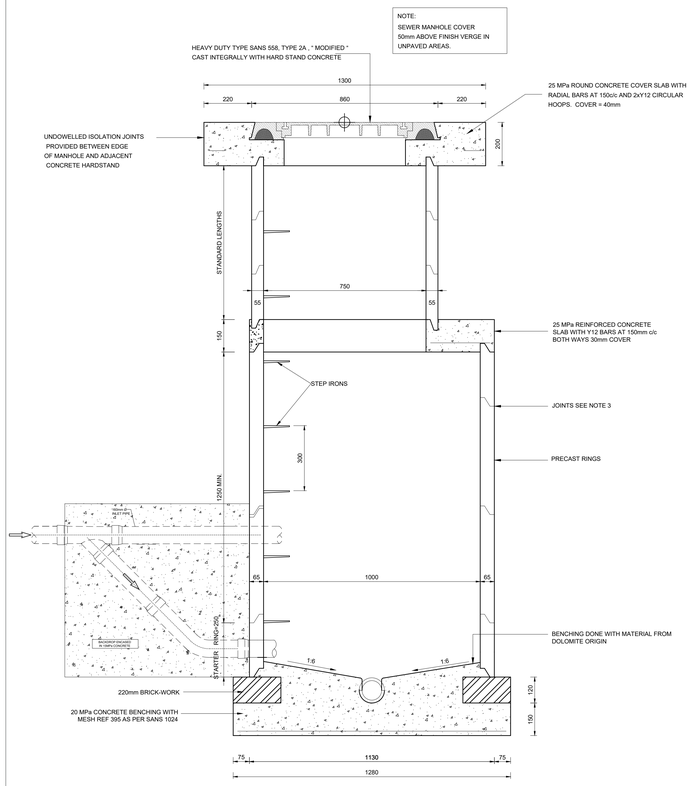
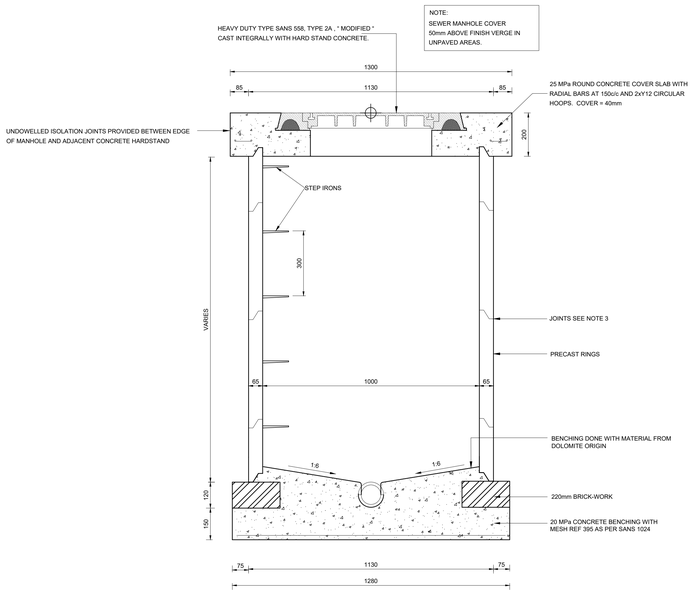


PRECAST SEWER MANHOLE > 1500mm IN DEPTH

SCALE 1 : 20



PRECAST SEWER MANHOLE < 1500mm IN DEPTH

SCALE 1 : 20

NOTES:

1. "CALCAMITE" STEP IRONS PROVIDED IN MANHOLES > 1.0m DEEP

2. STEP IRONS SPACED AT 300mm CRS VERTICALLY AND STAGGERED AT 200mm CRS HORIZONTALLY. STARTING 500mm BELOW COVER LEVEL.

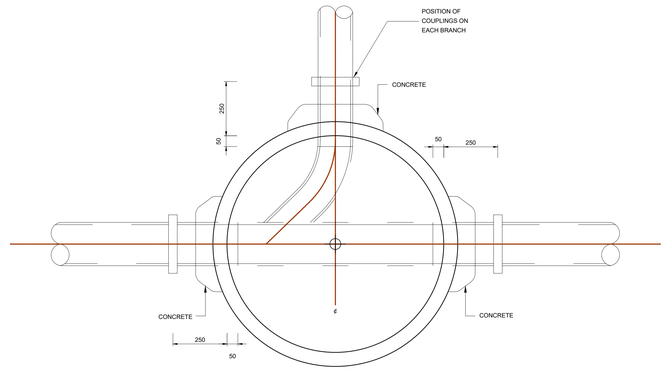
3. BITU-JOINT OR SIMILAR BITUMEN COMPOUND USED AS A JOINT SEALANT BETWEEN MANHOLE RINGS.

4. BENCHING FINISHED WITH MIN. 20mm THICK 1 : 3 CEMENT MORTAR

5. COUPLINGS PROVIDED IMMEDIATELY OUTSIDE MANHOLE ON EACH BRANCH AND OUTLET.

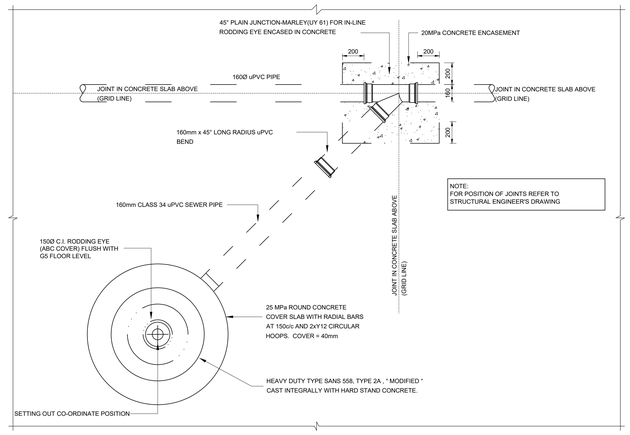
6. ALL SEWER MANHOLES DONE BY A REGISTERED PLUMBER IN ACCORDANCE WITH THE CODE

7. ALL SEWER MANHOLES TESTED FOR WATER TIGHTNESS AND RECORDED FOR AS BUILT INFORMATION



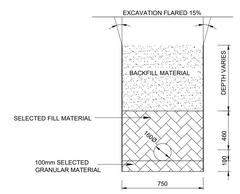
TYPICAL PLAN OF SEWER MANHOLE

SCALE 1 : 20



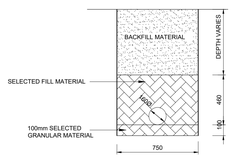
PLAN

SCALE 1 : 20



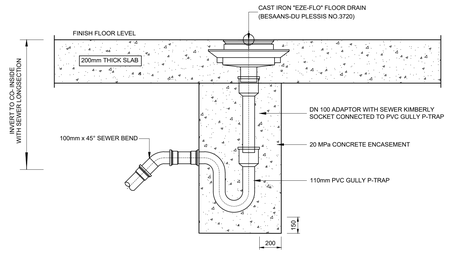
TRENCH EXCAVATION FOR DEPTH EXCEEDING 1.5m

