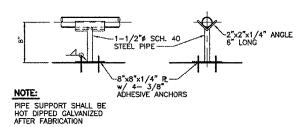
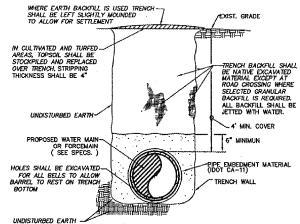


PIPE SUPPORT DETAIL





EMBEDMENT METHOD

BELOW PIPE: LOOSENED NATIVE MATERIAL UP TO 6" OWER PIPE: PIPE EMBEDMENT MATERIAL TO BE FINE EXCAVATED MATERIAL FRE OF CLODS AND FROZEN CHUNKS, SHOWLED UNDER SIDES OF PIPE, AND TAMPED IN PLACE, USE SELECTED GRANULAR BACKFILL FOR EMBEDMENT MATERIAL WHERE SHOWN ON THE SHEETS, AND TAMPED IN PLACE.

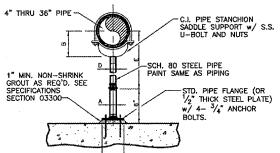
FORCEMAIN INSTALLATION

N.T.S.

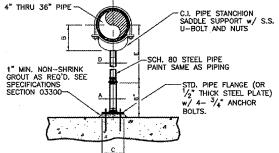
PIPE SUPPORT DETAIL N.T.S.

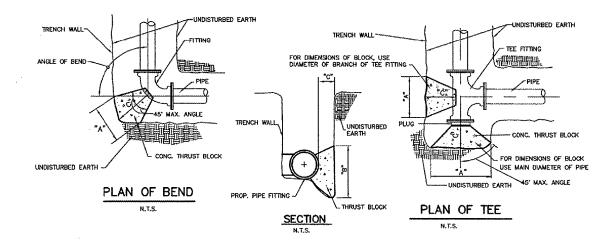
### ADJUSTABLE PIPE SUPPORT DETAIL DIMENSION TABLE

PIPE					E		
SIZE	A	8	C	D	MIN.	MAX.	
4"	3"	4-1/4"	9"	2-1/2"	9-1/4"	14"	
5"	3"	4-7/8"	9"	2-1/2"	10"	14-3/4"	
6"	3"	5-1/2"	9*	2-1/2"	10-1/2"	15-1/4"	
8"	3"	6-7/8"	9"	2-1/2"	11-3/4"	16-1/2"	
10"	3"	8-1/2"	9"	2-1/2"	13-1/2"	18-1/4"	
12"	3"	9-15/16"	9"	2-1/2"	15"	19-3/4"	
14"	4"	10-15/16"	11"	3"	16-1/4"	20-3/4"	
16"	4"	12-3/8"	11"	3"	17-3/4"	22-1/4"	
18"	6*	13-7/8"	131/2"	3-1/2"	19-1/2"	24"	
20"	6"	15-3/8"	13-1/2"	3-1/2"	21"	25-1/2"	
24"	6"	17-15/16"	13-1/2"	4"	23-3/4"	28-1/4"	
30"	6"	21-5/16"	131/2"	4"	27"	31-1/2"	
32"	6"	22-1/2"	13-1/2"	4"	28-1/4"	32-3/4	
36"	6"	24-1/2"	13-1/2"	4"	30-1/4"	34-3/4	



