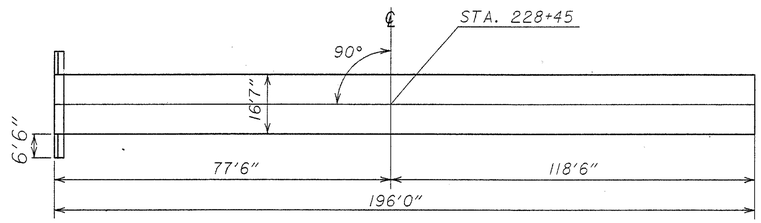
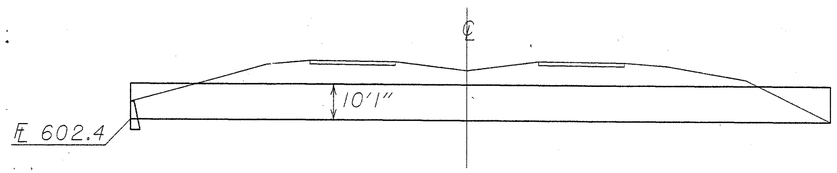


PLAN

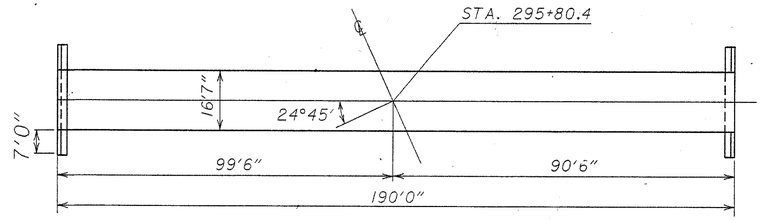


SECTION

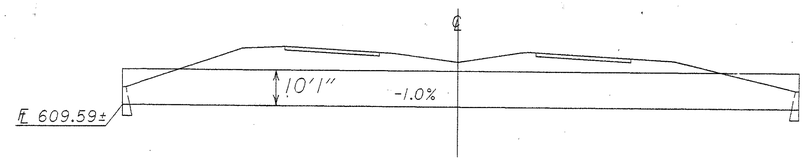
DRAINAGE AREA	= 1759 Ac.
Q_{25}	= 861 cfs
Q_{100}	= 1204 cfs
HW_{100}	= 613.6

FOR INFORMATION ONLY
JAC-35-04.33
PIPE ARCH

⑥



PLAN



SECTION

DRAINAGE AREA	= 2313 Ac.
Q_{25}	= 887 cfs
Q_{100}	= 1222 cfs
HW_{100}	= 621.1

FOR INFORMATION ONLY
JAC-35-05.60
PIPE ARCH

⑦

ITEM 202 PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
This item shall consist of preparing the culvert by removing all debris, dirt, and any other material that might be present. All areas of the culvert surface that are rusted shall be sand-blasted sufficiently to remove all visible rust.

ITEM 503 COFFERDAMS, CRIBS, AND SHEETING
This item shall consist of furnishing all labor, material, and equipment necessary to dewater the culverts for the performance of this work. All other drainage flow shall be maintained at all times while the work to the pertinent culvert is in progress. All materials and devices placed in the stream to regulate or divert flow shall be removed at the conclusion of the work.

ITEM 602, CONCRETE MASONRY, INVERT PAVING, AS PER PLAN
This item shall consist of furnishing and placing the concrete invert paving as shown on the plans. The Contractor shall have the option of placing this concrete in a conventional manner using the mix as specified below for invert repair or using pneumatically placed mortar. In either case the surface of the invert paving shall conform to the radius of the existing pipe as shown on the plans. The concrete shall be finished as per Sec. 511.17.

If pneumatically placed mortar is used, the work shall be performed in accordance with the requirements of Item 520 in Construction & Materials Specifications book except that wire mesh as shown on the plans will be used in lieu of wire fabric.

The wire mesh furnished and placed as shown on the plans is also included in the unit price bid for this item.

