

KOMBEWA SURVEY LAYOUT
Scale 1: 500

Project
PROPOSED KOMBEWA DRAINAGE AND SEPTIC TANK FOR WRP, KISUMU COUNTY.
 PR 4924905 MRU Drainage Renovations **Kombewa**
DRAWINGS.

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3	All RC works to SEs details. All civil works to CEs details
4	All plumbing and drainage to comply with MOH rules and regulations and to the MEs details
5	All conduits must be laid before plastering. All electrical works to EEs details

6	All black cotton soil to be excavated and carted away
7	All S & W. V. Pipes to be approved to 100mm diameter
8	All pvc pipes to be encased with chicken wire mesh and concrete surround to be plastered and painted or finished in ceramic tiles
9	All pitched roofs to have 100 x 50mm 22 gauge GCI box gutters and 75mm dia. PVC down pipes and other accessories all to be painted.
10	R. W.D.P to dispose at ground level into 300 x 300 x300mm concrete sump and cement gullies to detail

No.	Revisions	Description

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Scale: As shown Date: NOVEMBER 2015 Sheet No. A01
 Job no.015 - 014/05



KOMBWA SITE LAYOUT
Scale 1: 500

Project
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 PR 4924905 MRU Drainage Renovations KOMBWA
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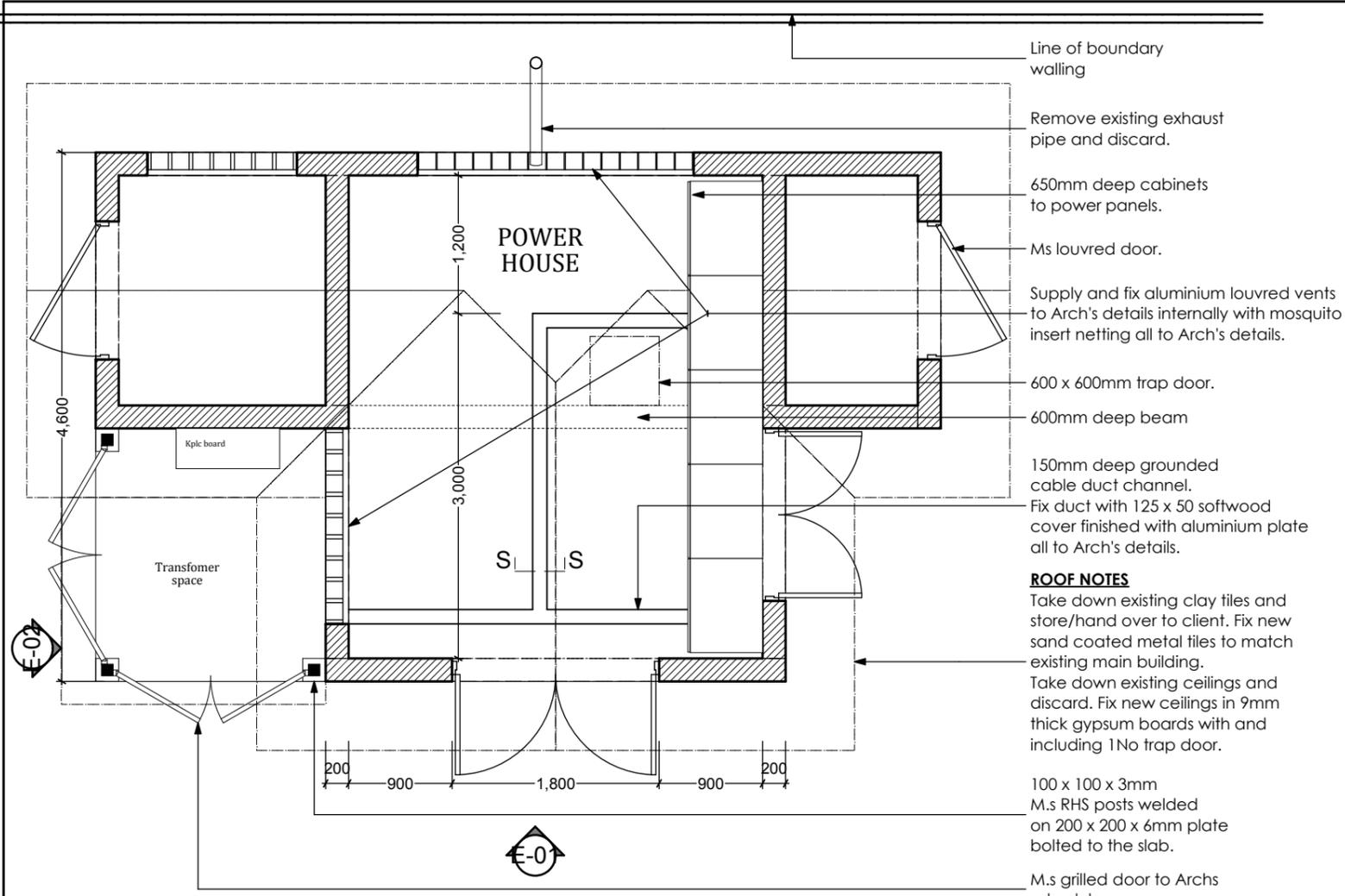
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Scale: As shown Date: NOVEMBER 2015 Sheet No. A02
 Job no.015 - 014/05

