

- DIMENSIONS AND CONDITIONS MUST BE CHECKED ON SITE AND ANY DISCREPANCIES REFERRED TO ENGINEER. ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED.
- DEPTH OF FOUNDATION TO BE DETERMINED ON SITE. FOUNDATION TO BE CARRIED DOWN TO HARD BASE TO APPROVAL OF ENGINEER AND ALL UNSUITABLE SOILS TO BE EXCAVATED AND THE OPENINGS FILLED WITH HARD CORE.
- ALL WALLS TO BE REINFORCED WITH HEAVY DUTY GAUGE HOOP IRON AT EVERY ALTERNATIVE COURSE AND JOINTED IN 1:3 CEMENT SAND MORTAR.
- ALL TIMBER WORK TO HAVE UNDERCOAT AND PAINTED WITH 3 COATS APPROVED GLOSS PAINT.
- HANDWASH FACILITY TO HAVE A MINIMUM OF 100 LITRES CAPACITY PVC STORAGE TANK WITH STAND. TAP MUST BE HEAVY DUTY

- REINFORCEMENT**
- CONCRETE CLASSES TO BE AS FOLLOWS:
 - MASS CONCRETE FILL AND BLINDING MIX, CLASS 18
 - REINFORCED CONCRETE, CLASS 25/20
 - MINIMUM COVER TO ALL REINFORCEMENT TO BE 40mm UNLESS AS SPECIFIED BELOW FOR BUILDINGS:
 - MEMBERS OF BUILDINGS:
 - SLABS - 20 mm
 - BEAMS - 25 mm
 - COLUMNS - 40 mm
 - FOUNDATIONS & FOOTINGS - 50 mm
 - THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SPACER BLOCKS, CHAIRS AND TYING WIRE
 - EXAMPLE: 16 T12 - 07 - 150 SIGNIFIES 16 No. HIGH TENSILE 12mm DIA. BARS IDENTIFICATION MARK 07 AT 150mm CENTRE TO CENTRE SPACING

- FINISHES SCHEDULE**
- INTERNAL FINISHES**
- FLOOR - 300x300 CERAMIC TILES/15mm FLOOR SCREED PAINTED WITH 1 UNDERCOAT AND 2 COATS OF APPROVED RED OXIDE FLOOR PAINT
 - SKIRTINGS - CERAMIC TILES (1500mm HIGH)/150mm HIGH SCREED PAINTED WITH 1 UNDERCOAT AND 2 COATS OF APPROVED RED OXIDE FLOOR PAINT
 - WALLS - INTERNALLY PLASTERED WITH 12.5mm THICK CEMENT PLASTER AND PAINTED WITH THREE COATS OF PAINT.

- EXTERNAL FINISHES**
- NATURAL STONE WITH HORIZONTAL JOINTS RAKED AND KEYS.

- ABBREVIATIONS**
- E.G.L - EXISTING GROUND LEVEL
 - F.G.L - FINISHED GROUND LEVEL

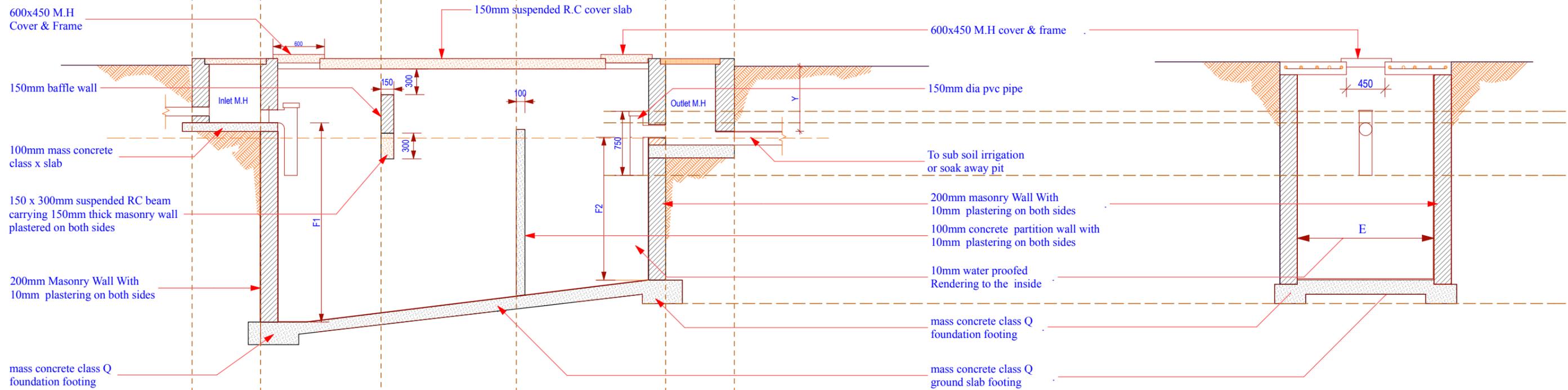
PROJECT TITLE:
UPSALING BASIC SANITATION FOR URBAN POOR (UBSP)

