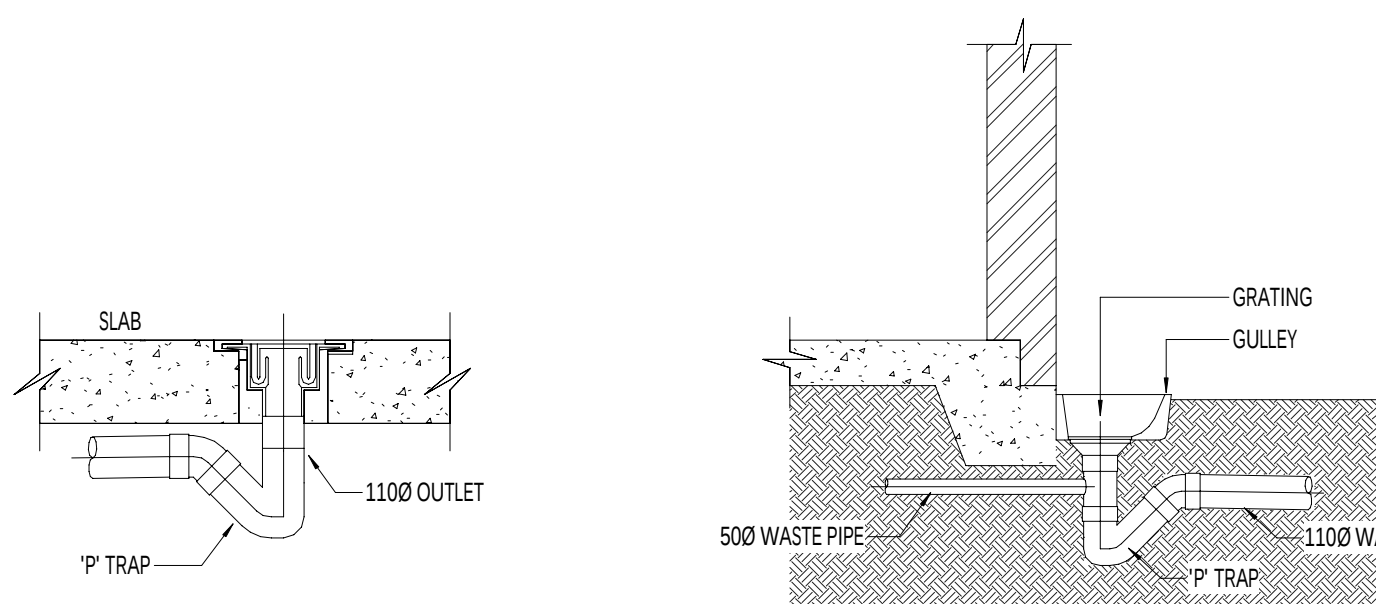




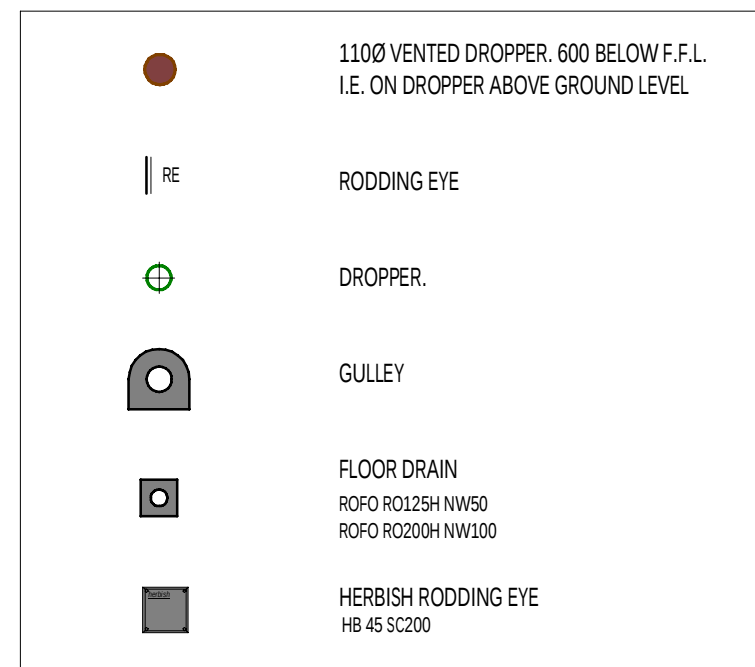
TYPICAL FLOOR DRAIN DETAIL

SCALE 1:20

TYPICAL GULLEY DETAIL

SCALE 1:25

DRAINAGE LEGEND:



