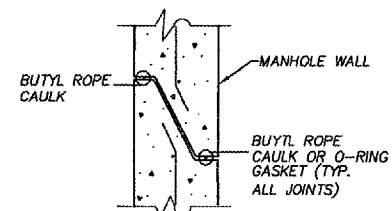


**SURFACE PAINTED HOLDING POSITION SIGN**  
 NO SCALE

1. ALL SURFACE PAINTED HOLDING POSITION SIGNS SHALL HAVE A RED BACKGROUND WITH A WHITE INSCRIPTION, AND WILL BE OUTLINED WITH A 6" BLACK BORDER.
2. 6 AND 24 OR 12 AND 30 MAY BE SWITCHED DEPENDING ON WHICH TAXIWAY IS BEING MARKED. SEE PLAN SHEET FOR ORIENTATION OF NUMERALS.



**TYP. MANHOLE WALL JOINT**  
 N.T.S.

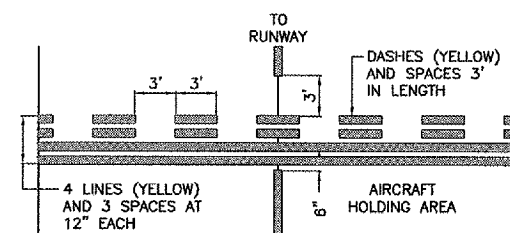
**NOTE:**  
 CONC. SUPPORT FOR AN UNDERCUT SEWER TO BE USED ONLY WHERE REQ'D. BY THE ENG. AND SHALL BE PAID FOR PER CU.YD. UNDER "CONC. CRADLE OR ENCASEMENT" BID ITEM. IF CONC. SUPPORT IS NOT REQ'D. SELECTED GRANULAR BACKFILL SHALL EXTEND TO TOP OF EXIST. SEWER.

**NOTE:**  
 ADDITIONAL REQUIREMENTS FOR CONCRETE MANHOLE CASTINGS, AND RESILIENT SEAL AROUND PIPE ARE IN THE SPECIFICATIONS. FOR CONNECTING EXISTING SEWERS TO PROPOSED MANHOLES, SEE SPECIFICATIONS.

MANHOLE TYPE	INSIDE DIA.	MIN. WALL THICKNESS
A-4	4'-0"	5"
A-5	5'-0"	6"
A-6	6'-0"	7"

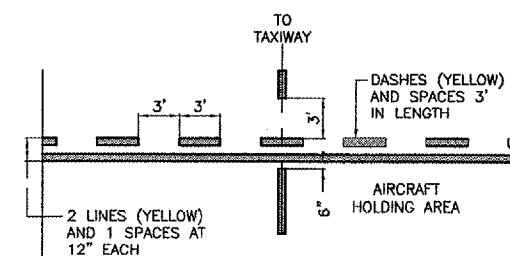
REVISIONS		
NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2' AT FULL SCALE (34x22).



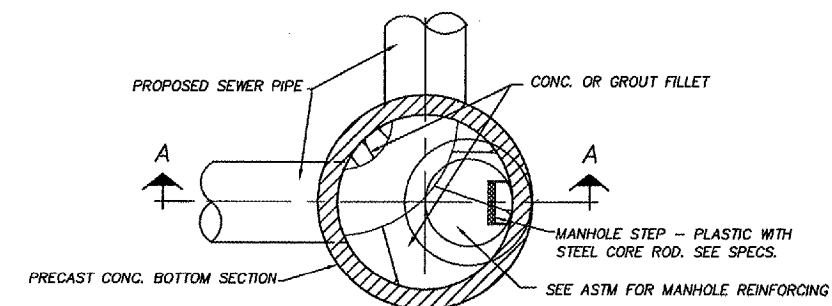
**RUNWAY HOLDING POSITION MARKER**  
 NO SCALE

**NOTE:** ALL HOLDING POSITION MARKINGS SHALL HAVE 6" WIDE BLACK BORDER.



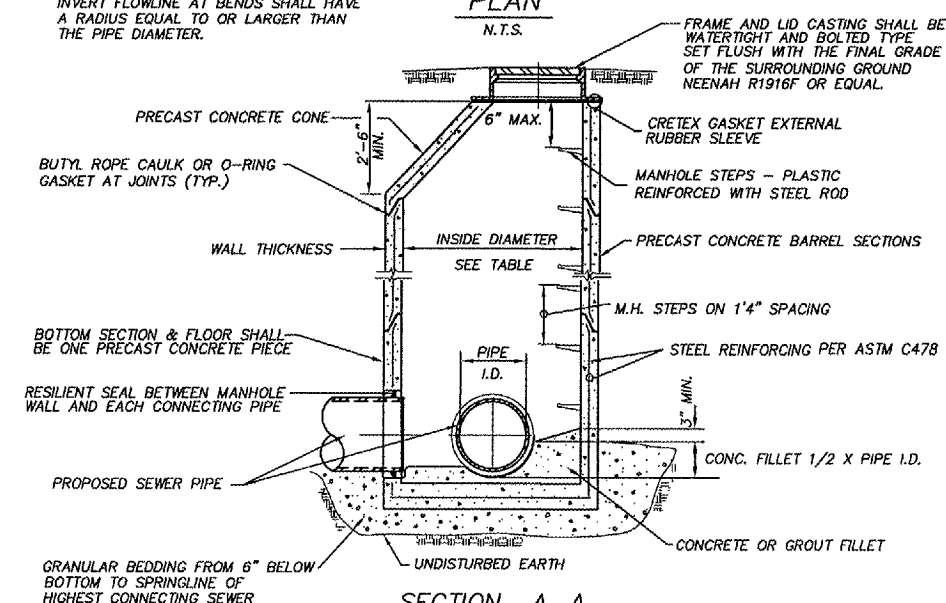
**TAXIWAY HOLDING POSITION MARKER**  
 NO SCALE

**NOTE:** ALL HOLDING POSITION MARKINGS SHALL HAVE 6" WIDE BLACK BORDER.



**PLAN**  
 N.T.S.

**NOTE:**  
 INVERT FLOWLINE AT BENDS SHALL HAVE A RADIUS EQUAL TO OR LARGER THAN THE PIPE DIAMETER.



**SECTION A-A**  
**MANHOLE - TYPE "A"**  
 N.T.S.

PALWAUKEE MUNICIPAL AIRPORT  
 WHEELING/PROSPECT HEIGHTS, ILLINOIS

SANITARY AND MISCELLANEOUS DETAILS

© Copyright CMT, Inc.  
**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 84-00613

DESIGN BY:	MJS
DRAWN BY:	JRO
CHECKED BY:	MJS
APPROVED BY:	
DATE:	06/29/06
JOB No:	06290-07
ILLINOIS PROJECT:	PWK-3613
A.I.P. PROJECT:	3-17-0018-B39