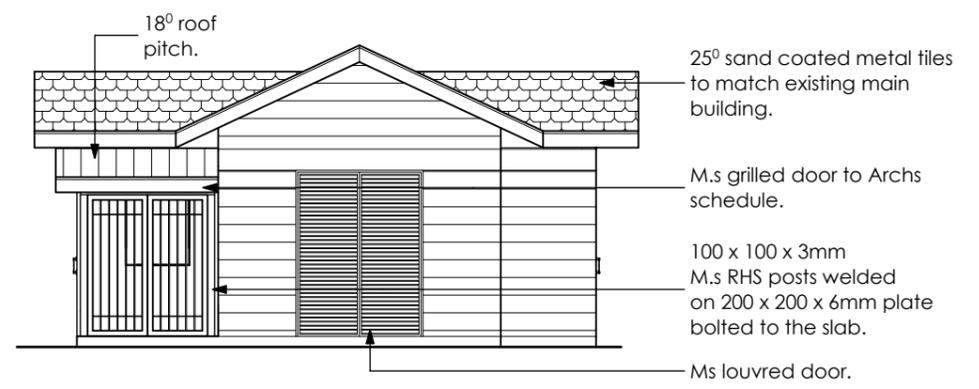


POWER HOUSE PLAN

Scale 1: 50

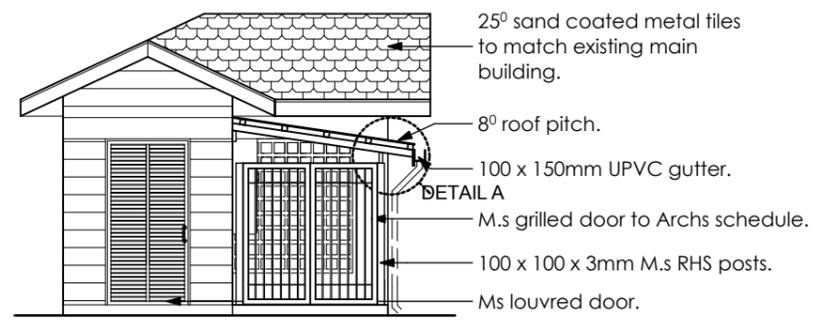
ROOF NOTES
 Take down existing clay tiles and store/hand over to client. Fix new sand coated metal tiles to match existing main building.
 Take down existing ceilings and discard. Fix new ceilings in 9mm thick gypsum boards with and including 1 No trap door.

100 x 100 x 3mm M.s RHS posts welded on 200 x 200 x 6mm plate bolted to the slab.
 M.s grilled door to Arch's schedule.



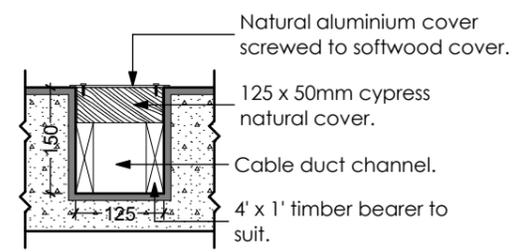
ELEVATION 01

Scale 1: 100



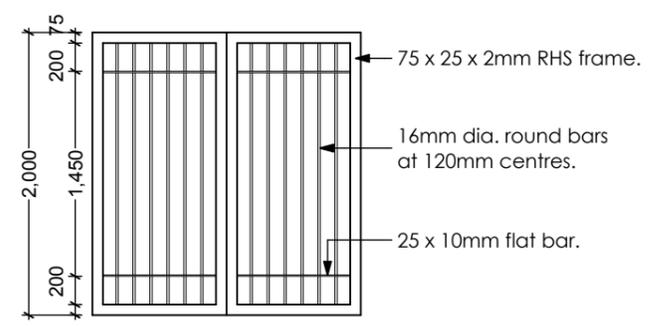
ELEVATION 02

Scale 1: 100



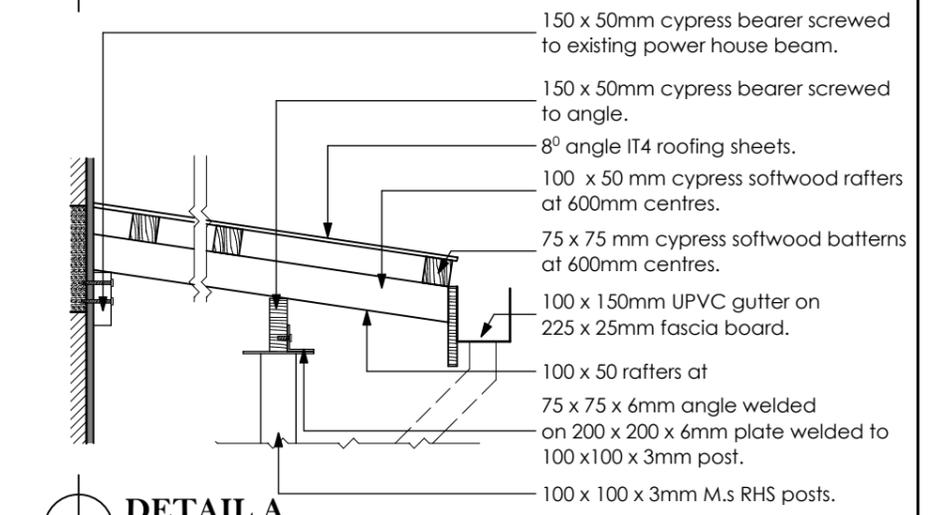
SECTION S - S

Scale 1: 10



MS GRILL DOOR.

