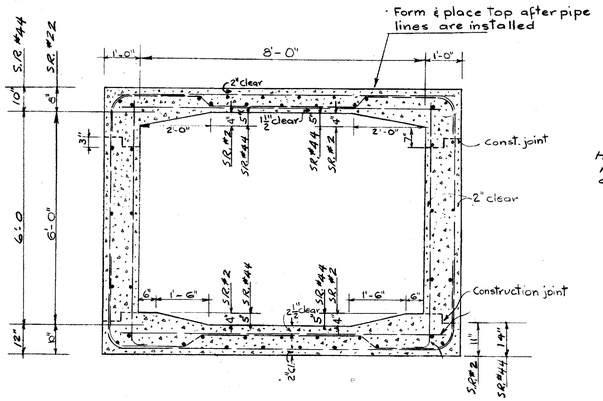
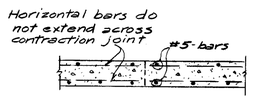
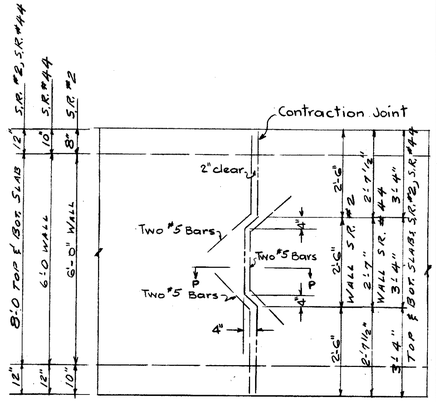


TYPICAL SECTION
S.R. #2 & S.R. #44 Crossing

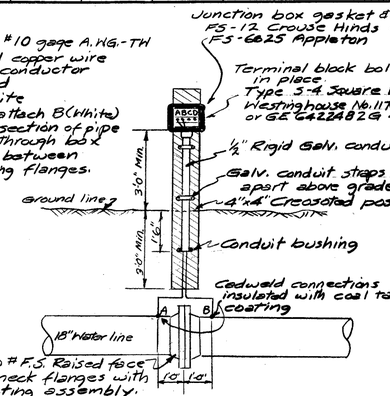


SECTION P-P



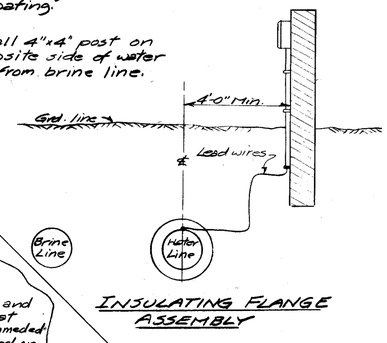
CONTRACTION JOINT DETAIL

Note:
All wire #10 gage A.W.G.-TH stranded copper wire single conductor
A- Red
B- White
Always attach B(White) wire to section of pipe running through box culvert between insulating flanges.

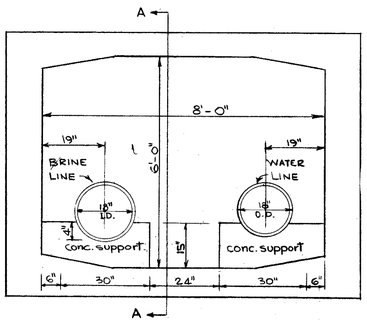


18" 300 # F.S. Raised face weld neck flanges with insulating assembly. Protect flanges w/coal tar coating.

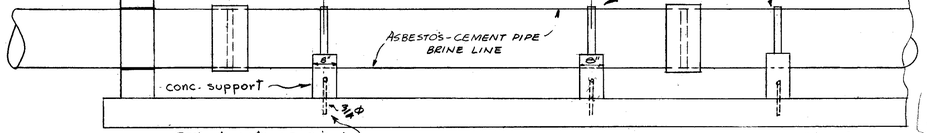
NOTE:
Install 4"x4" post on opposite side of water line from brine line.

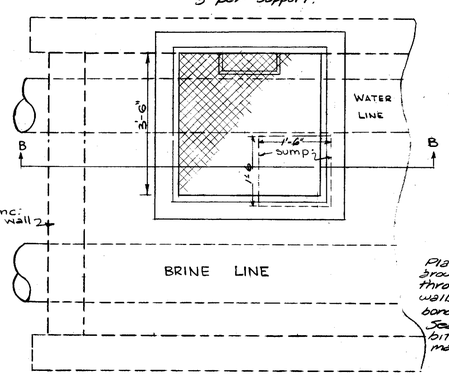


INSULATING FLANGE ASSEMBLY



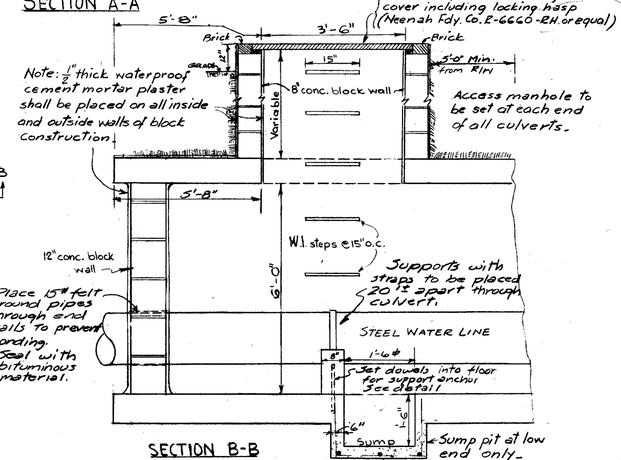
SECTION THRU CULVERT
For
PIPE LINE LOCATION



