

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	T-1715	1	11

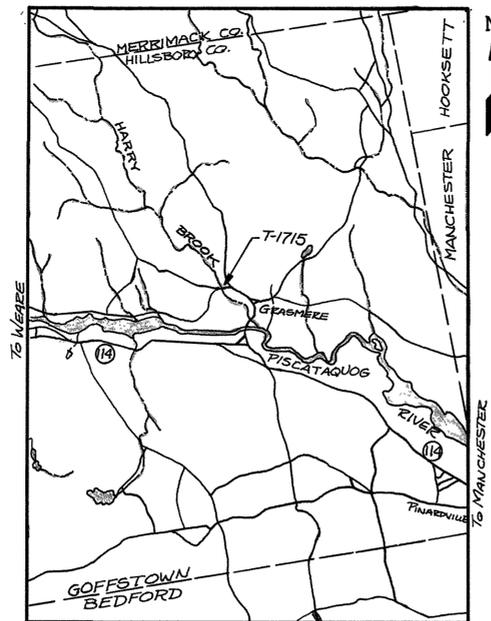
INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
2	GENERAL PLAN, SECTIONS & DETAILS
3	BORING PLAN & CONTOURS
4	PLAN & PROFILE
5	TYPICAL CROSS SECTION
6-16	CROSS SECTIONS
	STANDARD SHEET NO. 3, REVISED MAY 8, 1970
	STANDARD SHEET NO. 4, REVISED AUG. 1, 1969
	STANDARD SHEET NO. 6, REVISED JUNE 2, 1966

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

PLANS OF PROPOSED T.R.B.-C PROJECT CENTER STREET OVER HARRY BROOK N.H. PROJECT NO. T-1715

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH
STANDARD SPECIFICATIONS DATED 1969



LOCATION MAP
Scale in Miles
1 1/2 0 1

TOWN OF GOFFSTOWN
COUNTY OF HILLSBORO

CONVENTIONAL SIGNS

STATE LINE	-----	R O W LINE	-----
TOWN LINE	-----	SURVEY LINE	-----
FENCE		CULVERT	=====
STONE WALL	o o o	POWER POLE	⬤
UNFENCED PROPERTY	-----	TELEPHONE POLE	⬤
TRAVELED WAY	-----	TELEGRAPH POLE	⬤
RAILROAD	=====	JOINT POWER & TEL. POLE	⬤
RETAINING WALL	~~~~~	GROUND ELEVATION (LEFT)	11.1
SEWER MANHOLE	⊙	GRADE ELEVATION (RIGHT)	11.1
HYDRANT	⊙	SLOPE LINE	1.0% 1.0% 1.0%
LEDGE	TTTTT	CATCH BASIN	⊕
BRUSH LINE	-----	DROP INLET	⊕
SWAMP	-----	BOUND	o o
PROPERTY PARCEL NO.	②	CLEARING & GRUBBING AREA	ⓔ

