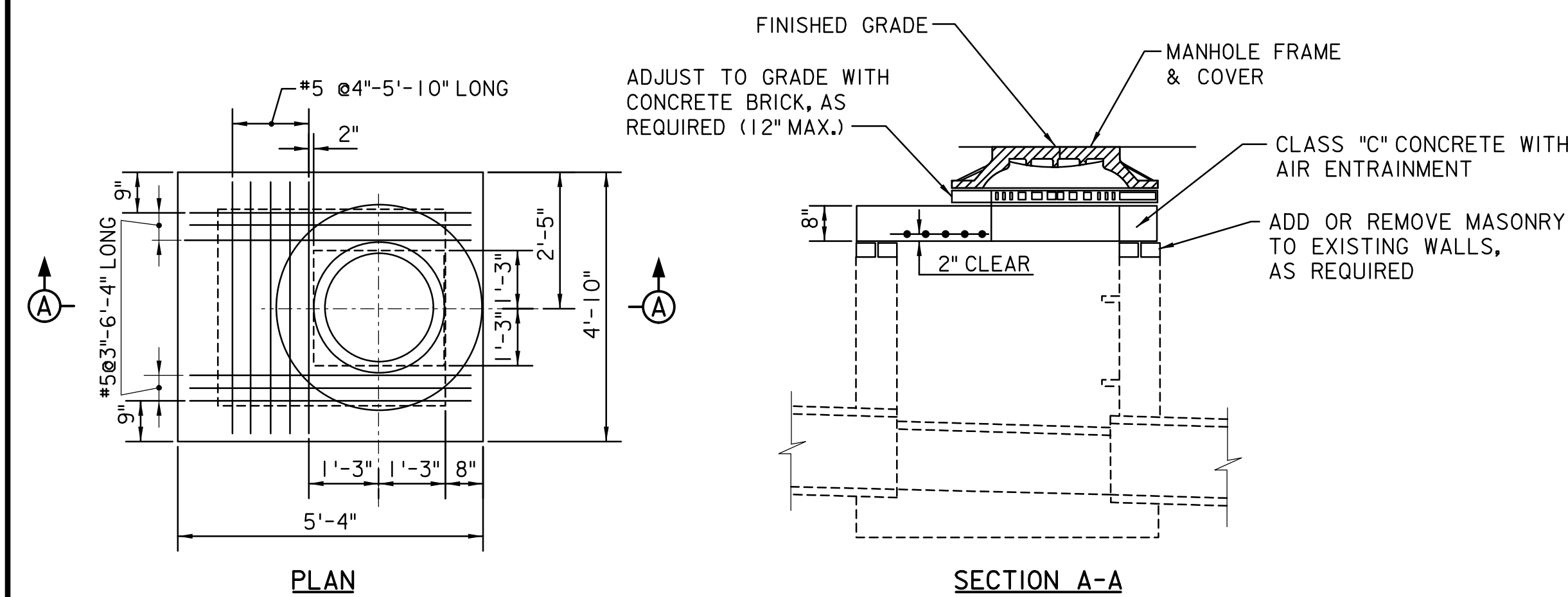
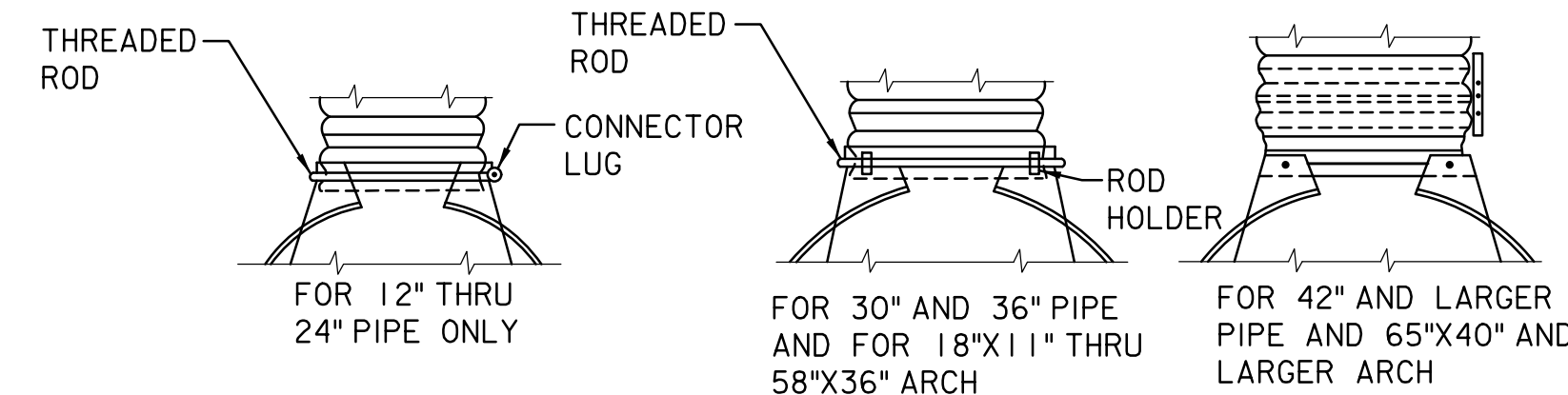
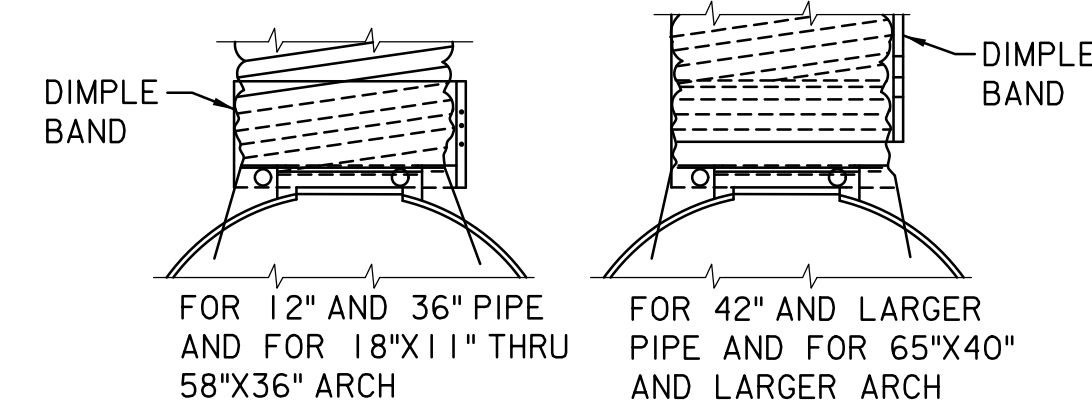