SOIL DRAINAGE 1100mm PVC CL34 BELOW SLAB @ 1:60 FALL
I.E. ON DROPPER ABOVE GROUND LEVEL

SOIL DRAINAGE 1100mm PVC CL34 ABOVE SLAB @ 1:60 FALL

WASTE WATER DRAINAGE 500mm PVC CL34 BELOW SLAB @ 1:60 FALL

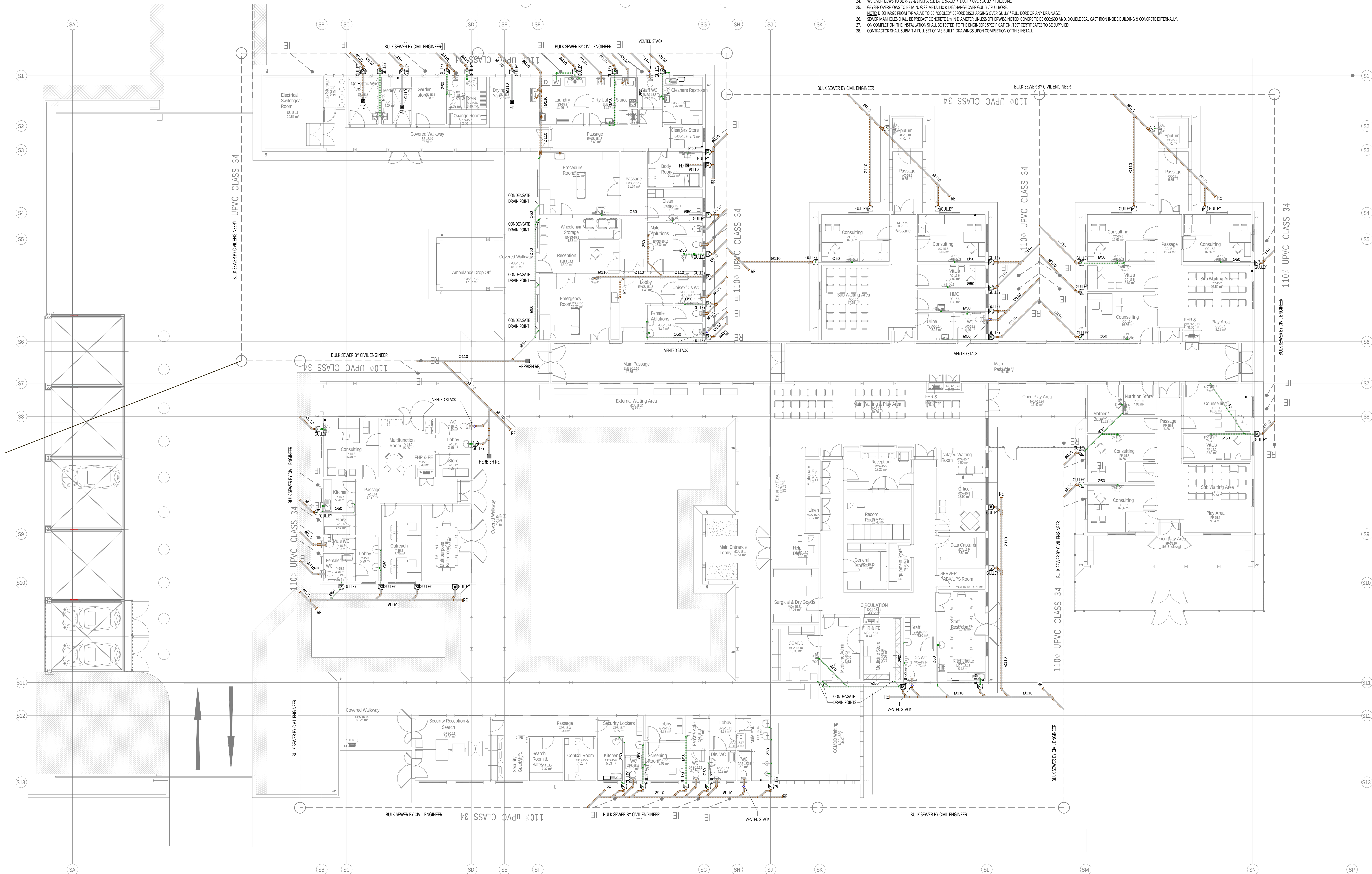
WASTE WATER DRAINAGE 850mm PVC CL34 ABOVE SLAB @ 1:60 FALL