Scale 1: 50



DETAIL A

Scale 1: 20

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Kombewa
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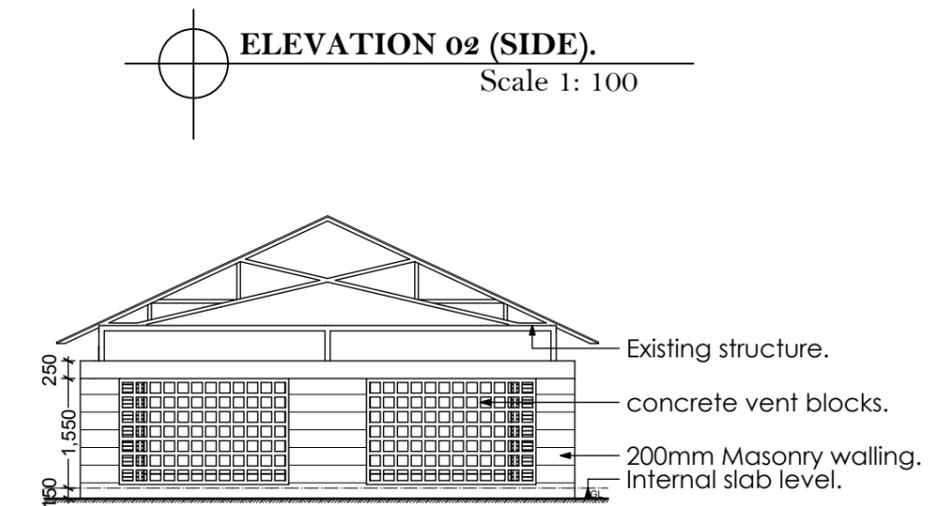
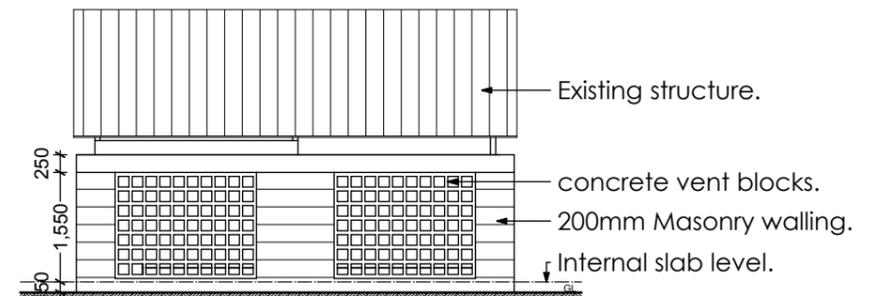
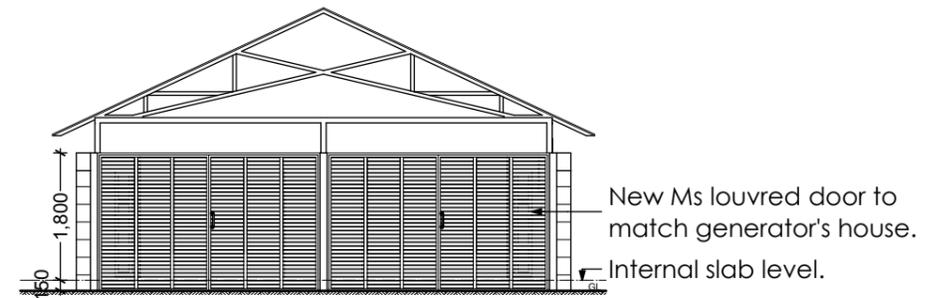
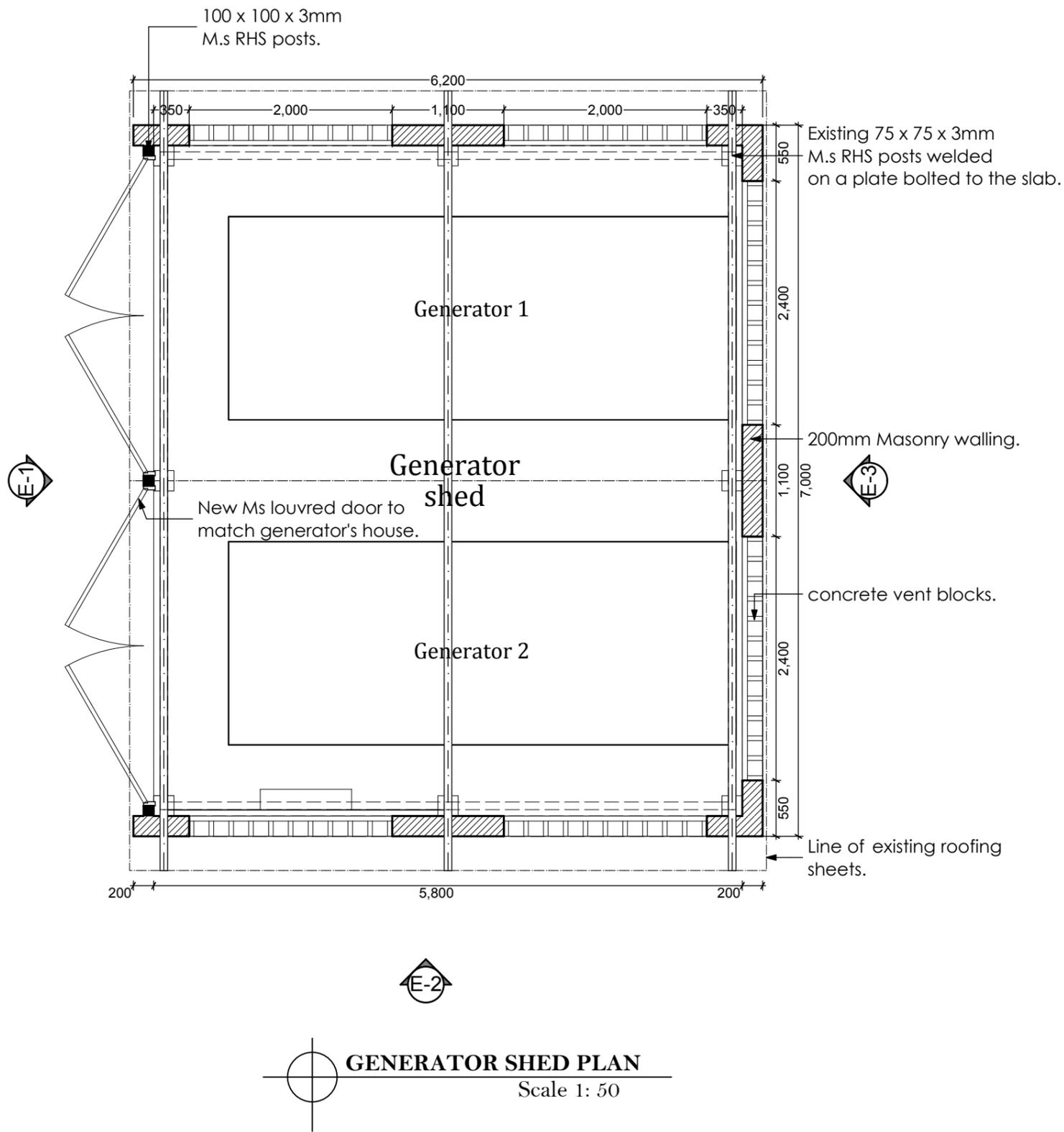
