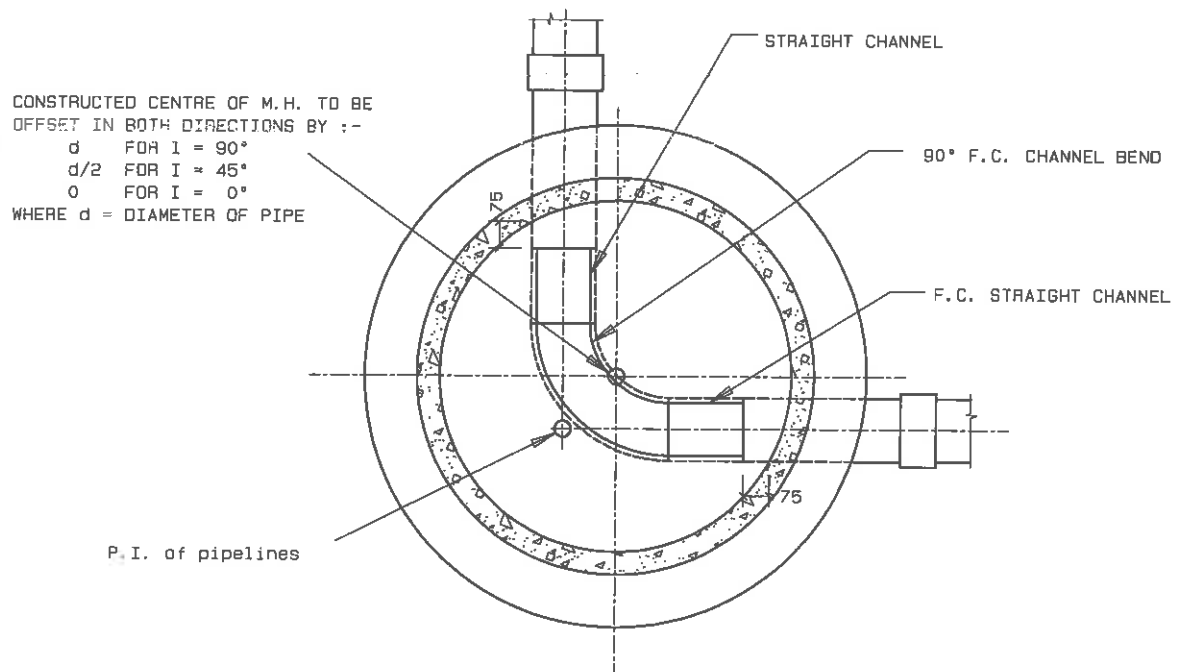


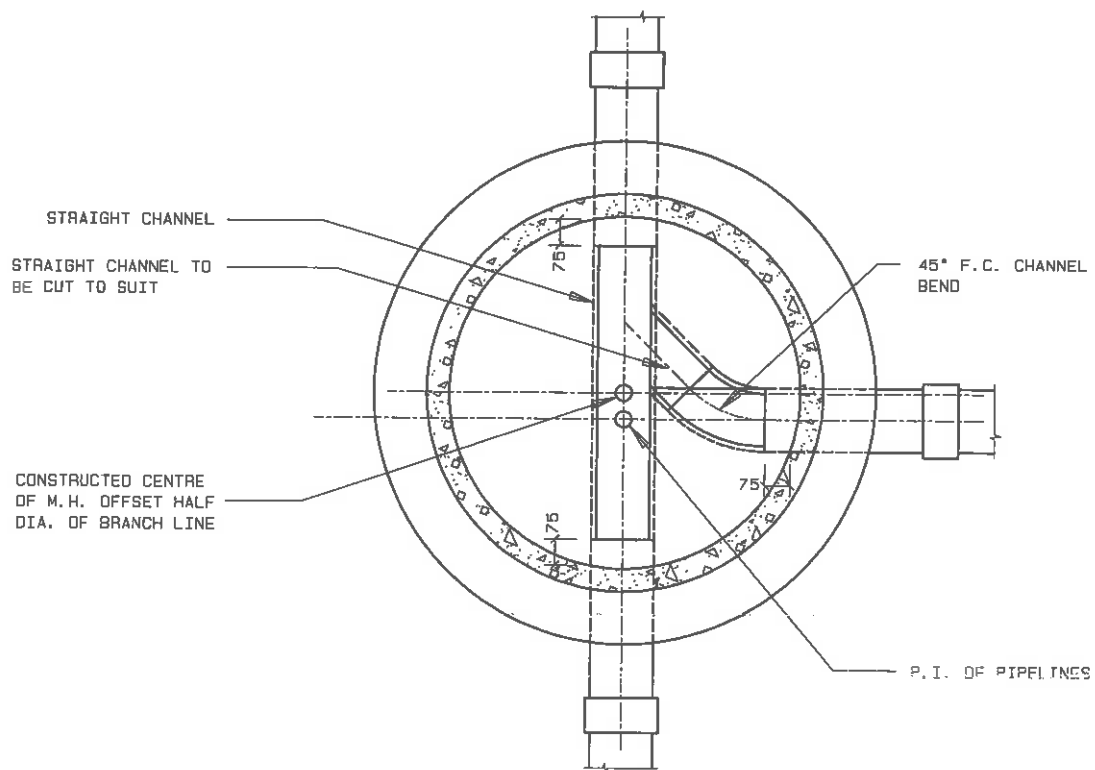
**45° INTERSECTION**



**90° INTERSECTION**