CONVERTING EXISTING INLET TO MANHOLE



CONNECTIONS FOR RIVETED PIPE

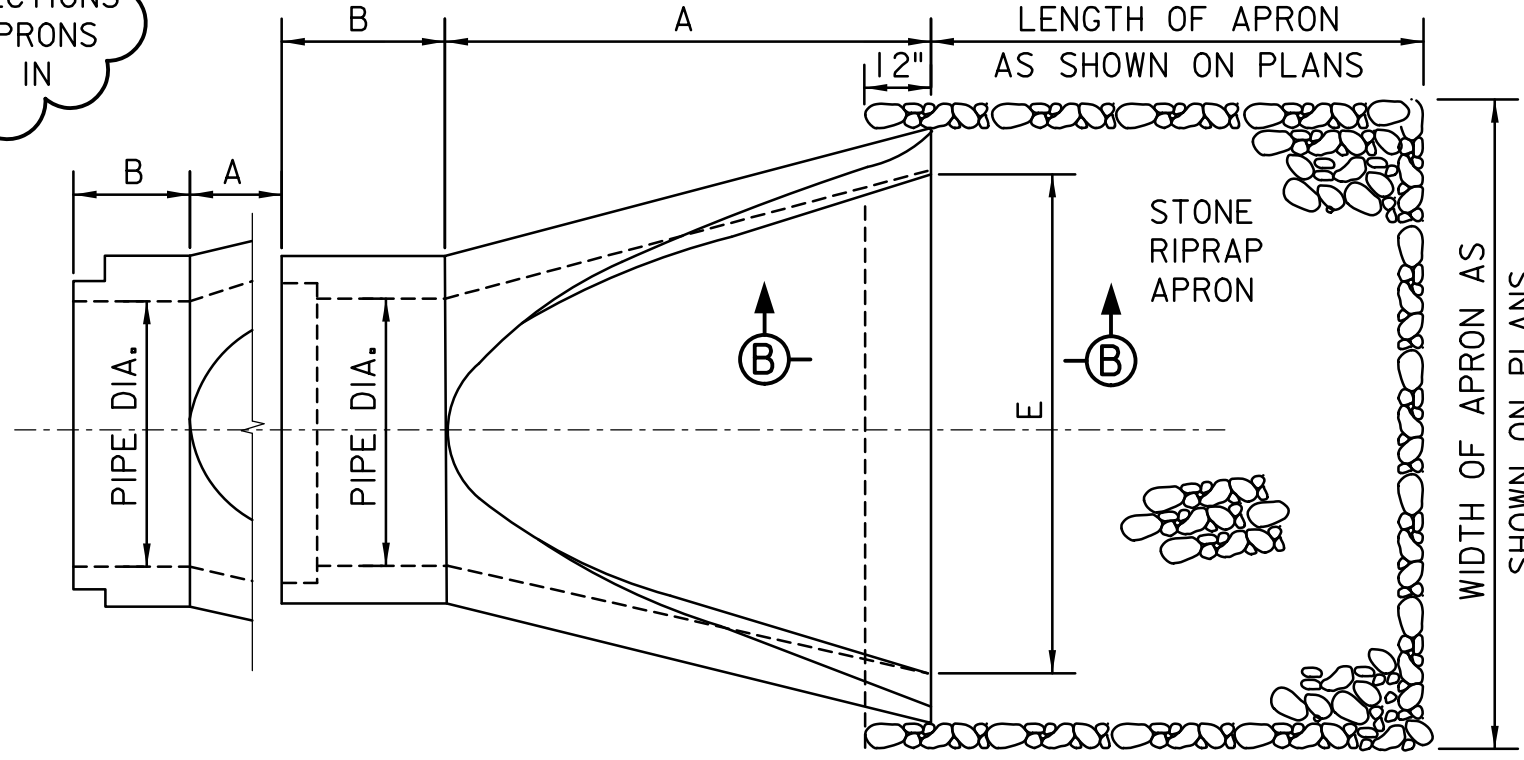


CONNECTIONS FOR HELICALLY CORRUGATED PIPE

CIRCULAR HDPE PIPE END SECTIONS								ARCH HDPE PIPE END SECTIONS							
PIPE DIA.	DIMENSIONS				SLOPE	BODY		SPAN RISE	DIMENSIONS				SLOPE	BODY	
	A (1\"+)	B (MAX.)	H* (1\"+)	L (1/2\")					A (1\"+)	B (MAX.)	H* (1\"+)	L (1/2\")			
12\"	6\"	6\"	6\"	21\"	24\"	2 1/2	1 Pc	18\"X11\"	7\"	9\"	6\"	19\"	30\"	2 1/2	1 Pc
15\"	7\"	8\"	6\"	26\"	30\"	2 1/2	1 Pc	22\"X13\"	7\"	10\"	6\"	23\"	36\"	2 1/2	1 Pc
18\"	8\"	10\"	6\"	31\"	36\"	2 1/2	1 Pc	25\"X16\"	8\"	12\"	6\"	28\"	42\"	2 1/2	1 Pc
24\"	10\"	13\"	6\"	41\"	48\"	2 1/2	1 Pc	29\"X18\"	9\"	14\"	6\"	32\"	48\"	2 1/2	1 Pc
