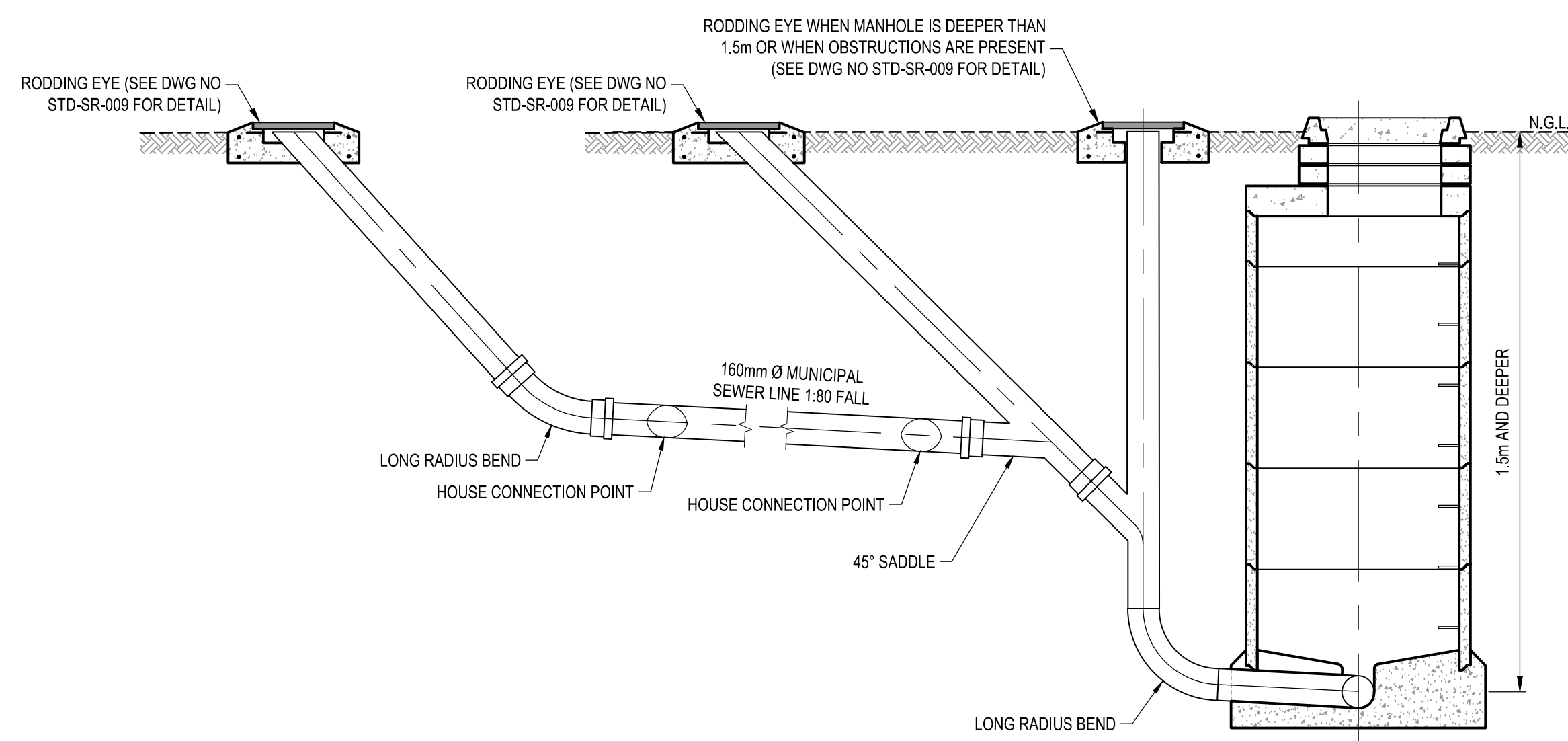
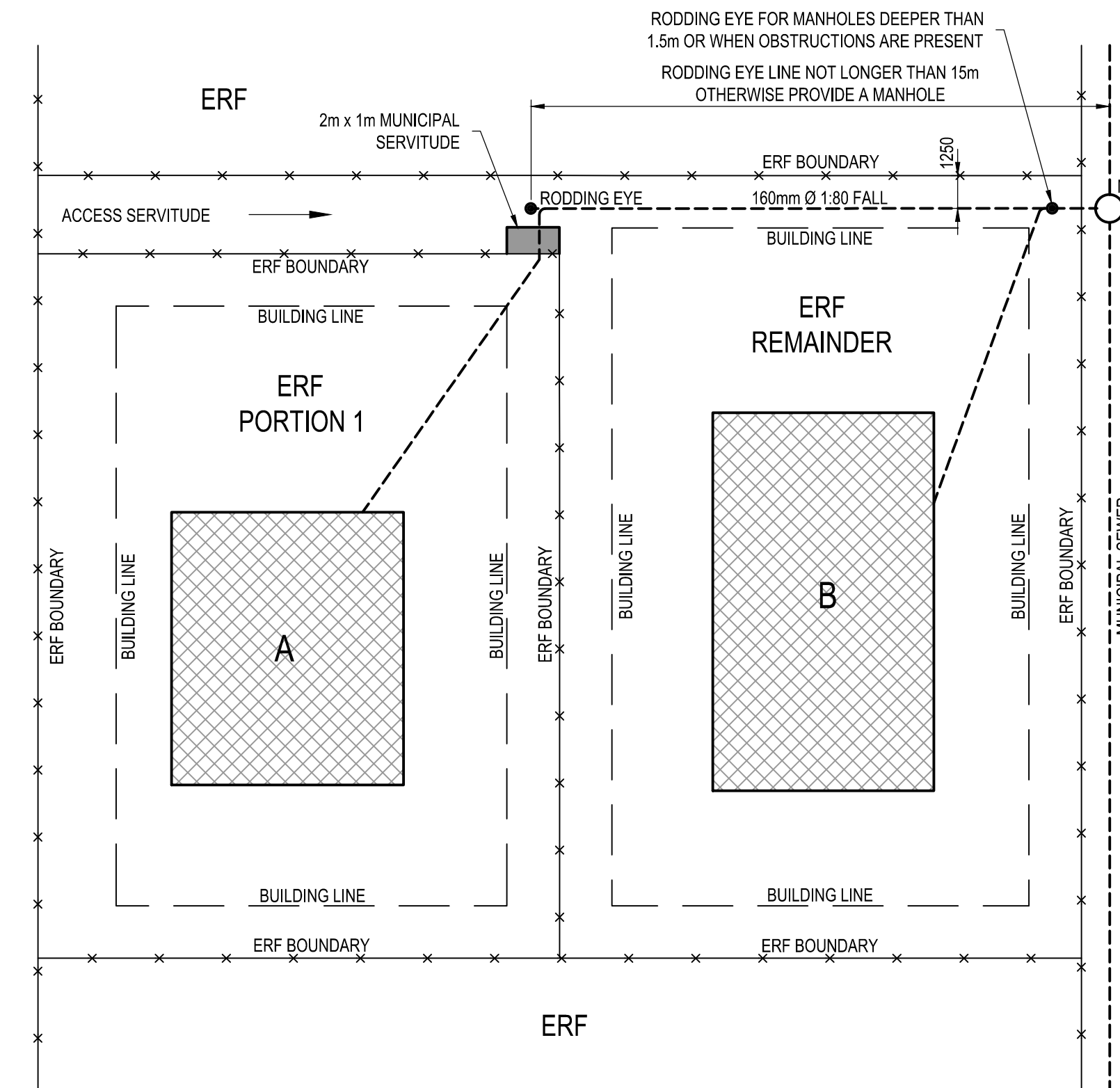


