

SCHEDULE OF BRIDGE QUANTITIES

ITEM NO	ITEM	QUANTITY						Totals	UNIT
		BR.No. 2282	BR.No. 2283	BR.No. 2284	BR.No. 2285	BR.No. 2286	BR.No. 2287		
103	Dry Excavation for Structures	65	63	99	68	75	103	473	Cu. Yd.
103	Wet Excavation for Structures	78	73	60	42	38	105	396	Cu. Yd.
103	Solid Rock Excavation for Structures	4	18	6	1	-	22	48	Cu. Yd.
SP&B02	Class "A" Concrete for Bridges	37.4	23.9	34.6	18.5	23.2	69.2	206.8	Cu. Yd.
SP&B02	Class "S" Concrete for Bridges	19.1	21.9	15.0	12.3	22.3	15.0	105.6	Cu. Yd.
803	Reinforcing Steel	5840	5700	5180	3360	5190	6890	32160	Lb.
SP&B-3	Steel Plate Guard Rail (1092)	107.7	66.7	86.2	70.4	62.3	80.4	477.7	Lin. Ft.
807	Structural Steel in Beam Spans	13150	-	9150	7240	-	9370	38910	Lb.
SP	Remodeling Existing Bridges and Maintaining Traffic.	22%	12%	19%	15%	13%	19%	100%	Complete Item

SUMMARY OF QUANTITIES

BRIDGES ON ALMA-NOLBERRY ROAD

CRAWFORD COUNTY

ROUTE 64 SEC 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK

Drawn By

DR

Date

4-1-51

Traced By

Date

Checked By

LLS

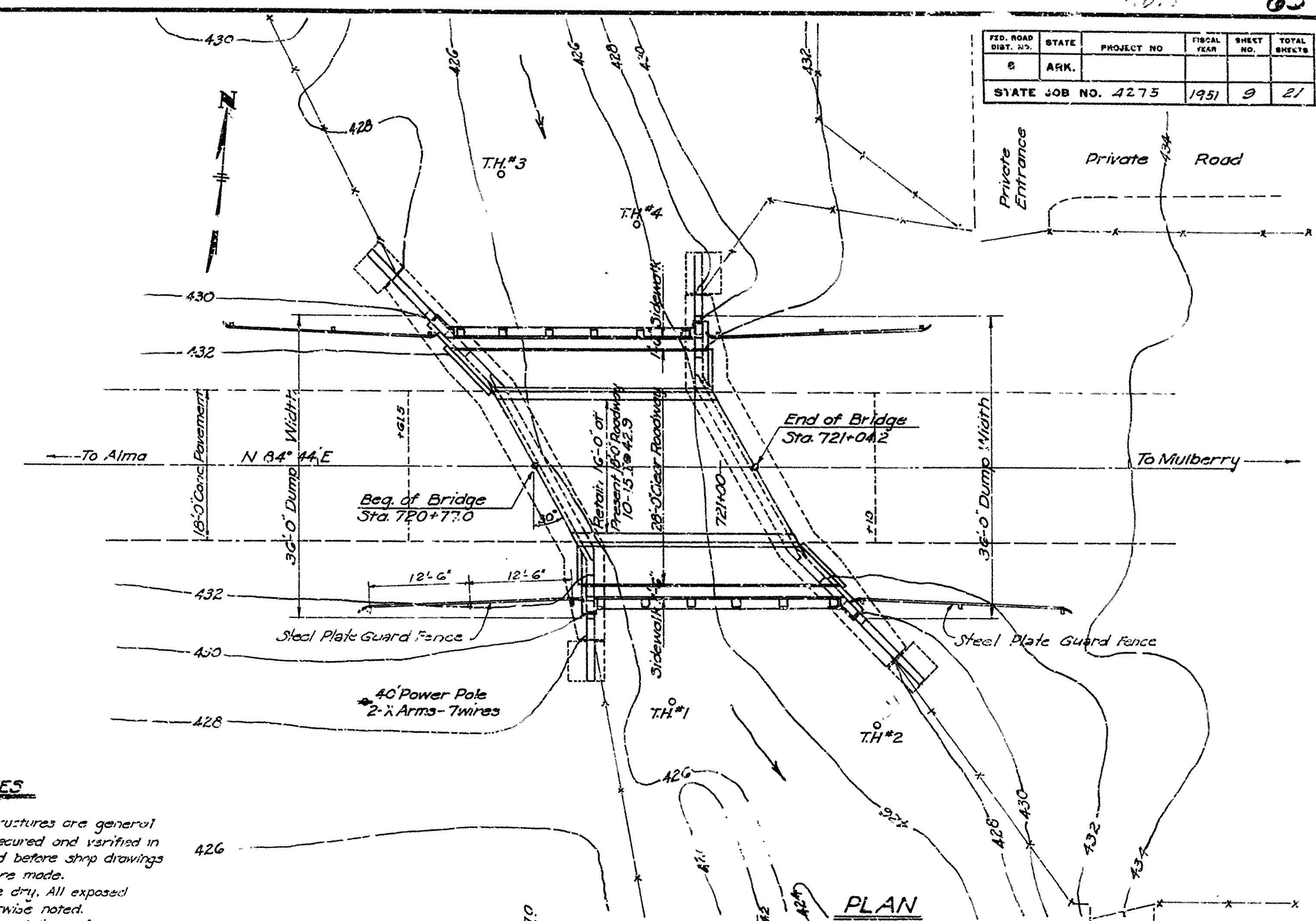
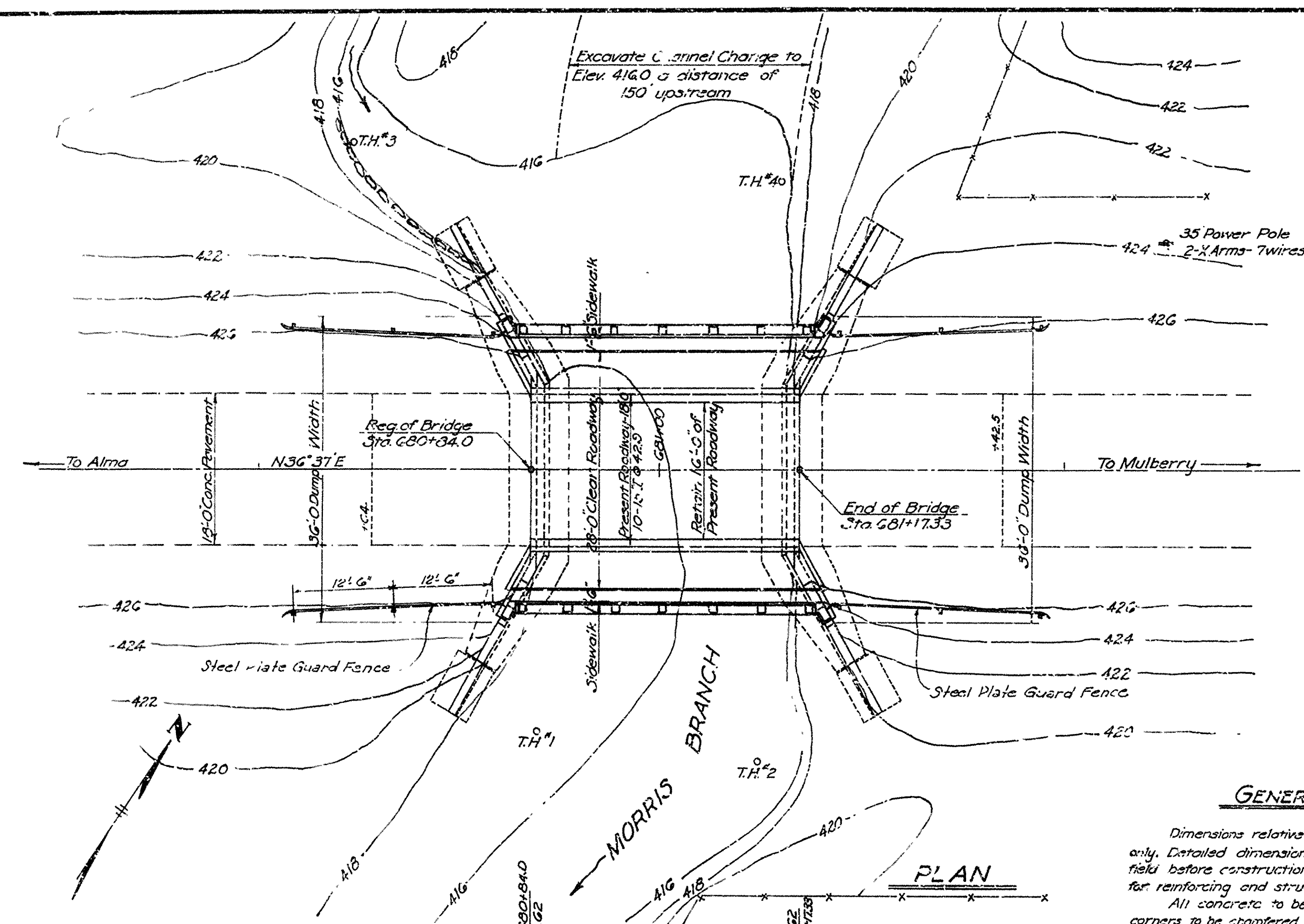
Date

