 OF 6
DRAWN	"	"	CHECKED	"	"	
TRACED	W.H.P.	3/55	CHECKED	E.S.	3/55	FILE NUMBER B-11
QUANTITIES	G.B.S.	12/54	CHECKED	L.W.H.	"	

PROJ. NO.	SHEET NO.	TOTAL SHEETS
L.S. 1867(1)	10	163

FED. ROAD DIV. NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

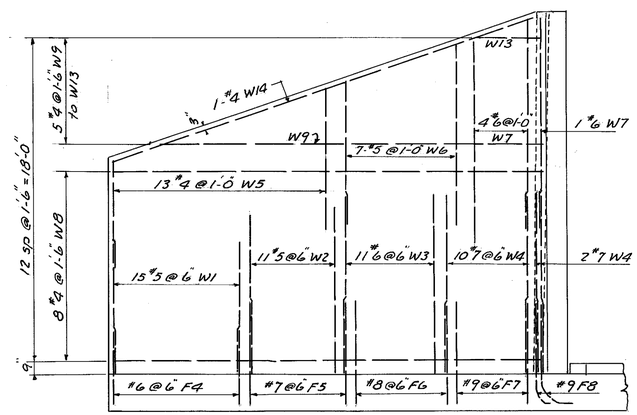


PLAN OF WING FOOTING REINF.

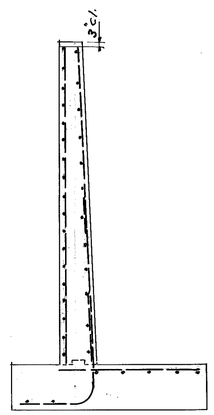


PLAN OF FRAME FOOTING REINFORCEMENT

For Cross Section see Br Sh #6

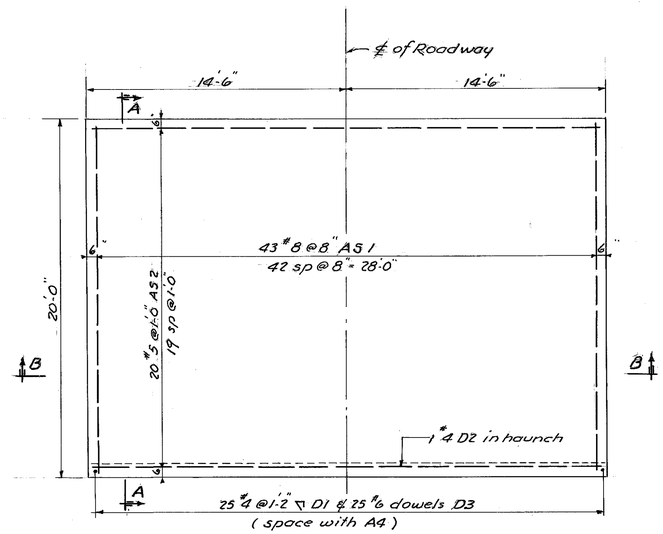


FAR SIDE REINFORCEMENT

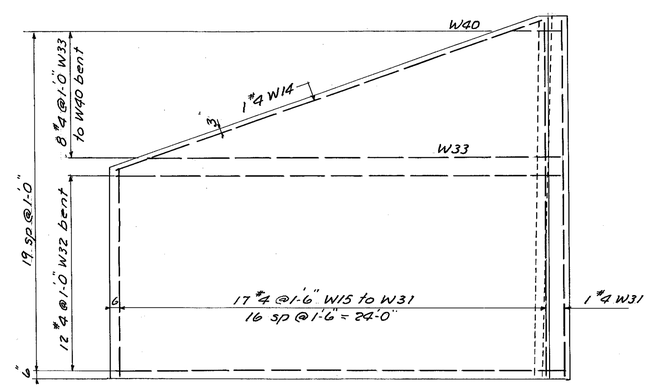


TYP. WING SECTION

Note: All footing reinf. 3" clear
Min. lap 30 diam. All bars.

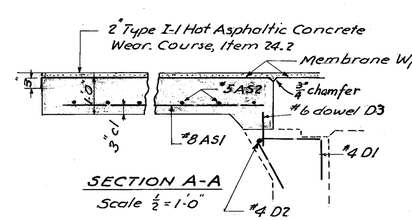


PLAN OF APPROACH SLAB



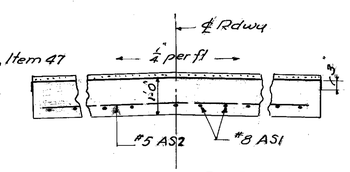
NEAR SIDE REINFORCEMENT

TYPICAL WING



SECTION A-A

Scale 1/2" = 1'-0"



SECTION B-B

Scale 1/2" = 1'-0"

Sheet Scale 1/4" = 1'-0" except as noted

△	DESCRIPTION	BY	DATE

REVISIONS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
F. E. EVERETT TURNPIKE

TOWN HOOKSETT BRIDGE NO. 071/114
FEDERAL PROJECT STATE PROJECT P-2650-2

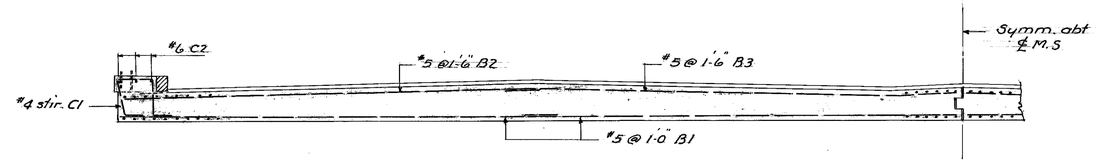
LESTER ROAD UNDERPASS

FRAME FOOTING, WING & APR. SLAB REINF.

