GENERAL NOTES:

1. Use Class II concrete.

2. Reinforcing steel is either Grade 40 or 60.

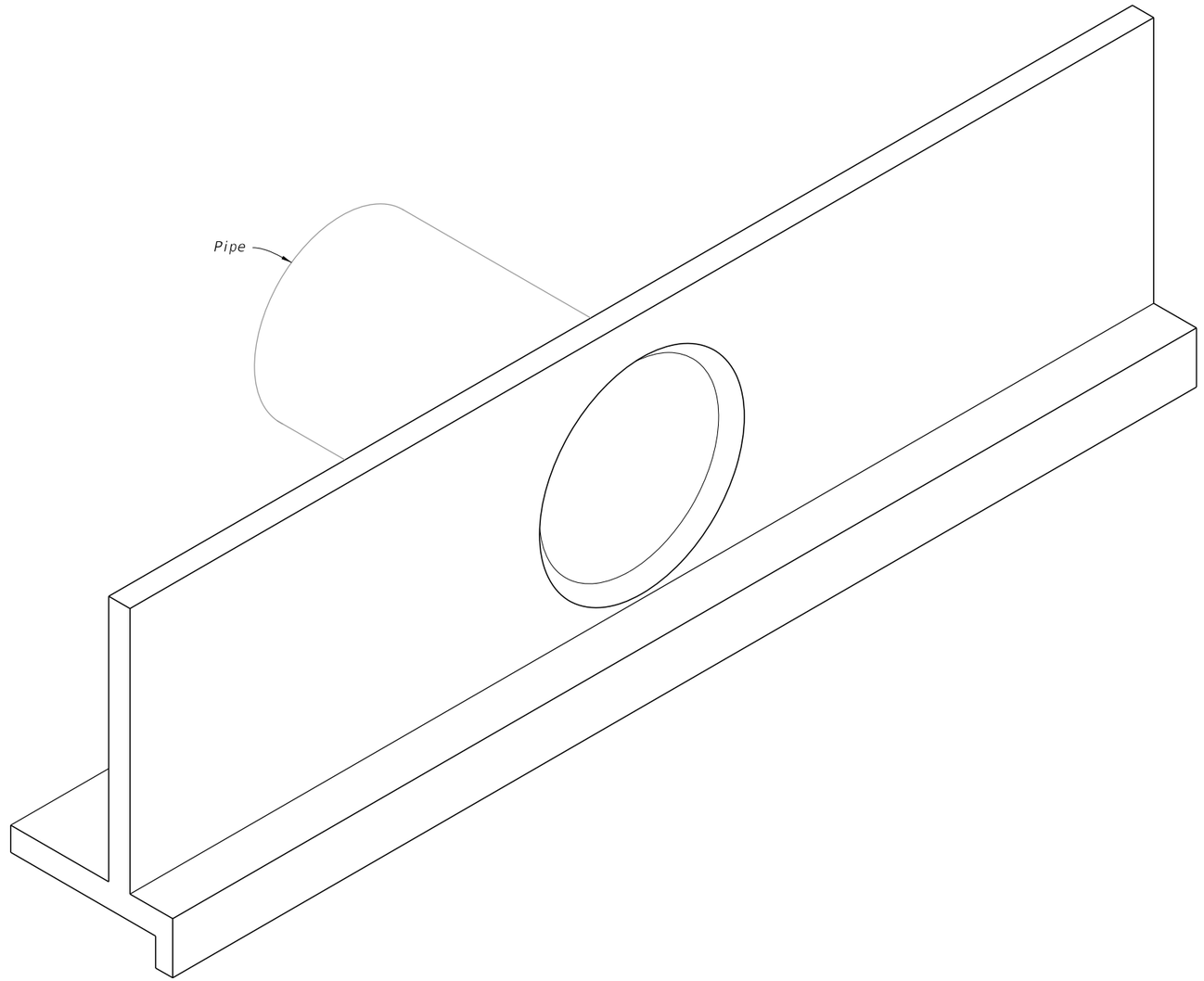
3. Endwalls may be cast in place or precast concrete. The Contractor or the Supplier will determine the additional reinforcement necessary for handling precast units.