5-15-51

BRIDGE NO. 2282-2287 DRAWING NO. 7530

BRIDGE DESIGN ENGINEER

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.				
STATE JOB NO. 4275			1951	9	21



GENERAL NOTES

Dimensions relative to present structures are general only. Detailed dimensions are to be secured and verified in field before construction is begun and before shop drawings for reinforcing and structural steel are made.

All concrete to be poured in the dry. All exposed corners to be chamfered $\frac{1}{2}$ " unless otherwise noted.

Rock excavation shall be made to rest lines of concrete footings. Care shall be taken to avoid shattering of rock mass by excessive blasting.

In general all construction joints in new work of abutments shall be horizontal and shall be provided with keys not less than 2" deep and covering the middle third of both dimensions.

Reinforcing steel to be deformed bars of structural or intermediate grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.

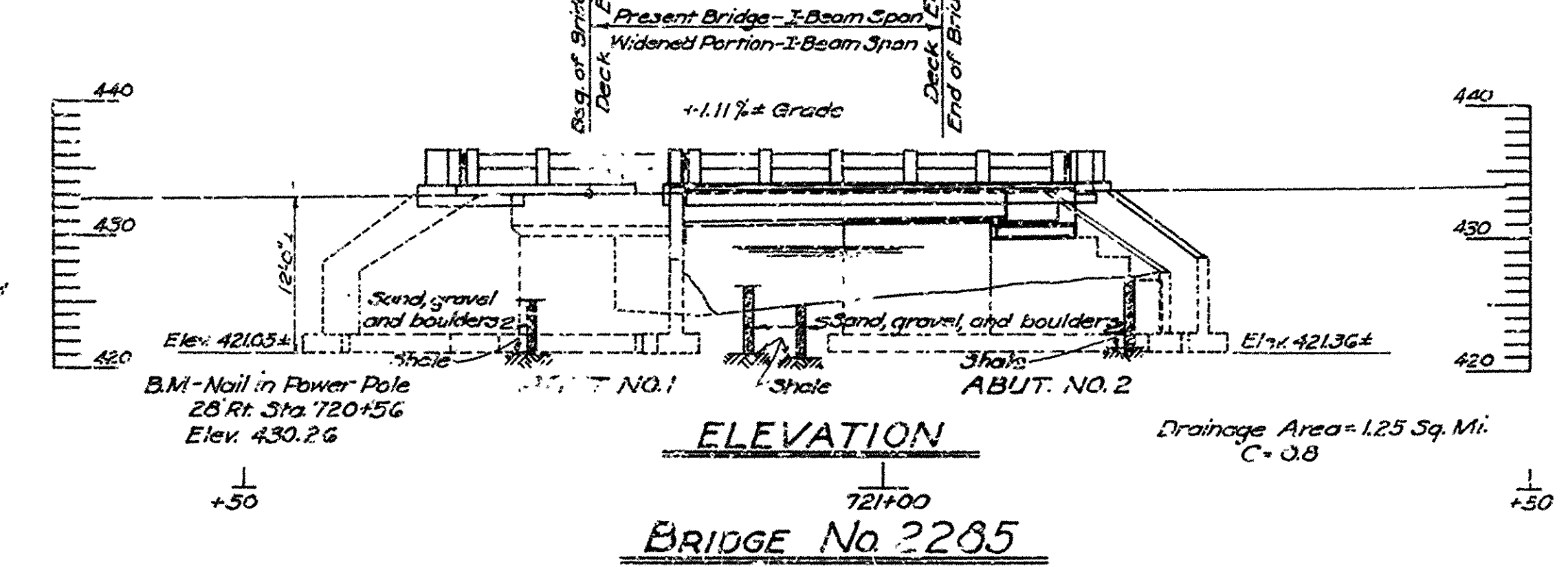
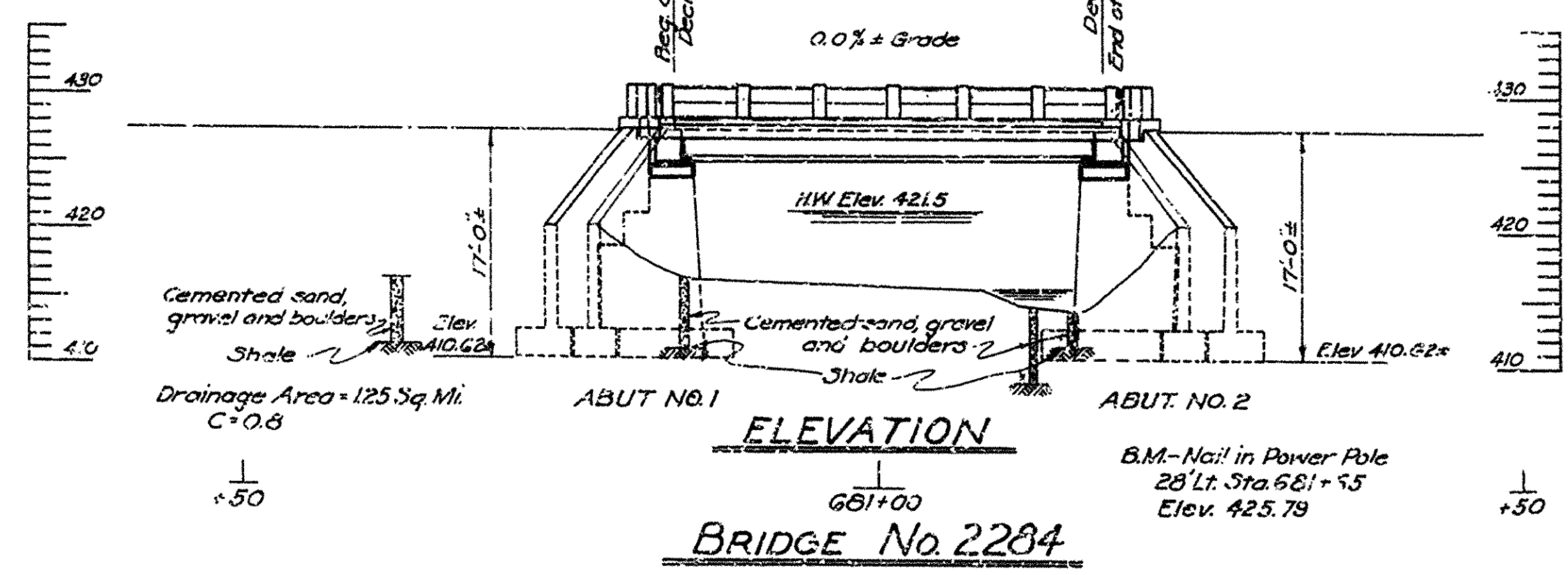
For details of Abutments No. 1 & 2 of Bridge No. 2284, see Drawing No. 7944.

For details of Superstructure of Bridge No. 2284, see Drawing No. 7945.

For details of Abutments No. 1 & 2 of Bridge No. 2285, see Drawing No. 7946.

For details of Superstructure of Bridge No. 2285, see Drawing No. 7947.

Specifications: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, adopted March 1, 1950.



QUANTITIES FOR BRIDGE No. 2284

ITEM NO.	ITEM	ABUT. NO. 1	SPAN	ABUT. NO. 2	TOTALS	UNIT
103	Dry Excavation for Structures	42	—	57	99	Cu. Yd.
103	Wet Excavation for Structures	30	—	30	60	Cu. Yd.
103	Solid Rock Excav. for Structures	3	—	3	6	Cu. Yd.
SP&B02	Class "A" Concrete for Bridges	17.3	—	17.3	34.6	Cu. Yd.
SP&B02	Class "S" Concrete for Bridges	—	15.0	—	15.0	Cu. Yd.
805	Reinforcing Steel	1220	2740	1220	5180	Lb.
805-3	Steel Plate Guard Rail	—	36.2	—	36.2	Lin. Ft.
807	Structural Steel in Beam Spans	—	3150	—	3150	Lb.
3.P	Remodeling Existing Bridges and Maintaining Traffic	—	—	—	19%	Complete Item

