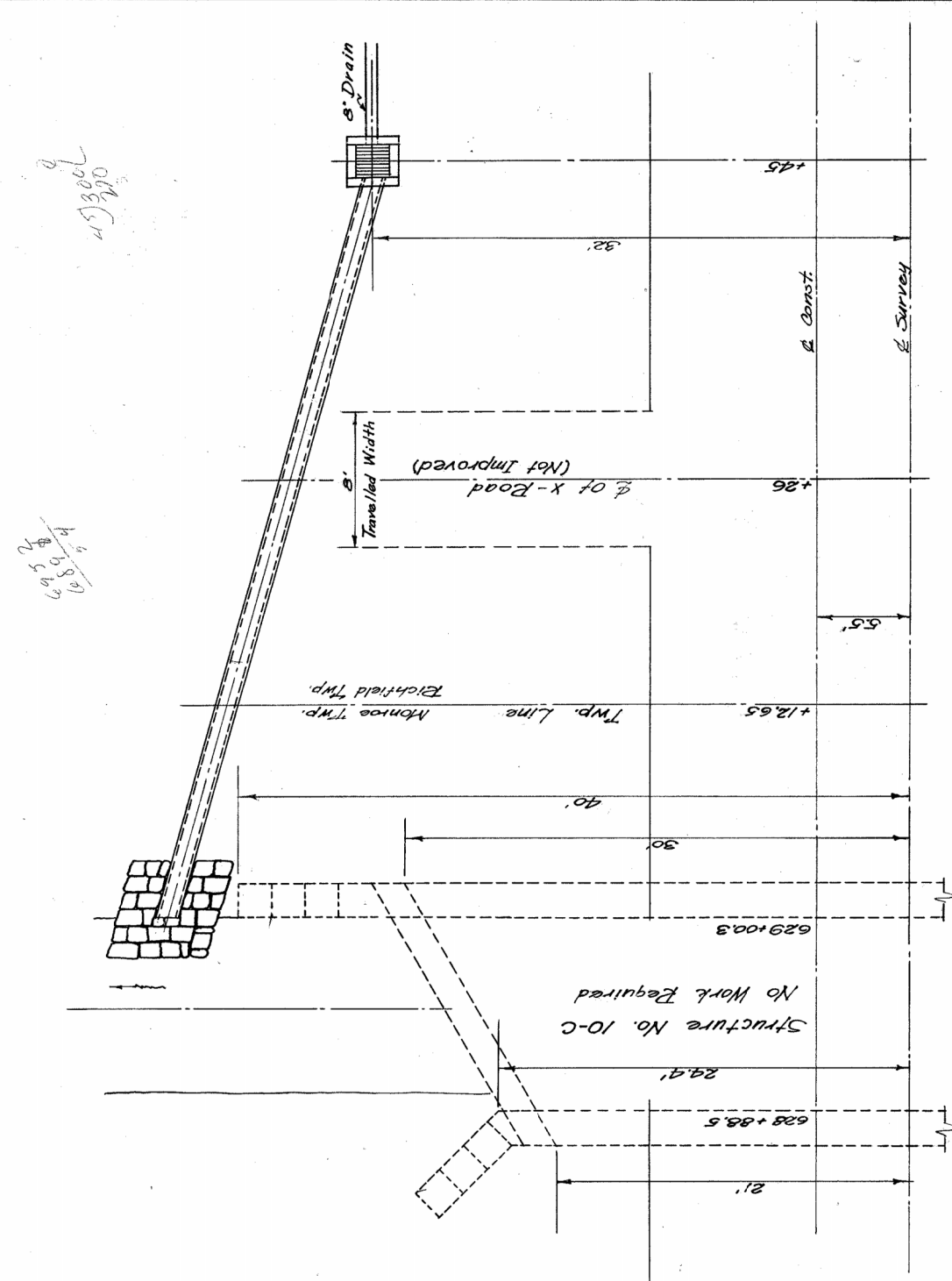