RECOMMENDED FOR APPROVAL: DATE 11-5-71

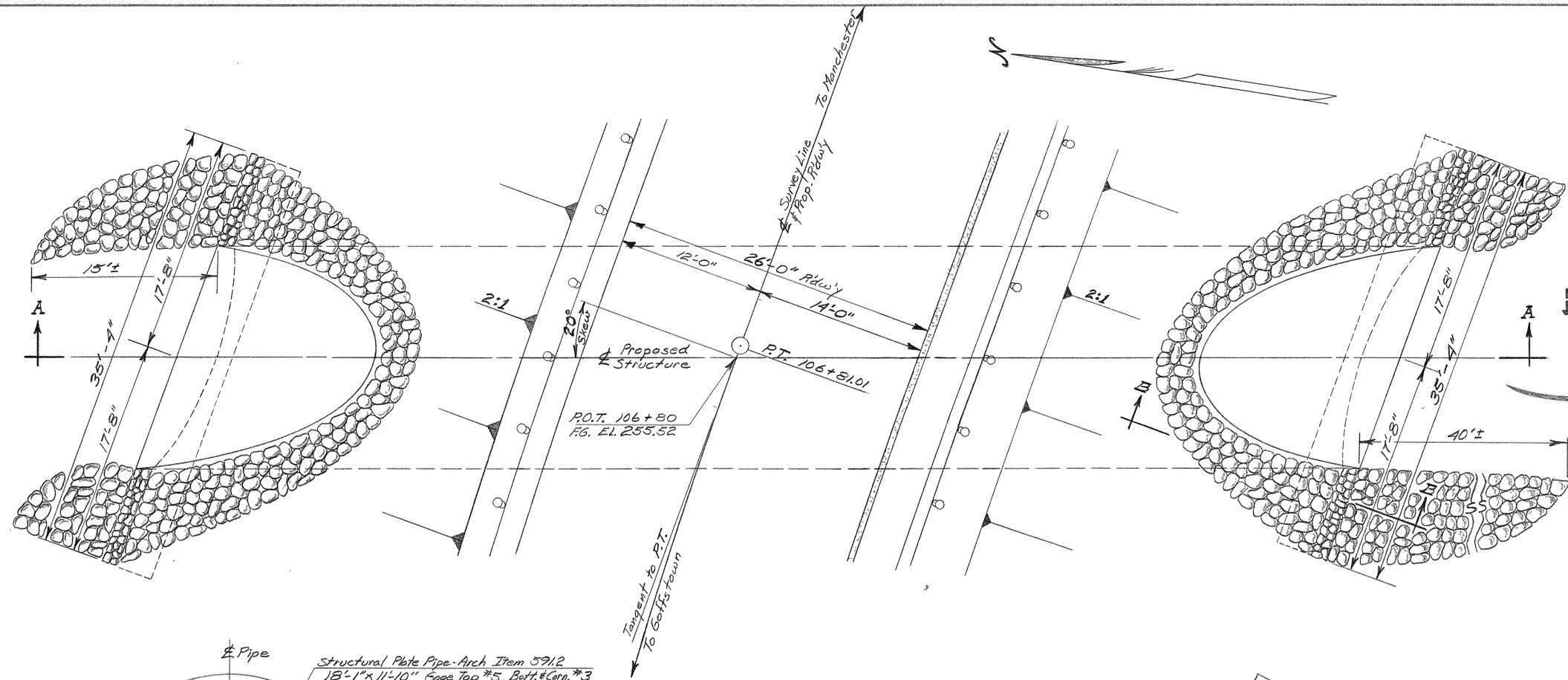
Reuel W. Webb
DEPUTY COMMISSIONER AND CHIEF ENGINEER

APPROVED: *R. H. Cutler*
COMMISSIONER

Floyd L. Avery
SECONDARY ROADS ENGINEER

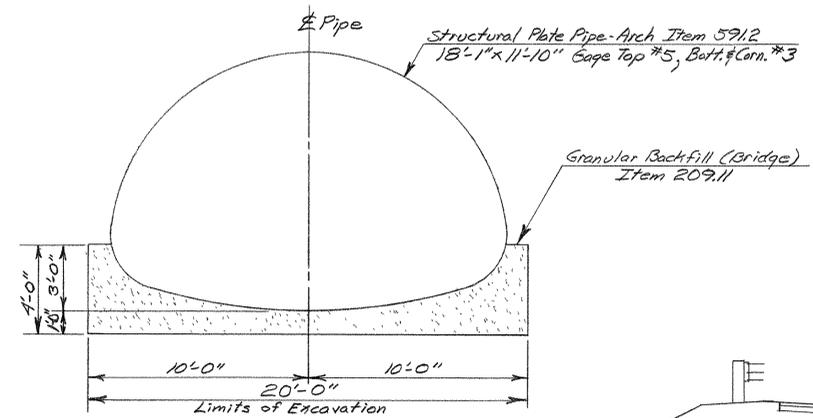
DRAWN BY *DKP* DATE 7/71
CHECKED BY *JRS* DATE 8/71