QUANTITIES FOR BRIDGE No. 2285

ITEM NO.	ITEM	ABUT. NO. 1	SPAN	ABUT. NO. 2	TOTALS	UNIT
103	Dry Excavation for Structures	34	—	34	68	Cu. Yd.
103	Wet Excavation for Structures	21	—	21	42	Cu. Yd.
103	Solid Rock Excav. for Structures	0.5	—	0.5	1	Cu. Yd.
SP&B02	Class "A" Concrete for Bridges	9.25	—	9.25	18.5	Cu. Yd.
SP&B02	Class "S" Concrete for Bridges	—	12.3	—	12.3	Cu. Yd.
805	Reinforcing Steel	770	1820	770	3360	Lb.
805-3	Steel Plate Guard Rail	—	70.4	—	70.4	Lin. Ft.
SP&B07	Structural Steel in Beam Spans	—	7240	—	7240	Lb.
3.P	Remodeling Existing Bridges and Maintaining Traffic	—	—	—	15%	Complete Item

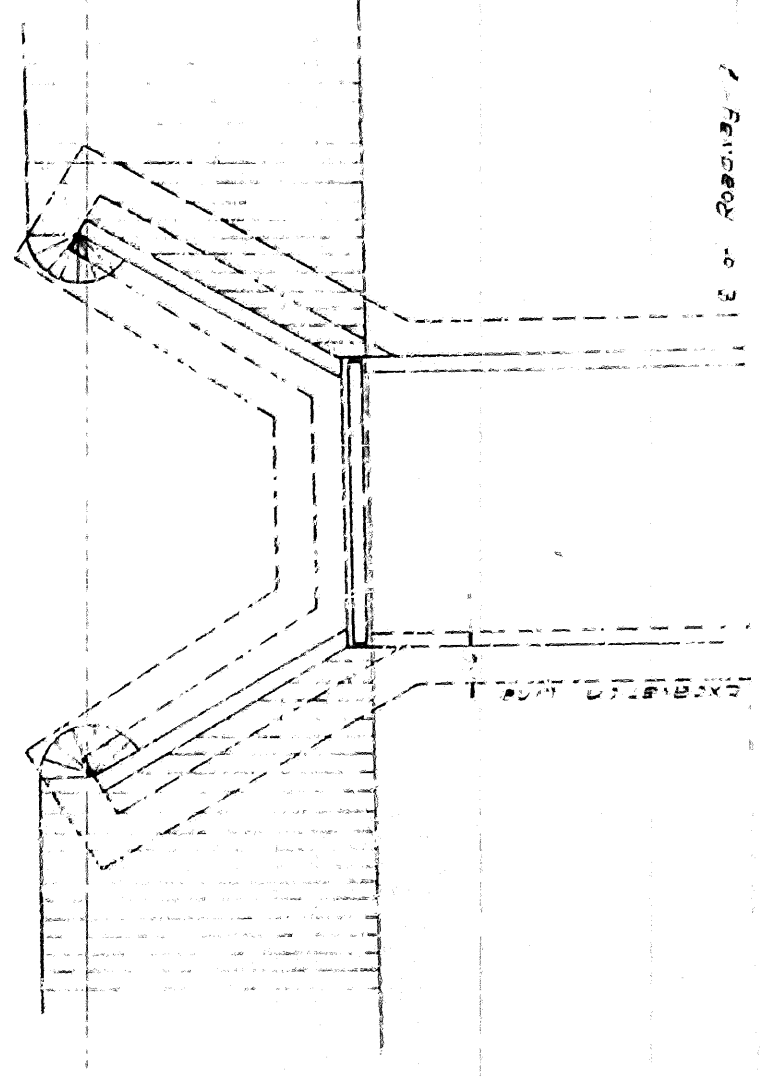
LAYOUT of BRIDGES No. 2284 & 2285
ALMA-MULBERRY ROAD
CRAWFORD COUNTY
ROUTE 64 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: WCH Date: 2-12-42
Traced By: MWH Date: 2-22-42
Checked By: _____ Date: _____
Scale: 1 in. = 10'-0 in.
BRIDGE NO. 2284 & 2285 DRAWING NO. 7943

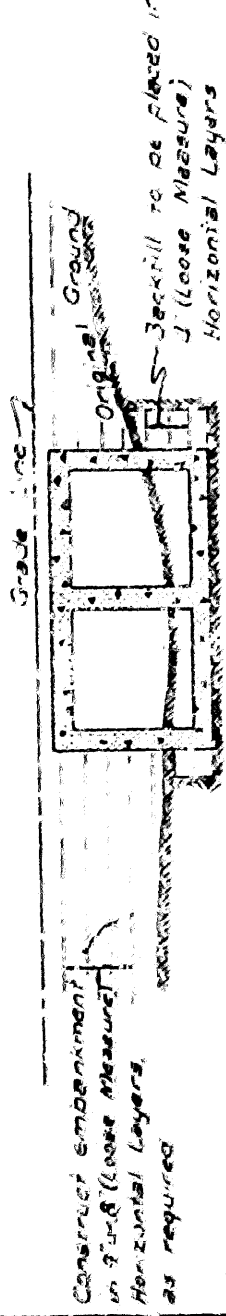
Revisions: Reiling; Quantities. H.B. 4-2-51.

W. B. Lawler
PRINCIPAL HIGHWAY ENGINEER (SHOOS)

STATE	DATE	SCALE	NO.	NO.	NO.
6	ARK.				
JOB NO.					