# ADJUSTABLE PIPE SUPPORT DETAIL





90° BEND		45° BEND		22-1/2* BEND		11-1/4" BEND			TEE OR PLUG						
SIZE	Α	В	С	Α	В	С	Α	В	С	Α	В	Ç.	Α	В	С
4"& 5"	1'-4"	1'~0"	6"	1'-1"	0,-8,	6*	0,8,	0,-6,	6**	0,-6,	0'-6"	6"	1'8"	1-2-	ア
8"	2'~0"	1'-2"	8"	1'3"	1'0"	8*	1'0"	0'~8*	8"	0'8"	0'-8"	8"	2'-6*	1'-4"	11"
10**	2'~5"	1'~7"	10"	1'~9"	1'~2"	8"	1'~3"	0'~10"	8"	0'~11"	0'-10"	8*	2'-10"	1'10"	1'~0"
12"	4'-0"	2'~8"	1'-6"	3'~0"	2'~0"	1'~0"	2'-2"	1'~5"	8"	1'-6"	1"~0"	8"	4'-10"	3'-2"	1'-11"
18"	5'-0"	2'-8"	1'-9"	3'~6"	2'~0"	1'-6"	2'~5"	1'-6"	1'-6"	1'-6"	1'-6"	1'~6"	6'~0"	3'1"	2'~3"

WALL PENETRATION SEAL DETAIL

PASSING PIPE

EXISTING CONCRETE WALL-

-CORE DRILL - COORDINATE w/ LINK SEAL SIZE

-LINK SEAL TYPE WALL
PENETRATION SEAL MODEL LS
ASSEMBLY W/ S.S. BOLTS
AND NUTS (OR AS SPECIFIED)

CONTRACTOR TO COORDINATE CORE CUT AND LINK SEAL SIZES.

- PROVIDE HALF ROUND RIGID INSULATION AND INSULATION PROTECTION SHIELD WHERE PIPING IS INSULATED.
- PROVIDE NEOPRENE WAFFLE ISOLATION PAD SIMILAR TO MASON TYPE W OR KORFUND KORPAD 40, UNDER SUPPORT FOOT WHEN PIPING IS ISOLATED OR SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT,
- 3. FOR BASE, HEIGHT AND FLANGE DIMENSIONS, SEE TABLE, THIS DETAIL.

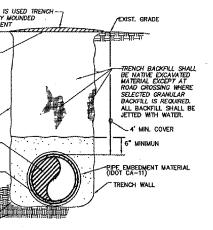
## THRUST BLOCK DETAILS

## NOTES:

- 1. ALL FORCEMAIN BENDS, TEES, WYES, PLUGS, FITTINGS OR OTHER SIGNIFICANT CHANGES IN ALIGNMENT SHALL BE BRACED WITH POURTED CONCRETE THRUST BLOCKS, FITTINGS CONNECTED TO PVC PIPE WITH RETAINING GLANDS WILL NOT BE ALLOWED.

  2. "C" DIMENSION SHALL BE AS REQUIRED TO REACH UNDISTURBED EARTH BUT NOT LESS THAN VALUE LISTED IN TABLE BELOW.

  \*\*PLANCE STATE AND THE STATE OF T
- DIMENSIONS "A" AND "B" ARE BASED ON INTERNAL PIPE PRESSURE OF 100 P.S.I. AND BEARING ON THE UNDISTURBED SOIL OF 1500 P.S.F.
- 4. "8"= HEIGHT OF THRUST BLOCK
- 3. ALL FITTINGS SHALL BE SEPARATED FROM THE CONCRETE THRUST BLOCKING WITH A LAYER OF 10 MIL, POLYETHYLENE



RO014 K:\RockfordAp\0725806 NW Air Cargo Dev\Draw\Shen FILE: Nw-forcedtl.dwg LAYOUT: Layout1 UPDATE BY: Jeremy Linke SURVEY BOOK # DATE: Thursday, April 03, 2008 11:34:08 AM XREF DWG: tbclnt.dwg REVISIONS NUMBER BY DATE THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22). S DETAIL ROCKFORD INTERNATIONAL ROCKFORD, ILLINOIS FORCEMAIN ANITARY CHICAGO ι

DESIGN BY:	CAL					
DRAWN BY:	JRO					
CHECKED BY:	CAL					
APPROVED BY:						
DATE:	02/29/08					

ILLINOIS PROJECT: RFD-3787 A.I.P. PROJECT: 3-17-0088-XX FINAL SUBMITTAL

JOB No:

SHEET 72 OF 83 SHEETS

07258-06