PROJ. NO.	SHEET NO.	TOTAL SHEETS
T-1715	1	11

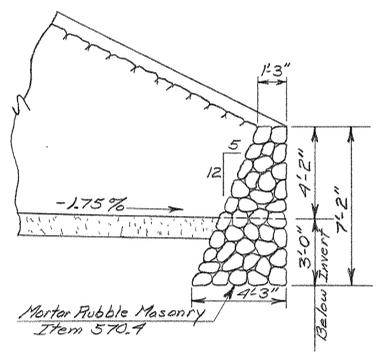


HARRY BROOK

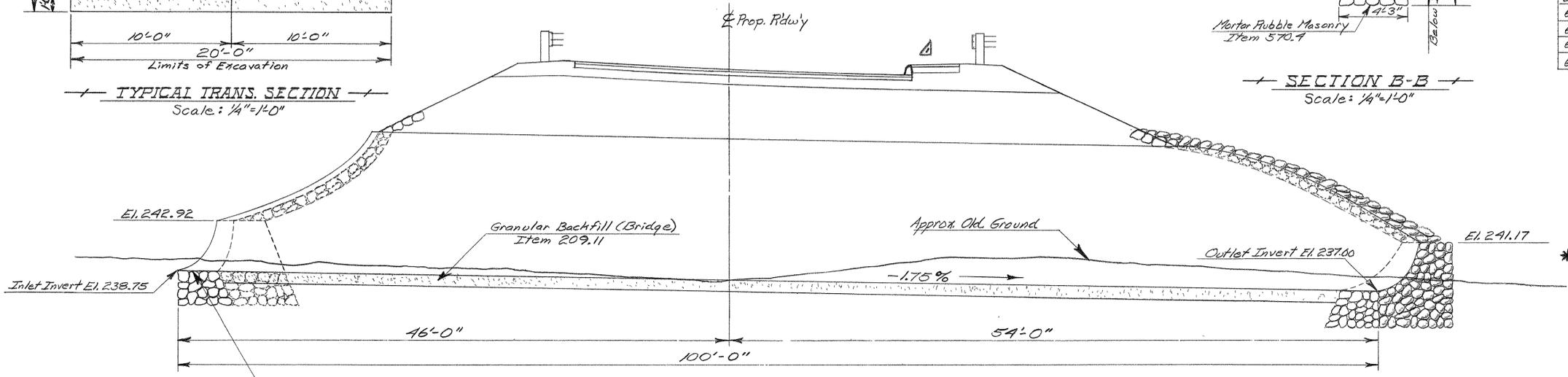
QUANTITIES		
Item No.	Description	Quantity
203.1	Common Excavation	1200 C.Y.
203.5	Borrow	9370 C.Y.
207.3	Unclassified Channel Excavation	115 C.Y.
209.11	Granular Backfill (Bridge)	126 C.Y.
214	Fine Grading	1 unit
304.2	Gravel	1180 C.Y.
304.3	Crushed Gravel	250 C.Y.
410.32	Asphalt Surface Treatment Incl. Blotter Material	2200 Gal.
502	Removal of Existing Bridge Structure	1 unit
504.1	Common Bridge Excavation	200 C.Y.
504.2	Rock Bridge Excavation	10 C.Y.
570.4	Mortar Rubble Masonry	41 C.Y.
583.1	Piprap A	43 C.Y.
591.2	Structural Plate Pipe-Arch (18'-11" x 11'-10")	1 unit
603.00218	18" R.C. Pipe, 2000D, Incl. Specified Excavation	24 L.F.
603.07612	12" B.C.C. Steel Pipe, 1/2 Gage, Incl. Spec. Exc.	248 L.F.
603.33012	B.C. Steel End Sections for 12" Pipe, Incl. Spec. Exc.	1 ea.
604.11	Catch Basins Type A	3 units
604.21	Drop Inlets Type A	2 units
* 606.333	Three-Cable Guard Rail (GR-333)	710 L.F.
606.81	Anchorage for Cable Guard Rail	4 ea.
** 615.421	Amber Delineator Reflector Faces	35 ea.
619.1	Maintenance of Traffic Including Dust Laying	1 unit
641.0A	Loom 4" Deep	2020 S.Y.
643.1	Fertilizer	530 Lb.
644.1	Park Seed Type 11	50 Lb.
644.3	Slope Seed Type 31	50 Lb.
645.1	Mulch	2.1 Ton



TYPICAL TRANS. SECTION
Scale: 1/4" = 1'-0"



SECTION B-B
Scale: 1/4" = 1'-0"



SECTION A-A
Scale: 3/16" = 1'-0"

3/4" ϕ Standard hook bolts & nuts
Space at 18" \pm . Place between
Structural Plate Pipe-Arch and
the Mortar Rubble Masonry.
(Typ. both ends)