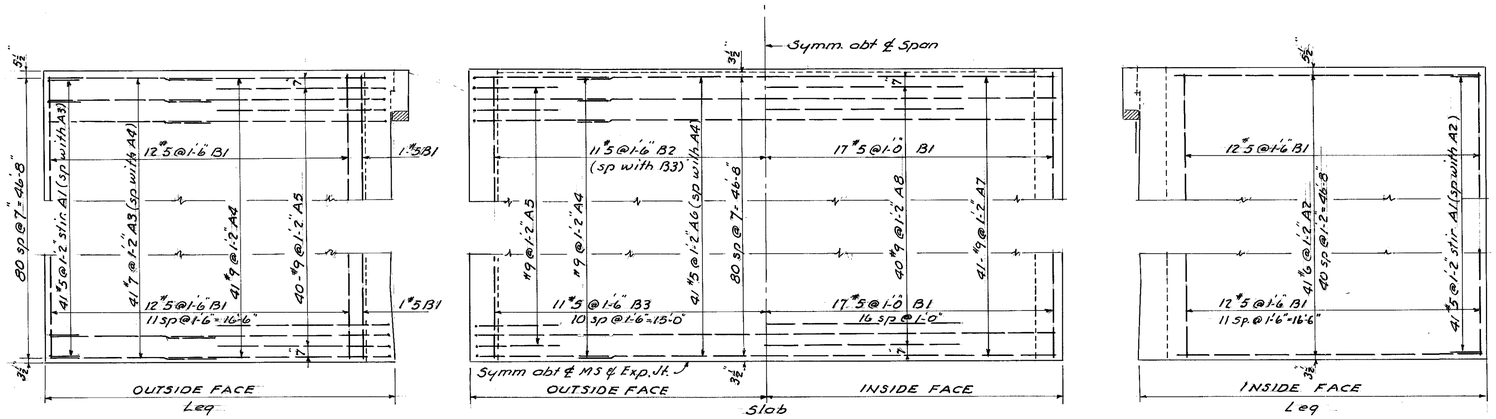
	BY	DATE		BY	DATE	BRIDGE SHEET NO.
DESIGNED	E.S.	1/55	CHECKED	G.B.S.	1/55	5 OF 6
DRAWN	"	"	CHECKED	"	"	
TRACED	W.H.P.	2/55	CHECKED	E.S.	3/55	FILE NUMBER
QUANTITIES	G.B.S.	12/54	CHECKED	L.W.H.	"	B-11

PROJ. NO.	SHEET NO.	TOTAL SHEETS
L.S. 1867(1)	11	163

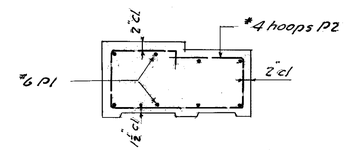
FED. ROAD DIV. NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				