SCALE 1:20



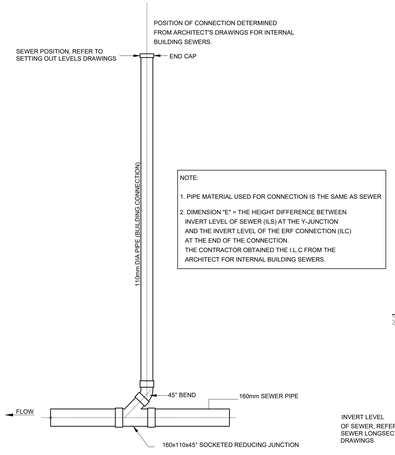
TRENCH EXCAVATION FOR DEPTH UP TO 1.5m

SCALE 1:20



TYPICAL FLOOR DRAIN DETAIL

SCALE 1 : 20



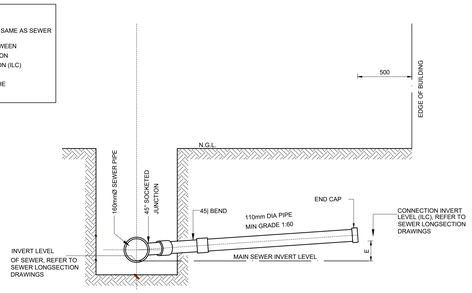
PLAN VIEW

SCALE 1:20

NOTE:

1. PIPE MATERIAL USED FOR CONNECTION IS THE SAME AS SEWER

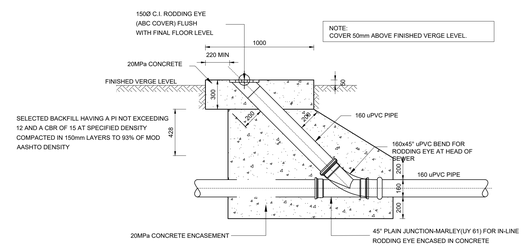
2. DIMENSION "E" = THE HEIGHT DIFFERENCE BETWEEN INVERT LEVEL OF SEWER (ILS) AT THE Y-JUNCTION AND THE INVERT LEVEL OF THE ERF CONNECTION (ILC) AT THE END OF THE CONNECTION. THE CONTRACTOR OBTAINED THE I.L.C FROM THE ARCHITECT FOR INTERNAL BUILDING SEWERS.



ELEVATION

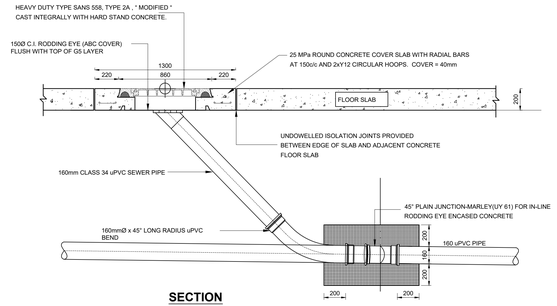
SCALE 1:20

BUILDING CONNECTION DETAILS



TYPICAL SECTION THROUGH RODDING EYE ON 160mm SEWER MAIN (ELSEWHERE)

SCALE 1 : 20



SECTION

TYPICAL RODDING EYE ON 160mm SEWER MAIN UNDER BUILDINGS

SCALE 1 : 20

general notes

The contractor is to keep a full set of drawings on site, contractor is responsible for the correct setting out of the building on site with reference to boundaries and building lines, contractor to verify all levels and dimensions on site and check same against architects and engineers drawings before commencing work. Figured dimensions to be used in preference to scaled dimensions, large scale details to be used were available, errors, discrepancies or omissions are to be reported to the architect immediately for clarification before work is undertaken.

These drawings are to be read in conjunction with structural engineers, civil engineers, mechanical engineer's or plumbing consultant's drawings were specified.

All work and material used to comply with SABS standards and NATIONAL BUILDING REGULATIONS ACT 103 of 1977 and amendments thereto as well as the by-laws of the relevant local authority.

All new construction HEALTH AND SAFETY Regulations to be strictly complied with.

revisions

No.	Date	Amendment	DPW

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SERVICE

DIAMER TRUCKS SOUTH AFRICA
ZONE - 1A PROPOSAL

WCS NUMBER:

DRAWING TITLE

GENERAL SEWER DETAILS

REF NO.	34931	DESIGNED	M. McALLISTER
SCALE	AS SHOWN	DRAWN	M. McALLISTER
DATE	2024/10	CHECKED	W. DE LANGE/M.STEYN

DPW DRAWING NUMBER

34931-DET-003