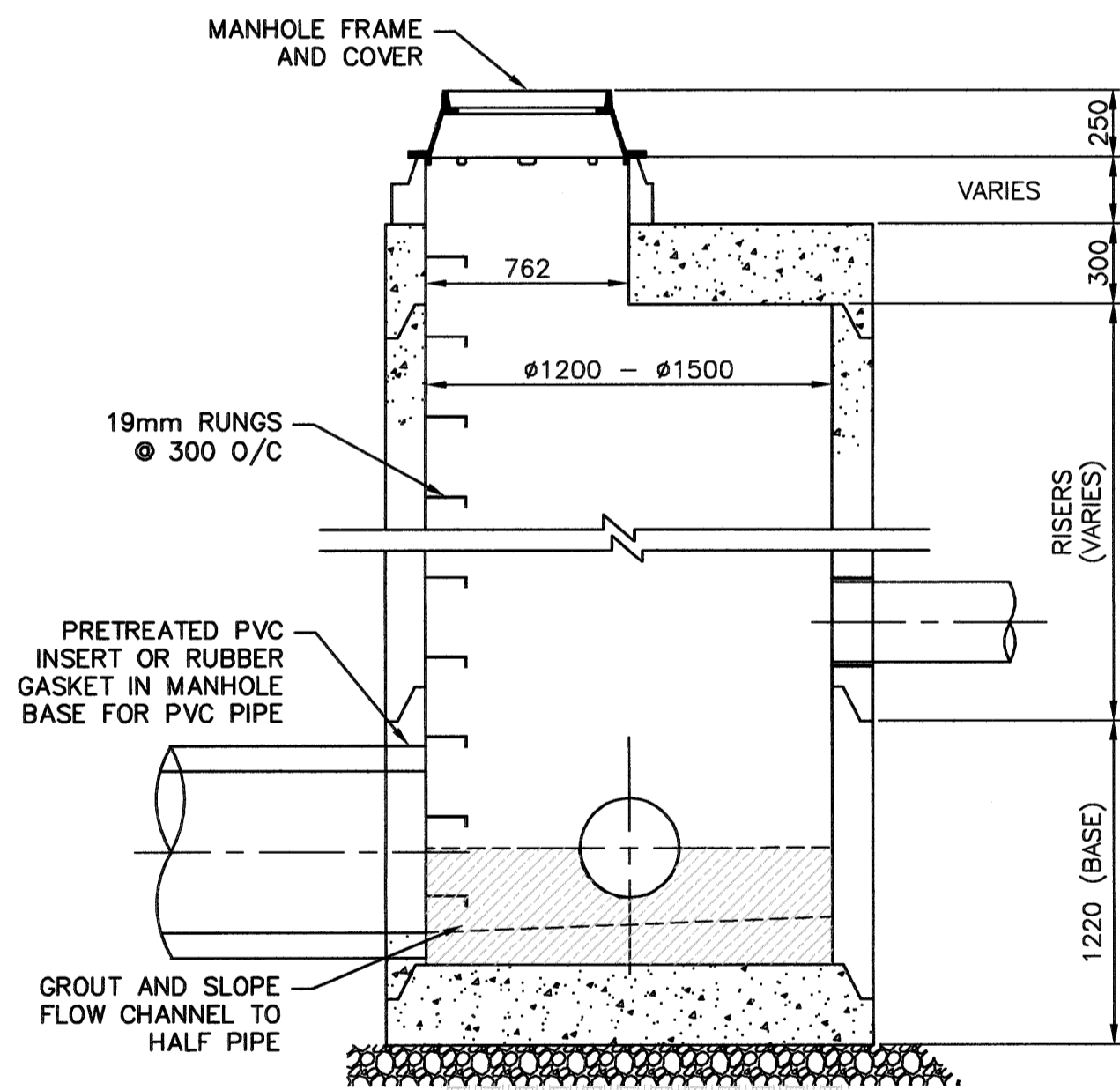


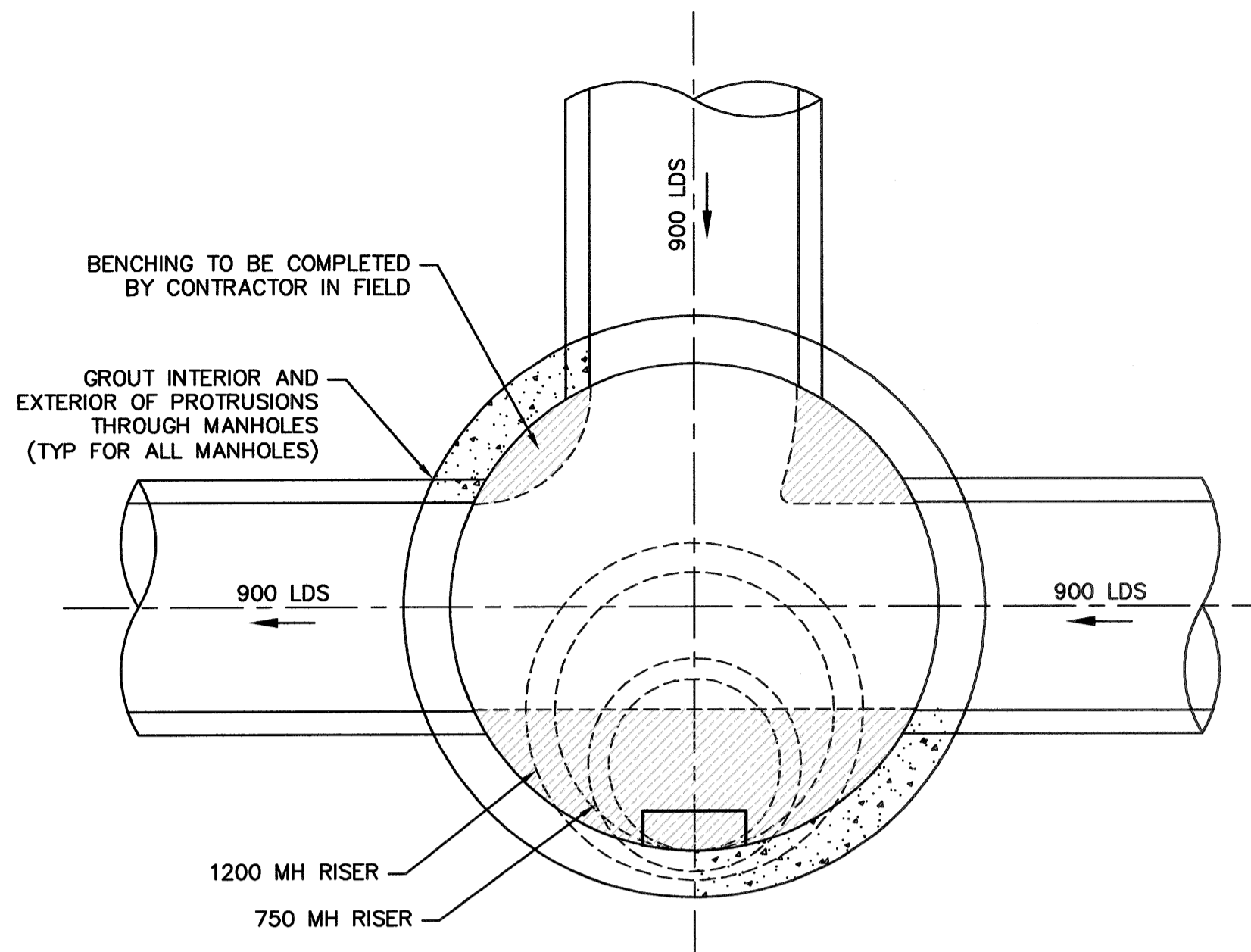
PLAN