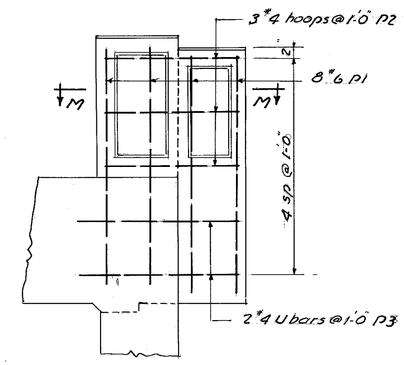
HALF TRANSVERSE SECTION THRU SLAB



DEVELOPED HALF PLAN OF FRAME REINFORCEMENT

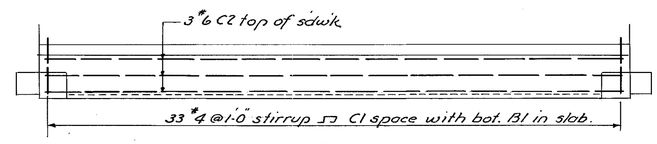


SECTION M-M

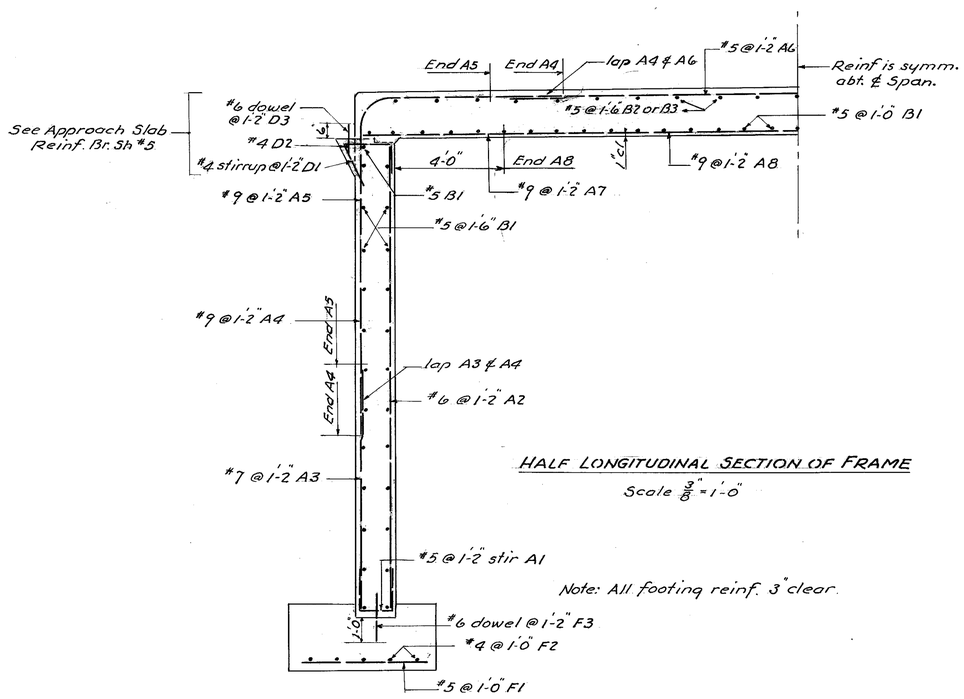


END POST REINF.

Scale $\frac{3}{4}$" = 1'-0"



PLAN OF CURB REINFORCEMENT



HALF LONGITUDINAL SECTION OF FRAME

Scale $\frac{3}{8}$" = 1'-0"

Note: All footing reinf. 3" clear.

Sheet Scale $\frac{1}{4}$" = 1'-0" except as noted.

△	DESCRIPTION	BY	DATE

REVISIONS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
F. E. EVERETT TURNPIKE

TOWN HOOKSETT BRIDGE NO. 071/114
FEDERAL PROJECT STATE PROJECT P-2650-Z

LESTER ROAD UNDERPASS

FRAME REINFORCEMENT

	BY	DATE		BY	DATE	BRIDGE SHEET NO.
DESIGNED	E. S.	12/54	CHECKED	G.B.S.	12/54	6 OF 6
DRAWN	"	"	CHECKED	"	"	
TRACED	W.H.P.	2/55	CHECKED	E.S.	3/55	FILE NUMBER
QUANTITIES	G.B.S.	12/54	CHECKED	L.W.H.	"	B-11

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS. 1867 (1)	12	163

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

NOTE BOOKS
(USE BOTTOM LINES FIRST)

BOOK NO.		PAGE NO.
" "		" "
" "	4354	" "
" "	4331	" "
" "	4310	" "
BOOK NO.	4196	PAGE NO.

REVISIONS AFTER PROPOSAL

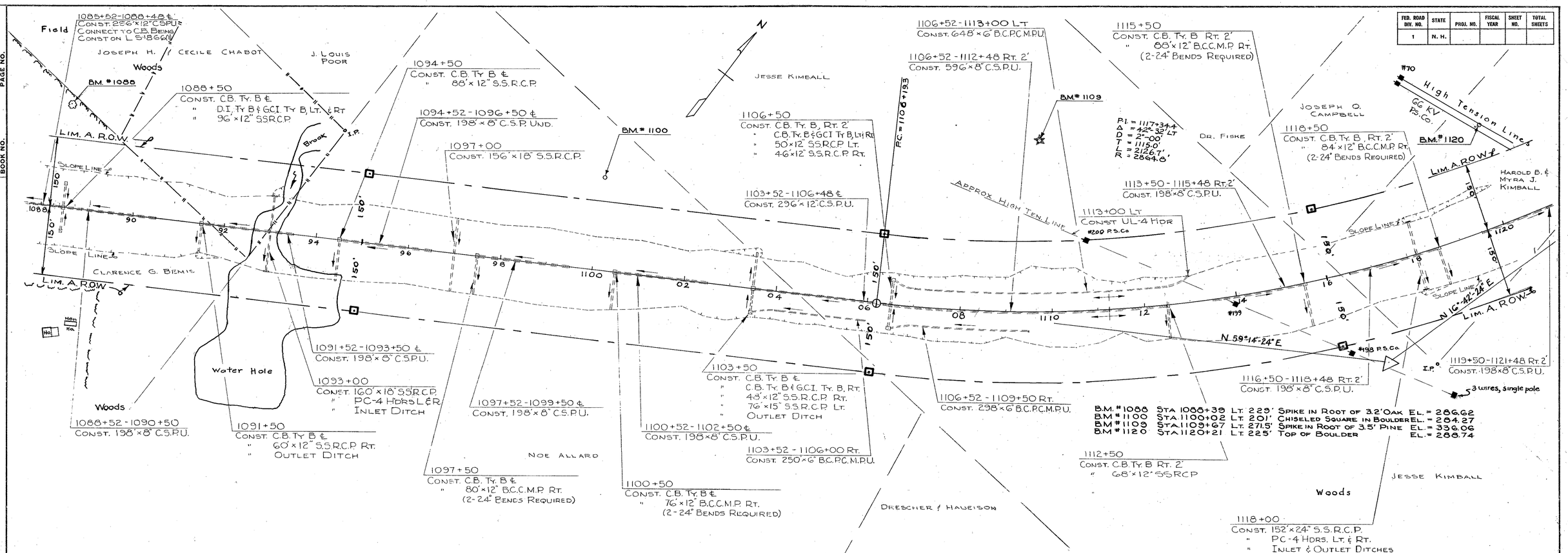
DATE	STA. TO STA.	DESCRIPTION
ROW Checked By J. Yannekis		4-11-73