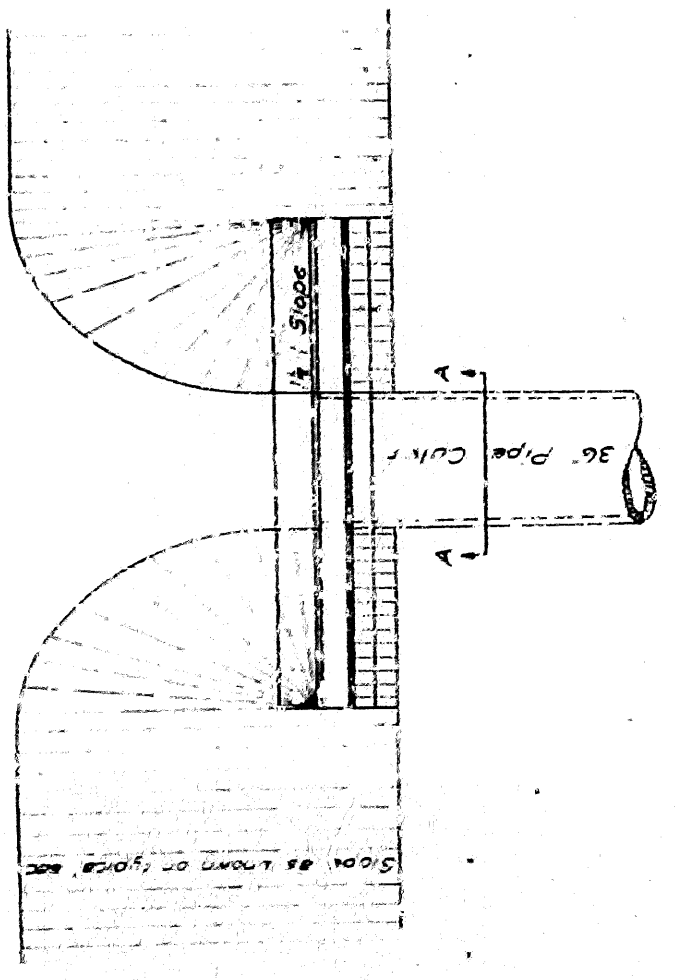


PLAN

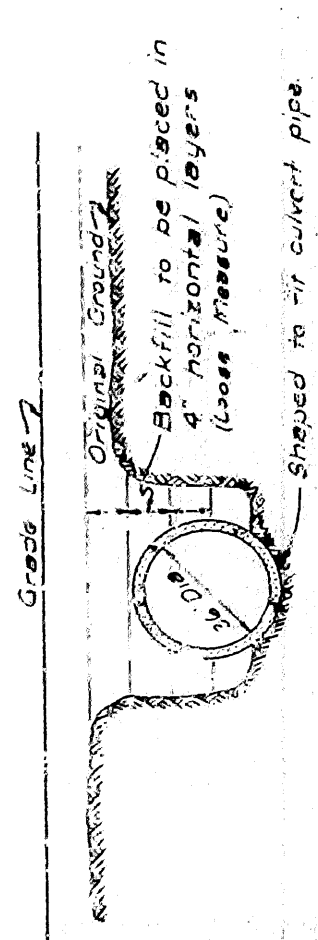


LONGITUDINAL SECTION

BOX CULVERT



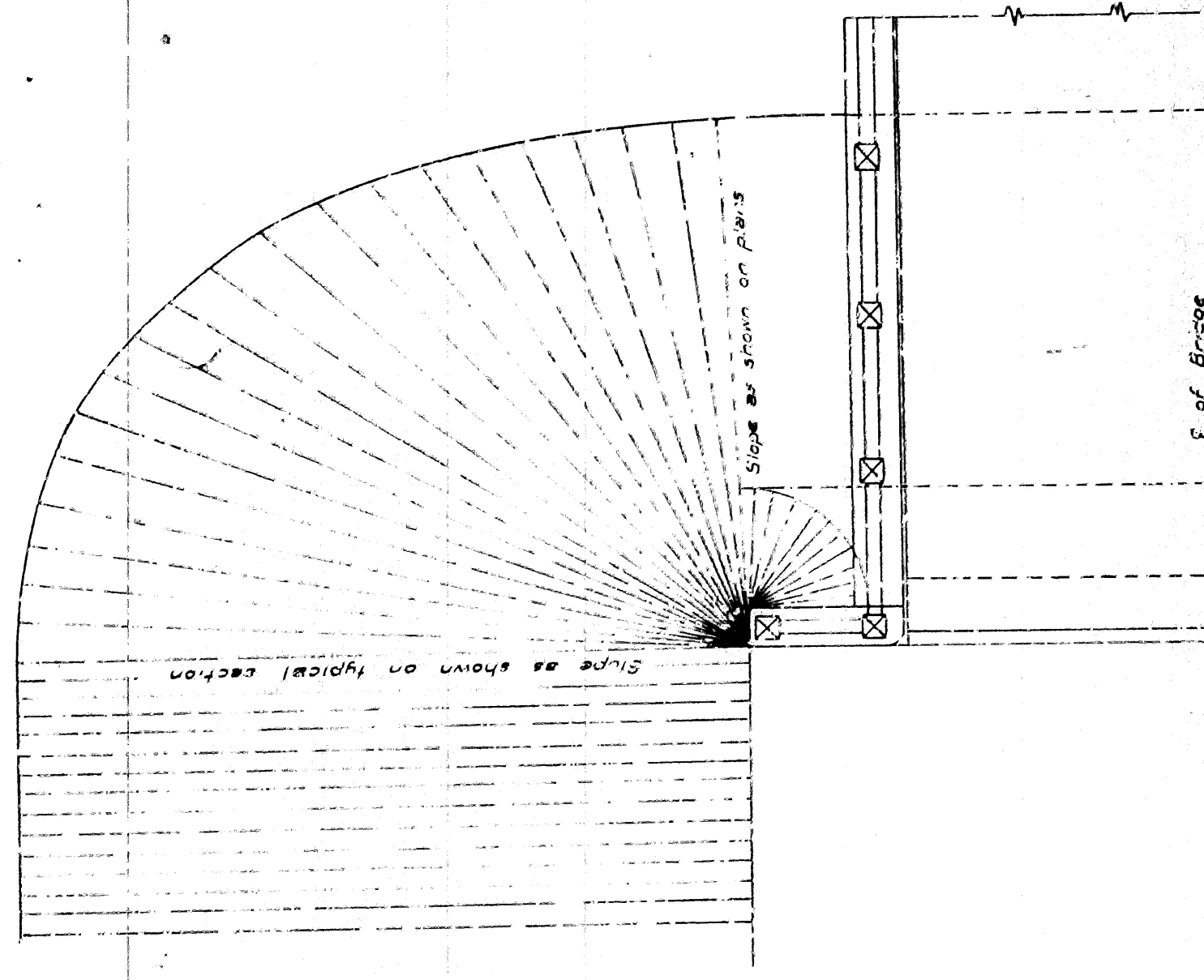
PLAN



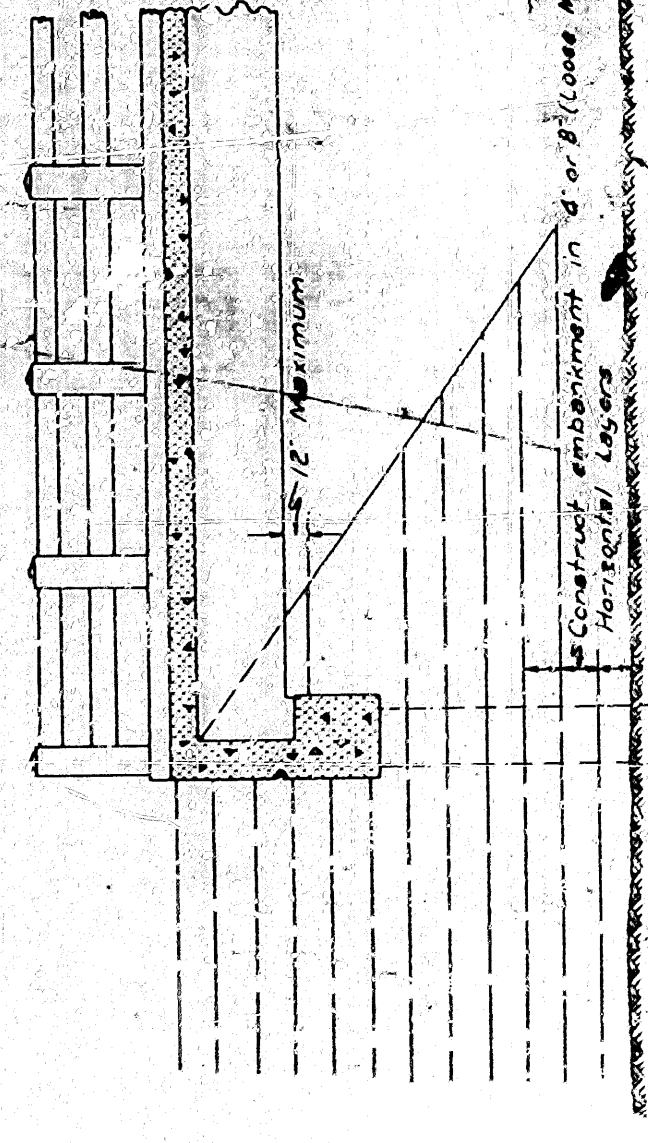
SECTION A-A

PIPE CULVERT

Notes relative to construction of bridge-end embankments