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Scale: As shown Date: NOVEMBER 2015 Sheet No. A03
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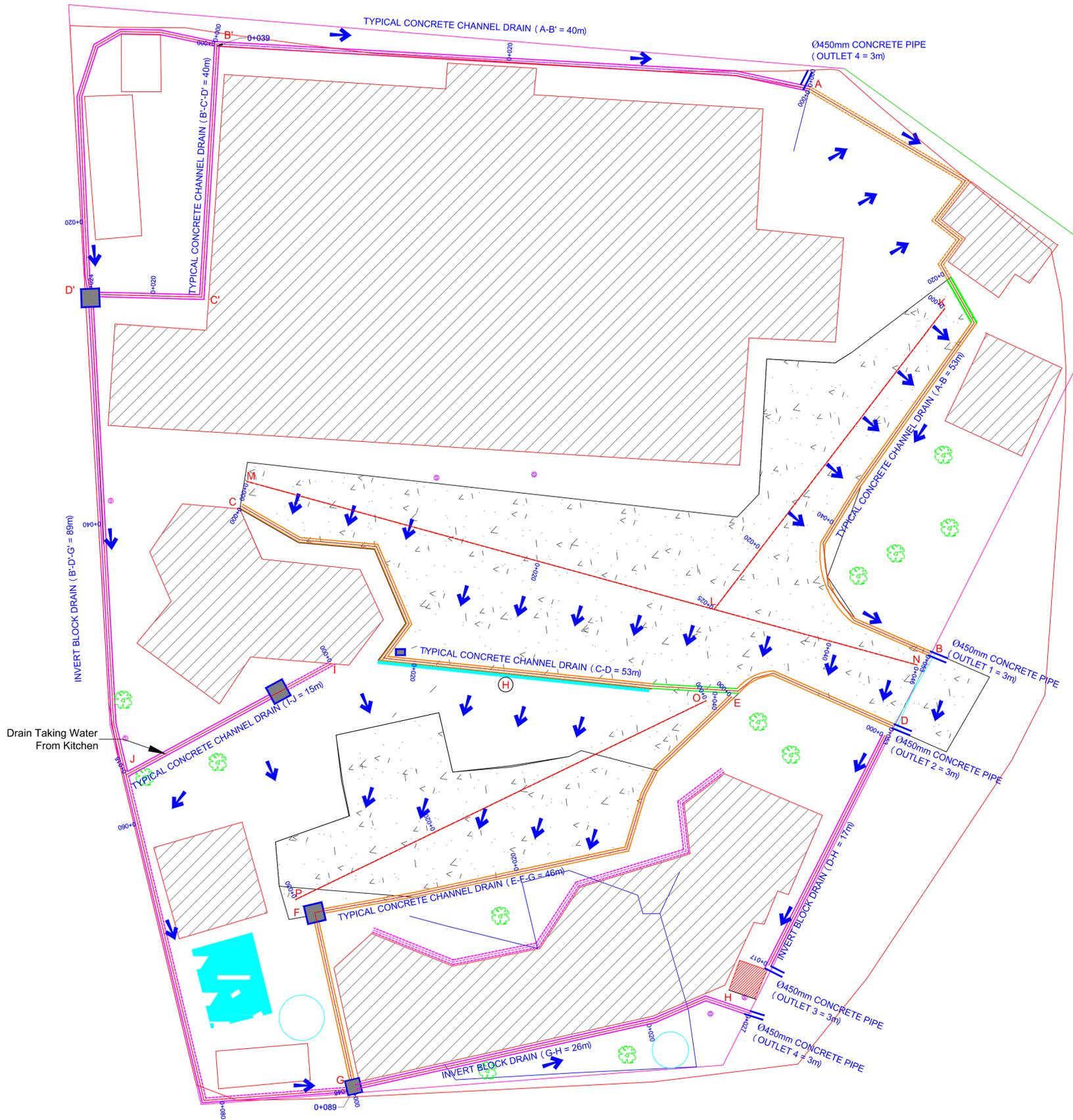
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Scale: As shown Date: NOVEMBER 2015 Sheet No. A04
Job no.015 - 014/05



