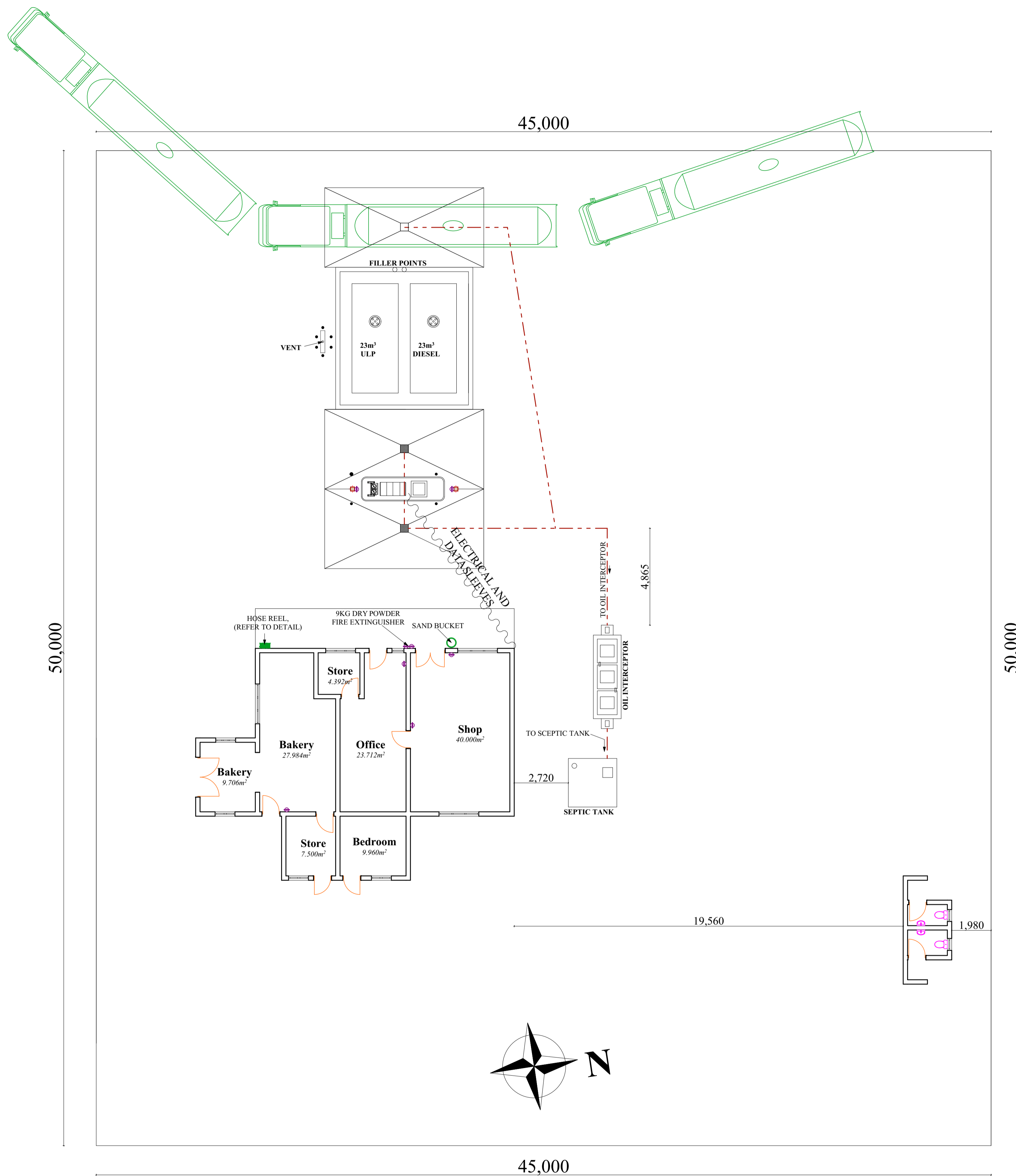


← TO GOBABIS

C22

TO OTJINENE →



45,000

**SITE PLAN**  
Scale 1:125

RevID	CHD	Change Name	Date

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Designed by:  
  