CONCRETE MIX DESIGN
NOTE: The maximum size of coarse aggregate is to be #8 limestone

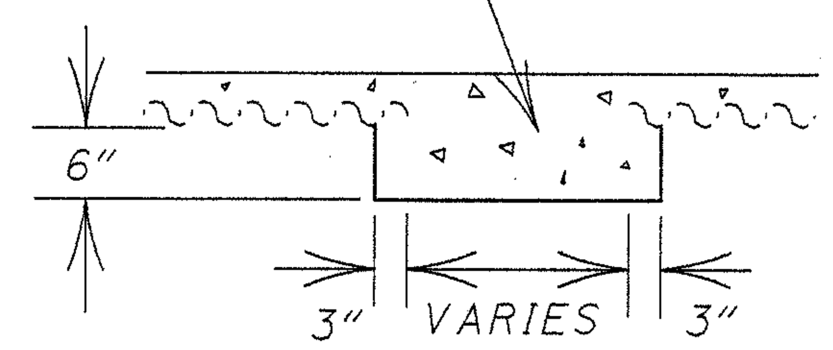
Fine Agg.	Coarse Agg.(#8 Max. Stone)	Total Agg./Cu.Yd.	Cement	Max. W/C Ratio
1440 Lbs.	1410 Lbs.	2850 Lbs.	600 Lbs.	0.50

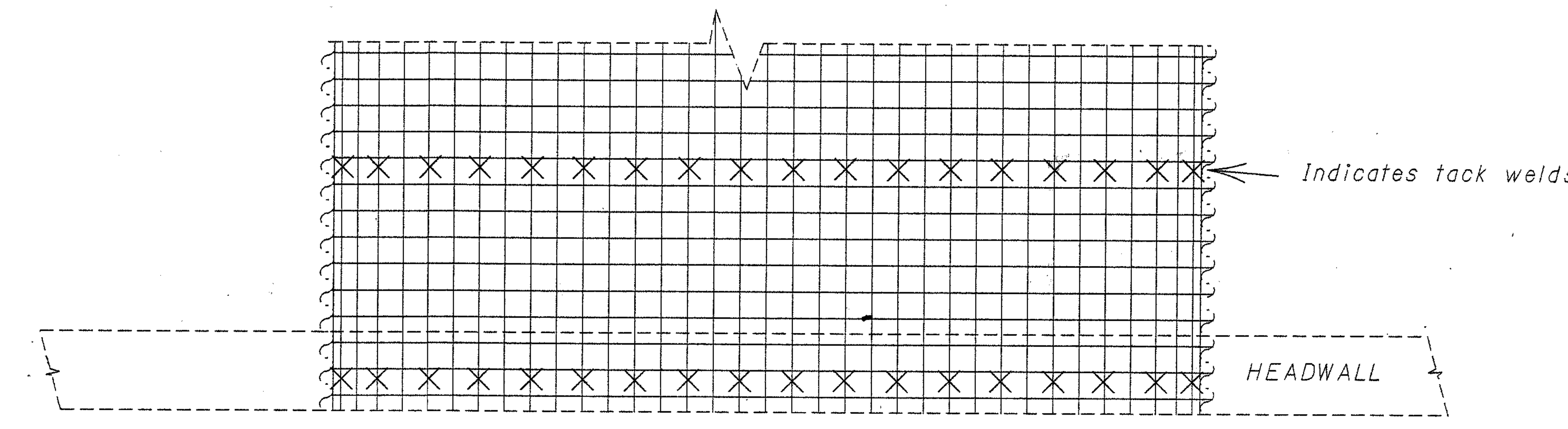
ITEM SPEC. SEALING CONCRETE SURFACES
The surface of the Class C concrete invert paving shall be treated with material specified in the proposal note.

	SUB SUMMARY					
ITEM	EXT.	QUANTITY			UNIT	DESCRIPTION
		JAC-35 0433	JAC-35 0560	TOTAL		
202	11201	LUMP	LUMP	LUMP	LUMP	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
503	11100	LUMP	LUMP	LUMP	LUMP	COFFERDAMS, CRIBS, AND SHEETING
SPECIAL	67500	462.6	448.5	911.1	SQ.YD.	SEALING CONCRETE SURFACES
602	20000	38.6	37.4	76.0	CU.YD.	CONCRETE MASONRY, AS PER PLAN, INVERT PAVING

QUANTITIES CARRIED TO SHT. 22 & 23

Typical rusted thru section
Remove all unsound metal and 6" below the bottom corrugation and 3" to either side
Concrete at this location included in ITEM 602.



