

**PERIMETER EROSION BARRIER**

LOCATION	SIDE	FOOT
<b>FAS 1597 (IL 96)</b>		
STA 984+40 TO 1321+00 (STA EQ: 986+00 BK = 1320+76.11 AH)	RT	185
STA 1323+37 TO STA 1327+00	LT	364
STA 1324+75 TO STA 1325+23	LT	48
STA 1327+99 TO STA 1328+75	RT	622
(STA EQ: 1329+72.29 BK = 1324+34.67 AH)		
STA 1340+10 TO STA 1345+49	RT	564
STA 1346+27 TO STA 1348+36	RT	229
STA 1346+40 TO STA 1348+10	LT	171
STA 1348+28 TO STA 1349+30	LT	101
STA 1375+73 TO STA 1379+38	RT	381
STA 1379+63 TO STA 1385+00	RT	555
STA 1386+60 TO STA 1388+24	LT	193
STA 1388+44 TO STA 1391+80	LT	343
STA 1402+00 TO STA 1405+00	RT	310
STA 1413+20 TO STA 1414+46	RT	128
STA 1414+76 TO STA 1418+42	RT	369
STA 1428+49 TO STA 1345+00	RT	652
<b>TOTAL</b>		<b>5215</b>

**PIPE CULVERT REMOVAL**

STATION	SIDE	CULVERT TYPE & SIZE	FOOT
<b>FAS 1597 (IL 96)</b>			
1325+41.1	LT	15" CMP	29
1326+62.7	LT	15" CMP	18
1333+08.8	LT	15" STEEL	16
1342+37.0	LT	15" CMP	26
1343+40.3	LT	15" CMP	30
1350+07.7	LT	15" CMP	17
1358+13.2	LT	15" CMP	16
1359+19.3	LT	15" CMP	16
1360+50.2	LT	15" CMP	17
1366+60.7	LT	15" CMP/CLAY	16
1368+36.7	LT	18" CMP	26
1370+93.3	LT	15" CMP	25
1370+93.3	LT	18" STEEL	30
1409+56.0	LT	15" STEEL	19
1411+41.4	LT	15" STEEL	20
1417+38.2	LT	12" CONC	20
1423+98.3	LT	18" PLASTIC	20
1425+41.9	LT	18" CMP	46
1425+41.9	RT	15" CONC	32
<b>TOTAL</b>			<b>439</b>

**STONE RIPRAP**

STATION TO STATION	SIDE	AVE. LENGTH	AVE. WIDTH SLOPE MEAS.	DEPTH	AREA	FILTER FABRIC	STONE RIPRAP, CLASS B3	STONE RIPRAP, CLASS A4	STONE RIPRAP, CLASS A5	RIPRAP SLURRY
		FT	FT	FT	SO FT	SO YD	SO YD	SO YD	SO YD	SO YD
<b>FAS 1597 (IL 96)</b>										
STA 984+68 TO STA 1323+36	LT	392	43.9	1.83	17213	1913			1913	
STA 1321+41.58	RT	20	11.0	1.00	220		25			
STA 1327+82.00	LT	30	11.0	1.33	330	37		37		
STA 1324+58.00	LT	31	11.0	1.33	341	38		38		
STA 1329+30 TO STA 1330+50	LT	160	8.0	1.00	1280		143			
STA 1328+75 TO STA 1330+58	RT	183	33.1	1.83	6053	673			673	
STA 1332+71.40	LT	20	23.0	1.33	460	51		51		
STA 1332+00 TO STA 1333+37	RT	137	28.6	1.33	3916	435		435		
STA 1333+28 TO STA 1334+00	LT	72	18.4	1.33	1328	148		148		
STA 1345+71.89	LT	57	19.4	1.33	1107	123		123		
STA 1345+71.89	RT	71	33.0	1.83	2343	260			260	
STA 1348+45 TO STA 1350+54	RT	210	46.3	1.83	9730	1081			1081	
STA 1350+74 TO STA 1351+92	RT	118	28.9	1.83	3412	379			379	
STA 1362+10.00	LT	130	18.4	1.83	2389	266			266	
STA 1362+10.00	RT	88	28.3	1.83	2490	277			277	
STA 1367+00 TO STA 1369+00	RT	200	11.0	1.83	2200	245			245	
STA 1370+57.47	LT	30	15.5	1.00	465		52			
STA 1370+21 TO STA 1372+00	RT	175	24.7	1.83	4318	480			480	
STA 1373+70 TO STA 1374+65	RT	93	16.0	1.83	1488	165			165	
STA 1379+10 TO STA 1379+70	LT	55	45.8	1.33	2520	280		280		
STA 1379+70 TO STA 1380+80	LT	110	9.6	1.33	1060	118		118		
STA 1385+08 TO STA 1386+33	RT	125	22.0	1.83	2755	306			306	306.0
STA 1385+99 TO STA 1386+59	LT	60	34.0	1.83	2040	227			227	227.0
STA 1386+79 TO STA 1387+29	RT	50	16.0	1.83	800	89			89	
STA 1392+00 TO STA 1394+00	LT	200	32.4	1.83	6475	720			720	
STA 1394+00 TO STA 1396+00	LT	200	16.0	1.83	3200	356			356	
STA 1393+56 TO STA 1397+39	RT	415	37.0	1.83	15337	1704			1704	
STA 1397+58 TO STA 1398+00	RT	100	26.0	1.83	2600	289			289	
STA 1398+00 TO STA 1400+00	RT	200	15.0	1.83	3000	333			333	
STA 1414+57.22	LT	10	13.0	1.00	130	15			15	
ENERGY DISSIPATING BASINS								485		
<b>TOTAL</b>						<b>11008</b>	<b>220</b>	<b>1715</b>	<b>9778</b>	<b>533</b>

**RIPRAP FOR ENERGY DISSIPATING BASINS**

LOCATION (CULVERT DOWNSTREAM FLOWLINE LOCATION)	LENGTH OF POOL FOOT	LENGTH OF APRON FOOT	LENGTH OF EXTENDED CHANNEL PROTECTION FOOT	DITCH WIDTH AT END OF HDW FOOT	DEPTH OF POOL (hs) FOOT	HEIGHT OF RIPRAP (1.0 FT) FOOT	RIPRAP THICKNESS		HEAVY DUTY EROSION CONTROL BLANKET SO YD	STONE RIPRAP, CLASS A4 SO YD	EARTH EX FOR EROSION CONTROL CU YD
							T1 FOOT	T2 FOOT			
STA 1326+43.75 RT	12.00	7.00	4.5	8.0	1.000	5.000	2.500	1.833	40.8	199.4	60.0
STA 1379+49.75 RT	14.00	3.50	20.0	8.0	1.000	6.000	2.500	1.833	57.2	217.8	187.9
STA 1414+67.32 RT	8.00	4.00	4.0	8.0	1.000	4.000	2.500	1.833	30.1	67.5	27.3
<b>TOTAL</b>									<b>128.1</b>	<b>484.7</b>	<b>275.2</b>
<b>USE</b>									<b>128</b>	<b>485</b>	<b>275</b>