NOT TO SCALE

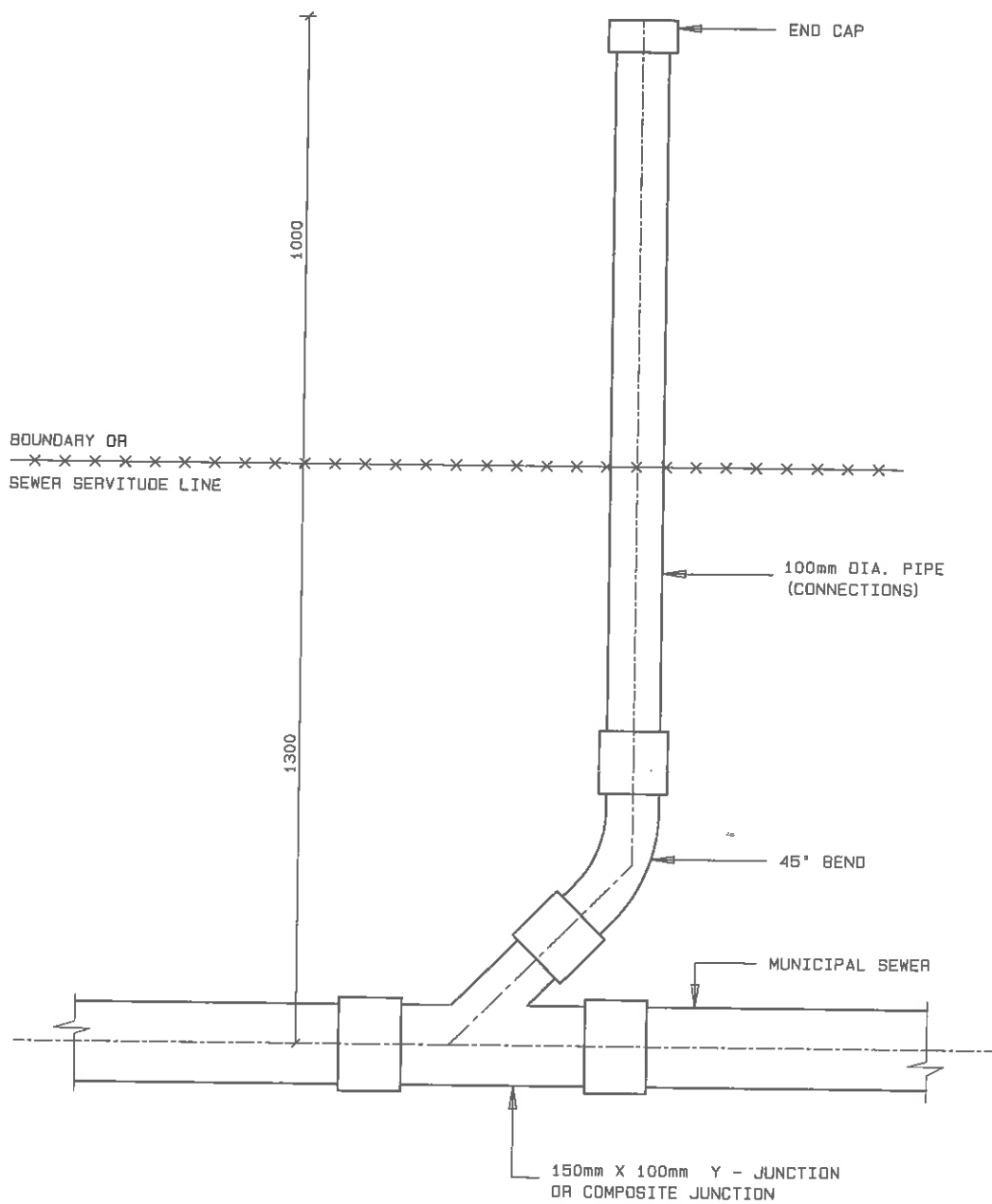
DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY: INFRASTRUCTURE AND ENGINEERING DIRECTORATE	SEWER MANHOLE INTERSECTION DETAILS FOR F.C. PIPES UP TO 300mm DIA.		PSLD 3