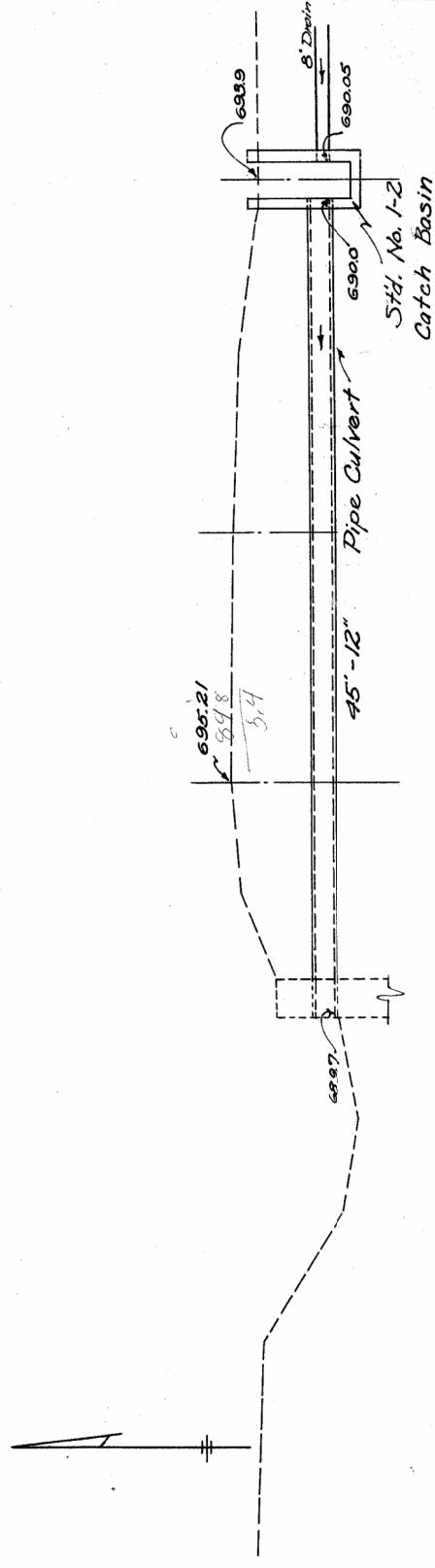