	BUILDING
	CONTOUR
	CABROS
	DRAINAGE
	MANHOLE
	BOUNDARY WALL
	MAIN GATE
	PROPOSED MANHOLE
	FLOW OF STORM WATER
	TO OPEN POINTS
	RETAINING WALL
	CHANNELS CROSSING DRIVEWAY
	EXISTING CHANNELS
	CHANNELS AGAINST KERB

Project
 PROPOSED WORKS AT KOMBEWA RESEARCH CENTER FOR WRP, KISUMU COUNTY.
 PR 4924905 MRU Drainage Renovations Kombewa
 DRAWINGS.

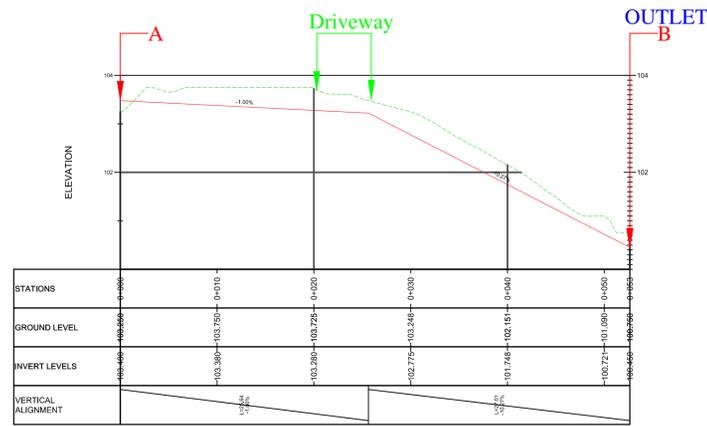
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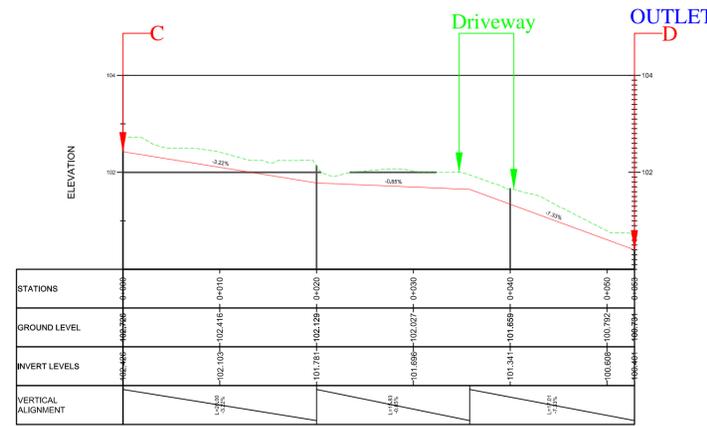
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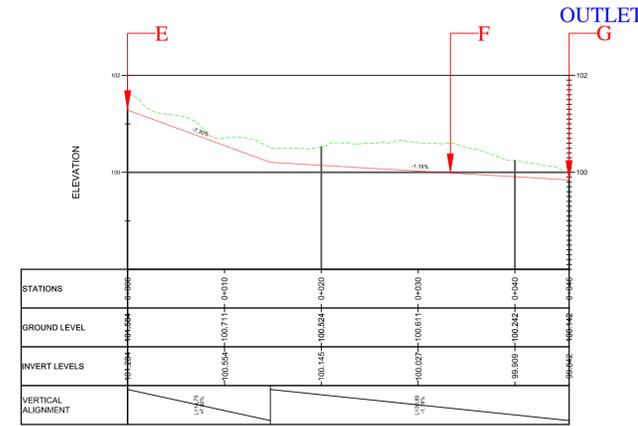
Scale: As shown Date: NOVEMBER 2015 Sheet No. C 01
 Job no. 015-014/05