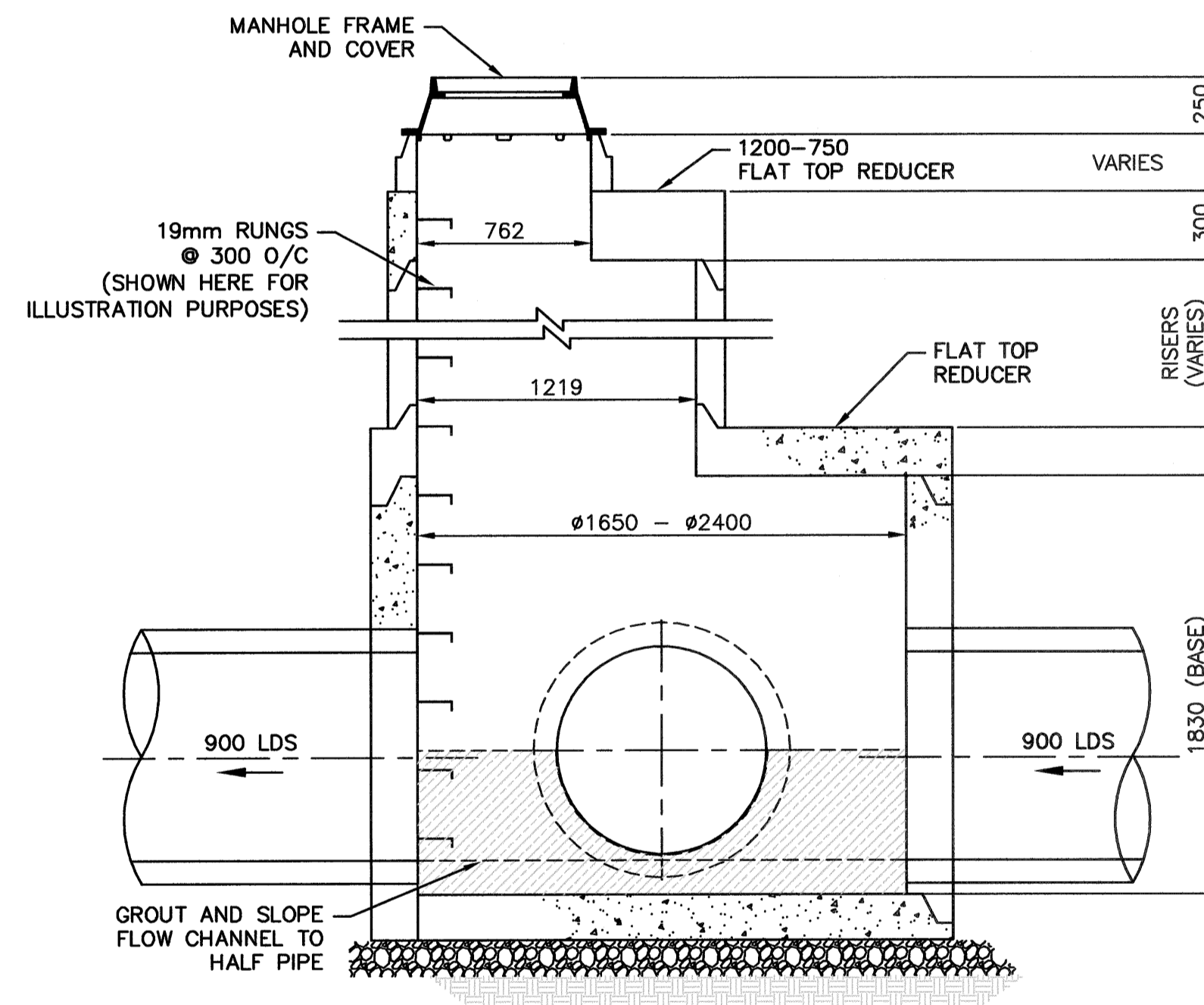
SECTION

NOTE:  
REFER TO PLAN/PROFILE DRAWINGS FOR ACTUAL PIPE SIZE,  
INVERTS AND MANHOLE ORIENTATION

