

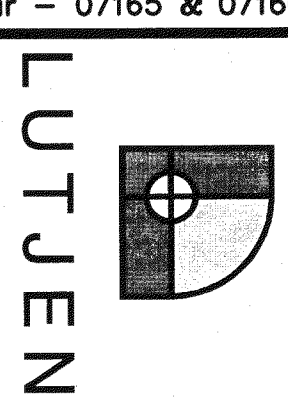
ROCK LINING FOR CULVERT OUTLETS					
CULVERT SIZE, INCH.	MIN. DEPTH, FEET	MIN. LENGTH, FEET	ROCK LAYER, CU. YD.	EQUIVALENT PIPE ROCK CULVERT (APPROX.)	EQUIVALENT CONC. BOX CULVERT (APPROX.)
18	1 X 4	12	2		2' X 1-1/2'
24	1 X 6	14	3	B-5	2' X 2'
30	1 X 7	16	4	B-6	3' X 2'
36	1.5 X 9	18	9	B-7	3' X 3'
42	2 X 10	20	15	B-8	4' X 3'
48	2 X 12	20	18	B-9	4' X 4'
54	2 X 13.5	22	22	B-10	5' X 4'
60	2 X 15	23	28	B-11	5' X 5'
66	2 X 18	25	33	B-12	6' X 6'
72	2.5 X 20	30	43		6' X 6'
78	2.5 X 25	35	61		7' X 7'
84	2.5 X 30	40	111		7' X 7'
96	3 X 32	40	142		8' X 8'
108					

GENERAL NOTE:  
THE DIMENSIONS SHOWN IN THE TABLE CAN BE APPLIED TO BOX OR ARCH CULVERTS OF EQUIVALENT WATERWAY AREA.

ROCK LINING  
FOR CULVERT OUTLET



Designed By:	R.J.S.
Drawn By:	J.W.W.
Lullen Project No.:	07168



Sheet No.: **37**

DATE	P.E. SIGNATURE	DESCRIPTION
10-01-07	R.J.S.	Prepared for Review.
11-16-07	R.J.S.	Issued for bid
12-07-07	R.J.S.	Removed erosion control details, added riprap detail

LAND DISTURBANCE DETAILS

CENTERPOINT-KCS INTERMODAL CENTER