Functions of 20° Skew
Sin. = 0.34202
Tan. = 0.36397
Sec. = 1.06418

GENERAL NOTES:
Design Loading H20-44
Specifications AASHTO 1969 and NHDPN & Hwys. 1969.
Proposed Waterway Area 168 sq. ft.
Traffic to be maintained at all times.
No temporary bridge needed.
Salvage Stringers to Town.
* GR-333 refers to GR-3A on Standard Sheet #6
** For Detail of Amber Delineators see sheet #5

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BRIDGE DESIGN DIVISION

TOWN Goffstown BRIDGE NO. 129/116
FEDERAL PROJECT _____ STATE PROJECT T-1715
LOCATION Center St. over Harry Brook

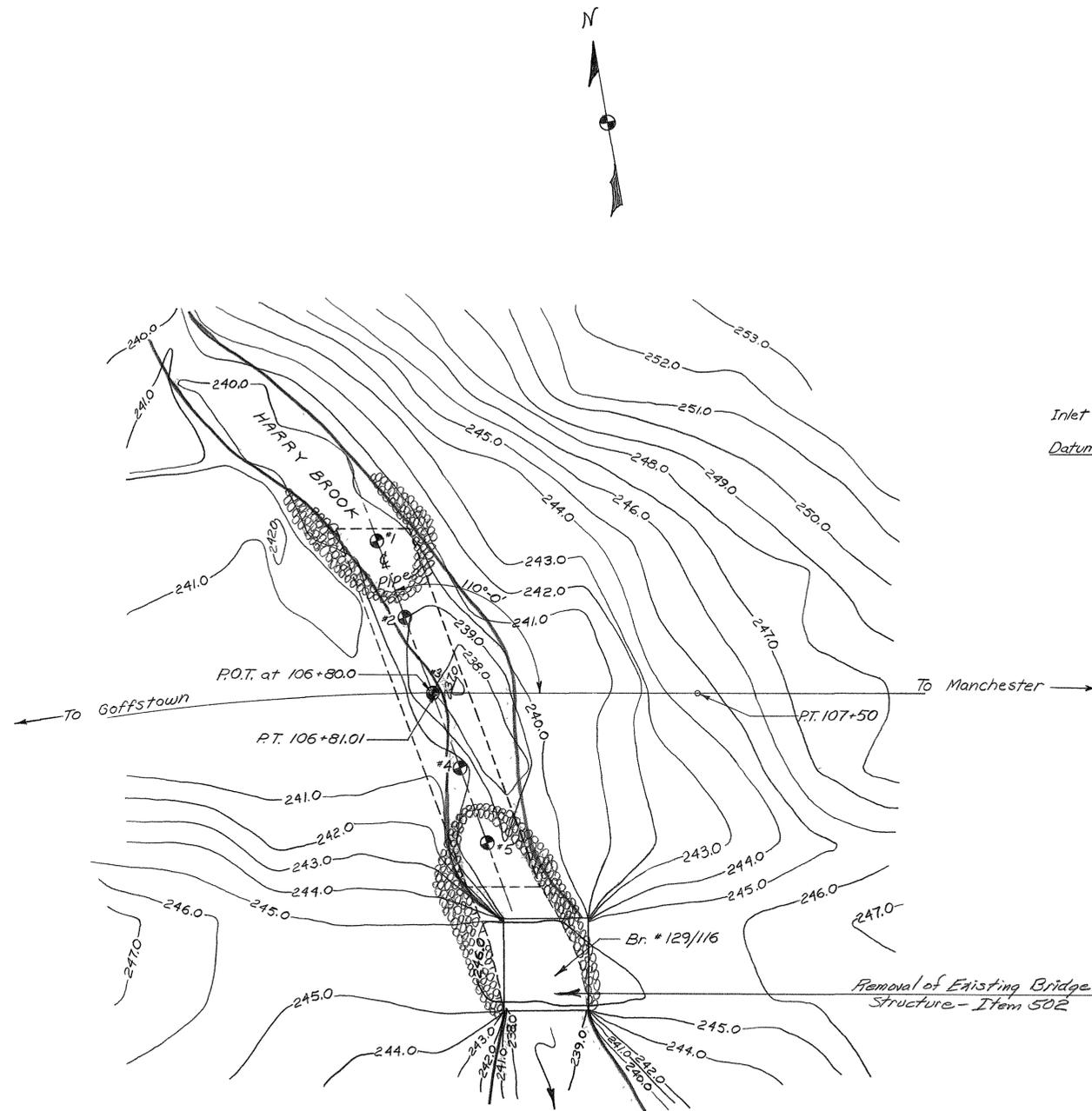
Sheet Scale As Noted

DESIGNED, CHECKED, TRACED, QUANTITIES					
BY	DATE	CHECKED	DATE	BY	DATE
WAB	6-71	JRS	8-71	JRS	8-71
WAB	6-71	JRS	8-71	JRS	8-71
WAB	6-71	JRS	8-71	JRS	8-71