30\"	12\"	16\"	8\"	51\"	60\"	2 1/2	2 Pc	36\"X22\"	10\"	16\"	6\"	39\"	60\"	2 1/2	1 Pc
36\"	14\"	19\"	9\"	60\"	72\"	2 1/2	2 Pc	43\"X27\"	12\"	18\"	8\"	46\"	75\"	2 1/2	1 Pc
42\"	16\"	22\"	11\"	69\"	84\"	2 1/2	2 Pc	50\"X31\"	13\"	21\"	9\"	53\"	85\"	2 1/2	2 Pc
48\"	18\"	27\"	12\"	78\"	90\"	2 1/4	2 Pc	58\"X36\"	18\"	26\"	12\"	63\"	90\"	2 1/2	2 Pc
54\"	18\"	30\"	12\"	84\"	102\"	2	2 Pc	65\"X40\"	18\"	30\"	12\"	70\"	102\"	2 1/4	2 Pc
60\"	18\"	33\"	12\"	87\"	114\"	1 3/4	3 Pc	72\"X44\"	18\"	33\"	12\"	77\"	114\"	2 1/4	3 Pc
66\"	18\"	36\"	12\"	87\"	120\"	1 1/2	3 Pc	79\"X49\"	18\"	36\"	12\"	77\"	126\"	2	3 Pc
72\"	18\"	39\"	12\"	87\"	126\"	1 1/2	3 Pc	85\"X54\"	18\"	39\"	12\"	77\"	138\"	2	3 Pc