WORK REQUIRED

Construct new 12" Pipe Culvert, and new Standard No. 1-2 Catch Basin on East. Place Rip Rap as shown. Make all connections.

ESTIMATED QUANTITIES

Structure Excavation-Unclassified	28 Cu. Yds.
12" Pipe for Culverts	45 Lin. Ft.
Std. No. 1-2 Catch Basin	1 Each
Rip-Rap, Type "A" - Grouted	4 Sq. Yds.

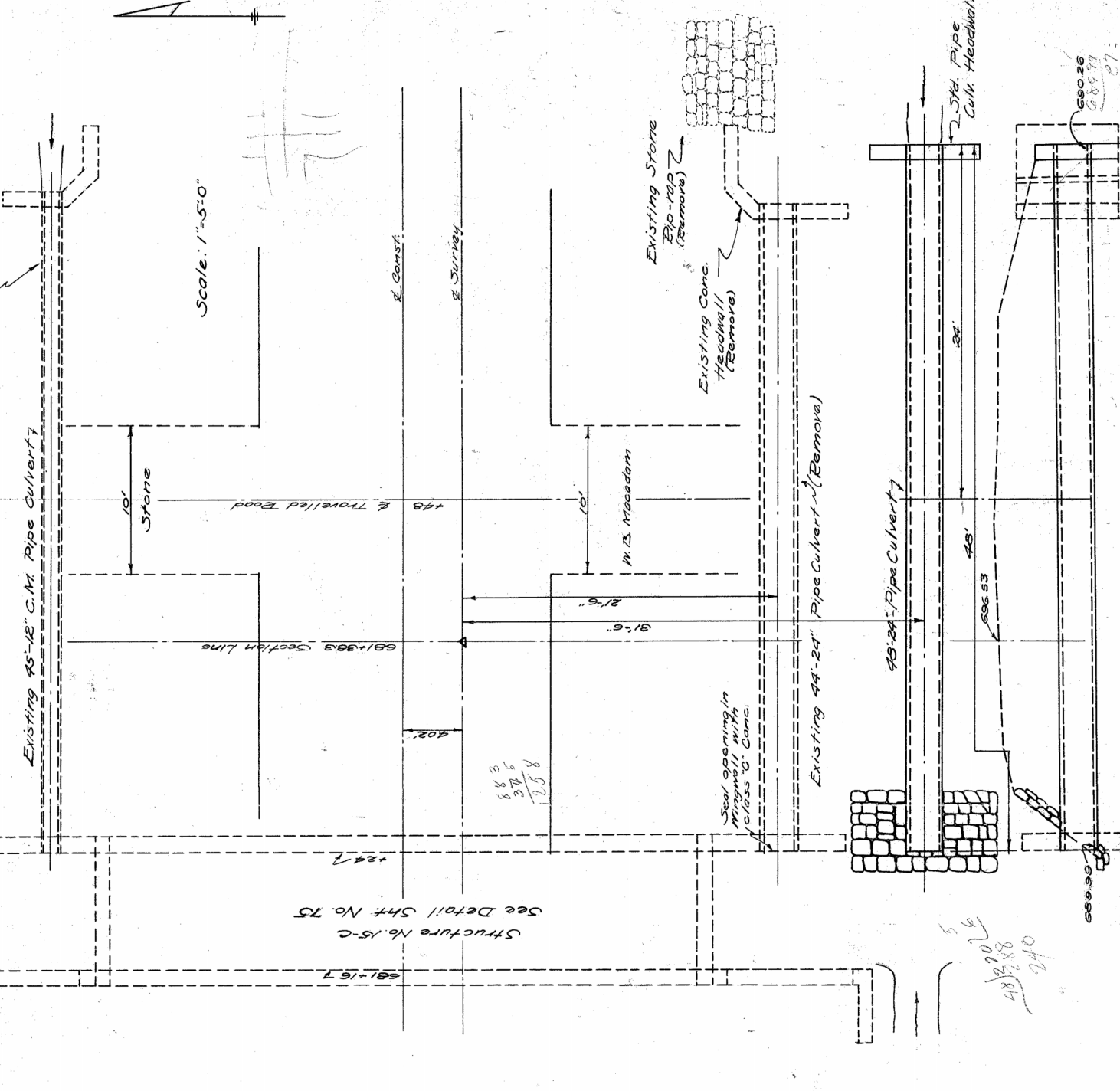
WORK REQUIRED

Remove existing 24" Pipe Culvert existing concrete headwall & exist rip-rap. Removal and disposal of existing rip-rap included for payment in roadway excavation (Unclassified). Construct 24" Pipe Culvert using existing and new culvert pipe. Construct 54" Pipe Culvert headwall and place rip-rap as shown. Seal opening in structure wingwall.