REVISIONS	DESCRIPTION	BY	DATE
Δ	Sidewalk Additions	WAB	6-71
Δ			

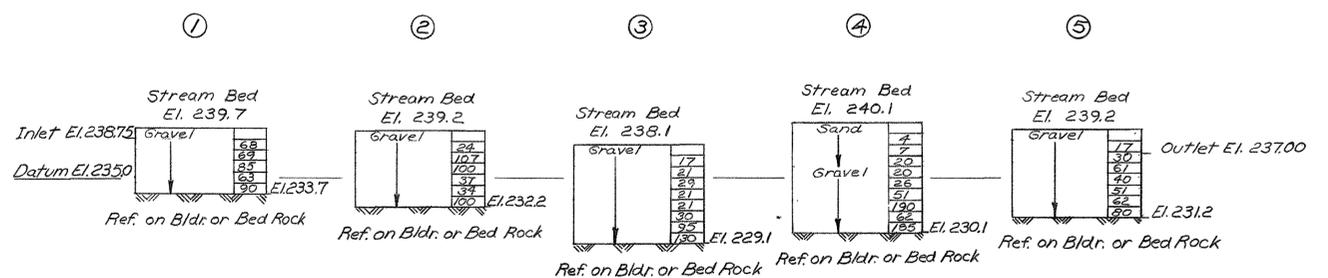
REVIEWED BY	PROJ. NO.	SHEET NO.	TOTAL SHEETS
	T-1715	2	11

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



—PLAN—
Scale 1"=20'

B.M. #58 El. 245.34
Sta. 58+66 Back Traverse, Lt. 38.5'
N.E. Corner Concrete Bottom Step



LOG OF BORINGS
Scale 1/8"=1'-0"

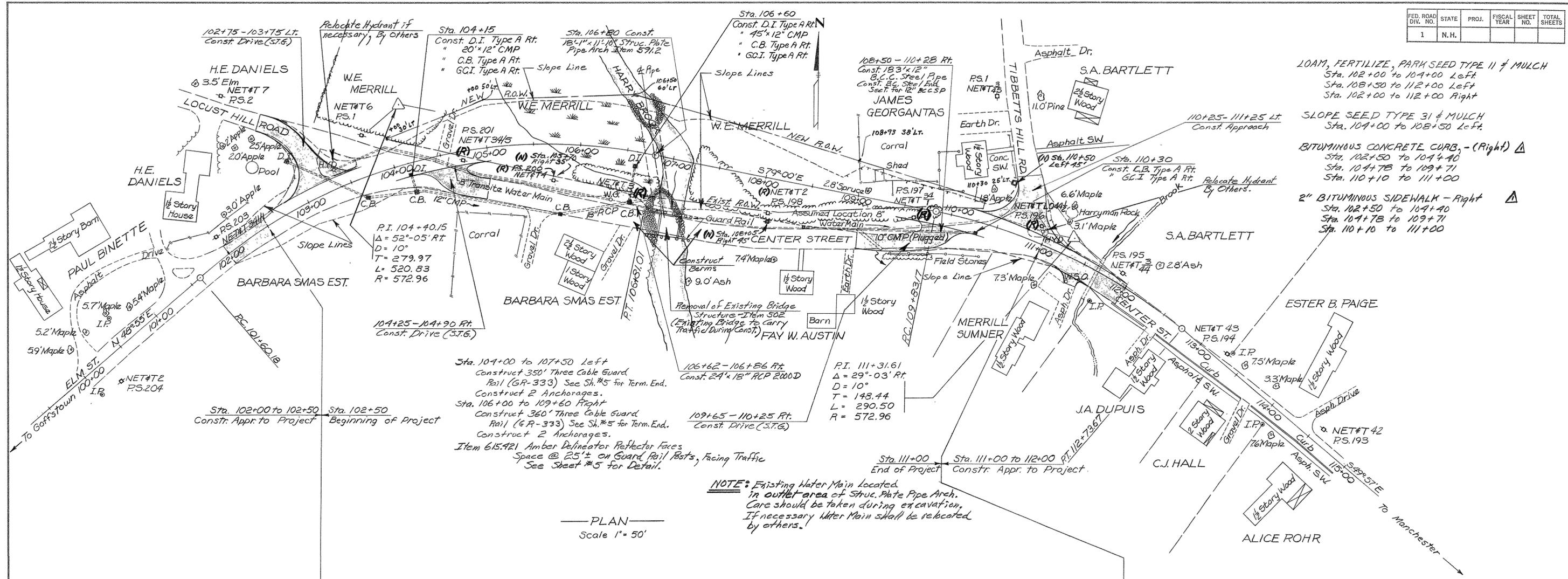
Boring Notes:

Borings indicated thus ⊕ were made by N.H.D.P.W. & Hwy's in Sept. 1971. Figures in right-hand column indicate the number of blows required to drive a 1 1/2" O.D. A-rod one foot, using 140 lb. weight falling 30 inches. Borings are for design purposes and show conditions at boring points only, and do not necessarily indicate materials to be encountered during construction. Boring samples may be examined upon request.

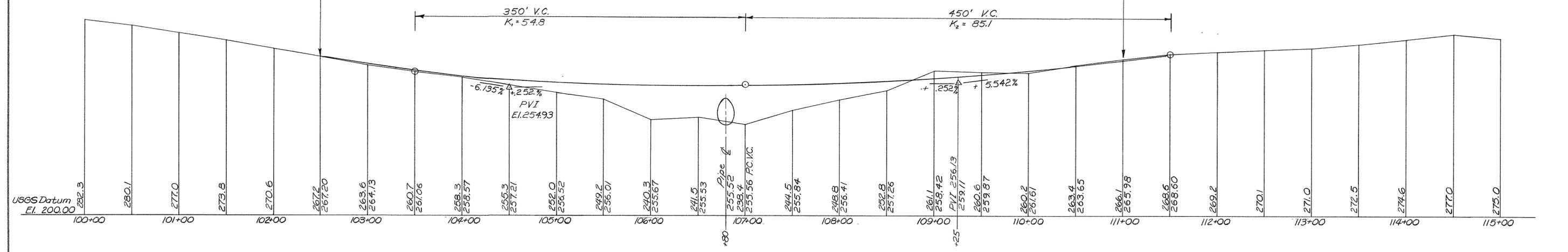
STATE OF NEW HAMPSHIRE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BRIDGE DESIGN DIVISION			
TOWN <u>Goffstown</u>	BRIDGE NO. <u>129/116</u>		
FEDERAL PROJECT _____	STATE PROJECT <u>T-1715</u>		
LOCATION <u>Center St. over Harry Brook</u>			

BORING PLAN & CONTOURS					
DESIGNED <u>WAB</u>	BY _____	DATE <u>8/71</u>	CHECKED <u>JRS</u>	BY _____	DATE <u>8/71</u>
DRAWN <u>JRS</u>	BY _____	DATE <u>8/71</u>	CHECKED <u>WAB</u>	BY _____	DATE <u>8/71</u>
TRACED _____	BY _____	DATE _____	CHECKED _____	BY _____	DATE _____
QUANTITIES <u>WAB</u>	BY _____	DATE <u>8/71</u>	CHECKED <u>JRS</u>	BY _____	DATE <u>8/71</u>
REVISIONS	BY	DATE			
REVIEWED BY _____	PROJ. NO. <u>T-1715</u>	SHEET NO. <u>3</u>	TOTAL SHEETS <u>11</u>		

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



PLAN
Scale 1" = 50'



PROFILE
Scale: 1" = 50' Horiz.
1" = 20' Vert.