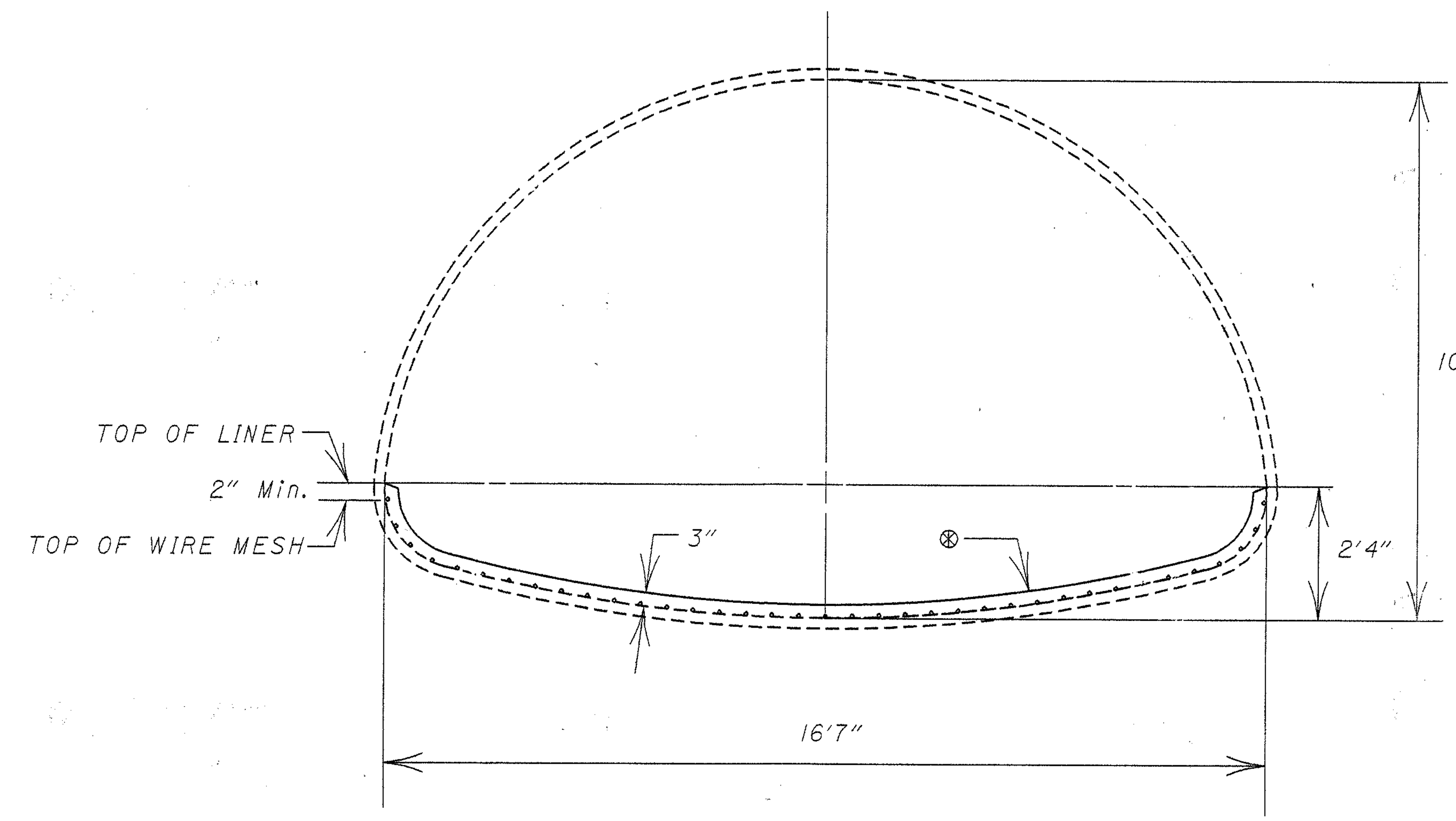


PLAN

NOTE: Position the wire mesh (6X6X8X8) so that the transverse wires lie in the grooves of the multi-plate type corrugated sheets. (Typical for full length of pipe.) Tack Weld wire mesh to invert every 30" longitudinally and every 12" transversely as shown.

CULVERT DATA

STATION	228+45
S.L.M.	4.33
SIZE	10'1"X16'7"
LENGTH	196'
CORRUGATION SIZE	6"X2"
STATION	295+86.5
S.L.M.	5.60
SIZE	10'1"X16'7"
LENGTH	190'
CORRUGATION SIZE	6"X2"



ELEVATION

⊗ SEALING PER PROPOSAL NOTE ON SEALING OF CONCRETE SURFACES.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 9 OFFICE

CULVERT INVERT REPAIR
STA. 228+45 ⑥
&
STA. 295+80.4 ⑦

DESIGNED	DRAWN	PLOTTED	CHECKED	REVIEWED	DATE	REVISED
		INTERGRAPH CADD				