DRAWING TITLE:
POUR FLUSH TOILET SITTING TYPE

Designed and drawn by: UBSP technical team

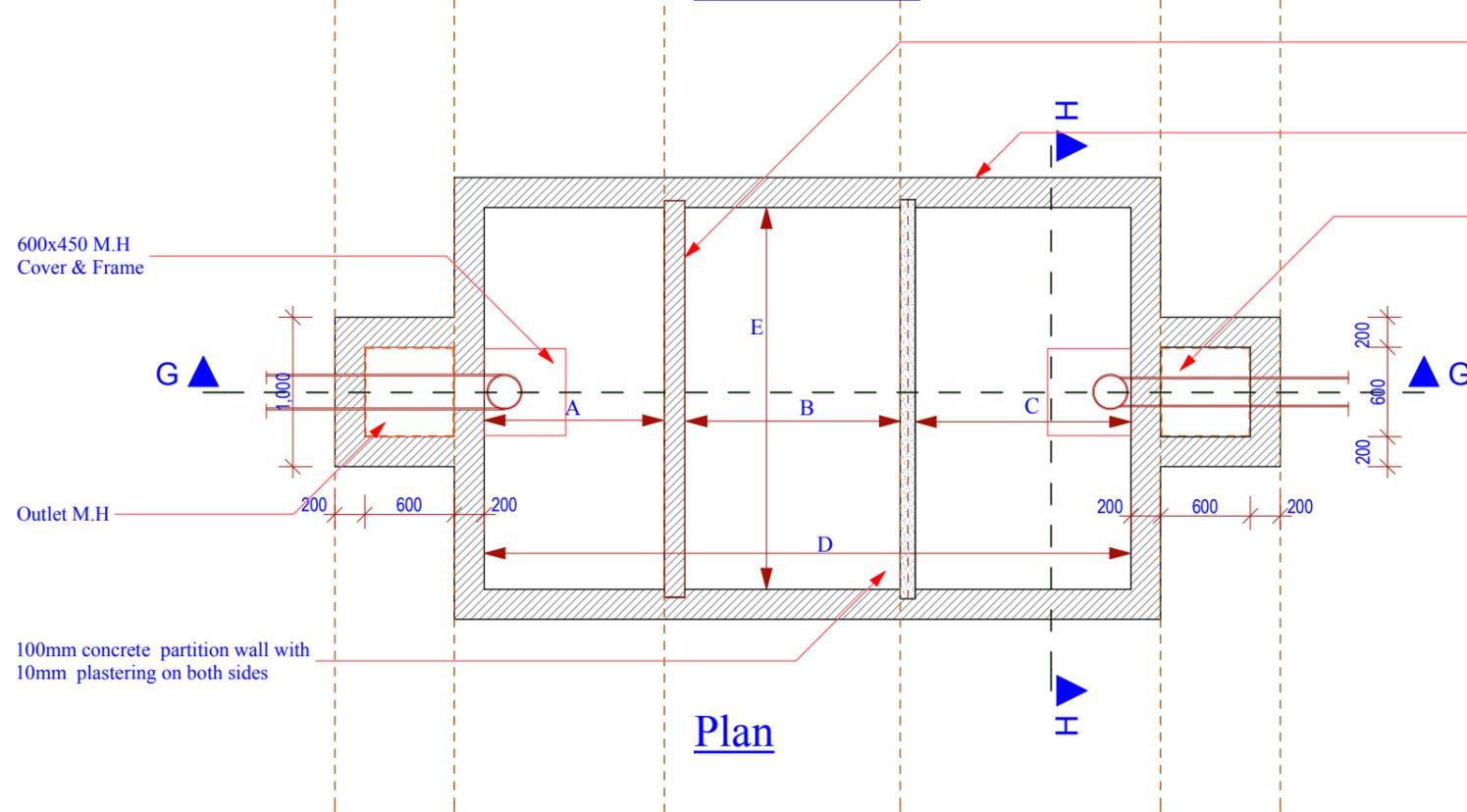
Checked by: Programme Manager Urban Investments