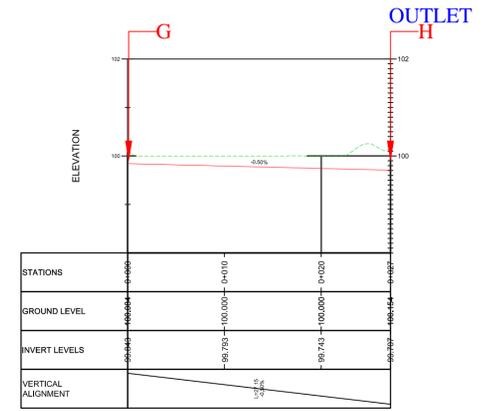
A - B
V.S=1:40, H.S=1:200



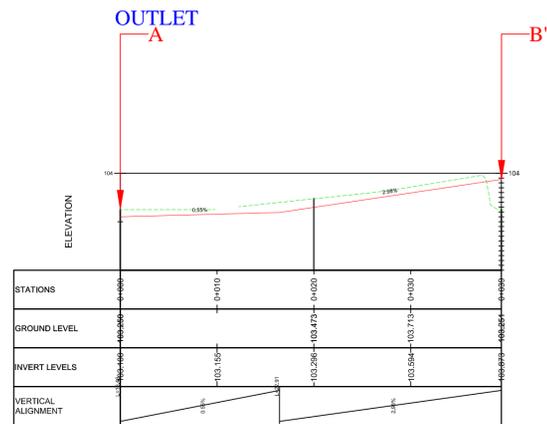
C - D
V.S=1:40, H.S=1:200



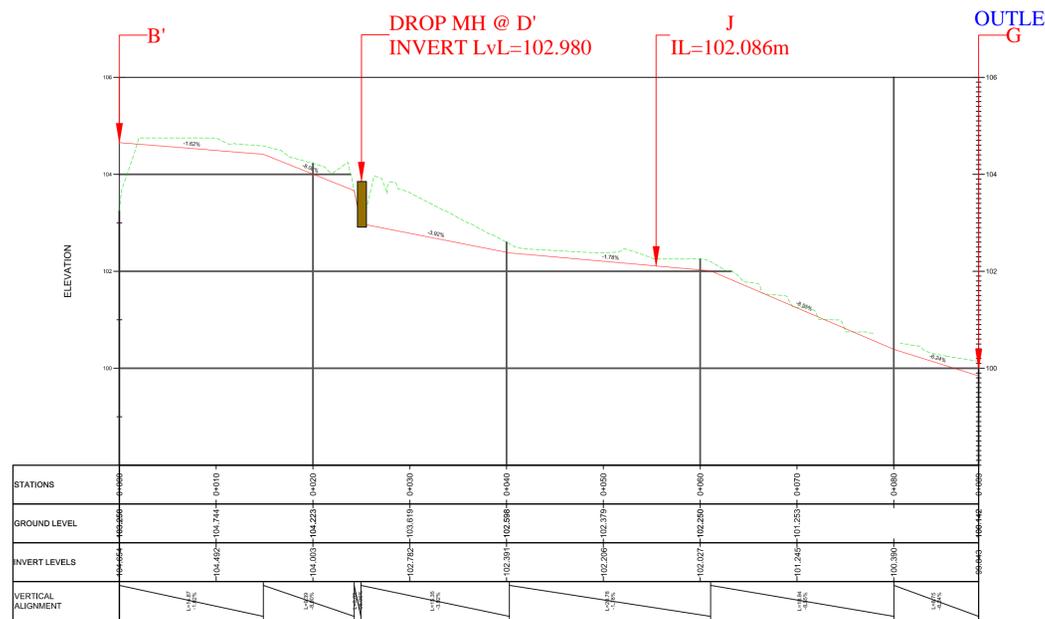
E - F - G
V.S=1:40, H.S=1:200



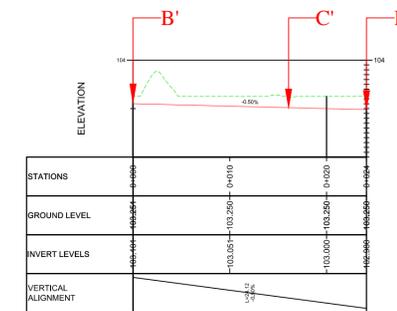
G - H
V.S=1:40, H.S=1:200



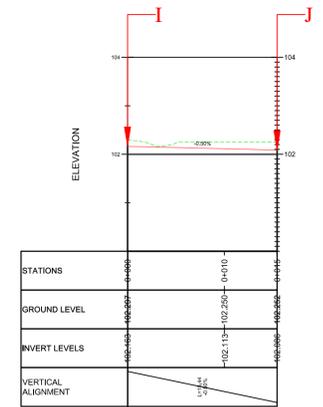
A - B'
V.S=1:40, H.S=1:200



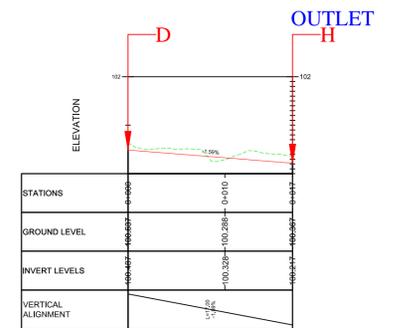
B' - D' - G
V.S=1:40, H.S=1:200



B' - C' - D'
V.S=1:40, H.S=1:200



I - J
V.S=1:40, H.S=1:200



D - H
V.S=1:40, H.S=1:200

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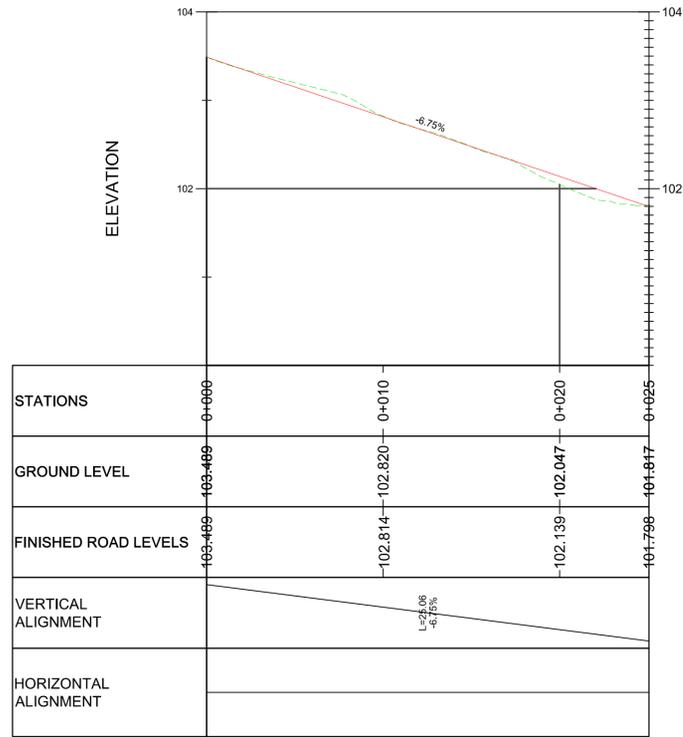
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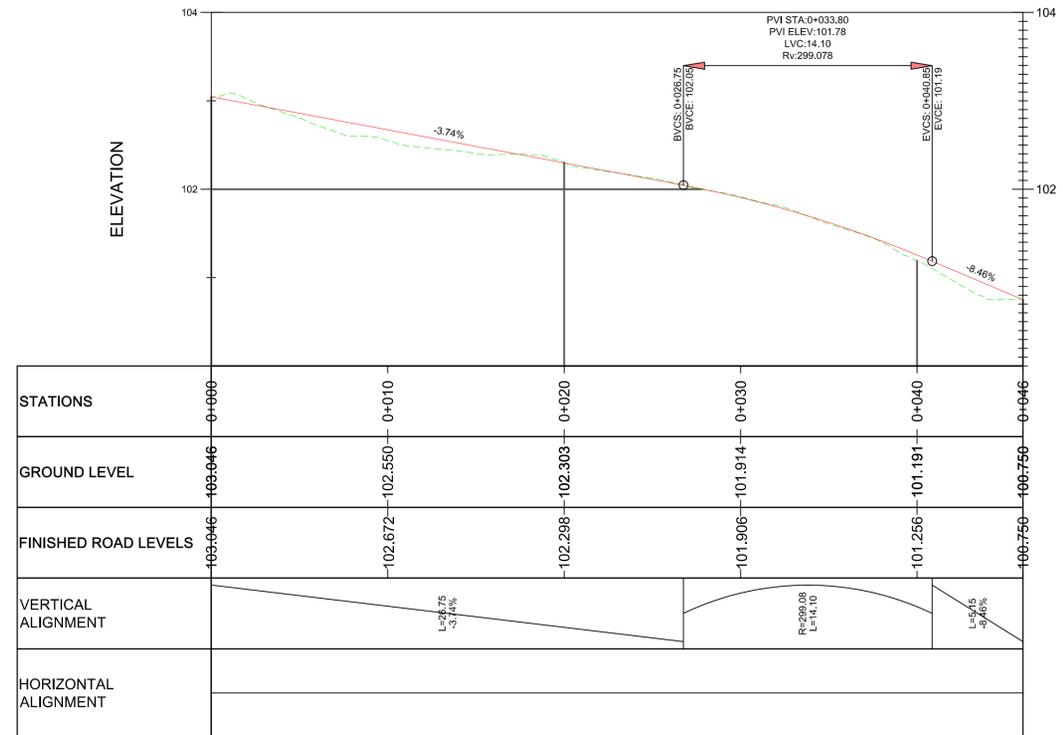
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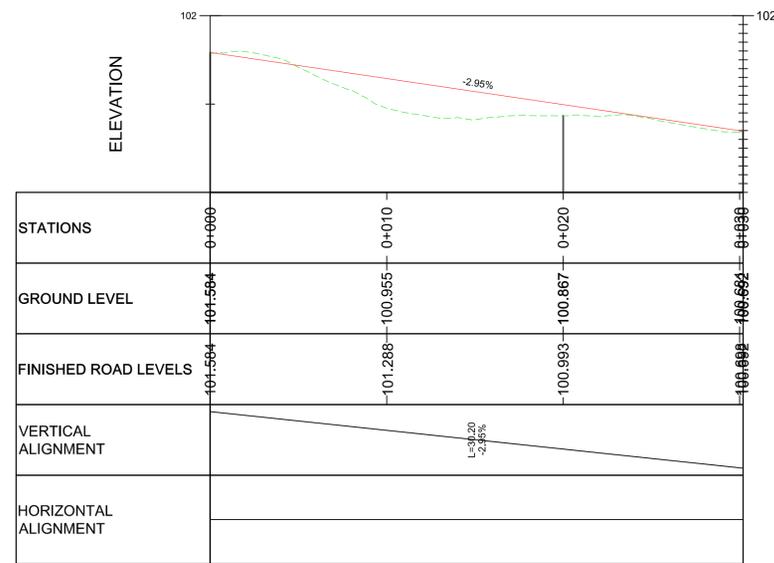
Scale: As shown Date: NOVEMBER 2015 Sheet No. C 02
Job no. 015-014/05