TABLE OF DIMENSIONS
FLARED END SECTIONS FOR HDPE PIPE

*DIMENSION H TO BE 2\"/>



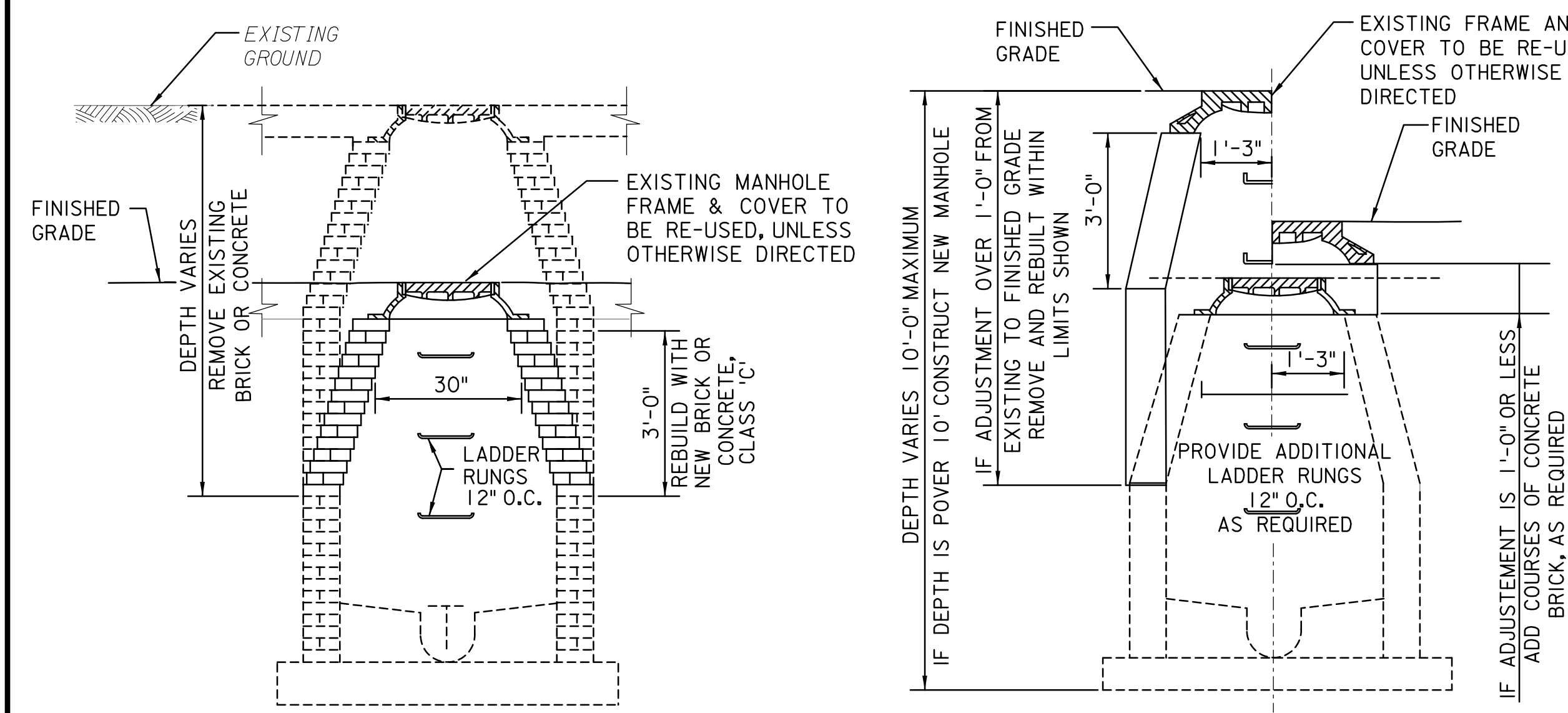
DESIGN AND WALL THICKNESS SHALL CONFORM TO REQUIREMENTS FOR CONNECTING PIPE.