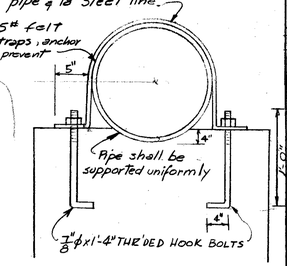


PLAN OF CULVERT END CLOSURE

SECTION A-A



SECTION B-B



PIPE LINE ANCHOR STRAP
NO SCALE

NOTES

LAK. 2 - 13.72
LAK. 44 - 5.88
LAKE COUNTY

6/8

THE BOX CULVERTS CONSTRUCTED UNDER THIS CONTRACT SHALL IN GENERAL CONFORM WITH THE DESIGN AS DESIGNATED ON STATE OF OHIO, DEPT. OF HIGHWAYS DRAWING No. LBC-45.

CONTRACTION JOINT EXTENDING ENTIRELY AROUND CULVERT BARREL, AND PROVIDED WITH KEYS AS SHOWN IN DETAIL, SHALL BE SPACED ALONG BARREL AT INTERVALS OF 30 Ft. SEE SHEETS 4 and 5.

FOUNDATION MATERIAL OF APPROXIMATELY UNIFORM BEARING CAPACITY IS CONTEMPLATED. SPOTS OF SOFT EARTH SHALL BE REMOVED AND BE REPLACED WITH THOROUGHLY COMPACTED GRANULAR MATERIAL. PAYMENT INCLUDED IN UNIT PRICE BID FOR E-2 EXCAVATION FOR STRUCTURES.

FILL SHALL BE PLACED SYMMETRICALLY ON BOTH SIDES OF THE CULVERT AFTER THE TOP SLAB IS IN PLACE. FILL OVER THE BARREL SHALL BE PLACED IN HORIZONTAL LAYERS SIMULTANEOUSLY WITH THAT ON EACH SIDE OF CULVERT.

CONCRETE SHALL BE CLASS "C"

ALL PIPE LINE AND APPURTENANCES WITHIN CULVERT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE TOP SLAB OF THE CULVERT.

ASBESTOS-CEMENT LINE AND STEEL LINE SHALL BE TEMPORARILY SUPPORTED AND SET TO LINE AND GRADE. THE PERMANENT CONCRETE SUPPORT AND ANCHOR STRAPS SHALL THEN BE POURED AND SET, AS SHOWN.

APPLY COAL TAR COATING TO ALL METAL SURFACES.

THE CULVERT UNDER S.R. 2 SHALL BE COMPLETED BEFORE WORK ON S.R. 44 CULVERT IS STARTED. PIPE USED FOR BY-PASS LINES AT S.R. 2 SHALL BE SALVAGED AND RE-USED FOR BY-PASS LINES AT S.R. 44. Payment for salvaging the by-pass lines at SR-2 and removing the by-pass lines at S.R. 44 shall be at the unit price bid for Item E-12. Payment for relaying the pipe at SR-44 shall be at the unit price bid for Item Special, 18" Pipe for By-Pass.

SEE NOTE IN PROPOSAL FOR SPECIAL INSTRUCTIONS FOR BRINE AND WATER SHUT DOWN.

ADDITIONAL SURVEY DATA IS ON FILE IN DIVISION OFFICE.

PW 114-13
PW 114-12
PW 135-15-1
PW 135-13-1
PW 131-5

REFERENCE DRAWINGS

ASSOCIATE ENGINEERS
FULLERTON AND KERR
PAINESVILLE, OHIO

APPROVALS: V.H.K DATE 4/19/60
DATE
DATE
CONTRACT NO.

DWG.	B.M.	APPRO. NO.	REVISION DESCRIPTION	DATE	BY	CH'K'D.	APP'D.
A			ORIGINAL ISSUE				

APPROVED FOR CONST. H.A. Bassett DATE 5/4/60
DRAWN E.I. DATE
CHECKED W.G.P. DATE 4-6-60
SCALE ½" = 1'-0" B.M. —

OTHER APPROVALS
DATE
DATE
DATE
DATE

PLANT PAINESVILLE DEPT. W
BRINE AND WATER LINES TO JACKSON ST. BRINE FIELD S.R. 2 AND S.R. 44
CULVERT DETAILS

DIAMOND ALKALI COMPANY
CENTRAL ENGINEERING DEPARTMENT

PW 114-11 A