Approved by: CEO WSTF



Section G-G

Section H-H



Plan

150 x 300mm suspended RC beam carrying 150mm thick masonry wall plastered on both sides
 200mm Masonry Wall With 10mm plastering on both sides
 Outlet M.H.

Capacity in Litres	No Of Persons	Desludging Intervals (Yrs)	Dimensions In mm						
			A	B	C	D	E	F1	F2
3,000	10	3	800	1,000	1,000	3,000	1,400	1,500	1,200
6,000	20	3	800	1,400	1,200	3,600	1,400	1,500	1,300
9,000	30	3	800	1,400	1,200	3,600	1,800	1,500	1,300
12,000	40	3	800	1,600	1,400	4,000	2,000	1,500	1,400
15,000	50	3	800	1,600	1,400	4,000	2,400	1,500	1,400

Project Title:
 Up-scaling Basic Sanitation for Urban Poor (UBSUP)

Drawing Title:
 Septic Tank Details Drawings

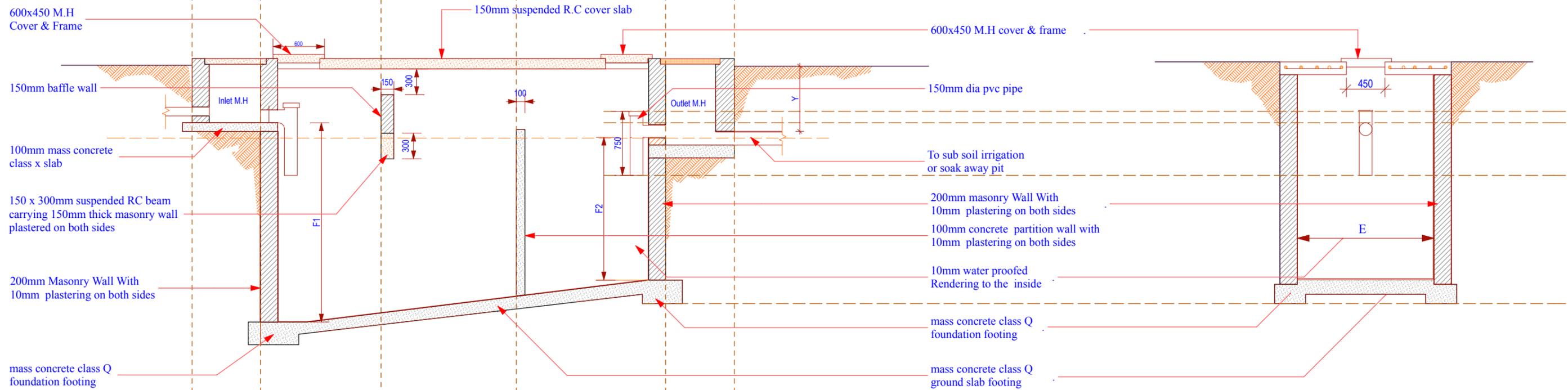
Drawn by:
 Edward Kung'u
Approved by:

Notes:
GENERAL
 Cover slab to be reinforced with 10mm diameter bars @ 10cm c/c (conc. 20/20 mix 1:2:4).
 Base slab to be concrete class Q mix 1:3:6.
 Outlet and inlet pipes to be 100mm diameter cast iron.
 Scum baffle to be 100mm diameter thick reinforced with 2no. 10mm at both ends (conc 20/20 mix 1:2:4)

Dividing wall to be 100mm thick concrete class 20/20 reinforced with weld mesh no. 65
 'GL' denotes unfinished ground level.
 All dimensions are shown in mm unless otherwise specified.
 Drawings are not to be scaled. Only figured dimensions to be used.
 The Contractor must check and verify all dimensions on site before commencement of any work.