K - L
V.S=1:40, H.S=1:200



M - N
V.S=1:40, H.S=1:200



O - P
V.S=1:40, H.S=1:200

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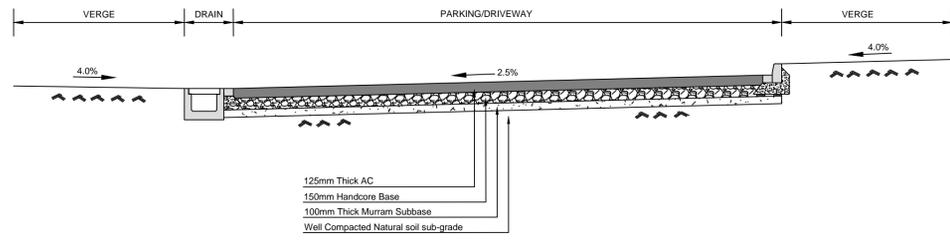
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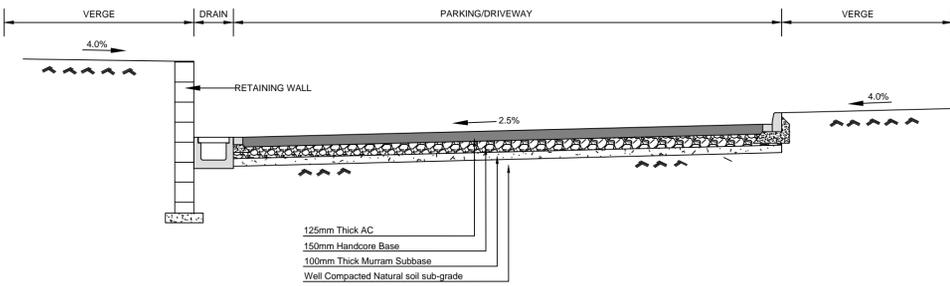
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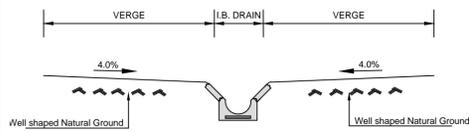
TYPICAL SECTIONS