4. Chamfer all exposed edges and corners ¾" unless otherwise shown.

5. Quantities shown are for estimating purposes only.

TABLE OF CONTENTS:

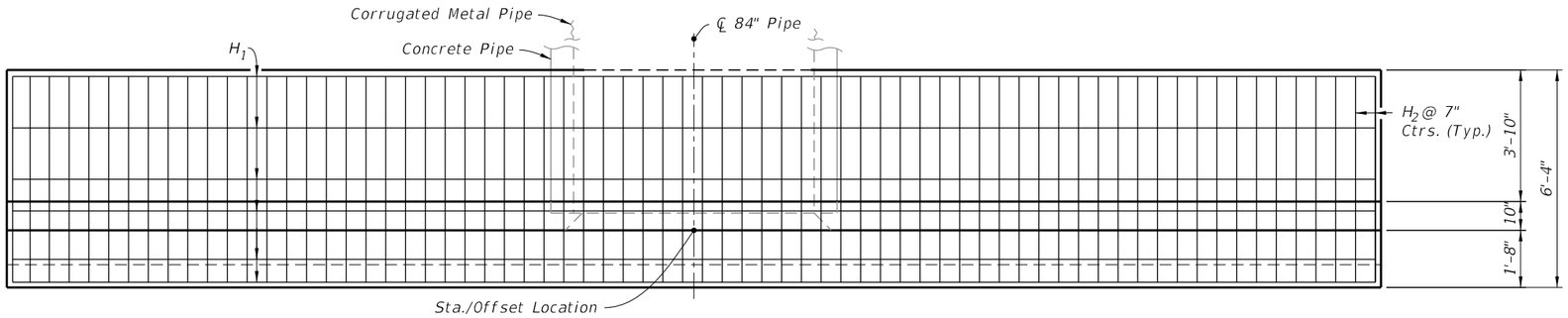
Sheet	Description
1	General Notes and Contents
2	Single 84" Pipe Endwall Details



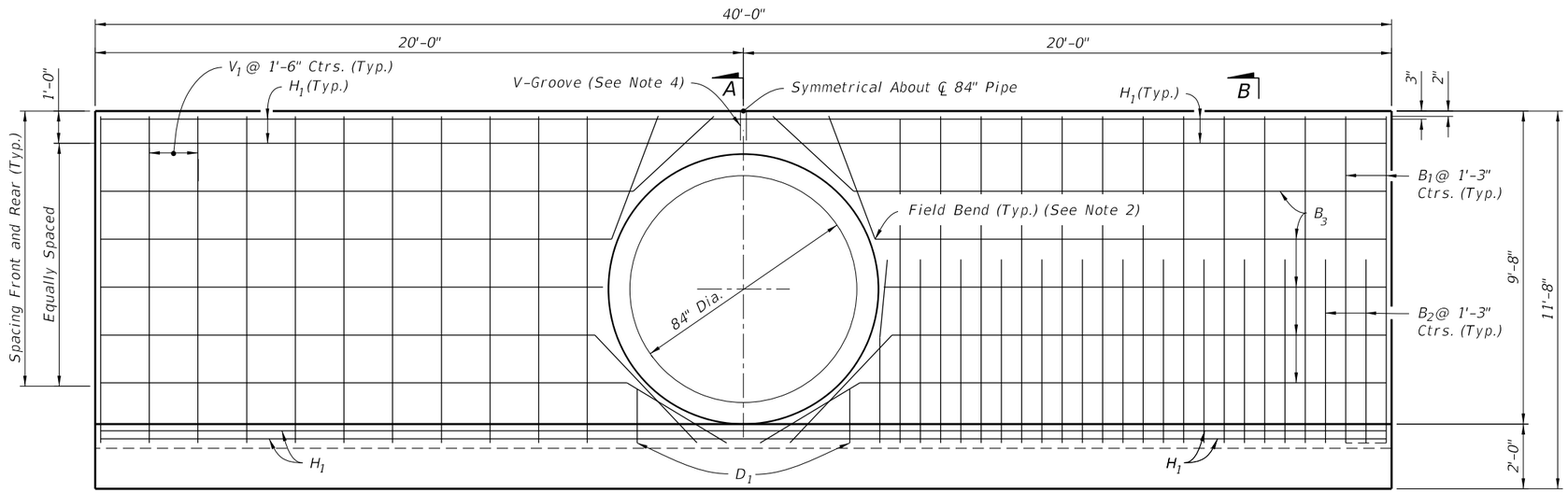
STRAIGHT CONCRETE ENDWALL SINGLE 84" PIPE

10/6/2022 1:56:07 PM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/19			FY 2023-24 STANDARD PLANS	STRAIGHT CONCRETE ENDWALLS SINGLE 84" PIPE	INDEX 430-034	SHEET 1 of 2



PLAN
(Showing Bars In Footing)



HALF ELEVATION
(Showing Bars in Front Face of Wall)
A

HALF ELEVATION
(Showing Bars in Back Face of Wall)
B

NOTES:

1. 2" clearance on all reinforcement, unless otherwise shown.
2. Cut and/or bend B_3 Bars as shown.
3. All bar dimensions are out to out.
4. Install a ¾" V-Groove at the top, front and back.

