

## HANCOR HI-Q® SLOPED END SECTION SPECIFICATIONS

### Scope

This specification describes 12- through 60-inch (300 to 1500mm) Sloped End Sections for use in culvert and drainage outlet applications.

### Requirements

The invert of the pipe and the end section shall be at the same elevation. Sloped End Section shall be high-density polyethylene conforming with the minimum requirements of cell classification 435400C as defined and described in ASTM D3350-04 (335400C in ASTM D3350-00). Each end section shall have a carbon black additive for UV protection. The pipe material shall be Hancor Resin 8™, which is a slow crack resistant material evaluated using the notched constant ligament-stress (NCLS) test. Average NCLS test specimens must exceed 24 hrs. with no test result less than 17 hrs.

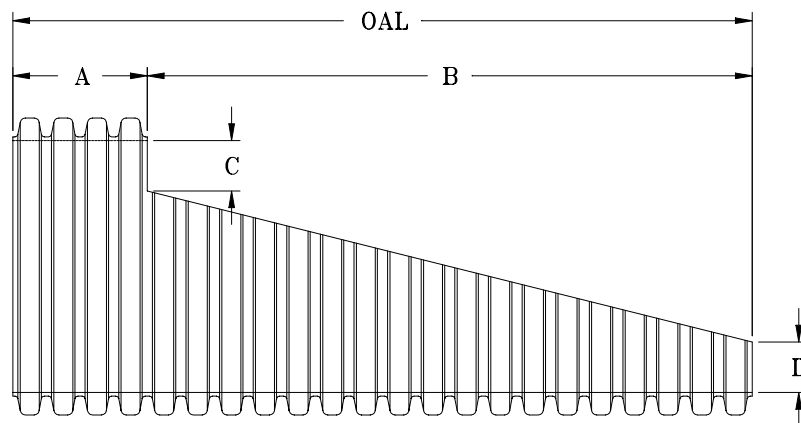
### Installation

Installation shall be in accordance with Hancor installation instructions and with those issued by state or local authorities.

Pipe Dia. (in)	Dimensions										
	Slope x:1			Slope 2:1		Slope 3:1		Slope 4:1		Slope 6:1	
	A* (in)	C** (in)	D (in)	B (in)	OAL (in)	B (in)	OAL (in)	B (in)	OAL (in)	B (in)	OAL (in)
12	8	3	3	12	20	18	26	24	32	36	44
15	9.7	4	4	14.8	24.5	22	31.9	29.4	39.1	41.6	51.4
18	12	4.2	4	21	33	30	42	39	51	60	72
24	16	6	6	24	40	36	52	48	64	72	88
30	16	6	6	36	52	56	72	72	88	108	124
36	18.5	6.9	6	48.1	64.6	73.9	92.3	96.9	115.4		
42	17.5	5.2	6	64.4	82	93.6	111.3	122.9	140.5		
48	17.5	5.4	6	76.1	93.6	111.2	128.7	146.4	163.9		
54	23.3	5.4	6	85.1	108.4						
60	23.2	3.6	6	100.6	123.9						

\* The "A" length for 12-36" is 4 corrugations and for 42-60" is 3 corrugations

\*\* The "C" dimension varies slightly for some diameters depending on the slope



Note: Hancor recommends that the product be installed with a concrete collar/edge to support and close corrugations per DOT specifications. The Channel at the bottom of the taper must be shaped to prevent toe lift by the inlet water flow.