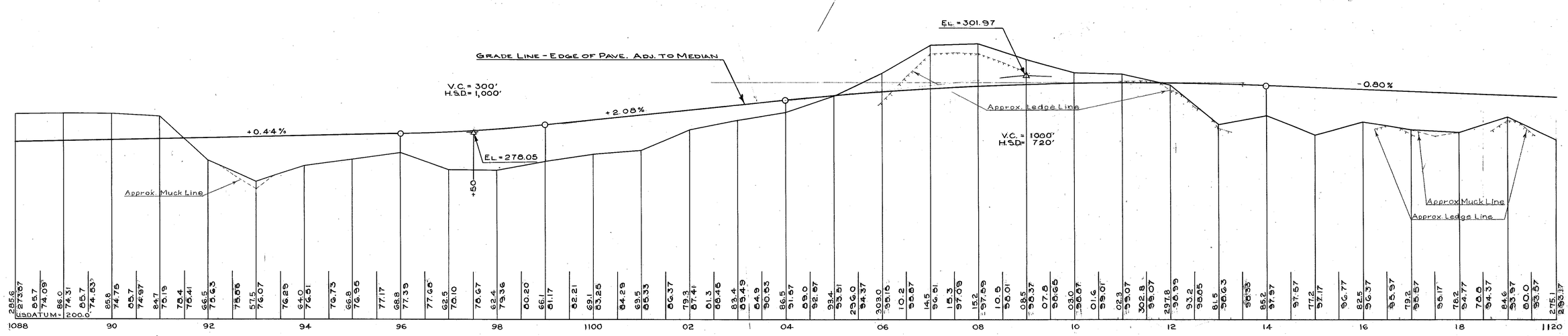
		DATE
PLAN TRACED BY	Norcross	DATE 1-15-54
" CHECKED "	HODGES	" 9-3-54
PROFILE TRACED BY	HODGES	" 9-3-54
" CHECKED "	BURT	" 9-3-54
INKED BY	HODGES	" 6-14-55
CHECKED BY	NORCROSS	" 6-15-55

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	13	163

8-53 B. L. M. INC. "ARKWRIGHT" TRACING CLOTH #263

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				





PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	14	163

NOTE BOOKS (USE BOTTOM LINES FIRST)

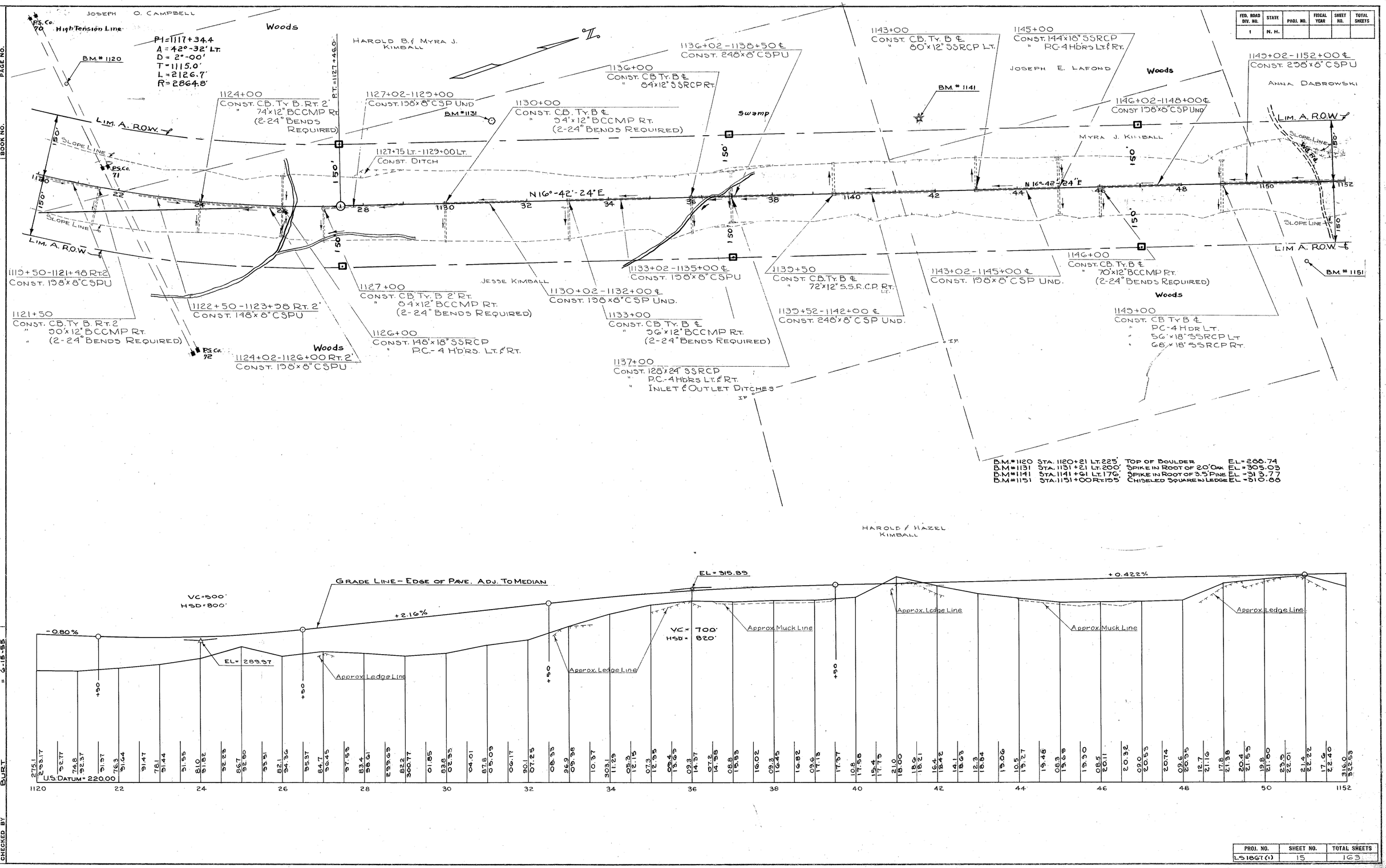
BOOK NO.	PAGE NO.
"	"
"	"
"	"
"	"
"	"
BOOK NO.	PAGE NO.

REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.	DESCRIPTION
		R.O.W. Checked By J. Vannais 4-11-73

		DATE 4/26/54
PLAN TRACED BY	K.IMPALL	
" CHECKED "	VIRGIN	" 7-9-54
PROFILE TRACED BY	VIRGIN	" 7-26-54
" CHECKED "	NORCROSS	" 8-13-54
INKED BY	LODGES	" 6-14-55
CHECKED BY	NORCROSS	" 6-15-55

67-68 B. L. S. INC. ©"HAN-VRIGHT" TRACING CLOTH



FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS1867(1)	15	163

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.

REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.	DESCRIPTION
		ROW Checked By J. Vannekis 4-11-73

PLAN TRACED BY	AMROL
" CHECKED "	OKEKE
PROFILE TRACED BY	VIRGIN
" CHECKED "	NORCROSS
INKED BY	NORCROSS
CHECKED BY	BURT

	DATE
	5-6-54
	7-9-54
	7-26-54
	8-13-54
	6-14-55
	6-15-55

00-7-45 B. L. M. INC.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

NOTE BOOKS (USE BOTTOM LINES FIRST)

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

REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.	DESCRIPTION
	ROW Checked By J. Yannekis	4-11-73

		DATE
PLAN TRACED BY	AMROL	5-6-54
" CHECKED "	VIRGIN	" 7-9-54
PROFILE TRACED BY	VIRGIN	" 7-26-54
" CHECKED "	NORCROSS	" 8-13-54
INKED BY	NORCROSS	" 6-14-55
CHECKED BY	BURT	" 6-15-55

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	16	163

10-7-48 B. L. M. INC. TRACING CLOTH

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

REVISED AFTER PROPOSAL
Date AUG 10 1955

NOTE BOOKS (USE BOTTOM LINES FIRST)