FLARED END SECTION
FOR CONCRETE PIPE

PIPE DIA.	A	B	C	E
12\"	24\"	24\"	5\"	24\"
15\"	24\"	24\"	7 1/2\"	28\"
18\"	24\"	24\"	9\"	34\"
24\"	24\"	24\"	10\"	48\"
30\"	30\"	26\"	14\"	60\"
36\"	36\"	26\"	14\"	72\"
42\"	60\"	36\"	21\"	78\"
48\"	60\"	36\"	24\"	84\"
54\"	60\"	36\"	27\"	90\"
60\"	60\"	36\"	31\"	96\"
72\"	63\"	36\"	36\"	108\"

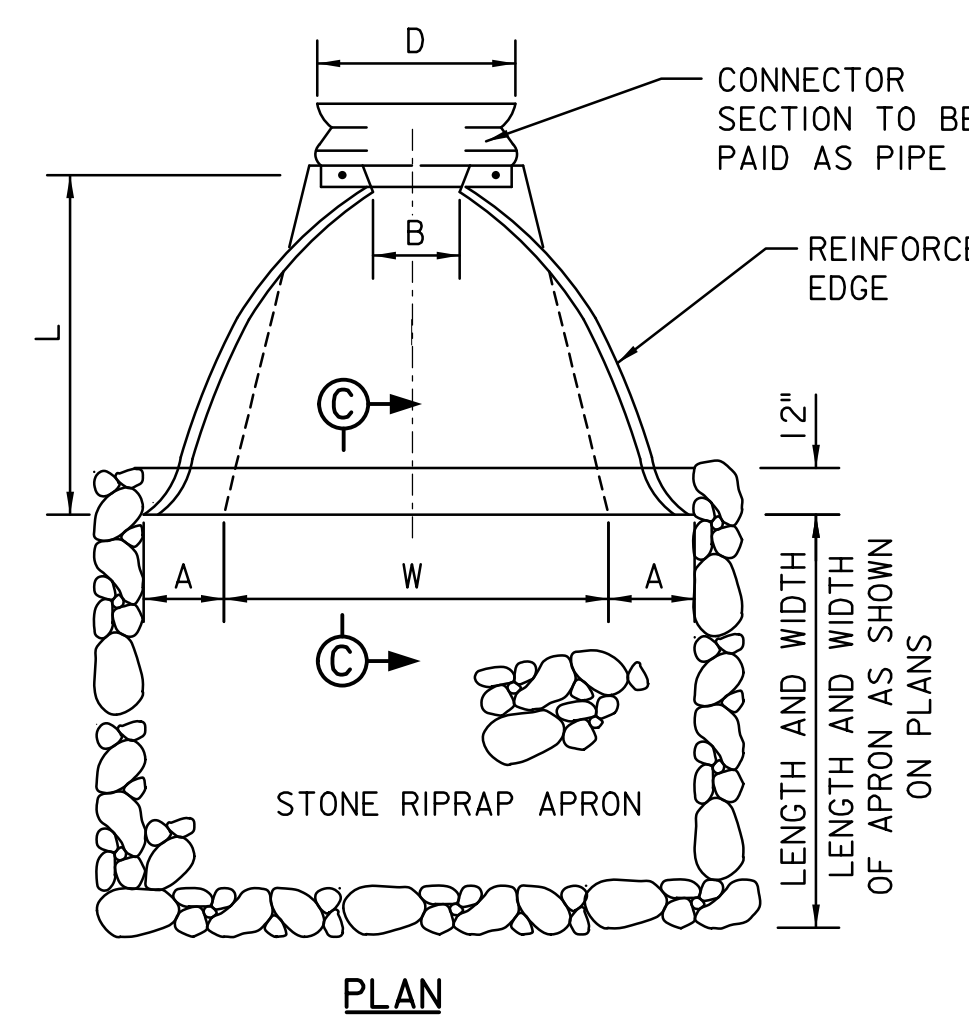
C- DIMENSION IS VERTICAL HEIGHT OF SECTION AT END OF FLARE.