1 TYPICAL  $\phi 1200 - \phi 1500$  MANHOLE DETAILS  
1:25



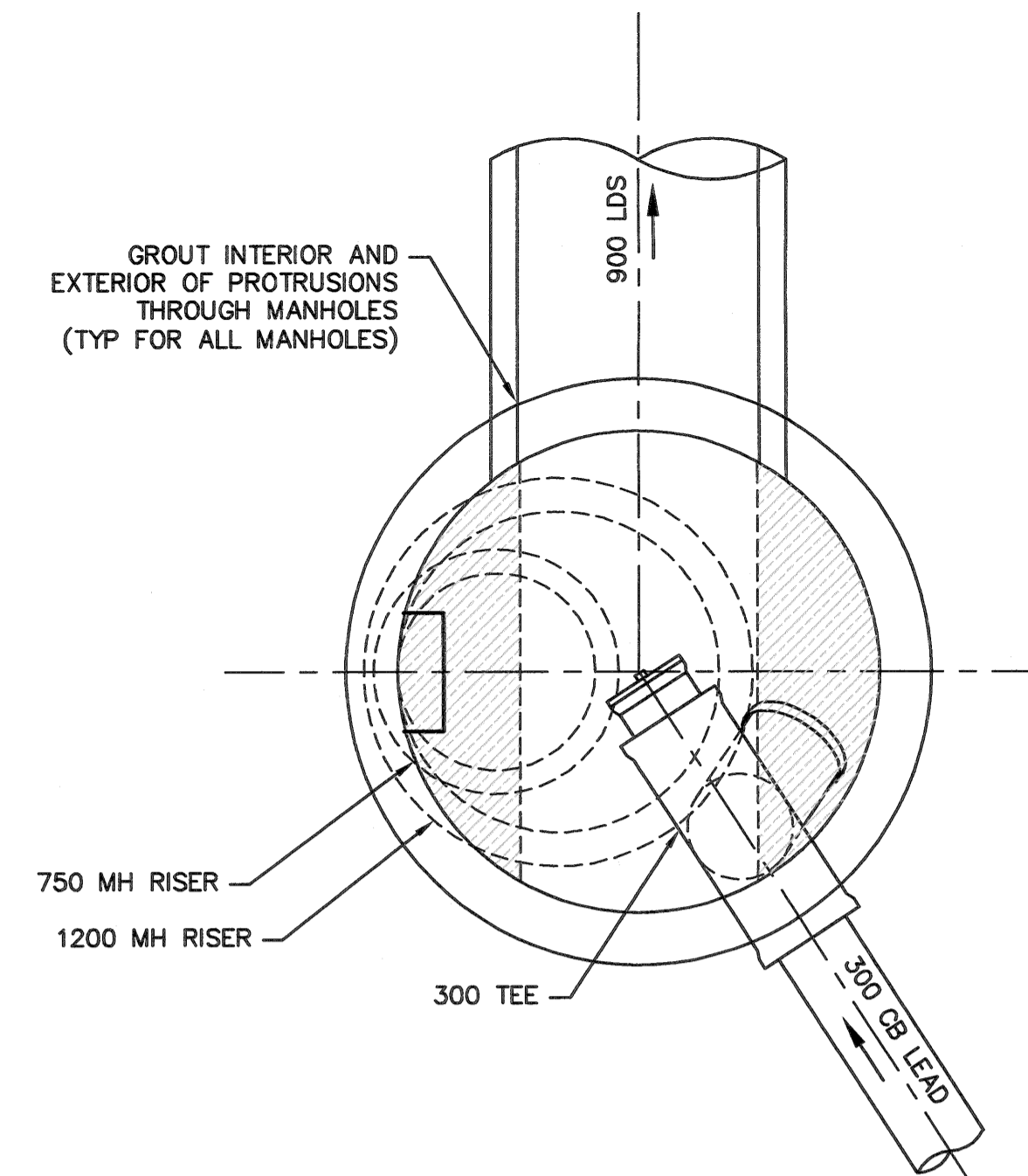