SINGLE 84" PIPE ENDWALL ESTIMATED QUANTITIES

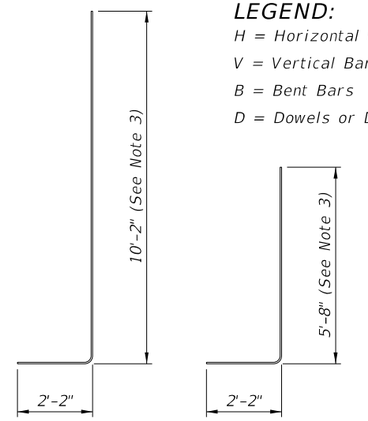
ITEM	UNIT	RCP	CMP
Class II Concrete	Cu. Yd.	20.0	20.2
Reinforcing Steel	Lb.	2,095	2,095

BILL OF REINFORCING STEEL

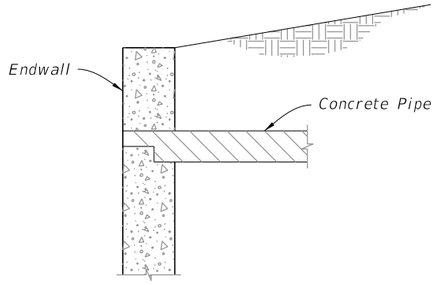
MARK	SIZE	NO. REQD.	LENGTH
H_1	4	6	39'-8"
H_2	6	69	6'-0"
V_1	4	22	10'-2"
B_1	6	26	12'-4"
B_2	6	26	7'-10"
B_3	4	14	39'-8"
D_1	4	4	2'-0"

LEGEND:

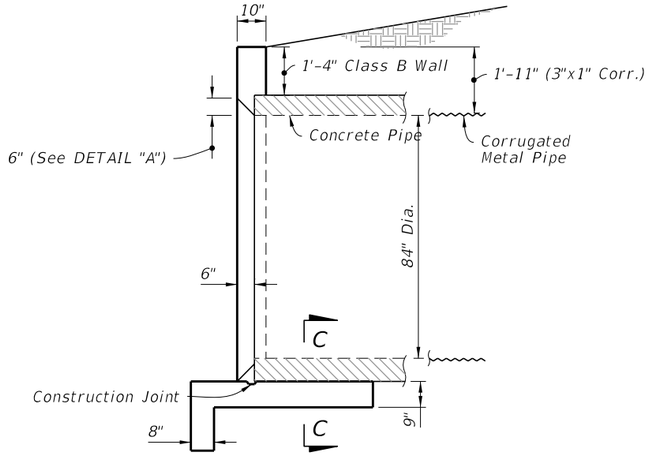
H = Horizontal Bars
V = Vertical Bars
B = Bent Bars
D = Dowels or Diagonal Bars



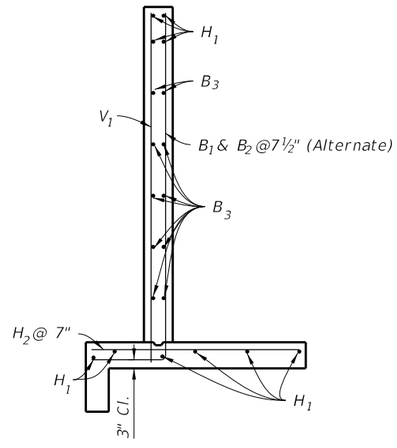
BAR B_1 BAR B_2
BENDING DIAGRAM



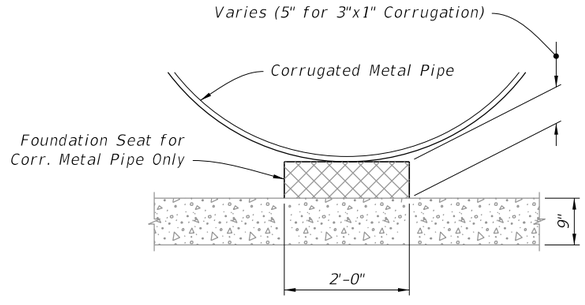
DETAIL "A"
(Concrete Pipe Optional Entrance)



SECTION A-A
(Rebar Not Shown)



SECTION B-B
(Typical Section)



SECTION C-C

SINGLE 84" PIPE ENDWALL DETAILS

10/6/2022 1:56:08 PM

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	STRAIGHT CONCRETE ENDWALLS SINGLE 84" PIPE	INDEX	SHEET
11/01/19					430-034	2 of 2