SECTIONAL PLAN ON BRANCH MANHOLE

NOT TO SCALE

DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY:	INFRASTRUCTURE AND ENGINEERING DIRECTORATE	SEWER MANHOLE BRANCH MANHOLE FOR F.C. PIPES UP TO 300mm DIA.	PSLO 4

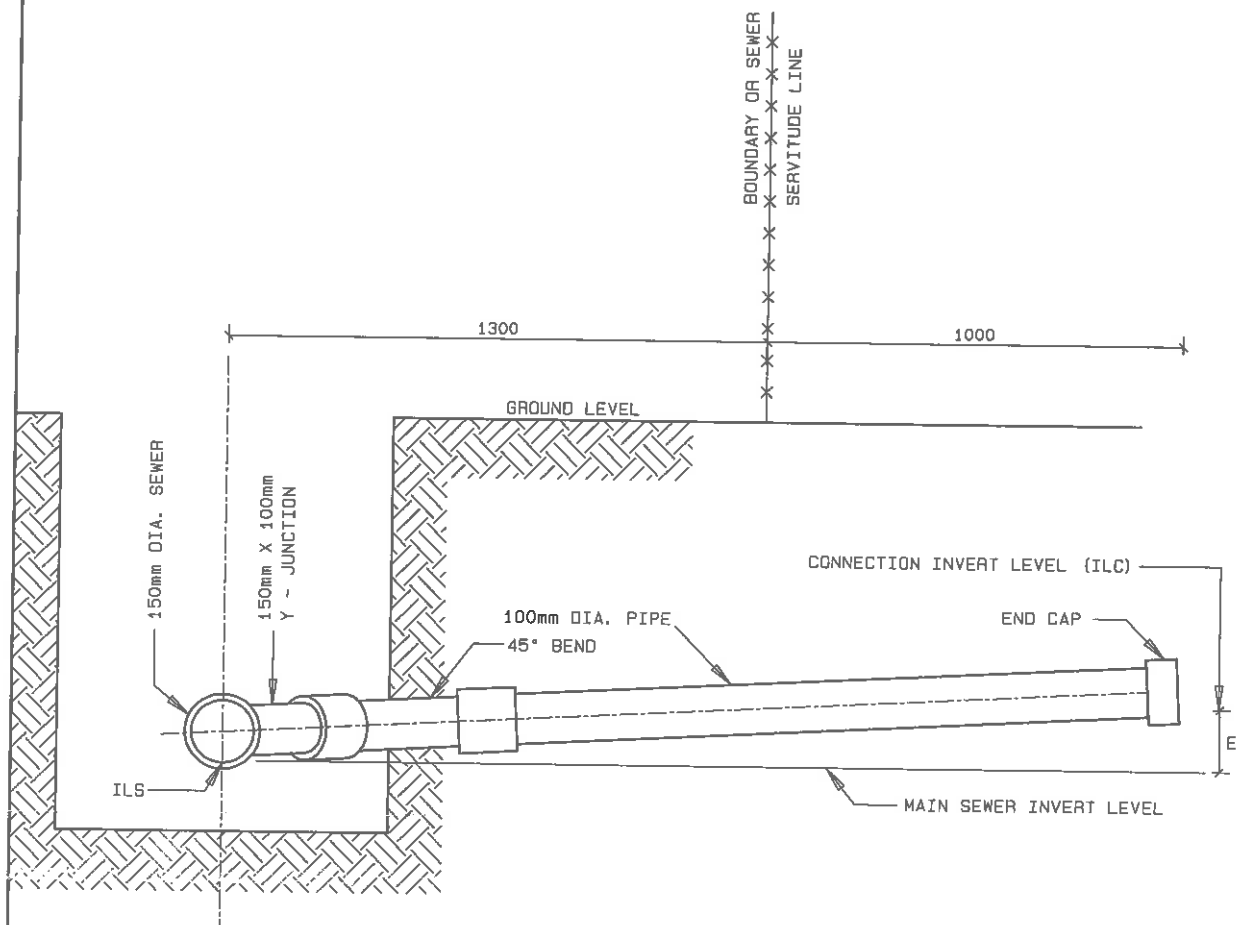


**NOTE:**

Pipe material used for connection  
to be same as sewer.

NOT TO SCALE

DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY: INFRASTRUCTURE AND ENGINEERING DIRECTORATE		ERF CONNECTION OFF 150mm DIA. SEWER MAIN - PLAN VIEW	PSLD 18