 BUILDING DESIGN AND CONSTRUCTION DEPARTMENT  
 Email: arteu.namibia@gmail.com  
 Phone: +264 81 205 9565  
 P.O BOX 24975 Windhoek

Quantity surveyor:

Mechanical & Electric Engineer:

Structural Engineer:

Drawing title  
**SITE PLAN**

Project title  
**PROPOSED NEW FILLING STATION AT DRIMIOPSIS**

Client  
**KATJIRUA-BREAD INVESTMENTS cc**  
PO BOX 1248 GOBABIS  
Cell: +264 81 424 2105  
Email: katjirua007@gmail.com

Drawn by  
**ARTHUR APELLE**

Registration number  
**TECH 523, PE2003004(TR)**

Date  
**OCTOBER 2022**

Scale  
**AS SHOWN**

Project number <b>2022-45</b>	Drawing number <b>045-1</b>
	Sheet number <b>1</b>

RevID	CHD	Change Name	Date

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 Phone: +264 81 205 9565  
 P.O BOX 24975 Windhoek

Quantity surveyor:

Mechanical & Electric Engineer:

Structural Engineer:

Drawing title  
**FORECOURTS, CONNECTION DETAILS**

Project title  
**PROPOSED NEW FILLING STATION AT DRIMIOPSIS**

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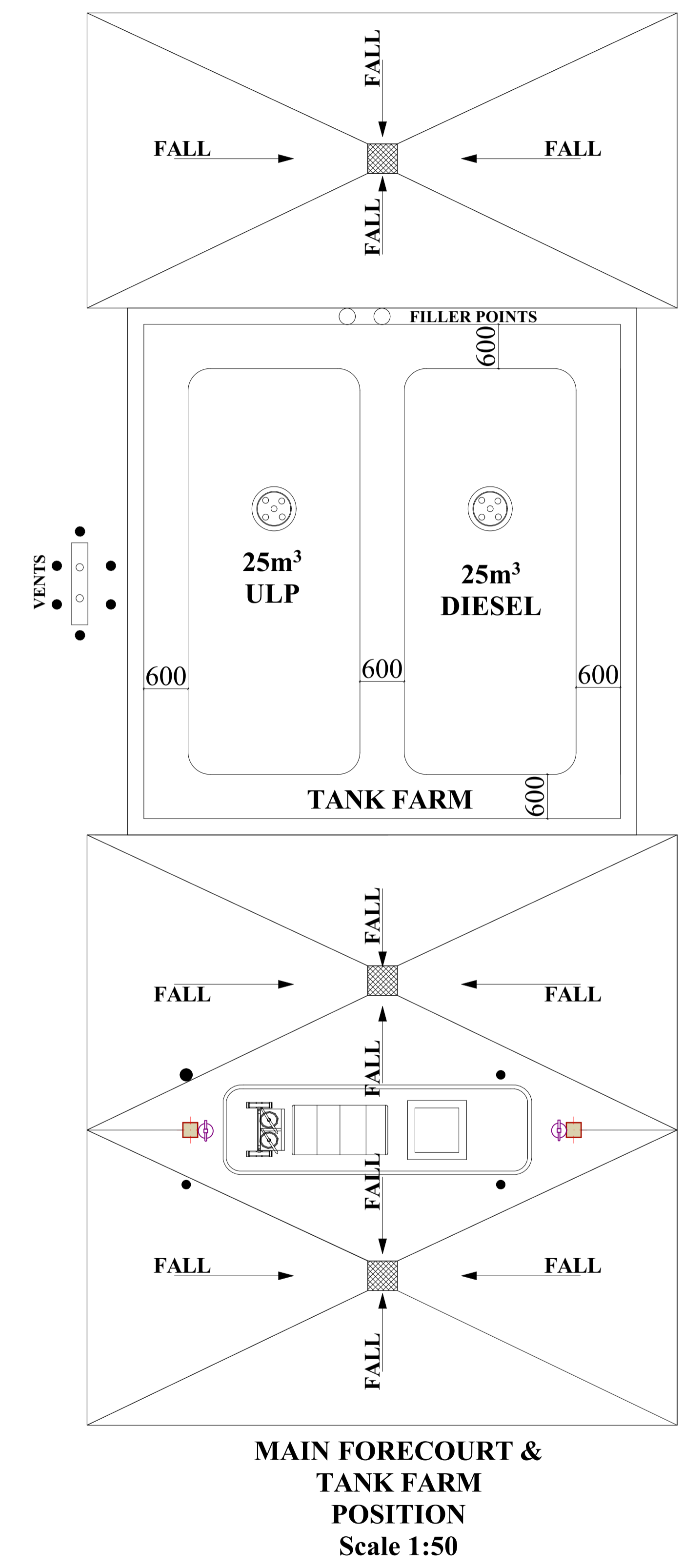
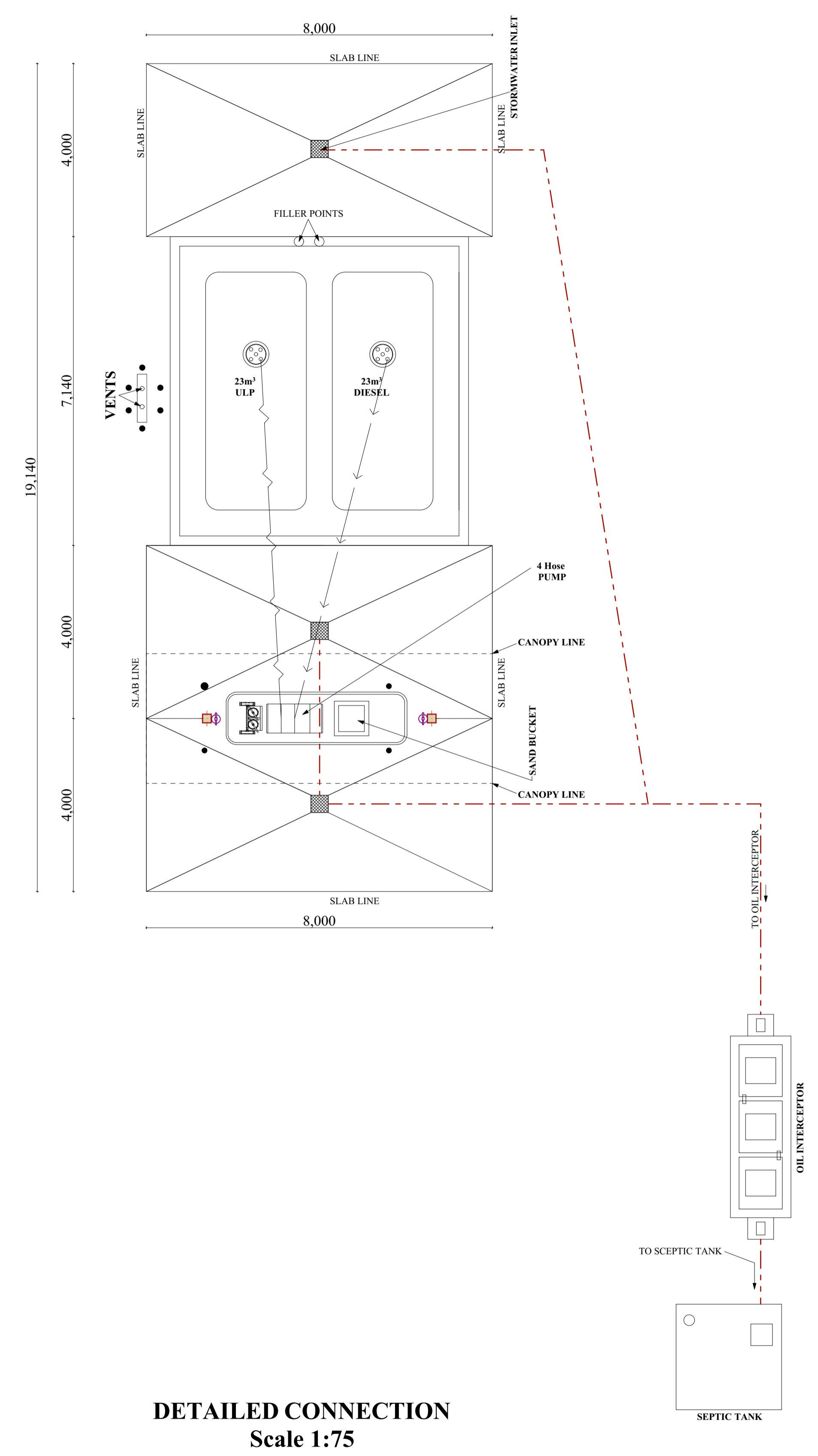
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Registration number  