ESTIMATED QUANTITIES

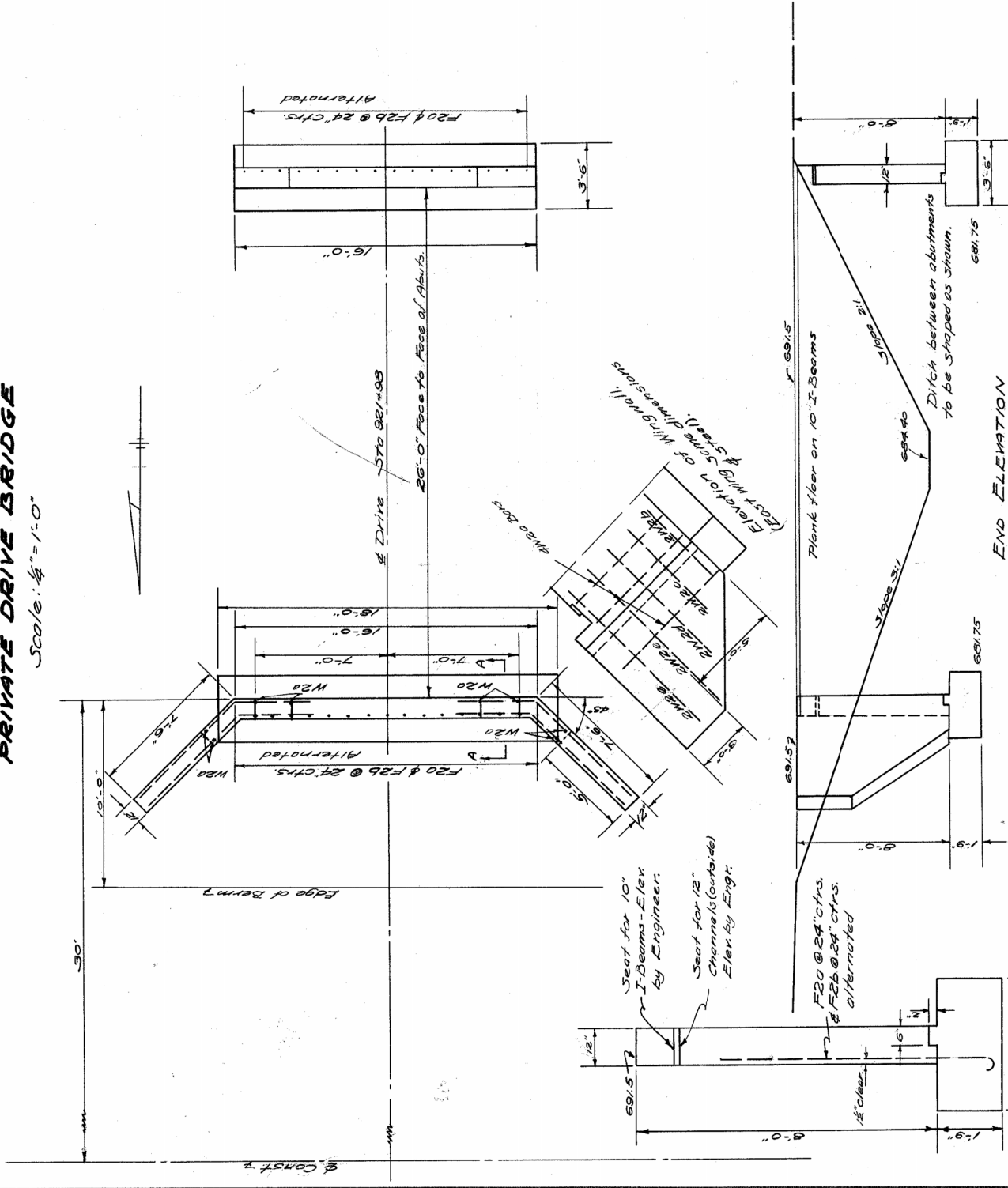
Structure Excavation - Unclassified

24" Pipe - removed for reuse
24" Pipe - retained for Culverts
24" Pipe for Culverts
Concrete Class "C" for Sealing
Concrete Class "B" for Sta. Culv. Hdm.
Reinforcing Steel
Rip-rap, Type "A" - Grouted
Area of Pav't to be replaced ^{15.0'}
Removal of Existing Concrete Headwall
Work Required



STRUCTURE NO. 38-C
STA. 921+98
PRIVATE DRIVE BRIDGE

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



SECTION A-A
Scale $\frac{1}{2}'' = 1'-0''$

DATA ON EXISTING STRUCTURE

Private drive bridge, deck of 3-10" steel I-Beams & 2-12" steel channels (outside beams) with plank flooring resting on wood sills. Roadway 4'; span 25'. Deck suitable for reuse on new abutments.

WORK REQUIRED

The States own forces will dismantle the existing superstructure before the contractor begins work on the abutments and will rebuild same when abutments are completed.