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BRIDGE DESIGN DIVISION

TOWN GOFFSTOWN BRIDGE NO. 129/116
FEDERAL PROJECT _____ STATE PROJECT T-1715
LOCATION CENTER STREET OVER HARRY BROOK

PLAN & PROFILE			
DESIGNED	WAB	BY DATE	7-71
DRAWN	DKP	CHECKED	JRS 8-71
TRACED		CHECKED	JRS 8-71
QUANTITIES	WAB	CHECKED	JRS 8-71
REVISIONS			
REVIEWED BY		PROJ. NO.	T-1715
		SHEET NO.	4
		TOTAL SHEETS	11

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

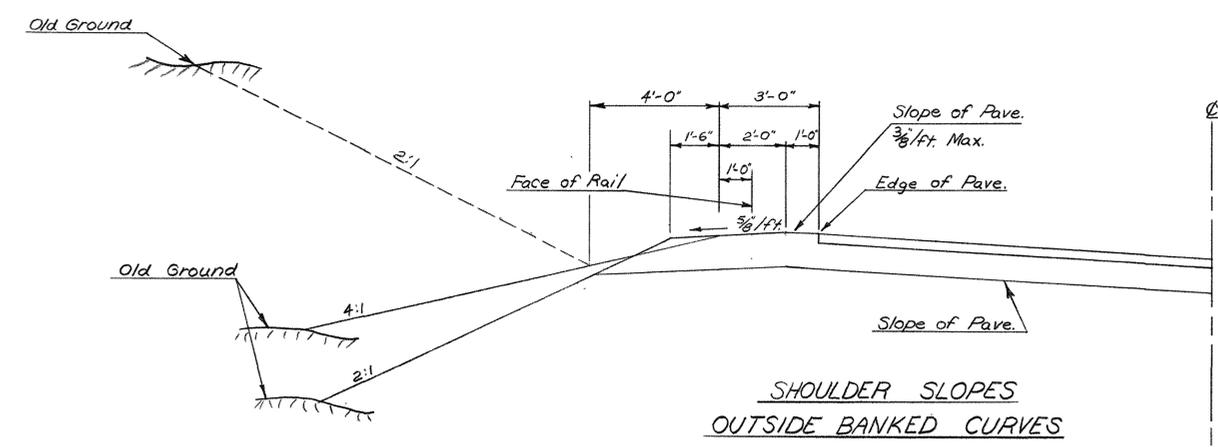
TYPICAL SECTION OF IMPROVEMENT

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

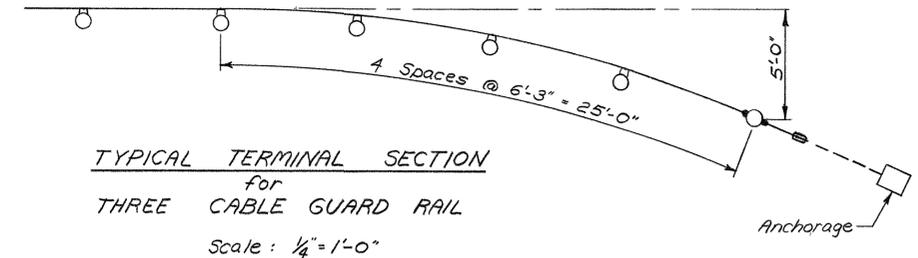
GENERAL NOTES

Item 110.32 Asphalt Surface Treatment Including Blotter Material 0.75 gallons per square yard to be applied in two applications at 0.50 and 0.25 gallons per square yard respectively.

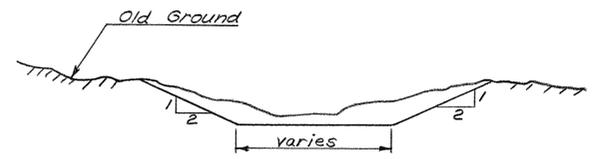
Relocation of utility poles will be done by the owner or his authorized representative, not a part of this contract. The contractor shall cooperate with the owner in every way to facilitate the completion of the work.