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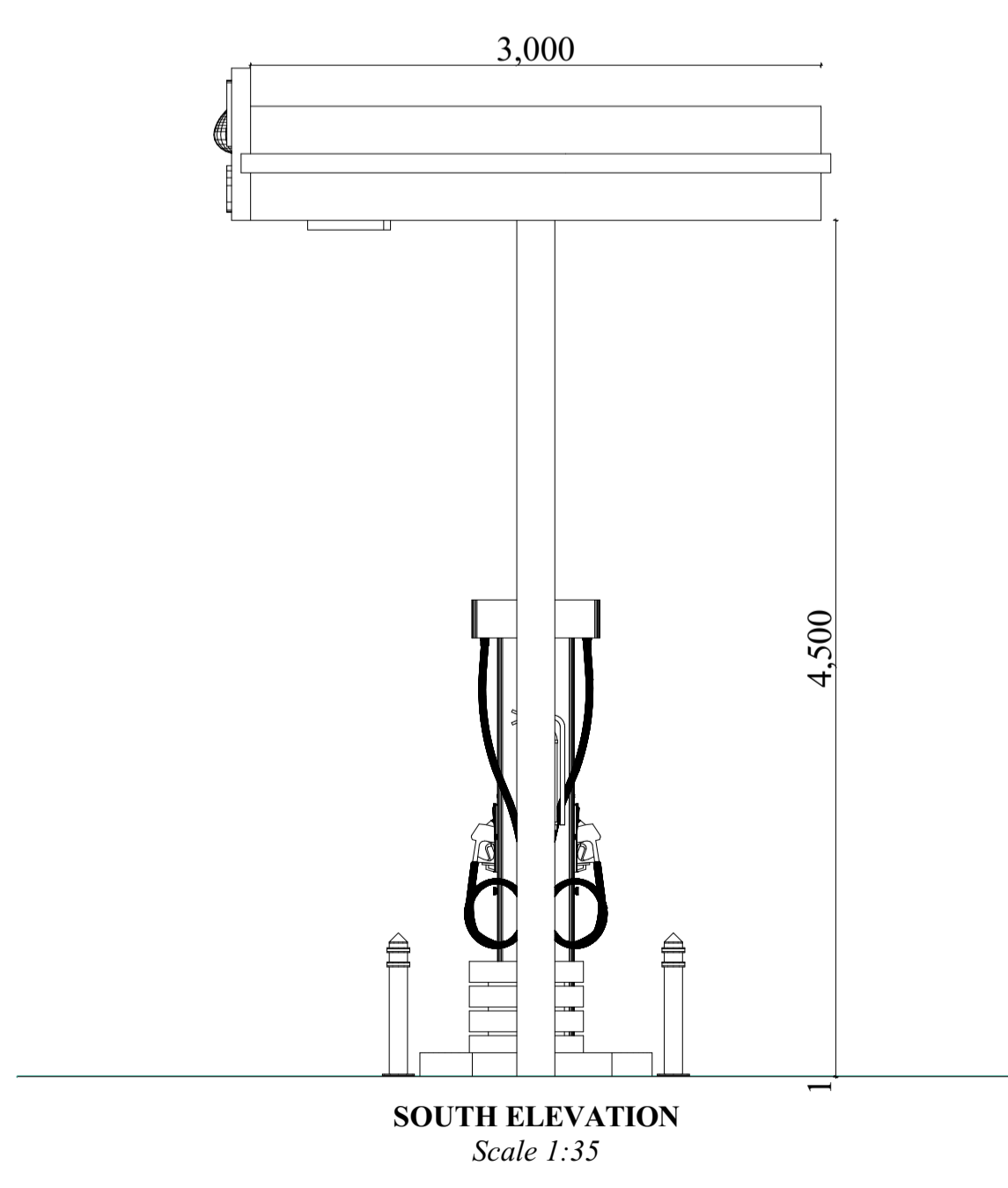
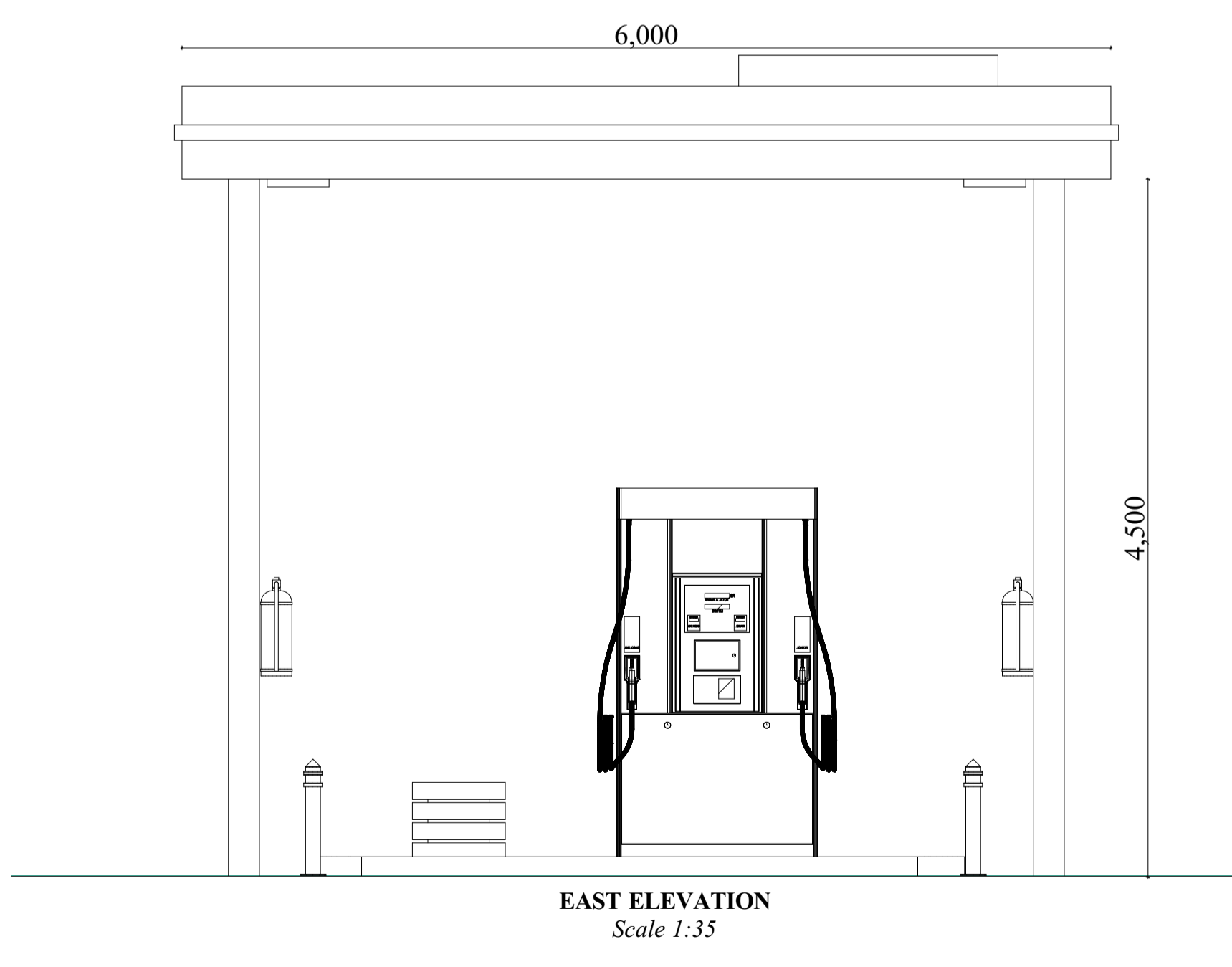
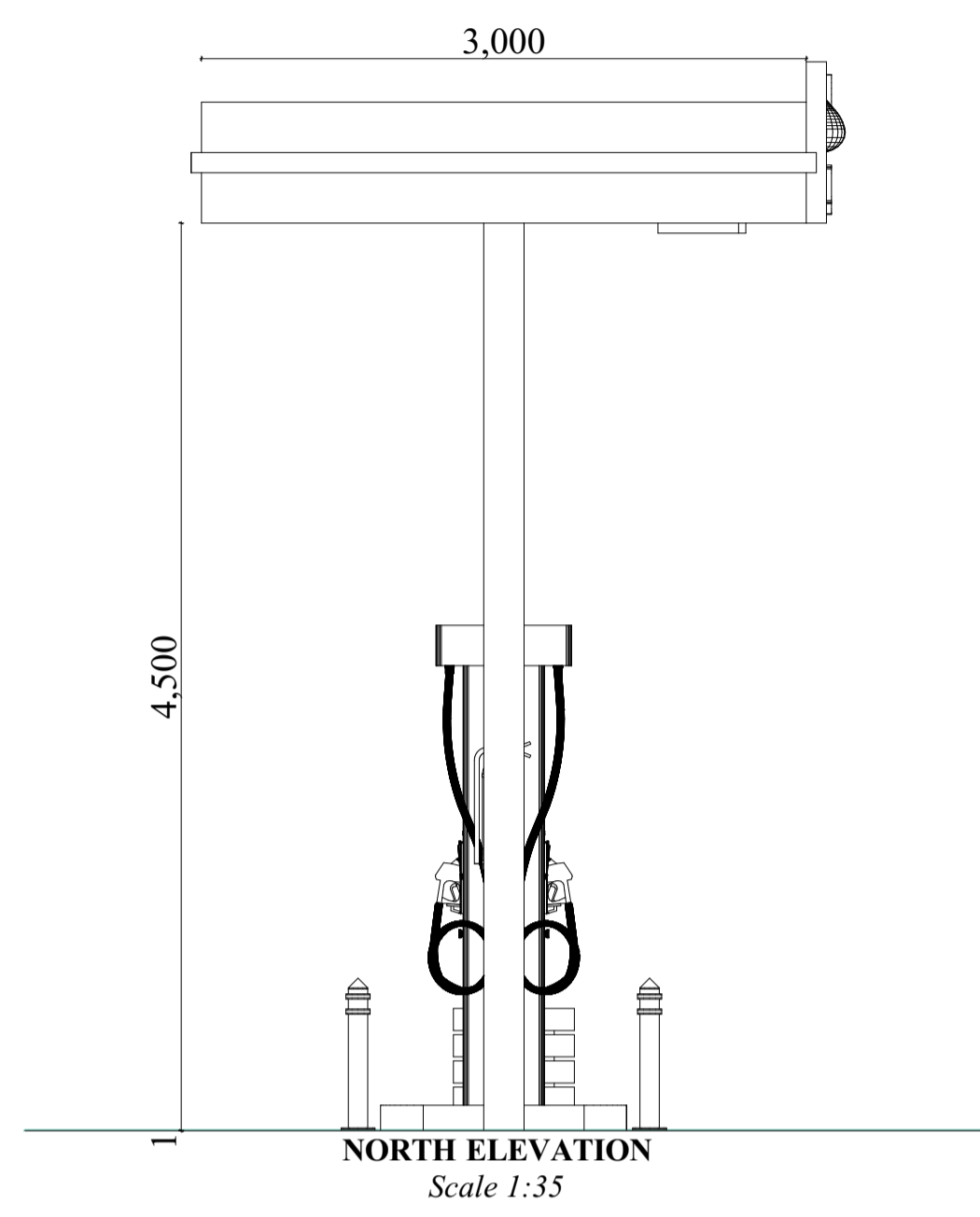
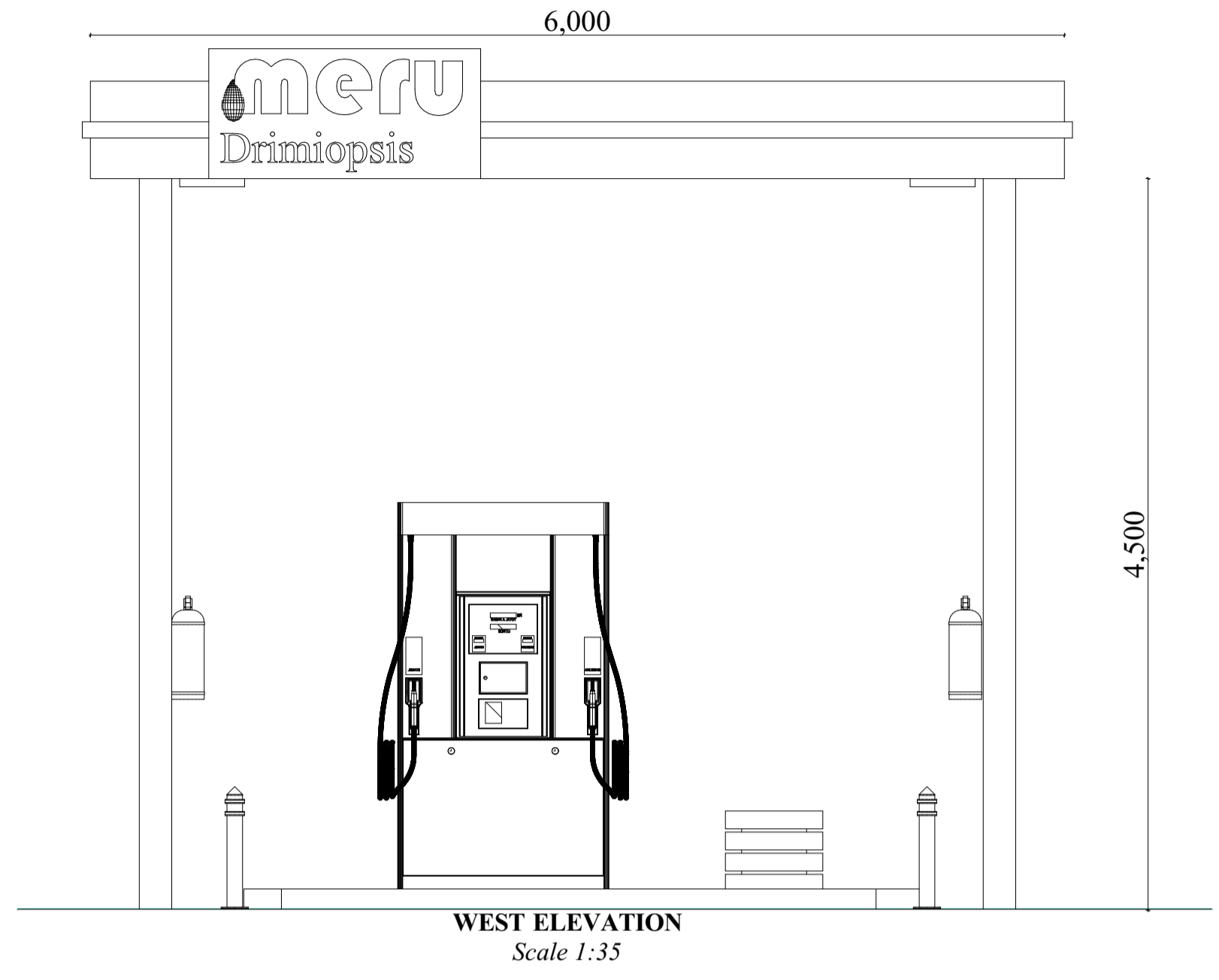
Date  
**OCTOBER 2022**