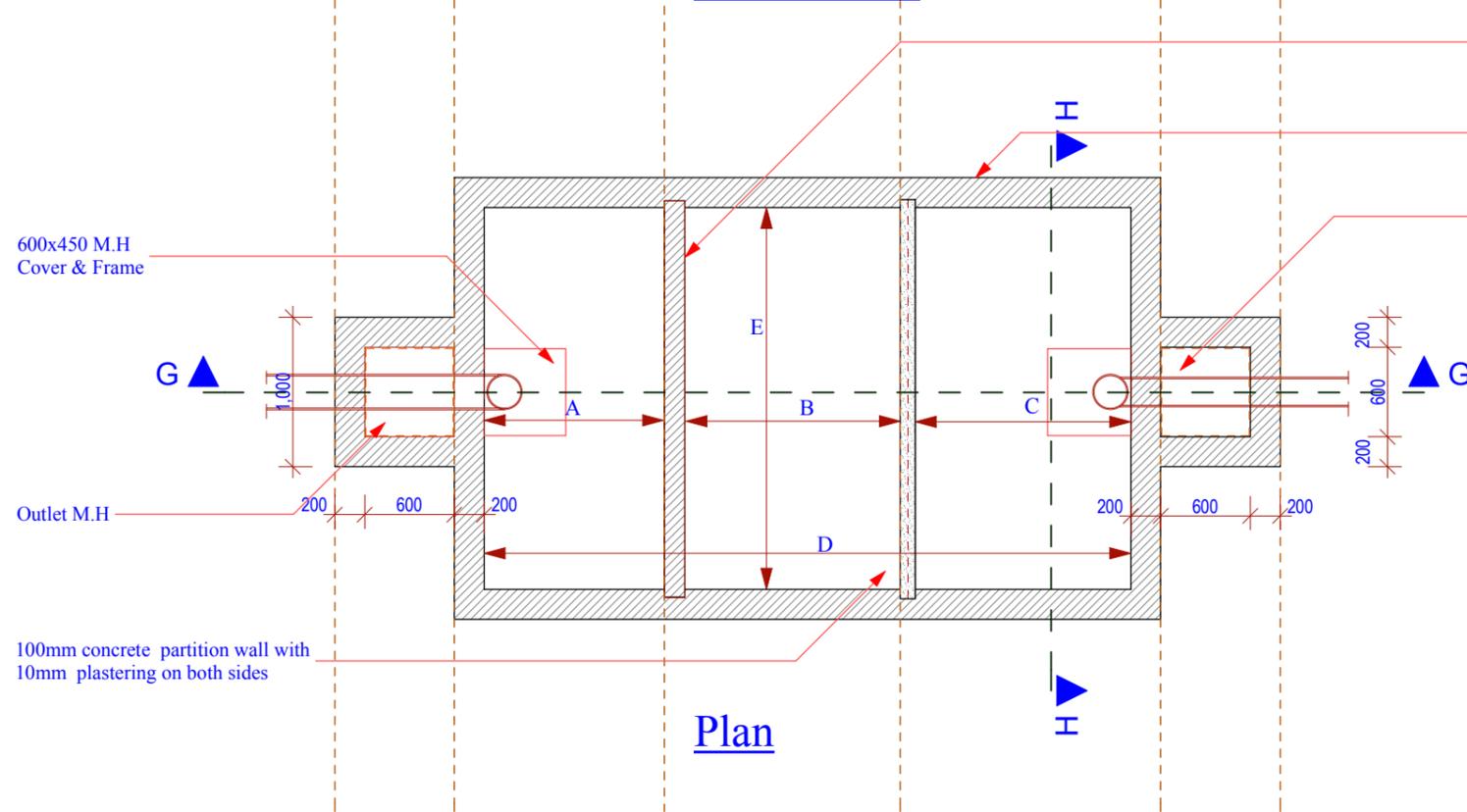
CONSTRUCTION
 All slabs at ground level to be poured over 1000 gauge polythene sheeting on 50mm thick murrum blinding on hard-core
 All soil under slabs and around external foundations to be poisoned for termite control.
 All soils on cut embankments to be stabilized. The slope not to exceed the natural angle of repose.
 For all R.C. work, refer to Structural Engineer's details.