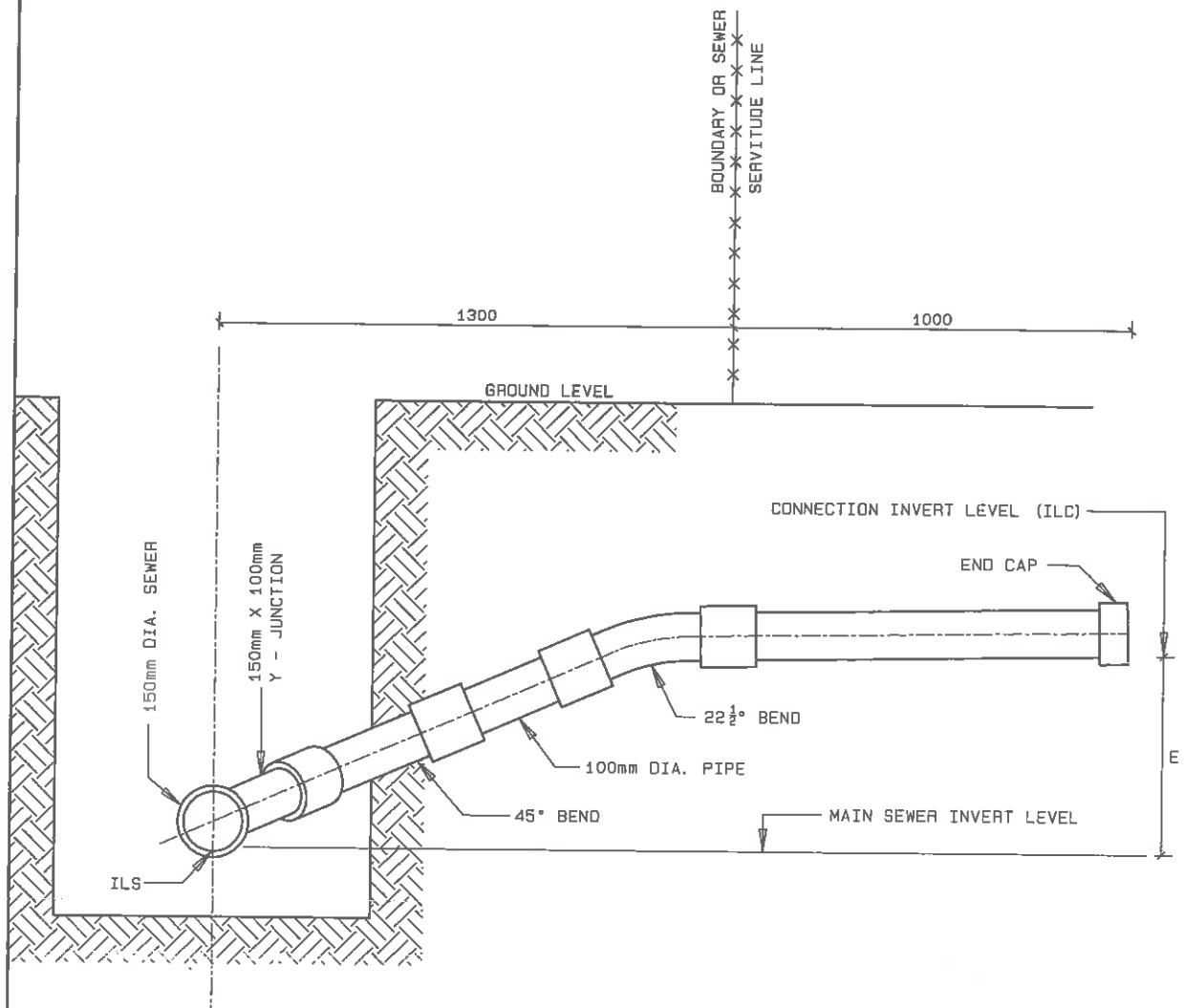


DETAILS FOR "E" VARYING BETWEEN 150mm AND 405mm

NOTES:

1. Dimension "E" = the height difference between Invert Level of Sewer (ILS) at the Y-junction and the Invert Level of the Erf Connection (ILC) at the end of the connection.  
The Contractor to obtain the ILC from the Engineer for each erf connection.
2. Pipe material used for connection to be same as for sewer.

		NOT TO SCALE	
DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY: INFRASTRUCTURE AND ENGINEERING DIRECTORATE		ERF CONNECTION DETAILS - TYPE 1	PSLD 19

