

# GENERAL SUMMARY

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

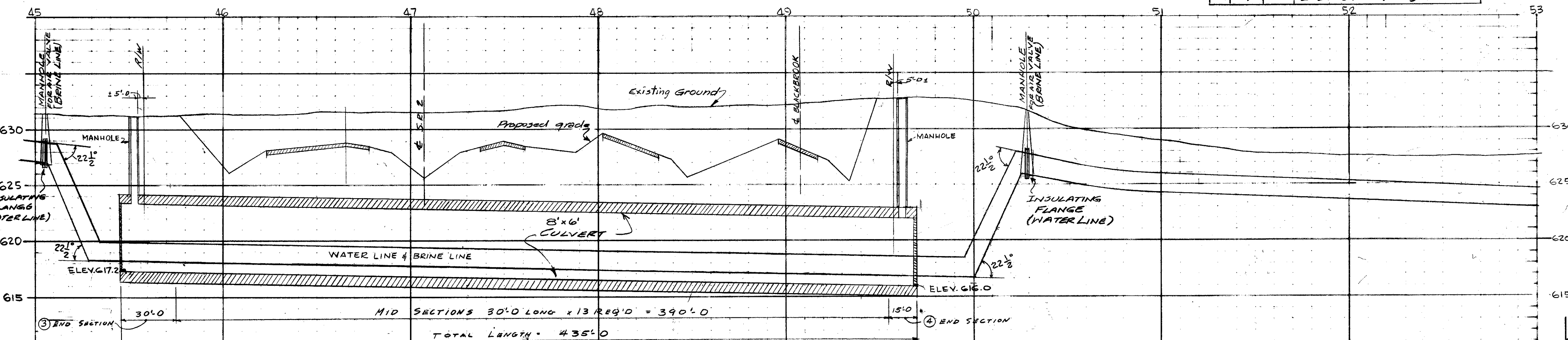
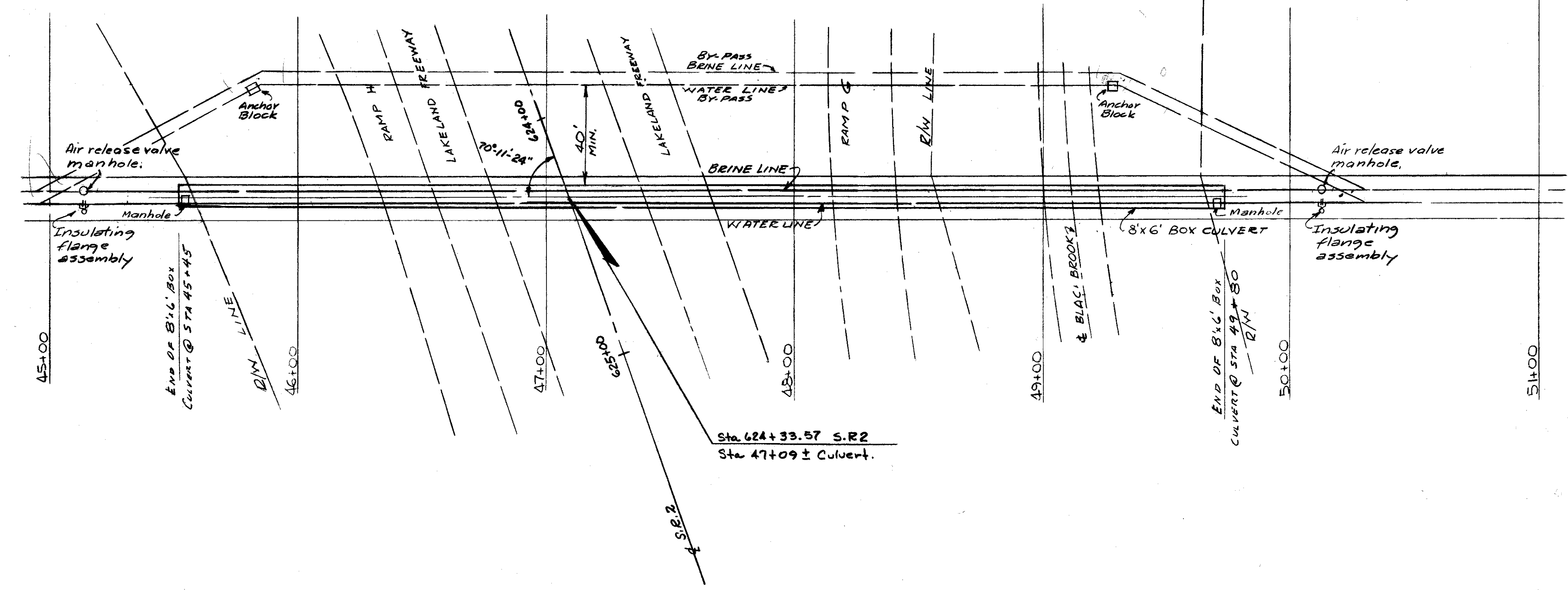
3  
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ESTIMATED QUANTITIES		
QTY	UNIT	DESCRIPTION
1140	lin. ft.	18" Transite Class 150 pressure pipe with knitted couplings
20	each	18" Transite Class 150 Adaptors
10	"	18" Class 150 Cast iron pipe 22 1/2" band (Clow F-935 or equal - including access.)
2	"	18" Class 150 cast iron pipe connecting piece (Clow F1025 or equal - Flange drilled to 125" std.)
2	"	18" 150 lb. slip-on welding flange (sr.)
WATER LINE		
1140	lin. ft.	18" seamless - Grade B Steel pipe - 3/8" wall - ASTM A-53
14	each	18" steel pipe band 22 1/2" (Std.)
590	lbs.	Welding rod ASTM A-233
2	each	18" steel spherical topped cap (For testing)
1100	sq. ft.	#50, 10 mil "Scotchrap"
2	gal.	"Scotchrap Primer"
AIR RELEASE VALVE ASSEMBLY		
1	each	Holding saddle with 2" nozzle.
4	"	Standard No. 1 Manholes
4	"	18" double-strap service clamp with 2" tap.
4	"	2" monel metal pipe - 12" lg.
4	"	2" steel coupling 300 #