Date: 07/02/2013
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Section G-G

Section H-H



Plan

150 x 300mm suspended RC beam carrying 150mm thick masonry wall plastered on both sides
 200mm Masonry Wall With 10mm plastering on both sides
 Outlet M.H.

Capacity in Litres	No Of Persons	Desludging Intervals (Yrs)	Dimensions In mm						
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15,000	50	3	800	1,600	1,400	4,000	2,400	1,500	1,400

Project Title:
 Up-scaling Basic Sanitation for Urban Poor (UBSUP)

Drawing Title:
 Septic Tank Details Drawings

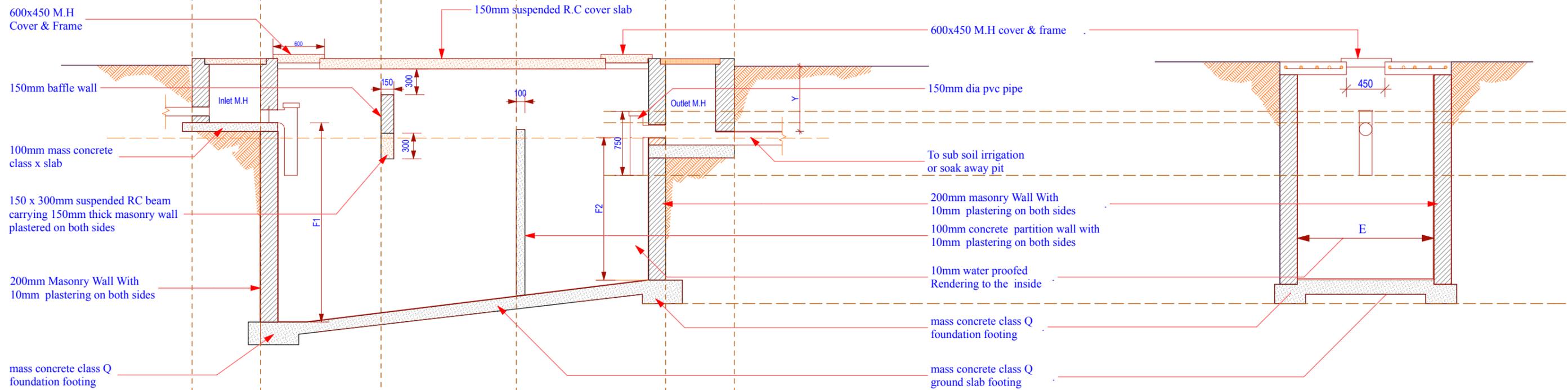
Drawn by:
 Edward Kung'u
Approved by:

Notes:
GENERAL
 Cover slab to be reinforced with 10mm diameter bars @ 10cm c/c (conc. 20/20 mix 1:2:4).
 Base slab to be concrete class Q mix 1:3:6.
 Outlet and inlet pipes to be 100mm diameter cast iron.
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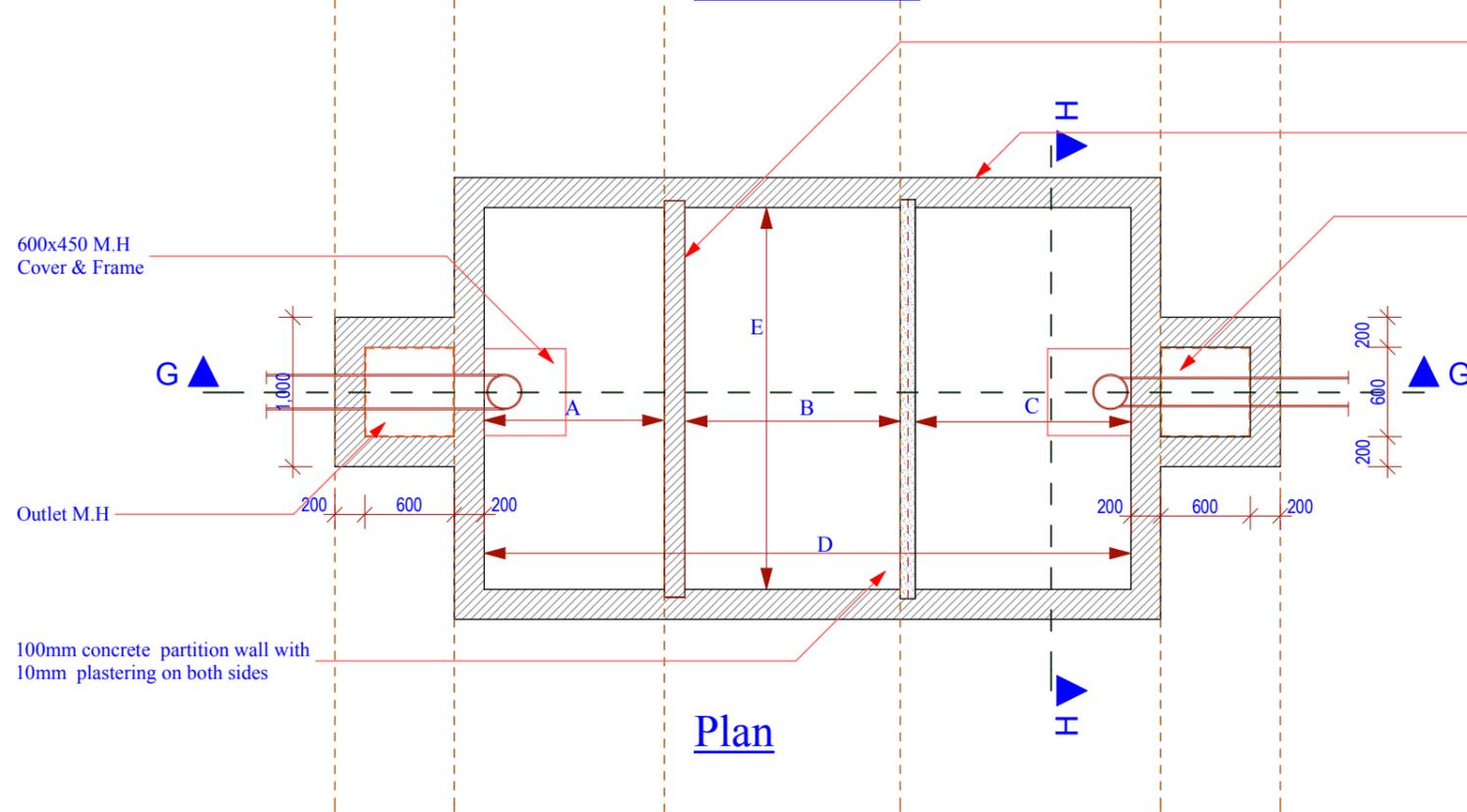
CONSTRUCTION
 All slabs at ground level to be poured over 1000 gauge polythene sheeting on 50mm thick murrum blinding on hard-core
 All soil under slabs and around external foundations to be poisoned for termite control.
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Section G-G

Section H-H



Plan

Capacity in Litres	No Of Persons	Desludging Intervals (Yrs)	Dimensions In mm						
			A	B	C	D	E	F1	F2
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9,000	30	3	800	1,400	1,200	3,600	1,800	1,500	1,300
12,000	40	3	800	1,600	1,400	4,000	2,000	1,500	1,400
15,000	50	3	800	1,600	1,400	4,000	2,400	1,500	1,400

Project Title:
Up-scaling Basic Sanitation for Urban Poor (UBSUP)

Drawing Title:
Septic Tank Details Drawings

Drawn by:
Edward Kung'u
Approved by:

Notes:
GENERAL
Cover slab to be reinforced with 10mm diameter bars @ 10cm c/c (conc. 20/20 mix 1:2:4).
Base slab to be concrete class Q mix 1:3:6.
Outlet and inlet pipes to be 100mm diameter cast iron.
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