and backfilling excavations shall be applicable to backfilling culvert excavations and the construction of embankment's over and adjacent to culverts.



HALF PLAN



LONGITUDINAL SECTION

OPEN END ABUTMENT

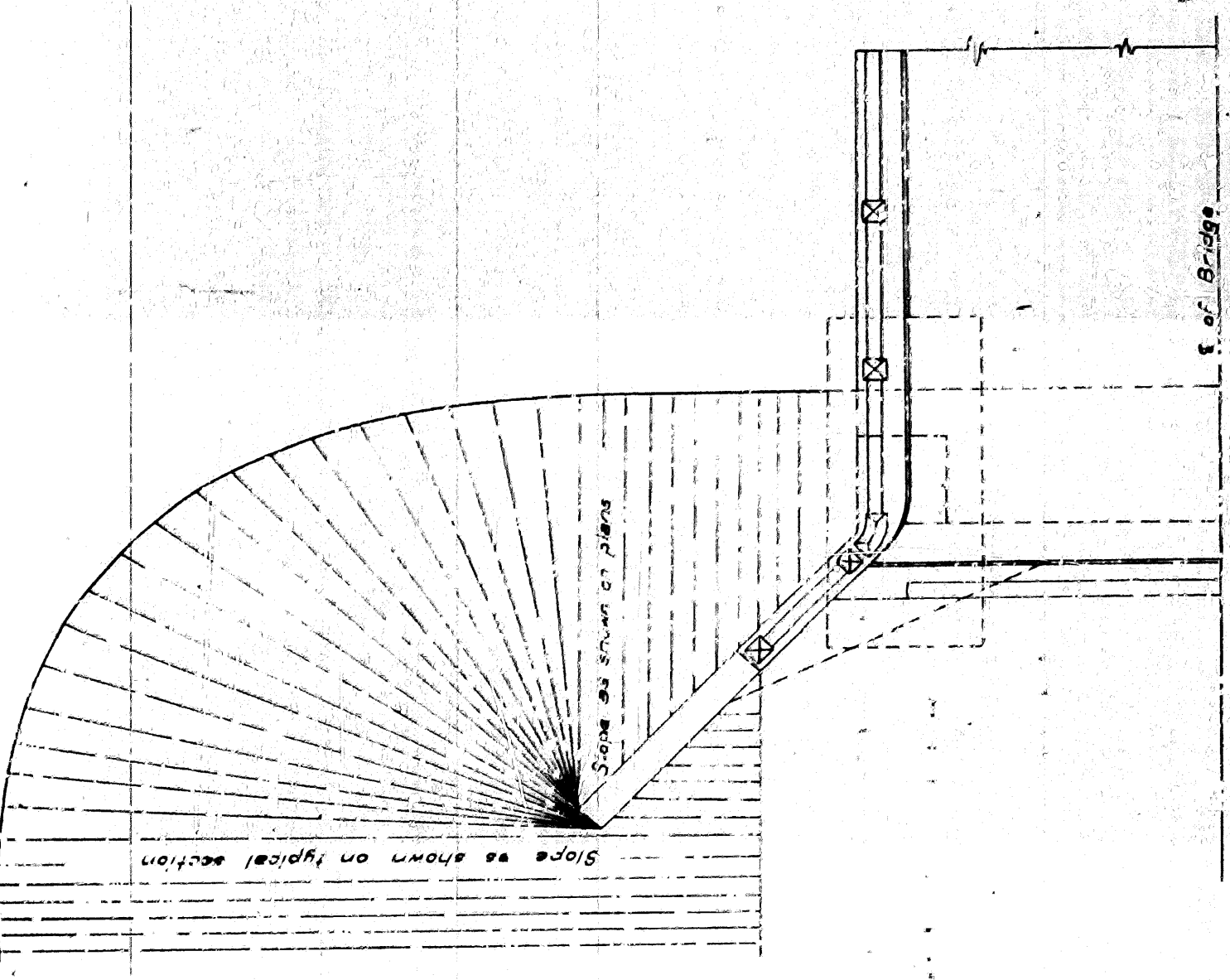
CONSTRUCTION OF THE BRIDGE-END EMBANKMENT