1100mm HIGH LEVEL VENT PIPE

FIXTURE	CONNECTION SIZE	FIXTURE	CONNECTION SIZE
WATER CLOSET	1100	WASH HAND BASIN	500
SLOP HOPPER	1100	SINK / SCRUB	500
FLOOR DRAIN	1100 / 500	SHOWER	500

DRAINAGE NOTES:

- ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS, NATIONAL BUILDING REGULATIONS AND S.A.B.S. STANDARDS.
- THIS DRAWING MAY NOT BE SCALED. ONLY FIGURED DIMENSIONS AND LEVELS MAY BE USED.
- ALL RELEVANT DETAILS, LEVELS, DIMENSIONS, ETC. MUST BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORK.
- ADEQUATE ACCESS TO BE PROVIDED FOR INSPECTION, TESTING AND MAINTENANCE.
- LARGE RADIUS BENDS AT THE BASE OF STACK OR HORIZONTAL / VERTICAL CHANGE OF DIRECTION TO BE 2x45 deg. BENDS OR 1x45 deg. JUNCTION & 1x45 deg. BEND.
- DEEP SEAL TRAPS TO BE USED THROUGHOUT.
- MINIMUM FALL FOR (2) L/D DRAINING 1:60 FALL FOR (2) 100 1:100 FALL.
- VENT PIPE TO RISE THROUGHOUT THEIR LENGTH. ALL VENT PIPES TO DISCHARGE TO ATMOSPHERE.
- RODDING EYE OR MANHOLES AT CHANGES OF DIRECTION.
- ACCESS TO DRAIN EVERY 2m.
- ALL WASTE PIPES LONGER THAN 6m TO INCREASE ONE NOMINAL PIPE SIZE TO A MAXIMUM OF 10m TO OMIT PIPES AS PER N.B.R.P.P. 18.4.
- NO DRY VENT TO BE INSTALLED.
- ALL UNVENTED SOIL PIPES WITH A VERTICAL DROP OF MORE THAN 2m WILL BE VENTED.
- ACCESS SHALL BE PROVIDED AT ALL PLUMBING DUCTS.
- ALL ACCESS TO UNDERGROUND DISCHARGE PIPES WILL BE PROVIDED IN INSPECTION CHAMBERS POSITIONED IN SERVICE OR OPEN PARKING AREAS, OR IN PLUMBING DUCTS WITH DROPPED FLOOR LEVELS TO FULLY EXPOSE THE PIPES. IE FLOOR DROPPED SO THE PIPES ARE ABOVE GROUND.
- UNDERGROUND DISCHARGE PIPES TO BE SUPPORTED THROUGH THEIR LENGTH WITH NO STRUCTURAL LOAD TRANSMITTED UPON THEM.
- THE DEFINITION AS SABS 1:0400:1990 IS THAT A DRAIN IS OUTSIDE THE BUILDING. DISCHARGE PIPES ARE NOT INCLUDED IN THIS DEFINITION.
- DISCHARGE PIPES ARE ONLY INSTALLED INSIDE THE BUILDING. ACCESS FOR CLEANING, ETC. AND CHANGE OF DIRECTION TO THESE DISCHARGE PIPES ARE COVERED BY NOTES ABOVE.
- THE DRAINAGE DESIGN IS IN ACCORDANCE WITH SABS 1:0400:1990 APPROVED COMMENTARY PRESENT AS PER REGULATION P2.
- A DISCONNECTION GULLY TO BE PROVIDED AT POINT OF CONNECTION TO MUNICIPAL SEWER. SABS 0400:1990.
- ALL DRAINAGE PIPING TO BE PVC UNDERGROUND SABS 70/360 5N ABOVE GROUND (WHITES) SANS 967 OR HDPE.
- PIPE WHICH HAD LESS THAN 400 COVERS TO BE ENCASED IN CONCRETE 200mm ALL ROUND.
- A SLEEVE TO BE USED (ONE SIZE LARGER THAN DRAINAGE SIZE) FOR VERTICAL / HORIZONTAL DRAINAGE GOING THROUGH SLABS / UPSTANDS / DOWNSTANDS AND WALLS TO ALLOW FOR MOVEMENT.
- BEHIND OF U/G DRAINAGE TO BE CLASS 1 WITH COMPACTION DONE IN LAYERS OF 300mm. CERTIFICATE OF COMPACTION REQUIRED.
- CONDENSATE DRAIN PIPES TO BE INSULATED WITH THERMAWOL.
- WC OVERFLOWS TO BE Ø22 & DISCHARGE EXTERNALLY / DUCT OVER GULLY / FULLBORE.
- GREYER OVERFLOWS TO BE MIN. Ø22 METALLIC & DISCHARGE OVER GULLY / FULLBORE.
- NOTE: DISCHARGE FROM TIP VALVE TO BE 100mm BEFORE DISCHARGING OVER GULLY / FULL BORE OR ANY DRAINAGE.
- SEWER MANHOLES SHALL BE PRECAST CONCRETE 300mm IN DIAMETER UNLESS OTHERWISE NOTED. COVERS TO BE 600x600 M/D. DOUBLE CAST IRON INSIDE BUILDING & CONCRETE EXTERNALLY.
- ON COMPLETION, THE INSTALLATION SHALL BE TESTED TO THE ENGINEERS SPECIFICATION. TEST CERTIFICATES TO BE SUPPLIED.
- CONTRACTOR SHALL SUBMIT A FULL SET OF AS-BUILT DRAWINGS UPON COMPLETION OF THIS INSTALL.



