

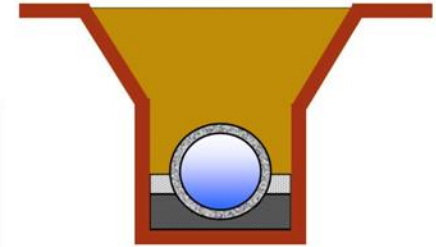
C.A.P.E. (Cost Analysis of Pipe Envelope) Comparison Between Installed RCP and Flexible Pipe

INSTALLATION TYPE	PIPE DIAMETER	STONE VOLUME FT ³ / LF	STONE COST \$ / LF
RCP TYPE 1	12"	2.64	\$2.47
RCP TYPE 4	12"	1.11	\$1.04
FLEXIBLE PIPE	12"	6.85	\$6.42
RCP TYPE 1	15"	3.19	\$2.99
RCP TYPE 4	15"	1.22	\$1.15
FLEXIBLE PIPE	15"	7.82	\$7.33
RCP TYPE 1	18"	3.62	\$3.39
RCP TYPE 4	18"	1.31	\$1.22
FLEXIBLE PIPE	18"	8.82	\$8.27
RCP TYPE 1	24"	4.67	\$4.38
RCP TYPE 4	24"	1.50	\$1.41
FLEXIBLE PIPE	24"	10.90	\$10.22
RCP TYPE 1	30"	5.80	\$5.44
RCP TYPE 4	30"	1.69	\$1.59
FLEXIBLE PIPE	30"	13.08	\$12.26

INSTALLATION TYPE	PIPE DIAMETER	STONE VOLUME FT ³ / LF	STONE COST \$ / LF
RCP TYPE 1	36"	7.00	\$6.56
RCP TYPE 4	36"	1.89	\$1.77
FLEXIBLE PIPE	36"	15.37	\$14.41
RCP TYPE 1	42"	13.19	\$12.36
RCP TYPE 4	42"	2.75	\$2.58
FLEXIBLE PIPE	42"	27.77	\$26.04
RCP TYPE 1	48"	15.12	\$14.17
RCP TYPE 4	48"	2.94	\$2.76
FLEXIBLE PIPE	48"	31.28	\$29.33
RCP TYPE 1	54"	17.12	\$16.05
RCP TYPE 4	54"	3.14	\$2.94
FLEXIBLE PIPE	54"	34.90	\$32.71
RCP TYPE 1	60"	19.20	\$18.00
RCP TYPE 4	60"	3.33	\$3.13
FLEXIBLE PIPE	60"	38.62	\$36.20

NOTES:

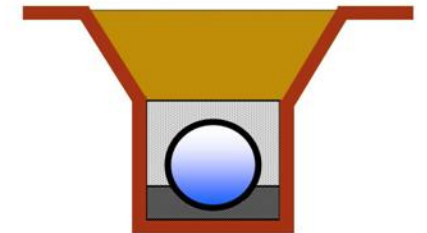
STONE COST IS BASED ON \$15 PER TON IN PLACE.
 STONE UNIT WEIGHT IS 125 POUNDS PER CUBIC FOOT IN PLACE.
 FLEXIBLE PIPE INSTALLATION IS 4 INCHES OF BEDDING STONE AND 12 INCHES OVER PIPE.
 FLEXIBLE PIPE INCLUDES CORRUGATED METAL, THERMOPLASTIC, AND STRUCTURAL PLATE PIPE.



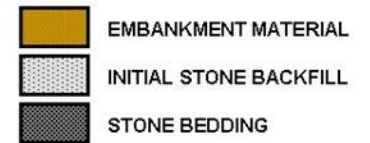
RCP TYPE 1 INSTALLATION



RCP TYPE 4 INSTALLATION



FLEXIBLE PIPE INSTALLATION



FOR ADDITIONAL INFORMATION PLEASE CONTACT ONE OF THE FOLLOWING MEMBER COMPANIES OF THE INDIANA · KENTUCKY · OHIO CONCRETE PIPE ASSOCIATION:



INDEPENDENT CONCRETE PIPE COMPANY
 502-448-2920
 ENGINEERING CONTACT: ED NOBLES
 SALES CONTACT: ART CANNON



SHERMAN DIXIE CONCRETE INDUSTRIES
 1-800-737-0707
 ENGINEERING CONTACT: EDDIE MESTA
 SALES CONTACT: BILL THOMPSON



M & W CONCRETE PIPE AND SUPPLY
 812-426-2871
 ENGINEERING CONTACT: STEVE SHERWOOD
 SALES CONTACT: MIKE DRESSEL