The bridge-end embankment shall be understood to mean not less than 20 feet of embankment adjacent to the end of the bridge roadway with the side slopes and slopes underneath the bridge-end and area to the end of wingwalls.

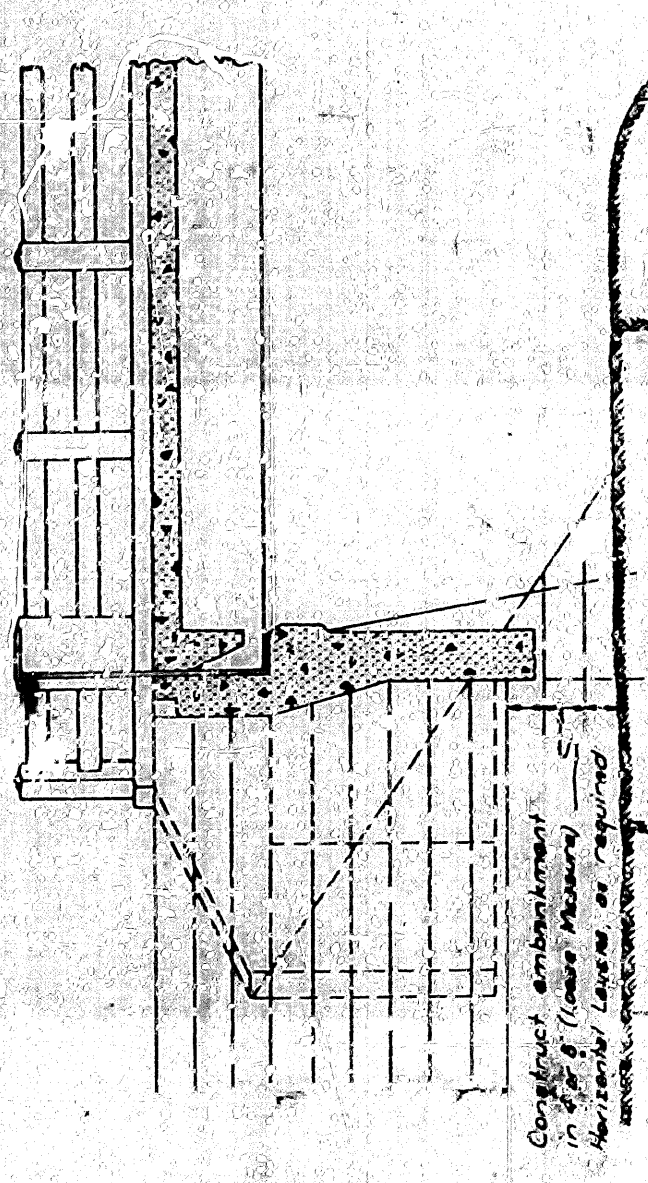
The surface area to be occupied by this embankment shall first be cleared of all debris and movable matter and then certified so as to completely expose the raw earth. The grading shall be done before any of the base surface is covered by material taken from the structure excavations.

Embankment material shall be of approved quality free from light and porous or perishable matter.

The fill shall be constructed in horizontal layers to the thickness required be specified in the specifications for Embankment material. Section 106 and shall be completed in accordance with the specifications for Special Compaction of Embankment Section 107.