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

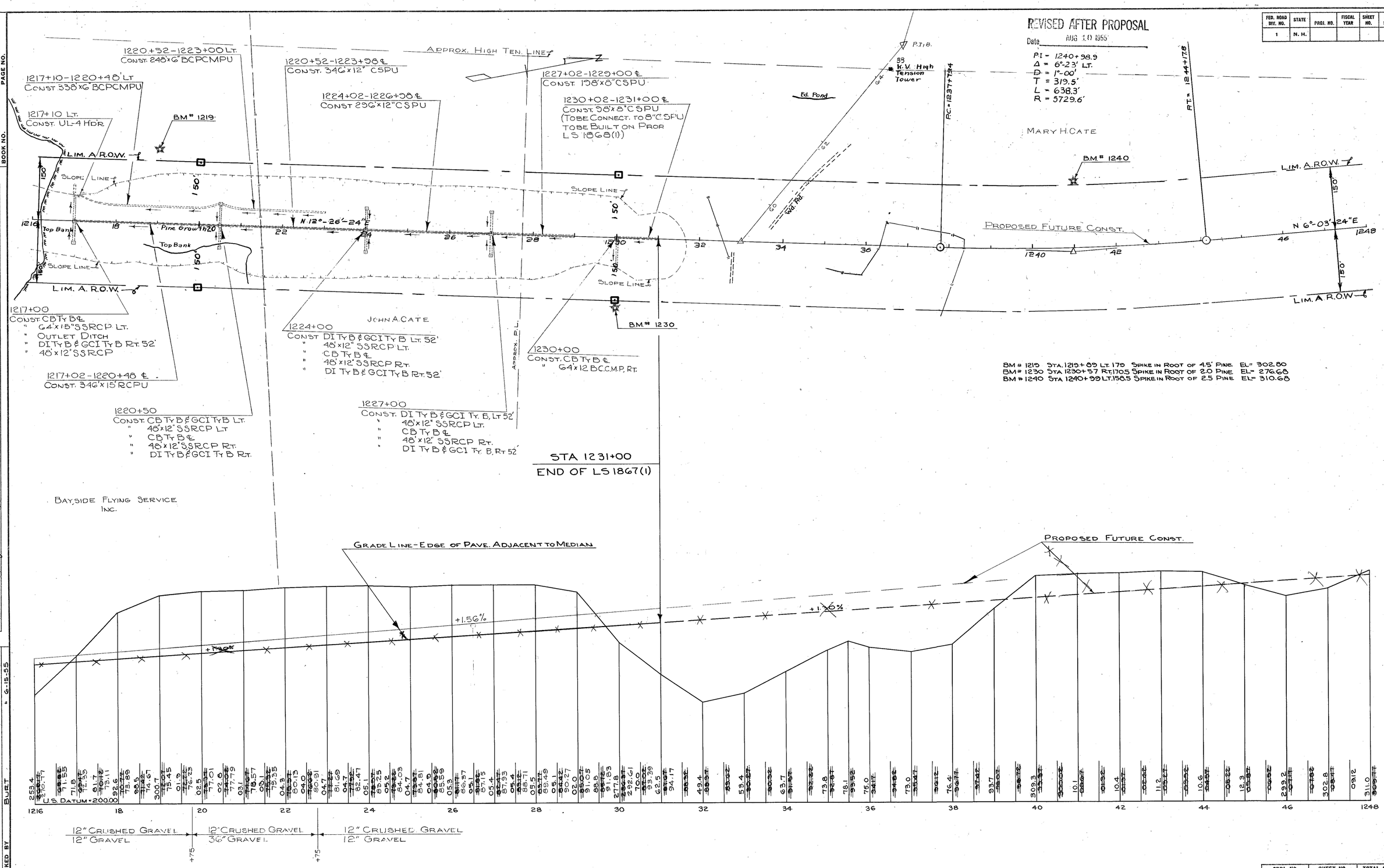
REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.	DESCRIPTION
8-10-55	1204+50 - 1231+00	GRADE CHANGE
" 9/7/55	34+50 Rt. - Lester Rd. - J. Flanders Prop. added.	
ROW Checked By J. Yannekis		4-11-73

		DATE
PLAN TRACED BY	AMROI	5-6-54
" CHECKED "	OKEKE	" 7-9-54
PROFILE TRACED BY	VIRGIN	" 7-27-54
" CHECKED "	NORCROSS	" 8-13-54
INKED BY	HODGES	" 6-14-55
CHECKED BY	NORCROSS	" 6-15-55

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	17	163

100-8-53 B. L. M. INC. "ARKWRIGHT" TRACING CLOTH 4263



FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS1867(1)	18	163

NOTE BOOKS (USE BOTTOM LINES FIRST)

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

REVISIONS AFTER PROPOSAL

DATE 8-10-55 STA. TO STA.

DESCRIPTION GRADE CHANGE - STA. 1204+50 - 1231+00

ROW Checked By J. Yannelis 4-11-73

PLAN TRACED BY	Amrol DATE 5-5-54
" CHECKED "	VIRGIN " 7-12-54
PROFILE TRACED BY	VIRGIN " 7-27-54
" CHECKED "	NORCROSS " 8-13-54
INKED BY	VIRGIN & NORCROSS " 6-14-55
CHECKED BY	BURT " 6-15-55