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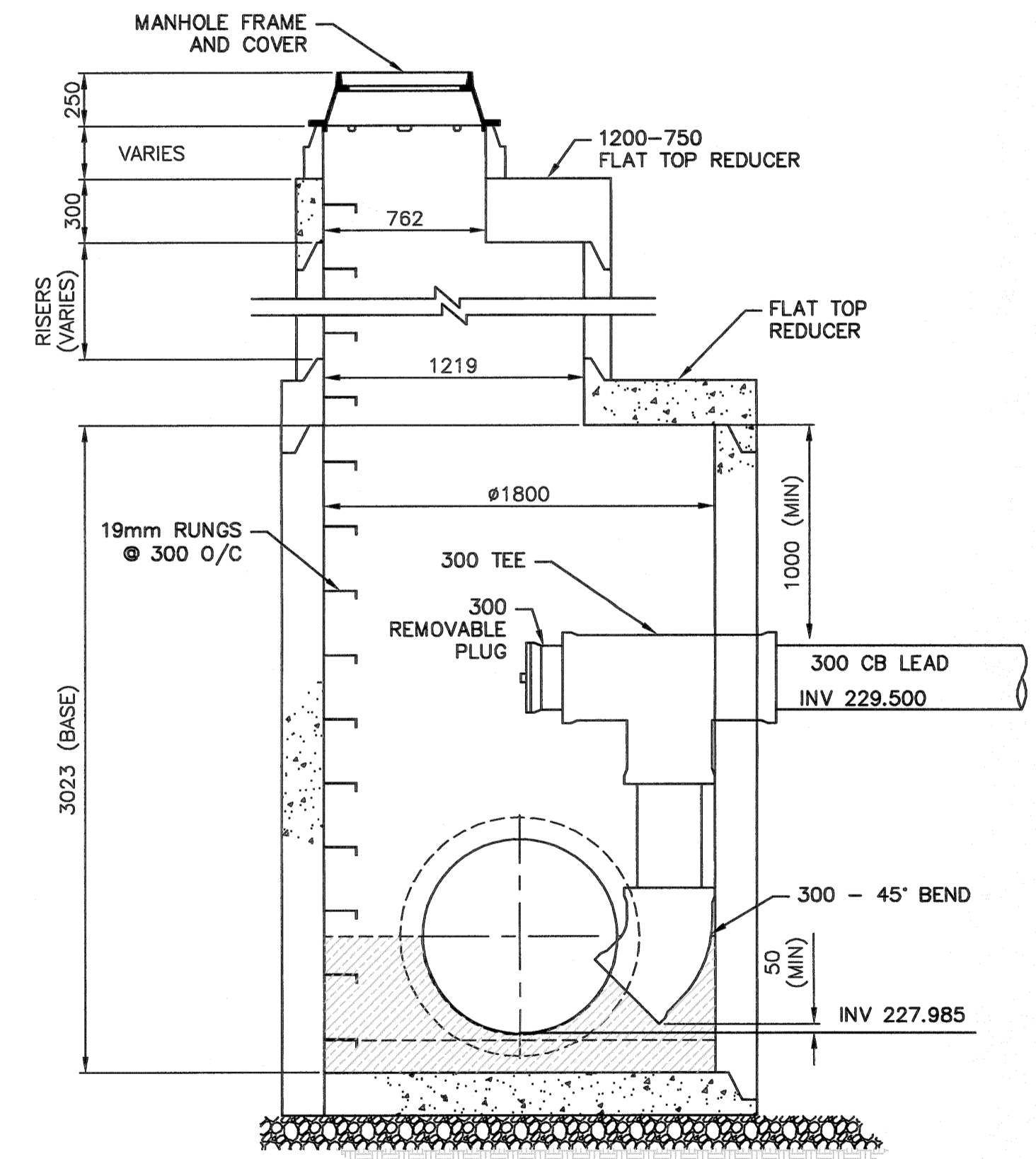
SECTION