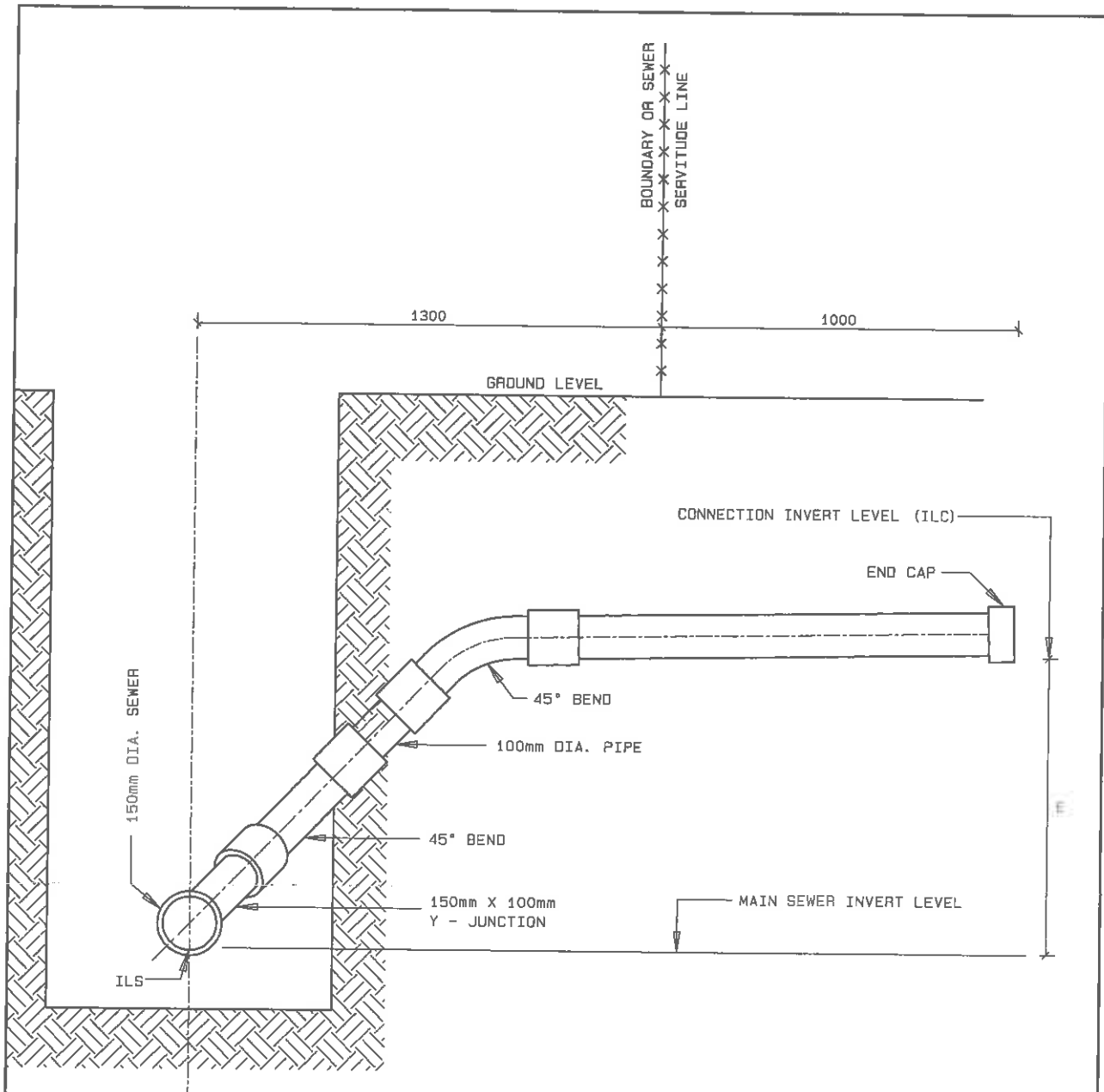


DETAILS FOR "E" VARYING BETWEEN 405mm AND 710mm

NOTES:

1. Dimension "E" = the height difference between Invert Level of Sewer (ILS) at the Y-junction and the Invert Level of the Erf Connection (ILC) at the end of the connection.  
The Contractor to obtain the ILC from the Engineer for each erf connection.
2. Pipe material used for connection to be same as for sewer.

		NOT TO SCALE	
DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY: INFRASTRUCTURE AND ENGINEERING DIRECTORATE		ERF CONNECTION DETAILS - TYPE 2	PSLD 20