TABLE OF DIMENSIONS
FLARED END SECTIONS FOR CONCRETE PIPE

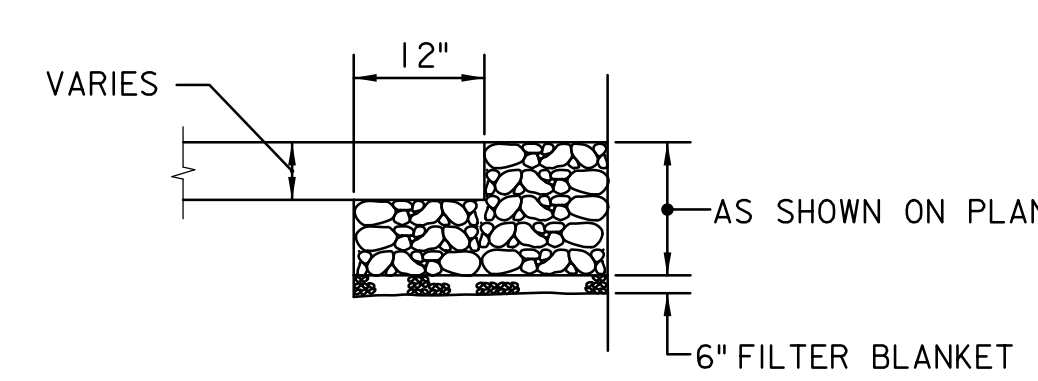


LOWERING EXISTING MANHOLE

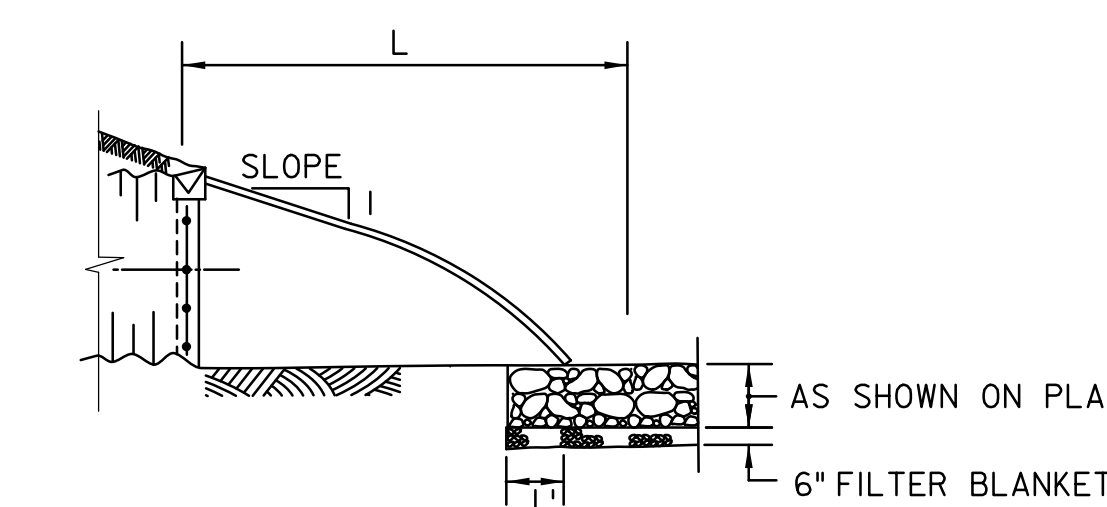
RAISING EXISTING MANHOLE



PLAN



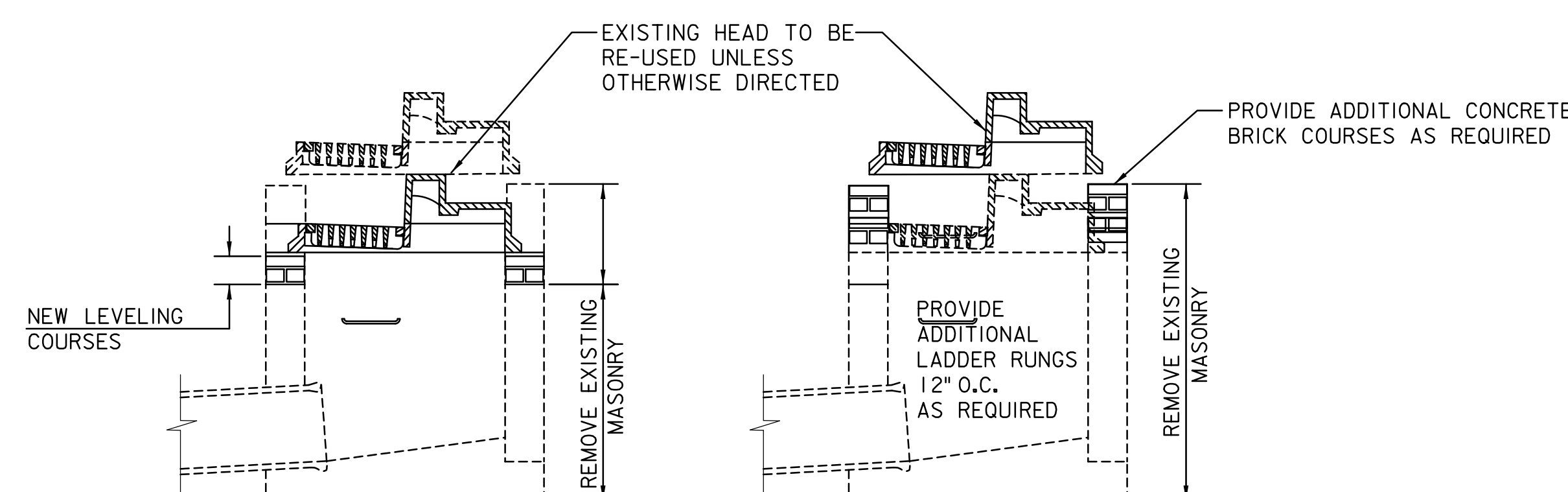
SECTION B-B