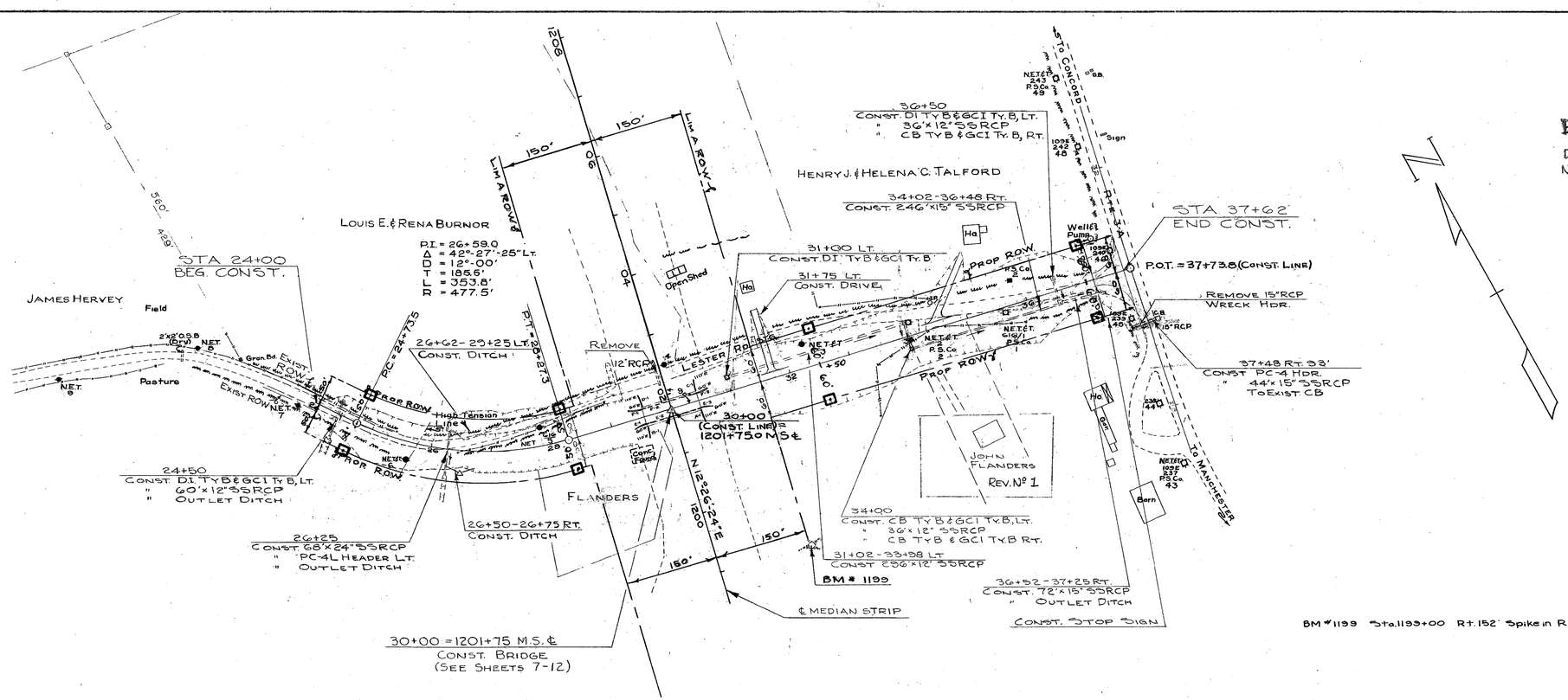
500-8-53 B. L. M. INC. "ARRIVISION" TRACING CLOTH 4263

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

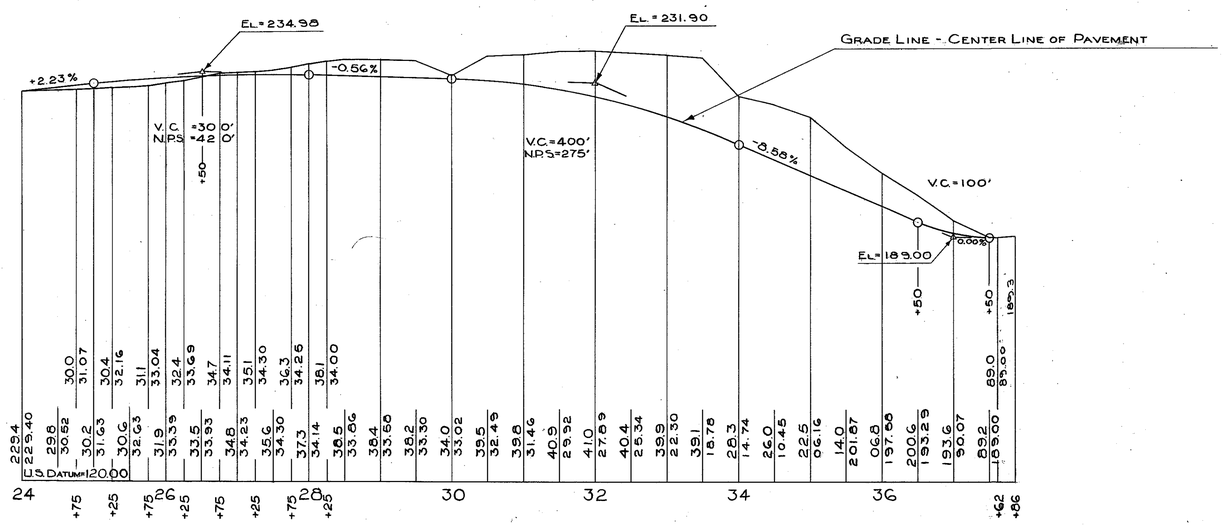
REVISED AFTER PROPOSAL

Date

Nº 1. Sta. 34+50 Rt., Flanders prop. added. 9/7/55



BM #1199 Sta. 1199+00 Rt. 152' Spike in Root of 2.5' Pine El. = 240.72



LESTER ROAD

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867(1)	19	163

NOTE BOOKS (USE BOTTOM LINES FIRST)