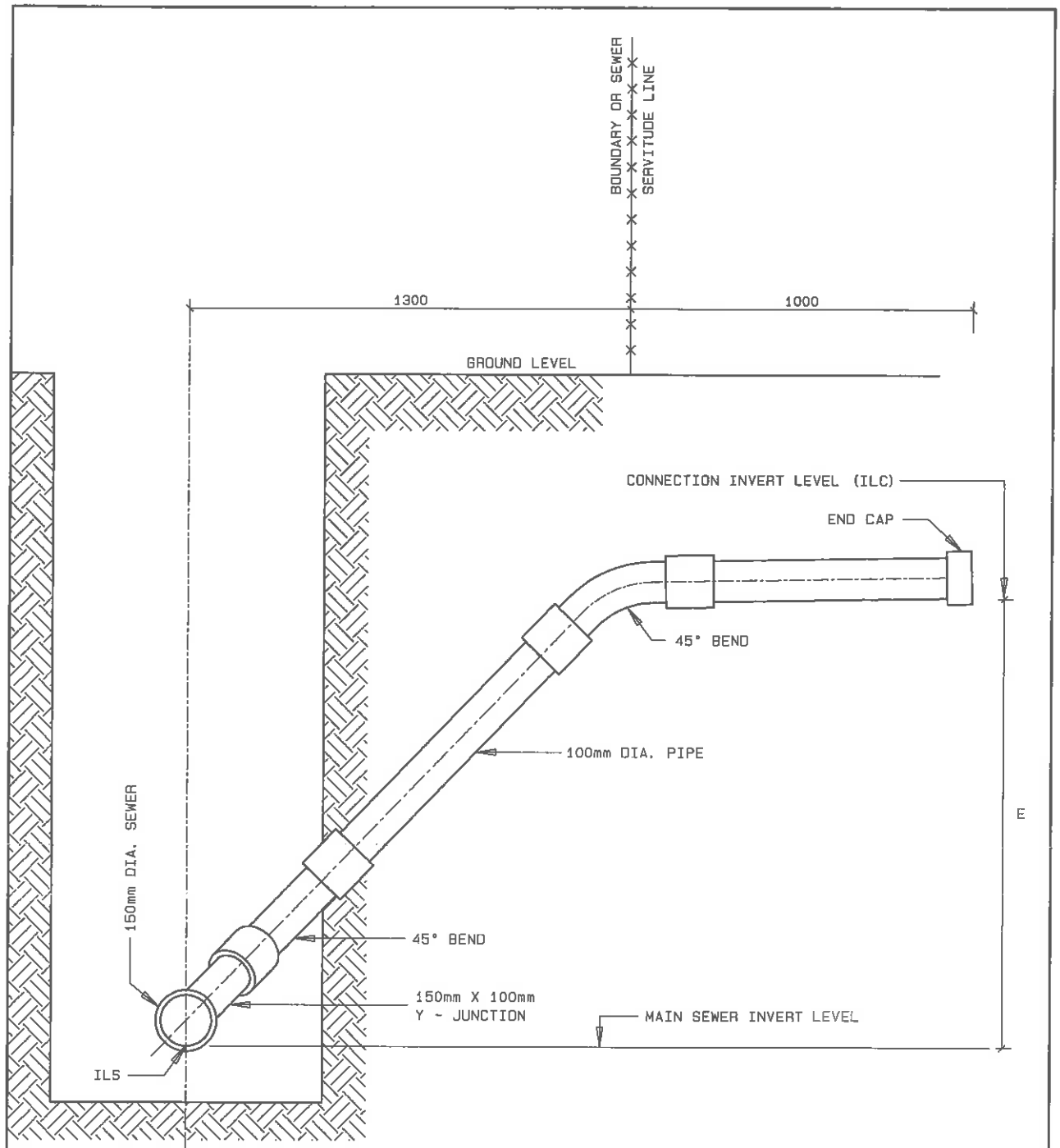
DETAILS FOR "E" VARYING BETWEEN 710mm AND 1015mm

NOTES:

1. Dimension "E" = the height difference between Invert Level of Sewer (ILS) at the Y-junction and the Invert Level of the Erf Connection (ILC) at the end of the connection.  
The Contractor to obtain the ILC from the Engineer for each erf connection.
2. Pipe material used for connection to be same as for sewer.

NOT TO SCALE

DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY:	INFRASTRUCTURE AND ENGINEERING DIRECTORATE	ERF CONNECTION DETAILS - TYPE 3	PSLD 21



