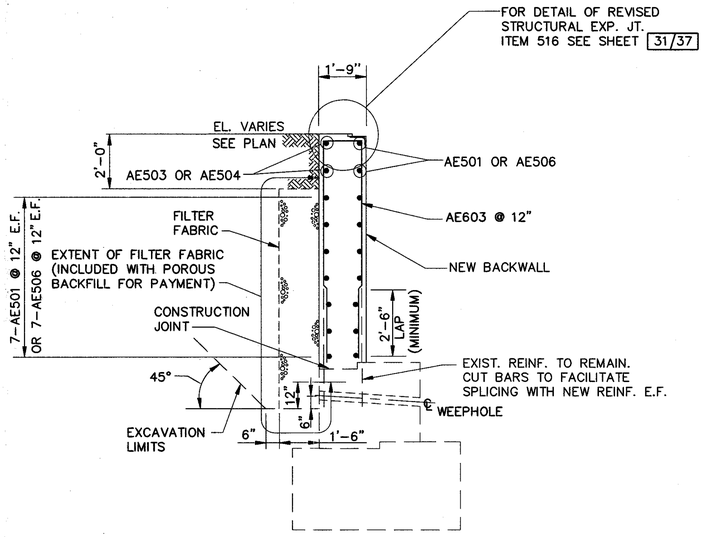
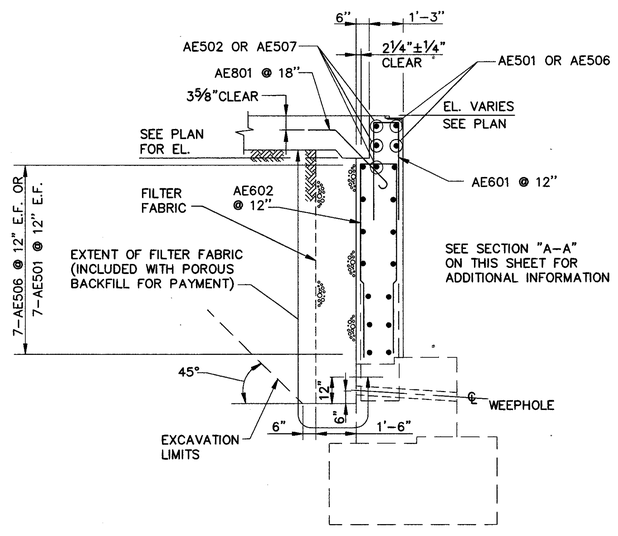
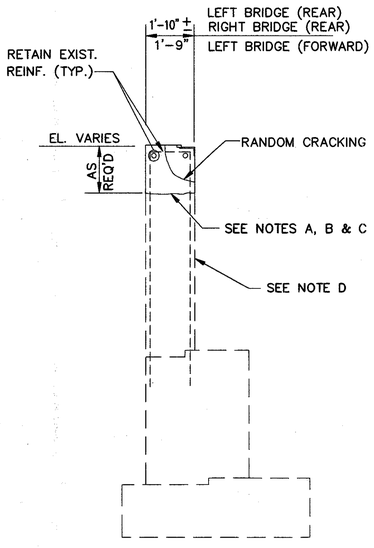


SECTION A–A
LAK–90–1641R FORWARD ABUTMENT



SECTION B–B
LAK–90–1641R FORWARD ABUTMENT

NEW BACKWALL



SECTION C–C
LAK–90–1641R REAR ABUTMENT
LAK–90–1641L REAR & FORWARD ABUTMENT

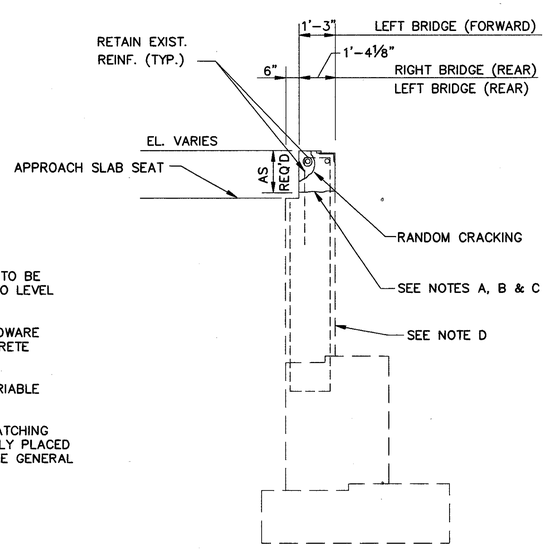
NOTES:

A. WHERE EXISTING CONCRETE AT TOP OF BACKWALL IS FOUND TO BE DAMAGED, REMOVE FULL THICKNESS OF TOP OF BACKWALL TO LEVEL BELOW UNSOUND CONCRETE.

B. ALL COSTS FOR CUTTING AND WELDING TO RESET JOINT HARDWARE (IF NECESSARY) ARE INCLUDED UNDER THE PERTINENT CONCRETE REPAIR ITEM.

C. TOP OF BACKWALL TO BE REPAIRED WITH ITEM 845, LMC VARIABLE THICKNESS TO REQUIRED DEPTH.

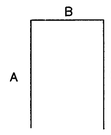
D. REPAIR SPALLS AND UNSOUND CONCRETE USING ITEM 519 PATCHING CONC. STRUCTURES AS PER PLAN & ITEM 520 PNEUMATICALLY PLACED MORTAR, AS PER PLAN, AS DIRECTED BY THE ENGINEER. (SEE GENERAL NOTES)



SECTION D–D
LAK–90–1641R REAR ABUTMENT
LAK–90–1641L REAR & FORWARD ABUTMENT

ABUTMENT BACKWALL REINFORCING STEEL SCHEDULE

MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
AE501			16	20'-9"	STR.						346
AE502			3	19'-8"	STR.						62
AE503			2	3'-0"	STR.						6
AE504			2	9'-0"	STR.						19
AE505			28	3'-1"	STR.						90
AE506			16	15'-1"	STR.						252
AE507			3	8'-0"	STR.						25
AE601			24	8'-6"	6	3'-11"	11"	3'-11"			306
AE602			24	13'-5"	6	6'-2"	1'-4"	6'-2"			484
AE603			14	16'-3"	6	7'-7"	1'-4"	7'-7"			342
AE801			16	4'-11"	7	1'-5"	2'-7"				210
										TOTAL	2,142



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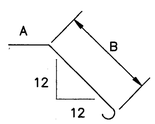

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NOTES:

1) ALL DIMENSIONS ARE OUT TO OUT OF BARS.

2) ALL REINFORCING BARS SHALL BE EPOXY COATED.

3) NOTATION: E.F.–EACH FACE, EL.–ELEVATION, REQ'D–REQUIRED REINF.–REINFORCEMENT, TYP–TYPICAL, EXIST.–EXISTING, LMC–LATEX MODIFIED CONCRETE, EXP. JT.–EXPANSION JOINT.

4) REINFORCING STEEL SAMPLES: REFER TO CMS SECTIONS 106.03, 700, 709.01 THROUGH 709.05 AND 709.08. SUFFICIENT ADDITIONAL REINFORCING STEEL SHALL BE PROVIDED FOR SAMPLING. RANDOM SAMPLES SHALL BE REPLACED IN THE STRUCTURES BY THE ADDITIONAL STEEL, SPLICED IN ACCORDANCE WITH 509.08.

COLPETZER–THOMAS, INC.
AN ENGINEERING GROUP
WILLOUGHBY • MENTOR • NORTH CANTON • STEUBENVILLE • LORAIN

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SECTIONS – BAR SCHEDULE
ABUTMENT BACKWALLS
BIG CREEK
LAK–90–1641L & 1641R

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
H.B.M.	J.L.J.	J.L.J.	R.J.C.	B.J.A. 11/2/87	