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

REVISIONS AFTER PROPOSAL

DATE	STA.	TO	STA.	DESCRIPTION
9/7/55	34+50 Rt.			J. Flanders, prop. added

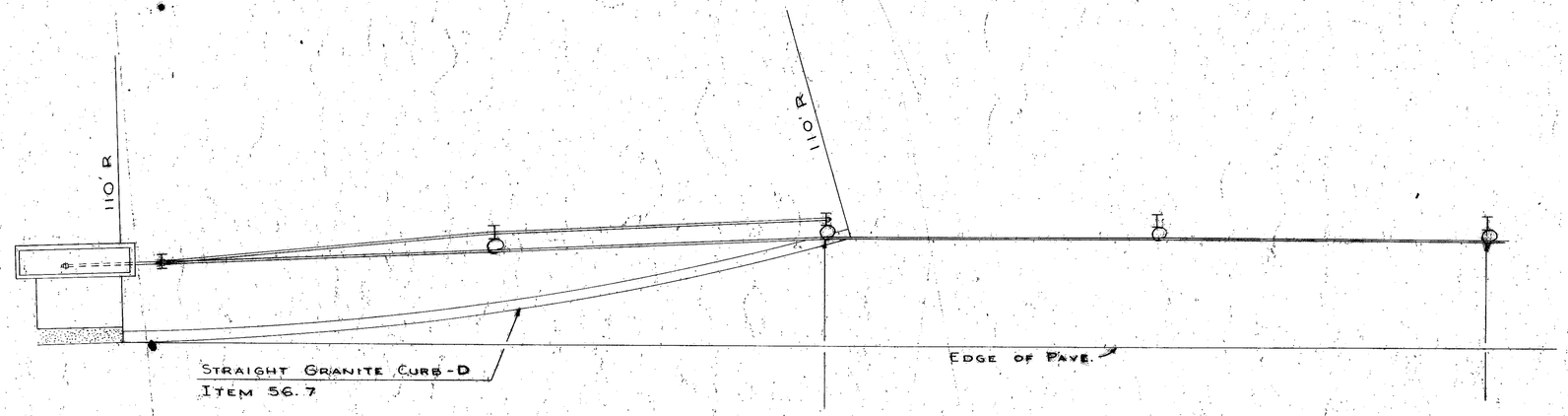
PLAN TRACED BY	HODGES	DATE	9-10-54
" CHECKED "	CATE	"	9-13-54
PROFILE TRACED BY	VIRGIN	"	9-10-54
" CHECKED "	CATE	"	9-13-54
INKED BY	HODGES	"	6-14-55
CHECKED BY	NORCROSS	"	6-15-55

4-17-75 R.O.W. PLAN CHECKED, R.A. GOODRICH

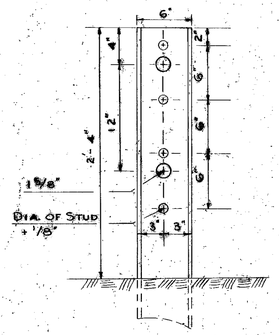
10-8-53 B. L. M. INC. "WASHINGTON" TRACING CLOTH 4263

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

NOTE:
CABLE AND FITTINGS IN ADDITION TO THOSE IN MULTI-CABLE GUARD RAIL, GR-2B SHALL BE CONSIDERED SUBSIDIARY TO ITEM 60.2. FOR ADDITIONAL DETAILS SEE STD. SHEET NO. 6.

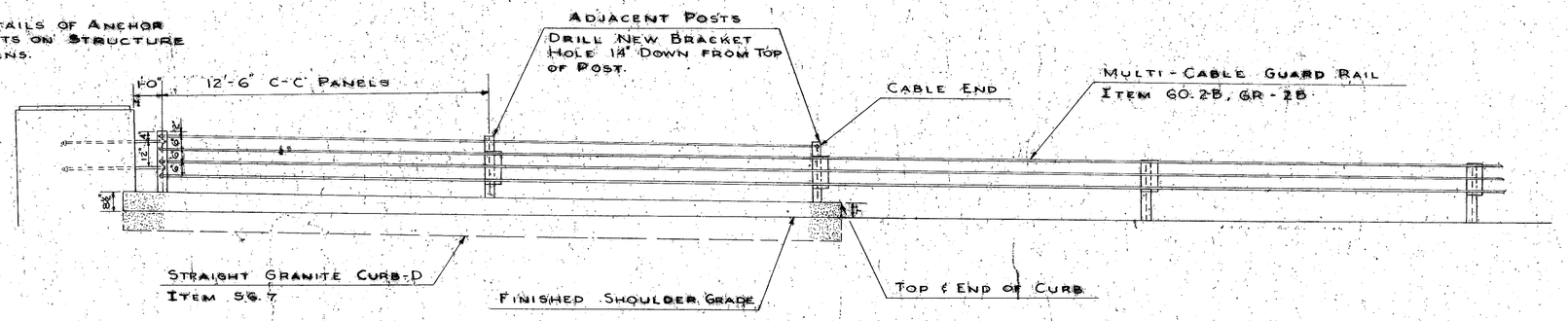


PLAN VIEW - ALL SIDES - FROM ℄



DETAIL OF END POST
SCALE: 1½" = 1'-0"

NOTE:
DETAILS OF ANCHOR BOLTS ON STRUCTURE PLANS.



ELEVATION - ALL SIDES - FROM ℄
SCALE: 3/8" = 1'-0"

AT STRUCTURE
STA. 1201+75±

MULTI-CABLE GUARD RAIL AND CURB DETAIL

4321-D

PROJ. NO.	SHEET NO.	TOTAL SHEETS
LS 1867 (1)	20	168

NOTE BOOKS (USE BOTTOM LINES FIRST)

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

REVISIONS AFTER PROPOSAL

DATE	STA.	TO	STA.	DESCRIPTION

	DATE
PLAN TRACED BY	
" CHECKED "	"
PROFILE TRACED BY	
" CHECKED "	"
INKED BY	
CHECKED BY	