**DETAILS FOR "E" VARYING BETWEEN 1015mm AND 1500mm**

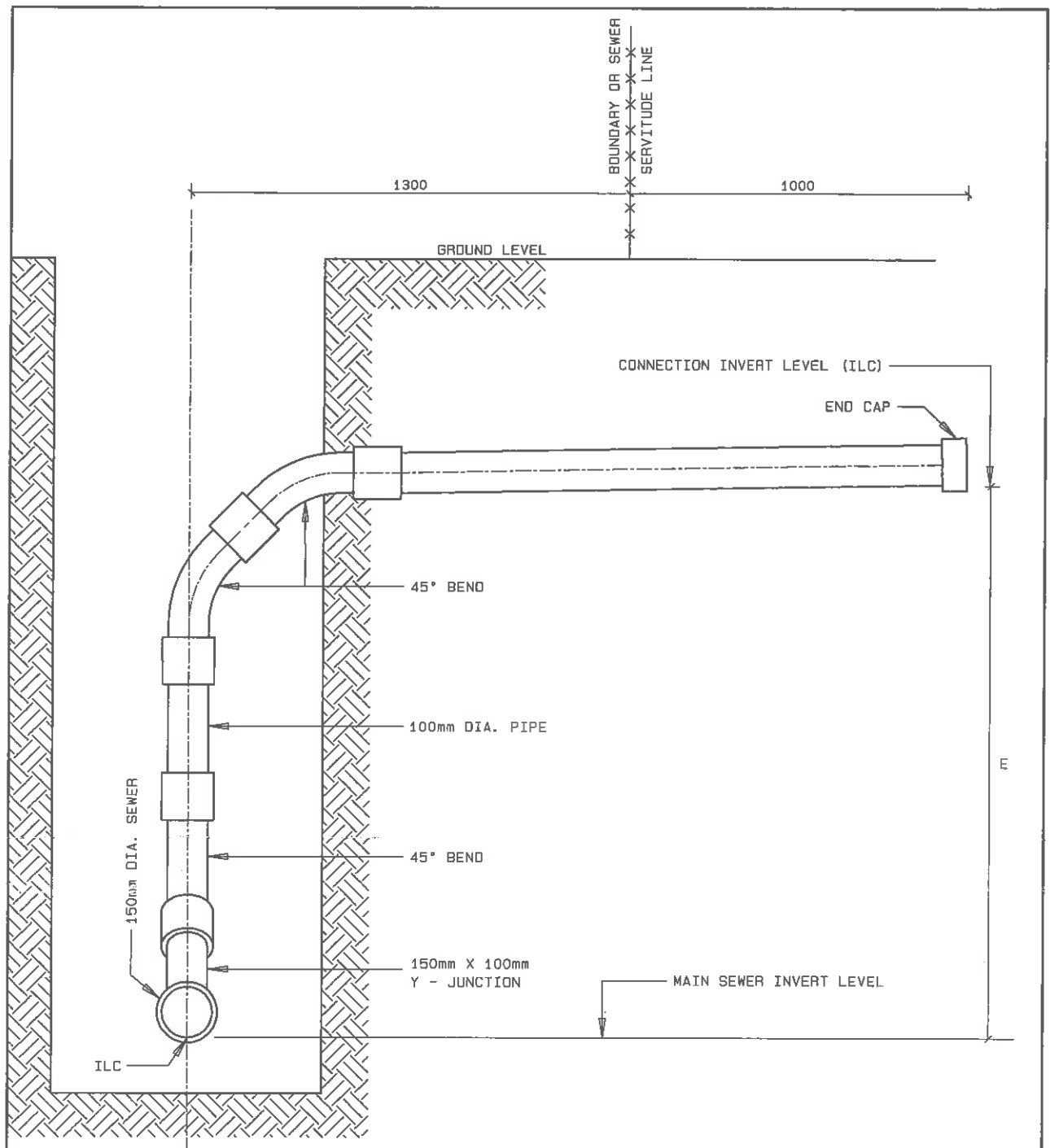
**NOTES:**

1. Dimension "E" = the height difference between Invert Level of Sewer (ILS) at the Y-junction and the Invert Level of the Erf Connection (ILC) at the end of the connection.  
The Contractor to obtain the ILC from the Engineer for each erf connection.
2. Pipe material used for connection to be same as for sewer.

**NOT TO SCALE**

DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY:	INFRASTRUCTURE AND ENGINEERING DIRECTORATE	ERF CONNECTION DETAILS - TYPE 4	PSLD 22





DETAILS FOR "E" VARYING FROM 1500 UPWARDS

NOTES:

1. Dimension "E" = the height difference between Invert Level of Sewer (ILS) at the Y-junction and the Invert Level of the Erf Connection (ILC) at the end of the connection.  
The Contractor to obtain the ILC from the Engineer for each erf connection.
2. Pipe material used for connection to be same as for sewer.

NOT TO SCALE

DATE OF LAST REVISION	JULY 2007	STANDARD DETAILS-	DRAWING No
PREPARED BY:	INFRASTRUCTURE AND ENGINEERING DIRECTORATE	ERF CONNECTION DETAILS - TYPE 5	PSLD 23