SECTION - MANHOLES BETWEEN 1.2m - 1.5m DEEP
SCALE 1:25



SECTION - MANHOLES DEEPER THAN 1.5m
SCALE 1:25



TYPICAL PLAN LAYOUT
SCALE 1:200

NOTES AND SPECIFICATIONS

GENERAL

1. MINIMUM REQUIREMENTS ARE INDICATED ON THE DRAWING. THE CONSULTANT / DESIGNER IS RESPONSIBLE AND LIABLE FOR FURTHER DETAILS AND TO ENSURE EFFECTIVE OPERATION AND MAINTENANCE OF THE INSTALLATION.
2. THE SIGNATURE OR INITIALS ON THIS DRAWING OF COE OFFICIAL DOES NOT REMOVE ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT / DESIGNER.
3. THE CONSULTANT / DESIGNER REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE WATER AND SANITATION DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH IN THE DESIGN.
4. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SANS STANDARD.
5. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.
6. ALL DIMENSIONS TO BE CHECKED AND APPROVED ON SITE.
7. ALL DIMENSIONS ARE IN mm (UNLESS OTHERWISE SPECIFIED).
8. DO NOT SCALE FROM THESE DRAWINGS.
9. CLASS OF CONCRETE UNLESS OTHERWISE SPECIFIED ON DRAWING DETAILS:
 REINFORCED CLASS 30/19
 THRUST BLOCKS CLASS 20/19
 BLINDING CLASS 15/19
 FLOOR SCREED SAND : CEMENT = 3 : 1
10. PRE-CAST CONCRETE RINGS AND COVER SLABS TO COMPLY WITH SANS 1294.
11. JOINTS BETWEEN CONCRETE RINGS AND BETWEEN COVER SLABS AND BETWEEN RINGS AND FLOORS TO BE SEALED WITH BITUMEN SEALANT (APPROVED BY THE DESIGNER).
12. SEWERS INSTALLED WITHIN ROAD RESERVE BOUNDARIES MUST BE POSITIONED IN ACCORDANCE WITH THE APPLICABLE SERVICES LAYOUT DRAWING.

PARTICULAR:

1. MAXIMUM 3 DWELLING UNITS ON NEW SEWER LINE.
2. POLYMER RESIN RODDING EYE COVER AND FRAME IN ACCORDANCE WITH SANS 50124 (SABS EN124).



City of Ekurhuleni
WATER AND SANITATION DEPARTMENT

AMENDMENTS			
NR	DATE	APPROVED	DESCRIPTION

WATER AND SANITATION	
APPROVED ON BEHALF OF:	
OPERATIONS DIVISION	
NAME:.....	PROF REG No:.....
SIGNATURE:.....	DATE:.....
PROJECTS DIVISION	
NAME:.....	PROF REG No:.....
SIGNATURE:.....	DATE:.....
PLANNING DIVISION	
NAME:.....	PROF REG No:.....
SIGNATURE:.....	DATE:.....

CONSULTANT DETAILS TO BE PLACED HERE	DESIGNED	NAME:.....	CONTRACT No.
		SIGNATURE:.....	PROJECT No.
		DATE:.....	SHEET No.
	DRAWN	NAME:.....	PAPER SIZE
		SIGNATURE:.....	A1
		DATE:.....	SCALE
	APPROVED	NAME:.....	COE DRAWING NUMBER
		PROF REG No:.....	STD-SR-010
		SIGNATURE:.....	
		DATE:.....	
		CONSULTANT DRAWING NUMBER	

PROJECT TITLE	
STANDARD GUIDELINE DRAWINGS	
DRAWING TITLE	
STANDARD DRAWING: SEWER RETICULATION TYPICAL SEWER LAYOUTS FOR SUBDIVISIONS	