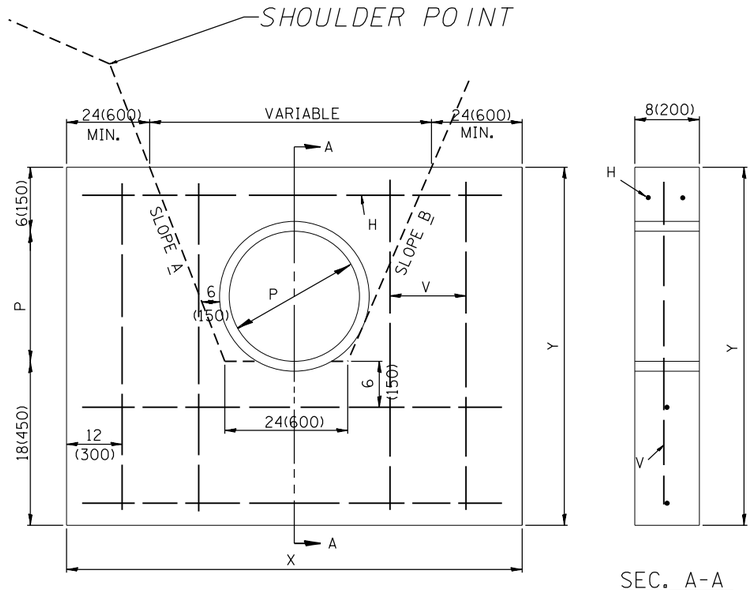
DESIGNER NOTES:
1. INCLUDE DISTRICT CADD STANDARDS FOR CONCRETE THRUST BLOCKS AND PIPE ELBOW.
2. INCLUDE DISTRICT SPECIAL PROVISION.

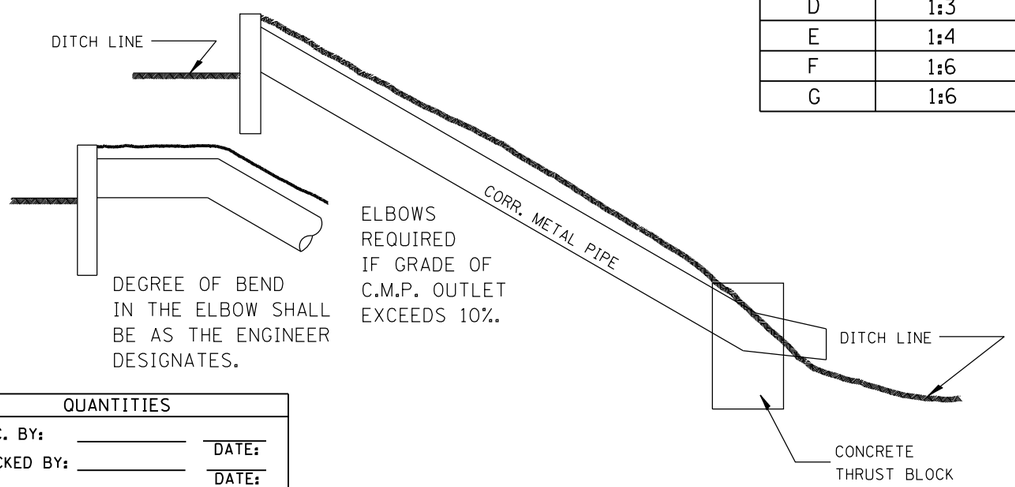


SEC. A-A

General Notes

1. CLASS "SI" CONCRETE TO BE USED FOR CAST-IN-PLACE WALL.
2. ALL REINFORCING BARS ARE #4 (#15).
3. LENGTH AND SIZE CORR. METAL PIPE AS SHOWN ON PLANS
4. TOP OF WALL TO BE BELOW ELEVATION OF SHOULDERS