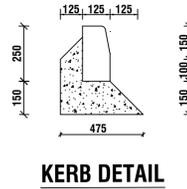
TYPICAL DRIVEWAY/PARKING SECTION



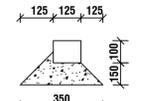
TYPICAL DRIVEWAY/PARKING SECTION



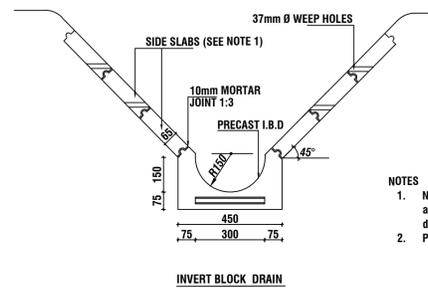
TYPICAL I.B.D SECTION



KERB DETAIL

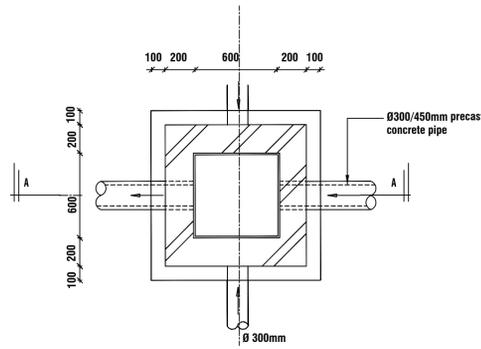


CHANNEL DETAIL

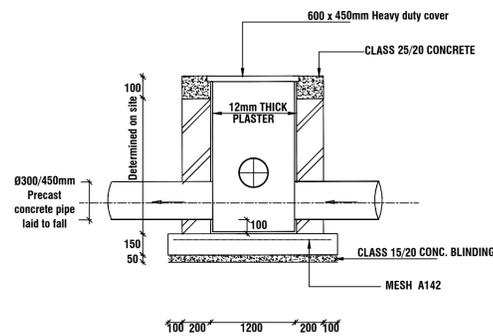


INVERT BLOCK DRAIN

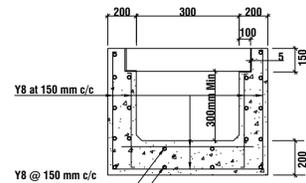
- NOTES**
- Number of Side slabs to be placed may vary according to the depth of Drain. This is to be determined on site
 - Precast I.B. Drain to be in concrete Class 25/20



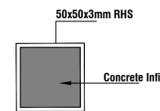
TYPICAL STORM WATER MANHOLE



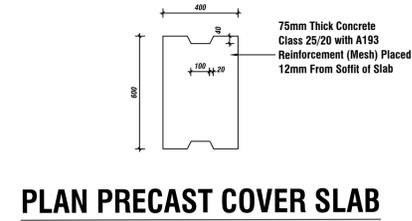
SECTION A - A



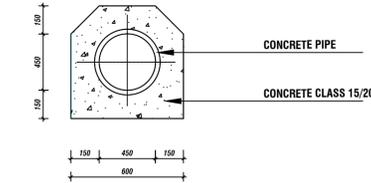
TYPICAL CONCRETE CHANNEL DRAIN CROSS SECTION SHOWING REINFORCEMENT



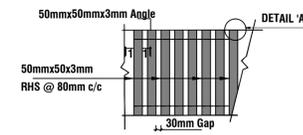
SECTION 1-1



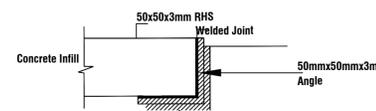
PLAN PRECAST COVER SLAB



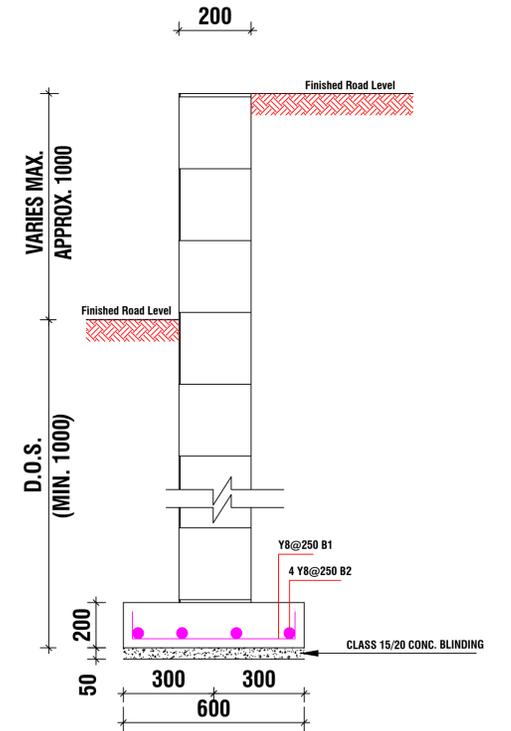
CONCRETE PIPES BEDDING AND HAUNCH



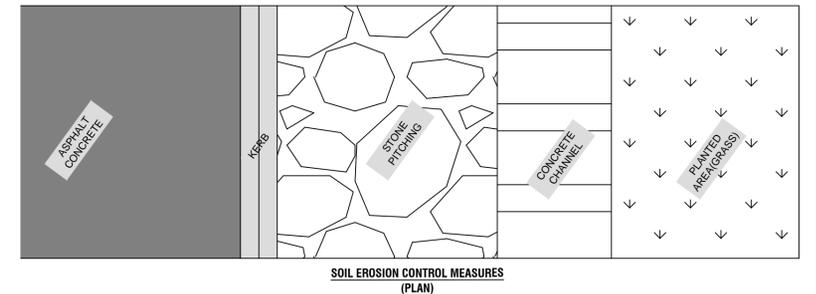
GRATING FOR CUT-OFF DRAIN LAYOUT



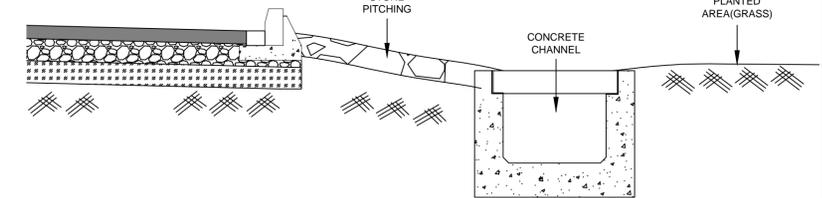
DETAIL A ANGLE/PLATE JOINTING DETAIL



TYPICAL SECTION MASONRY RETAINING WALL



SOIL EROSION CONTROL MEASURES (PLAN)



SOIL EROSION CONTROL MEASURES (SECTION)

- NOTES**
- Stone pitching where slopes > 60° otherwise plant grass.

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