HALF PLAN



LONGITUDINAL SECTION

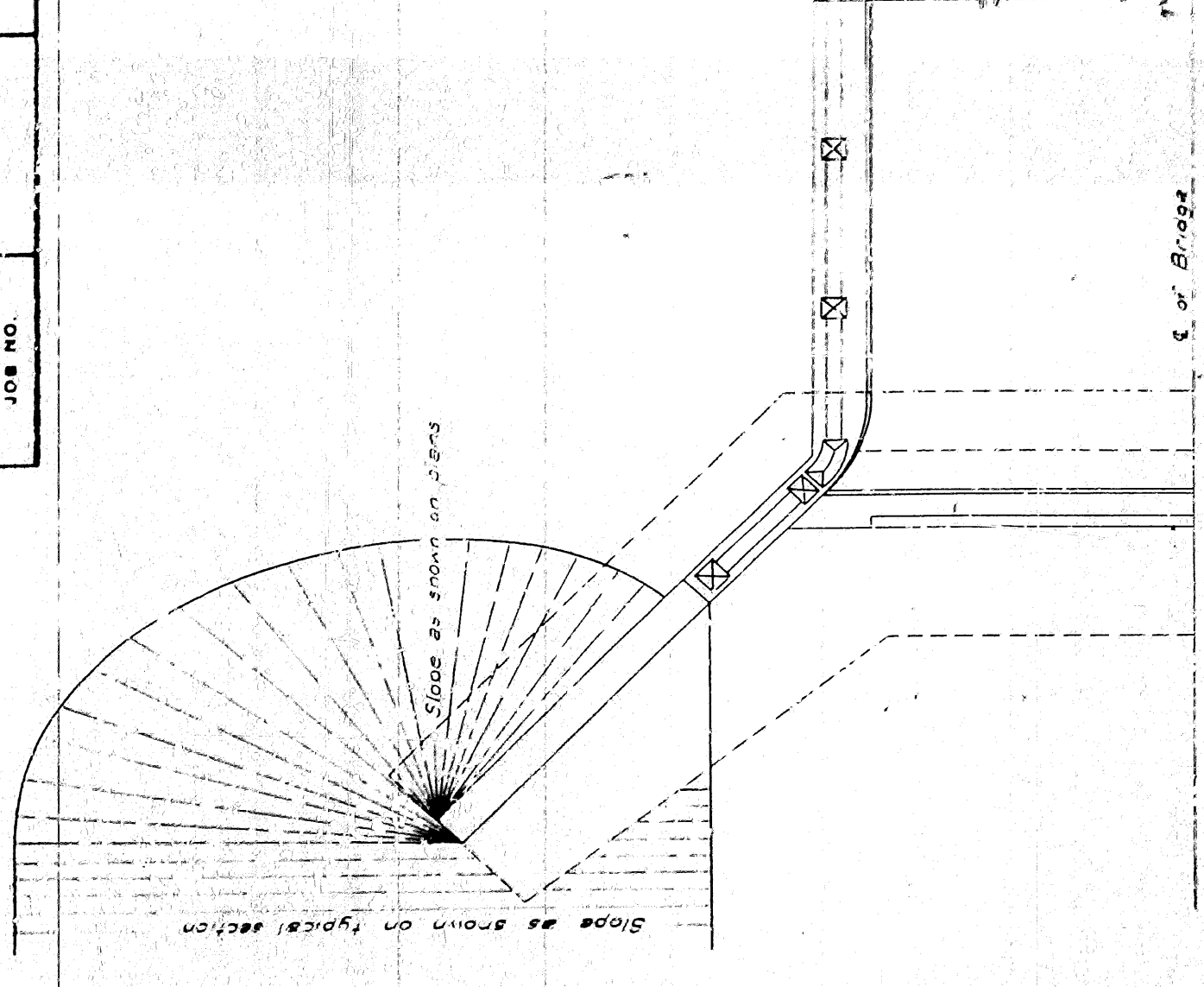
SEMI-OPEN ABUTMENT

BACKFILLING EXCAVATION

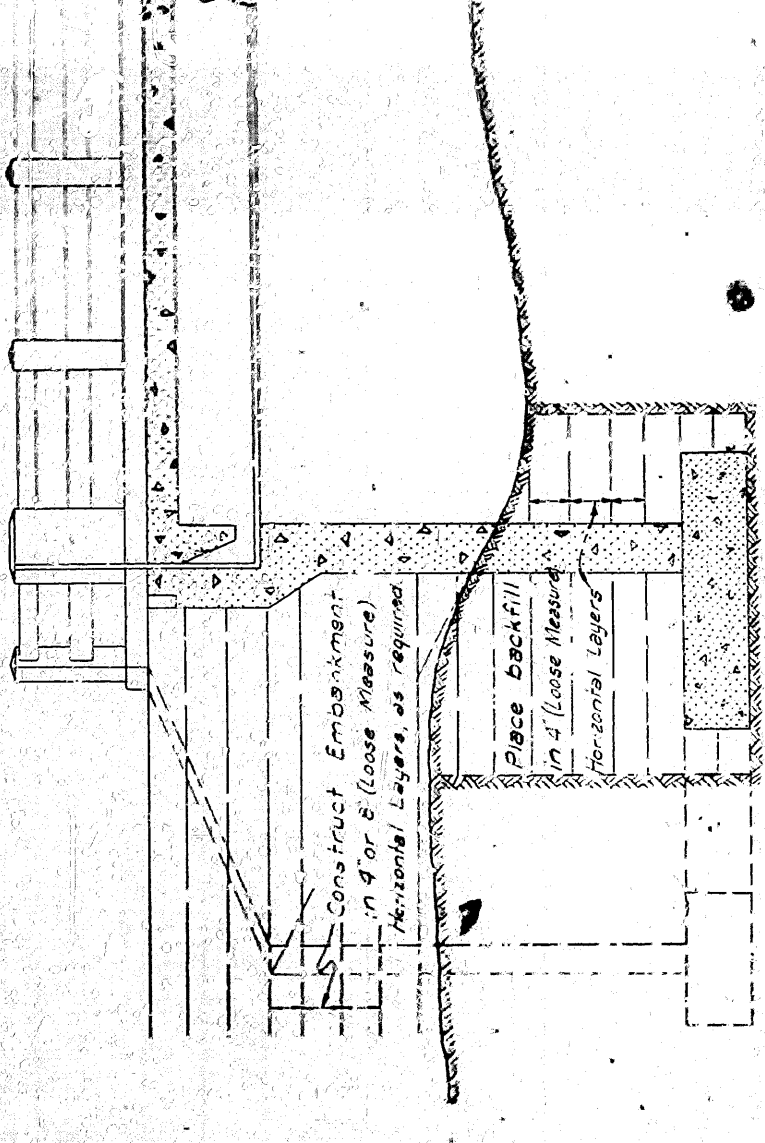
In so far as a practicable abutment excavations shall be cut to the size shown by the plans with allowance of 18 in. on all sides as permitted by the specifications. Gravelly oversize and flared cuts sometimes made to avoid the use of shoring will not be permitted.

When the abutment excavation is ready for backfilling, it shall be cleared of all collecting materials. Unless otherwise directed by the engineer and of all debris and undesirable fill materials.

The space around the wall or column shall then be carefully filled to the original ground line in horizontal layers to the thickness specified in the specifications for Embankment material Section 106 and shall be compacted in accordance with the specifications for Special Compaction of Embankment Section 107.



HALF PLAN



LONGITUDINAL SECTION

WINGWALL ABUTMENT

DETAILS OF
EMBANKMENT CONSTRUCTION AT
BRIDGE ENDS AND
BACKFILL FOR STRUCTURES

ARKANSAS STATE HIGHWAY COMMISSION