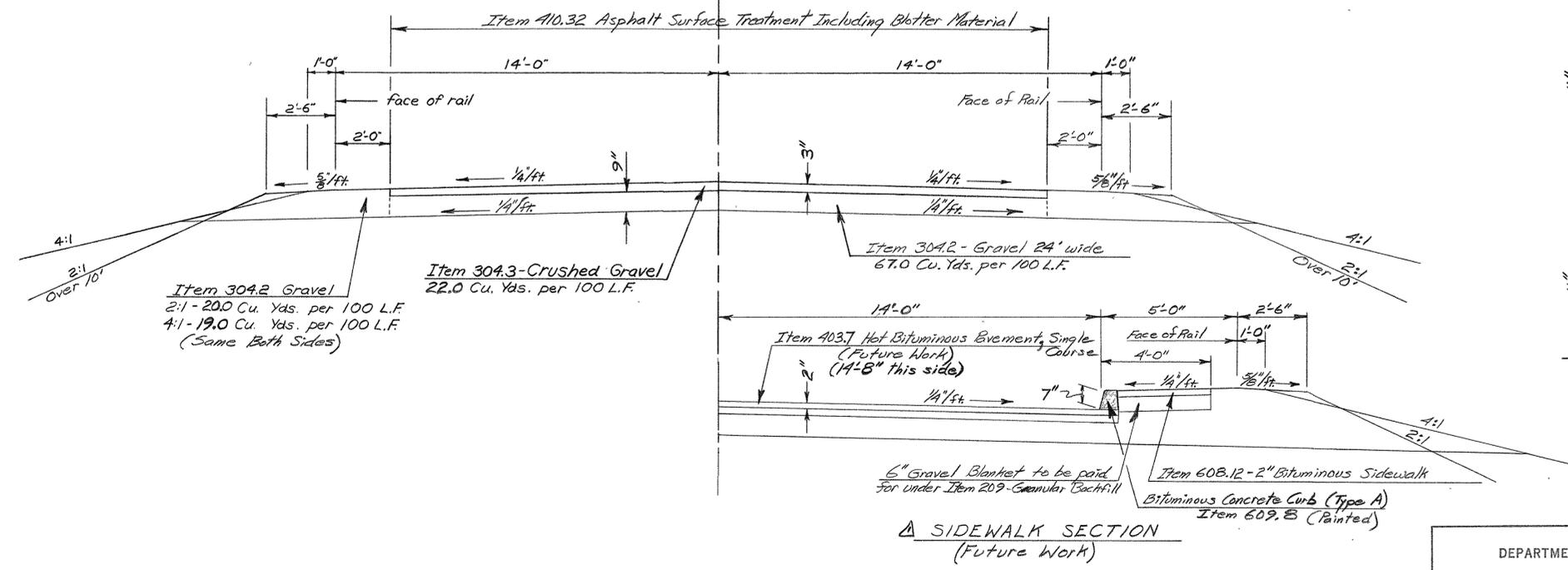
SHOULDER SLOPES OUTSIDE BANKED CURVES



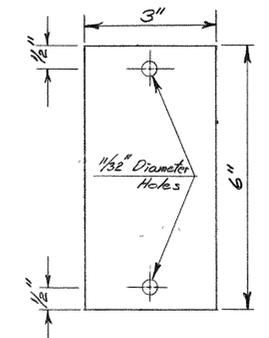
TYPICAL TERMINAL SECTION for THREE CABLE GUARD RAIL
Scale: $\frac{1}{4}'' = 1'-0''$



TYPICAL SECTION OF CHANNEL IMPROVEMENT
N.T.S.



△ SIDEWALK SECTION (Future Work)



AMBER DELINEATOR DETAIL
 $\frac{1}{2}$ Scale
NOTE: Shall be mounted on Guard Rail Posts @ 25' ± facing Traffic

Sheet Scale As Noted

STATE OF NEW HAMPSHIRE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BRIDGE DESIGN DIVISION			
TOWN <u>Goffstown</u>	BRIDGE NO. <u>129/116</u>		
FEDERAL PROJECT	STATE PROJECT <u>T-1715</u>		
LOCATION <u>Center St over Harry Brook</u>			

<u>TYPICAL CROSS SECTION</u>						
DESIGNED <u>WAB</u>	BY <u>WAB</u>	DATE <u>8-71</u>	CHECKED <u>JRS</u>	BY <u>JRS</u>	DATE <u>8/71</u>	BRIDGE SHEET NO. OF
DRAWN <u>JRS</u>	BY <u>JRS</u>	DATE <u>6-72</u>	CHECKED <u>WAB</u>	BY <u>WAB</u>	DATE <u>8/71</u>	FILE NUMBER
TRACED	BY	DATE	CHECKED	BY	DATE	3-15-1/1
QUANTITIES <u>WAB</u>	BY <u>WAB</u>	DATE <u>8-71</u>	CHECKED <u>JRS</u>	BY <u>JRS</u>	DATE <u>8/71</u>	
REVISIONS						
REVIEWED BY	PROJ. NO. <u>T-1715</u>	SHEET NO. <u>5</u>	TOTAL SHEETS <u>16</u>			