NOTE:  
REFER TO PLAN/PROFILE DRAWINGS FOR ACTUAL PIPE SIZE,  
INVERTS AND MANHOLE ORIENTATION

2 TYPICAL  $\phi 1650 - \phi 2400$  MANHOLE DETAILS  
1:25



PLAN



SECTION

3 LARGE DIAMETER DROP MANHOLE DETAILS  
1:25

File Name C:\pwworkdir\ch2mhill\_wbg\jortez\d0445899



LOCATION APPROVED  
UNDERGROUND STRUCTURES

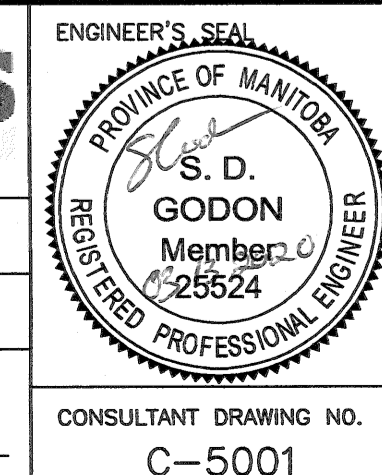
SUPV. U/G STRUCTURES DATE COMMITTEE

NOTE:  
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY	DATE
0	ISSUED FOR TENDER	20/03/12	JBC	

**Jacobs** **KGS** GROUP

DESIGNED BY MD CHECKED BY MD  
DRAWN BY JBC APPROVED BY RSO (KGS Group)  
HOR. SCALE: AS NOTED VERTICAL: -  
RELEASSED FOR CONSTRUCTION: [Signature]  
DATE: 17 Dec 12/12



**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

PROJECT TITLE  
COCKBURN AND CALROSSIE COMBINED  
SEWER RELIEF WORKS - CONTRACT 10A

CIVIL  
STANDARD DETAILS

CONSULTANT DRAWING NO. C-5001

SHEET OF 11 11  
COMPUTER FILE NAME C-5001.dwg  
CITY DRAWING NUMBER LD-9658