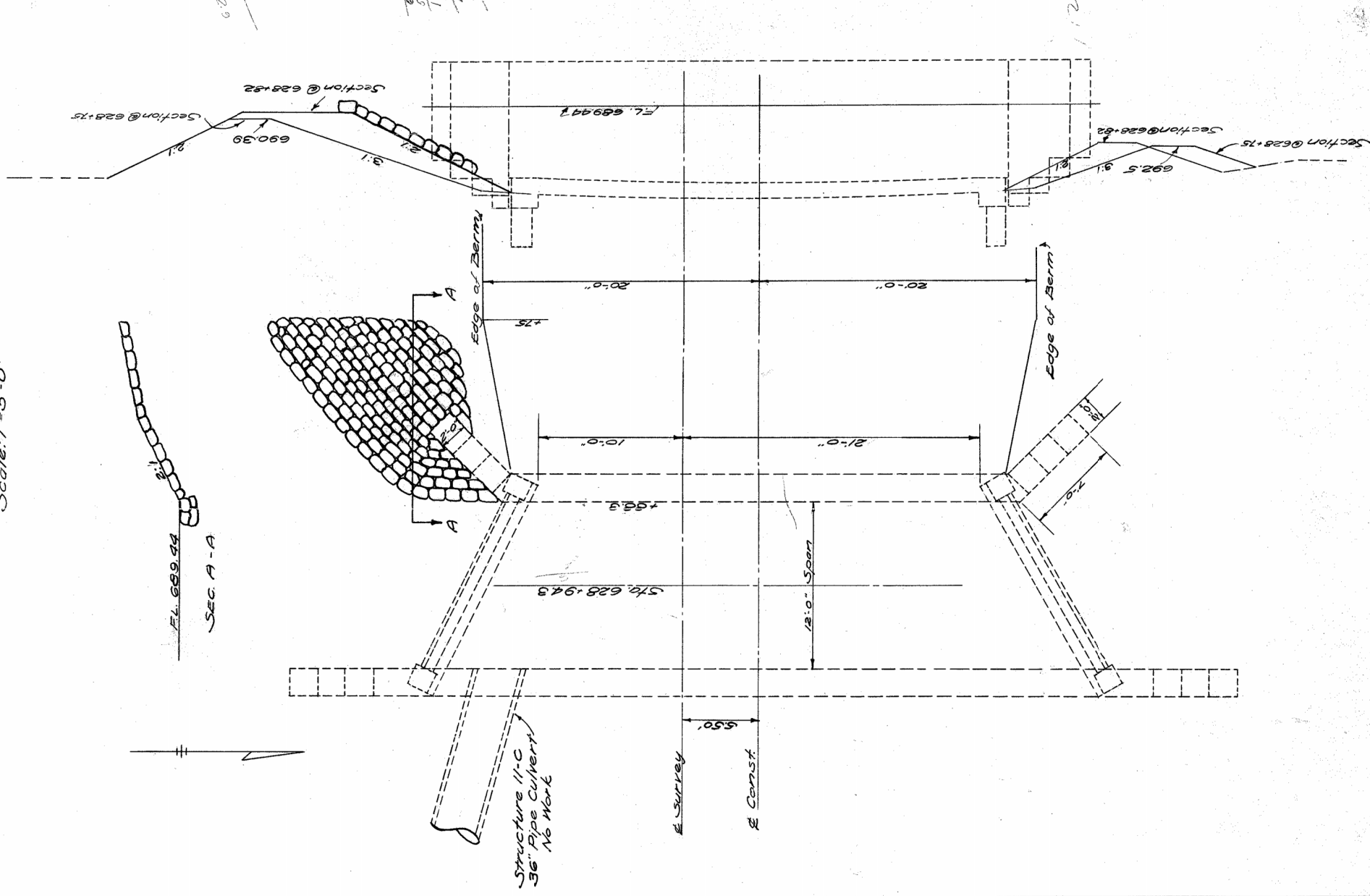
Mark	Size	No.	Length	Shape	Spacing	Weight
F20	1/2" ϕ	16	8'-0"	Bent	24"	86
F20	3/8" ϕ	16	4'-0"	Bent	24"	43
W20	1/2" ϕ	8	6'-6"	Str.	As Spawn	35
W20	3/8" ϕ	4	6'-0"	Bent	As Spawn	16
W20	1/2" ϕ	4	7'-0"	Bent	As Spawn	19
W20	3/8" ϕ	4	9'-0"	Bent	As Spawn	24
W20	1/2" ϕ	8	11'-0"	Bent	18"	59
R20	1/2" ϕ	1	6'-6"	Str.	Replacement	4
				Total		286

ESTIMATED QUANTITIES

	54 Cu Yds.
Structure Excavation (Unclassified)	
Class "E" Concrete for Structures - Footings	80 Cu Yds.
Class "C" Concrete for Structures-Walls	118 Cu Yds.
Reinforcing Steel	286 Lbs.

STRUCTURE NO. 10-C
STA. 628+94.3

Scale: 1" = 5'-0"



DATA ON EXISTING STRUCTURE

DATA ON EXISTING STRUCTURE
Type: Concrete Slab Bridge. Span: 12'-0"
Roadway: 31' Minimum. Concrete abutments
and railing: Condition - Good.

WORK REQUIRED

WORK REQUIRED
Place type "A" - Rip-top as shown of 5. W
wingwall. Shape ditch slope from 3:1 of
5 ft to 628.75 to 2:1 of wingwalls both L & R.

ESTIMATED QUANTITIES

ESTIMATED QUANTITIES
Type "A" Rip-rap - Grouted
16 Sq Yds