SECTION C-C

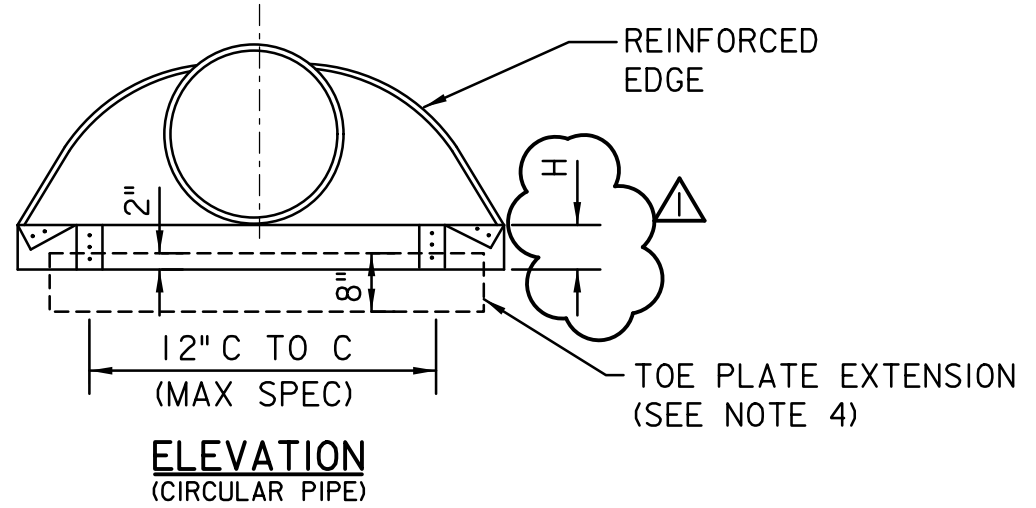
NOTES:

- LADDER, RUNGS TO BE PROVIDED IN ALL DROP INLETS OVER 4' DEEP.
- FRAMES TO BE RESET IN A FULL BED OF STIFF MORTAR.
- STONE RIPRAP APRONS ARE REQ'D. WITH FLARED END SECTIONS FOR ALL PIPES LARGER THAN 18\"/>