ESTIMATED QUANTITIES - CONT.		
10	lin. ft.	2" steel pipe (Sch. 80)
4	each	2" - 90° 5c. El. - 300 lb.
5	"	2" Bronze gate valve (Crane #423 or equal)
INSULATING FLANGE ASSEMBLY (PW 114-11)		
4	each	18" Insulating flange assembly including all accessories as detailed
PIPE ANCHOR STRAPS IN CULVERT		
203	each	3" x 1/4" steel anchor straps including bolts & nuts
800	sq. ft.	15 lb. felt wrapping
5	gal.	Coal tar pitch paint
5	gal.	Bitumastic plastic cement
CULVERT STRUCTURE		
52	cu. yd.	Excavation for structures
5	cu. yd.	Concrete for structures - Class "C"
54	172482	lbs Reinforcing steel
523	459	each Dowel holes
220	"	8x12x16 Concrete block
420	"	8x8x16 Concrete block
100	"	Brick - common red
4	"	Cast iron manhole frame and cover (Neenah R-6660-RH or equal)
30	"	W.I. manhole steps
5-3	1200	sq. ft. Waterproof cement
5-12	1140	lin. ft. Remove 18" Pipe

NOTE: All Items Special Except as otherwise Indicated.

B.M. 30' North of Blackbrook Rd. on E of Existing Brine and Water Line.  
Elev. 634.74



PW 114-13  
PW 131-5  
PW 114-11

REFERENCE DRAWINGS	
ASSOCIATE ENGINEERS	
FULLERTON AND KERR PAINESVILLE, OHIO	
APPROVAL:	CONTRACT NO.
V.H.K. DATE 4/17/60	
DATE	DATE
DATE	DATE
DIAMOND ALKALI COMPANY CENTRAL ENGINEERING DEPARTMENT	
PW 135-15-1 A	

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

APPROVED FOR CONST.	DATE 5/4/60
DRAWN: E.I.	DATE
CHECKED: W.G.P.	DATE 4-6-60
SCALE: HOR. 1"=30'	VERT. 1"=5'

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