GROUND FLOOR SOIL & WASTE DRAINAGE PLAN

1:100

HIAC NOTES:

REV	DATE	BY	DESCRIPTION
F	2024-08-14	S.M.	ISSUED FOR TENDER
E	2024-07-08	S.M.	HIAC STAGE 4
D	2024-05-24	S.M.	REVISED TO LATEST ARCHITECTURAL LAYOUT
C	2024-04-18	S.M.	REVISED HIAC SUBMISSION
B	2024-03-20	S.M.	REVISED HIAC SUBMISSION
A	2023-11-16	S.M.	HIAC SUBMISSION

If drawing status = construction, a signed copy of this drawing (either in hardcopy or electronic format) is available at the office of origin and at the office of issue.

DRAWING STATUS:

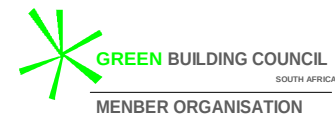
TENDER



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MEMBER ORGANISATION

CLIENT:

DEPARTMENT OF HEALTH

ARCHITECT:

INCLINE ARCHITECTS

PROJECT:

THULASIZWE CLINIC

TITLE:

GROUND FLOOR SOIL & WASTE DRAINAGE PLAN

SCALE @ A0:	CHECKED:	APPROVED:
As indicated	R.G.	N.K.
DESIGN:	DRAWN:	DATE:
S.M.	S.M.	2024-08-14
PROJECT NO:	DRAWING NO:	Rev:
D0741	D0741-W-SW-01	F

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PLOT DATE: 2024/08/14 09:31:21