DESIGN	SLOPE A	SLOPE B
A	1:2	1:2
B	1:3	1:2
C	1:4	1:2
D	1:3	1:3
E	1:4	1:3
F	1:6	1:4
G	1:6	1:3



DESIGN	P	X	Y	CONCRETE CU. YDS (m^3)	REINFORCING BARS lb (kg)	H	V
12-A	12(300)	12'-0"(3.66m)	36(914)	0.9(0.69)	37(17)	11'-6" (3.51m)	30(762)
12-B	12(300)	13'-0"(3.96m)	36(914)	1.0(0.76)	41(19)	13'-0" (3.96m)	30(762)
12-C	12(300)	15'-0"(4.57m)	36(914)	1.1(0.84)	45(20)	14'-6" (4.42m)	30(762)
12-D	12(300)	15'-0"(4.57m)	36(914)	1.1(0.84)	45(20)	14'-6" (4.42m)	30(762)
12-E	12(300)	16'-6"(5.03m)	36(914)	1.2(0.92)	49(22)	16'-0" (4.88m)	30(762)
15-A	15(375)	13'-0"(3.96m)	39(991)	0.9(0.69)	41(19)	12'-6" (3.81m)	33(838)
15-B	15(375)	14'-9"(4.50m)	39(991)	1.2(0.92)	45(20)	14'-3" (4.34m)	33(838)
15-C	15(375)	16'-6"(5.03m)	39(991)	1.3(0.99)	50(23)	16'-0" (4.88m)	33(838)
15-D	15(375)	16'-6"(5.03m)	39(991)	1.3(0.99)	50(23)	16'-0" (4.88m)	33(838)
15-E	15(375)	18'-3"(5.56m)	39(991)	1.4(1.07)	55(25)	17'-9" (5.41m)	33(838)
15-F	15(375)	23'-0"(7.16m)	39(991)	1.9(1.45)	69(31)	23'-0" (7.01m)	33(838)
15-G	15(375)	21'-9"(6.63m)	39(991)	1.7(1.30)	64(29)	21'-3" (6.48m)	33(838)
18-A	18(450)	14'-4"(4.37m)	3'-6"(1.07m)	1.2(0.92)	44(20)	13'-6" (4.11m)	36(914)
18-B	18(450)	16'-0"(4.88m)	3'-6"(1.07m)	1.3(0.99)	49(22)	15'-6" (4.72m)	36(914)
18-C	18(450)	18'-0"(5.49m)	3'-6"(1.07m)	1.5(1.15)	55(25)	17'-6" (5.33m)	36(914)
18-D	18(450)	18'-0"(5.49m)	3'-6"(1.07m)	1.5(1.15)	55(25)	17'-6" (5.33m)	36(914)
18-E	18(450)	20'-0"(6.10m)	3'-6"(1.07m)	1.7(1.30)	60(27)	19'-6" (5.94m)	36(914)
18-F	18(450)	26'-0"(7.92m)	3'-6"(1.07m)	2.2(1.68)	76(34)	25'-6" (7.77m)	36(914)
18-G	18(450)	24'-0"(7.32m)	3'-6"(1.07m)	2.0(1.53)	71(32)	23'-6" (7.16m)	36(914)
24-A	24(600)	16'-0"(4.88m)	4'-0"(1.22m)	1.5(1.15)	51(23)	15'-6" (4.72m)	3'-6" (1.07m)
24-B	24(600)	18'-6"(5.64m)	4'-0"(1.22m)	1.7(1.30)	57(26)	18'-0" (5.49m)	3'-6" (1.07m)
24-C	24(600)	21'-0"(6.40m)	4'-0"(1.22m)	2.0(1.53)	64(29)	20'-6" (6.25m)	3'-6" (1.07m)
24-D	24(600)	21'-0"(6.40m)	4'-0"(1.22m)	2.0(1.53)	64(29)	20'-6" (6.25m)	3'-6" (1.07m)
24-E	24(600)	23'-6"(7.16m)	4'-0"(1.22m)	2.2(1.68)	71(32)	23'-0" (7.01m)	3'-6" (1.07m)
30-A	30(750)	18'-0"(5.49m)	4'-6"(1.37m)	1.9(1.45)	57(26)	17'-6" (5.33m)	4'-0" (1.22m)
30-B	30(750)	21'-0"(6.40m)	4'-6"(1.37m)	2.0(1.53)	65(29)	20'-6" (6.25m)	4'-0" (1.22m)
30-C	30(750)	24'-0"(7.32m)	4'-6"(1.37m)	2.6(1.99)	73(33)	23'-6" (7.16m)	4'-0" (1.22m)
30-D	30(750)	24'-0"(7.32m)	4'-6"(1.37m)	2.6(1.99)	73(33)	23'-6" (7.16m)	4'-0" (1.22m)
30-E	30(750)	27'-0"(8.33m)	4'-6"(1.37m)	2.9(2.22)	81(37)	26'-6" (8.08m)	4'-0" (1.22m)

QUANTITIES

CALC. BY: _____ DATE:

CHECKED BY: _____ DATE:

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. J-10.01, METRICS, NEW REVISION BOX,	T.P.
	ADDED QUANTITY CALCULATION BOX, REVISED NOTES	
10-16-06	REV. TO 2007 SPEC., REINF. BARS COL.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE DITCH CHECK

NOT TO SCALE

CADD STD. 503001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		