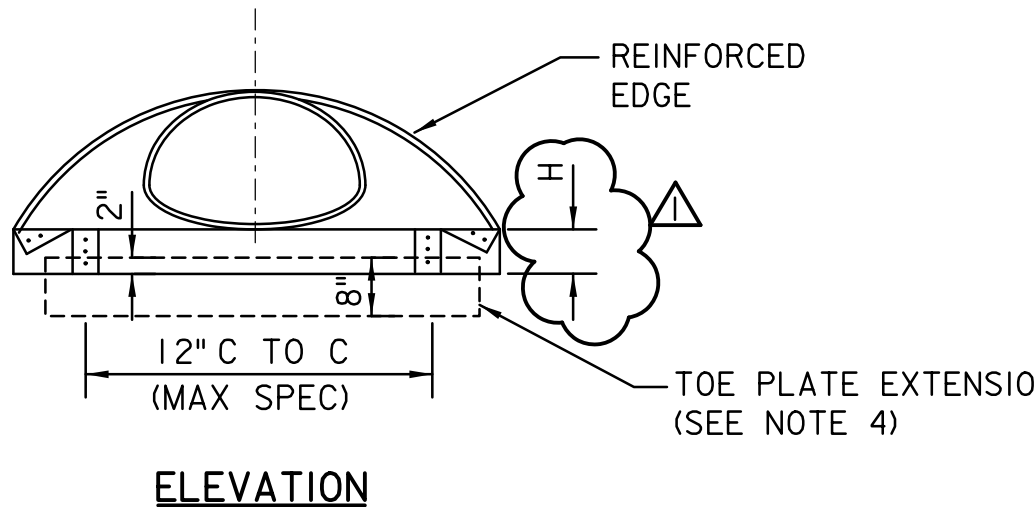


LOWERING EXISTING INLET

RAISING EXISTING INLET

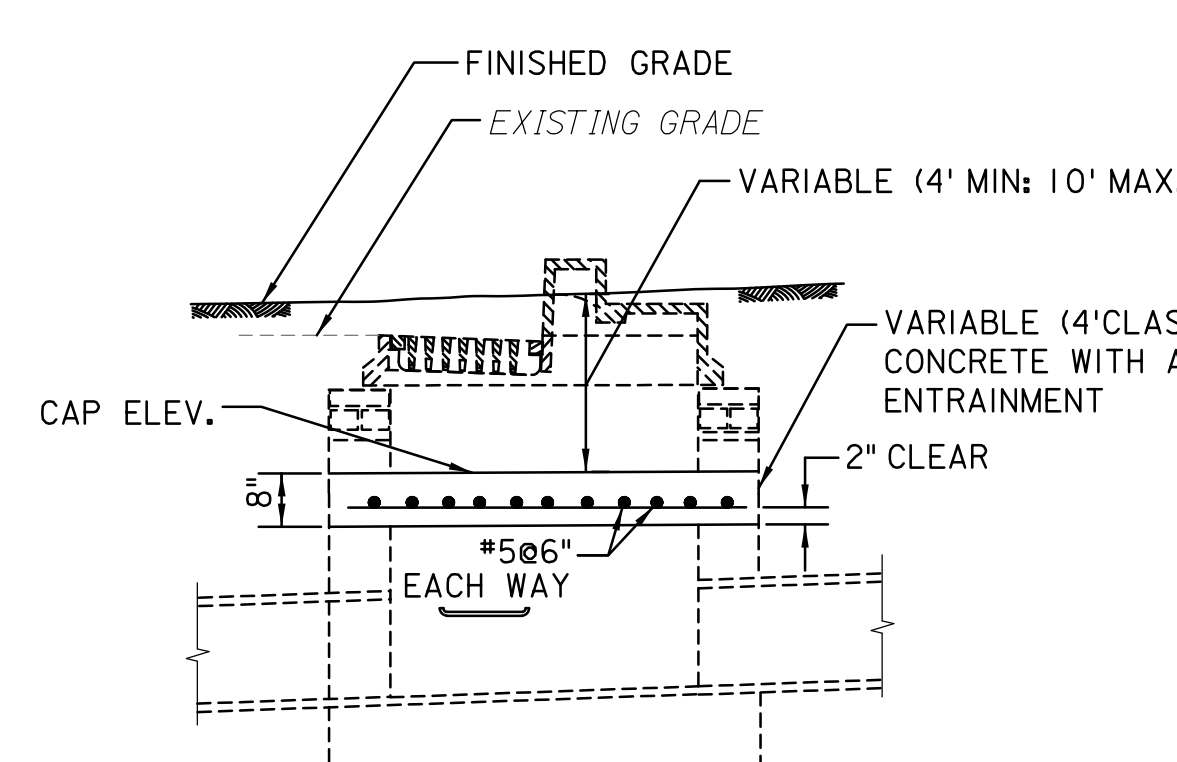


ELEVATION (CIRCULAR PIPE)



ELEVATION (ARCH PIPE)

FLARED END SECTIONS FOR
HDPE PIPES



CAPPING EXISTING
DRAINAGE STRUCTURE

NOTE: MANHOLES TO BE CAPPED IN A SIMILAR MANNER

1	UPDATED FOR HDPE PIPE AND CONCRETE COLLAR	03/26
0	ORIGINAL DRAWING	04/09
REV.	DESCRIPTION	DATE

NEW JERSEY TURNPIKE AUTHORITY
**NEW JERSEY TURNPIKE
GARDEN STATE PARKWAY**
STANDARD DRAWINGS

**ALTERATIONS OF MANHOLES, INLETS
AND MISCELLANEOUS DETAILS**

OFFICE OF THE CHIEF ENGINEER
NEW JERSEY TURNPIKE AUTHORITY
WOODBRIDGE, NEW JERSEY

STANDARD DRAWING
DR-4