Scale  
**AS SHOWN**

Project number <b>2022-45</b>	Drawing number <b>045-1</b>
	Sheet number <b>2</b>



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**ARTEU**  
BUILDING DESIGN AND CONSTRUCTION DEPARTMENT  
Email: arteu.namibia@gmail.com  
Phone: +264 81 205 9565  
P.O BOX 24975 Windhoek

Quantity surveyor:

Mechanical & Electric Engineer:

Structural Engineer:

Drawing title  
**CANOPY**

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Client  
**KATJIRUA-BREAD INVESTMENTS cc**  
**PO BOX 1248 GOBABIS**  
Cell: +264 81 424 2105  
Email: katjirua007@gmail.com

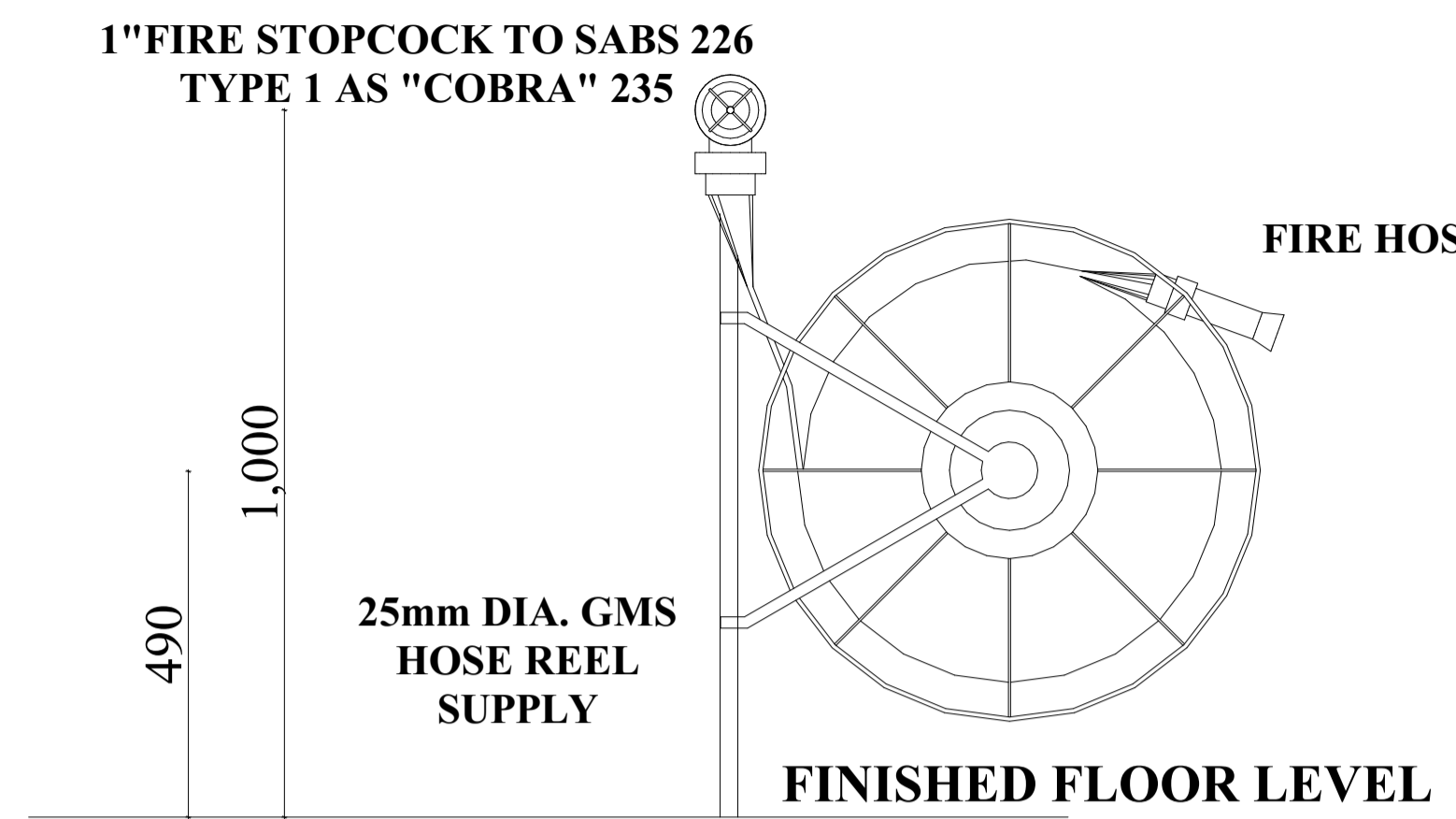
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Registration number  
**TECH 523, PE2003004(TR)**

Date  
**OCTOBER 2022**

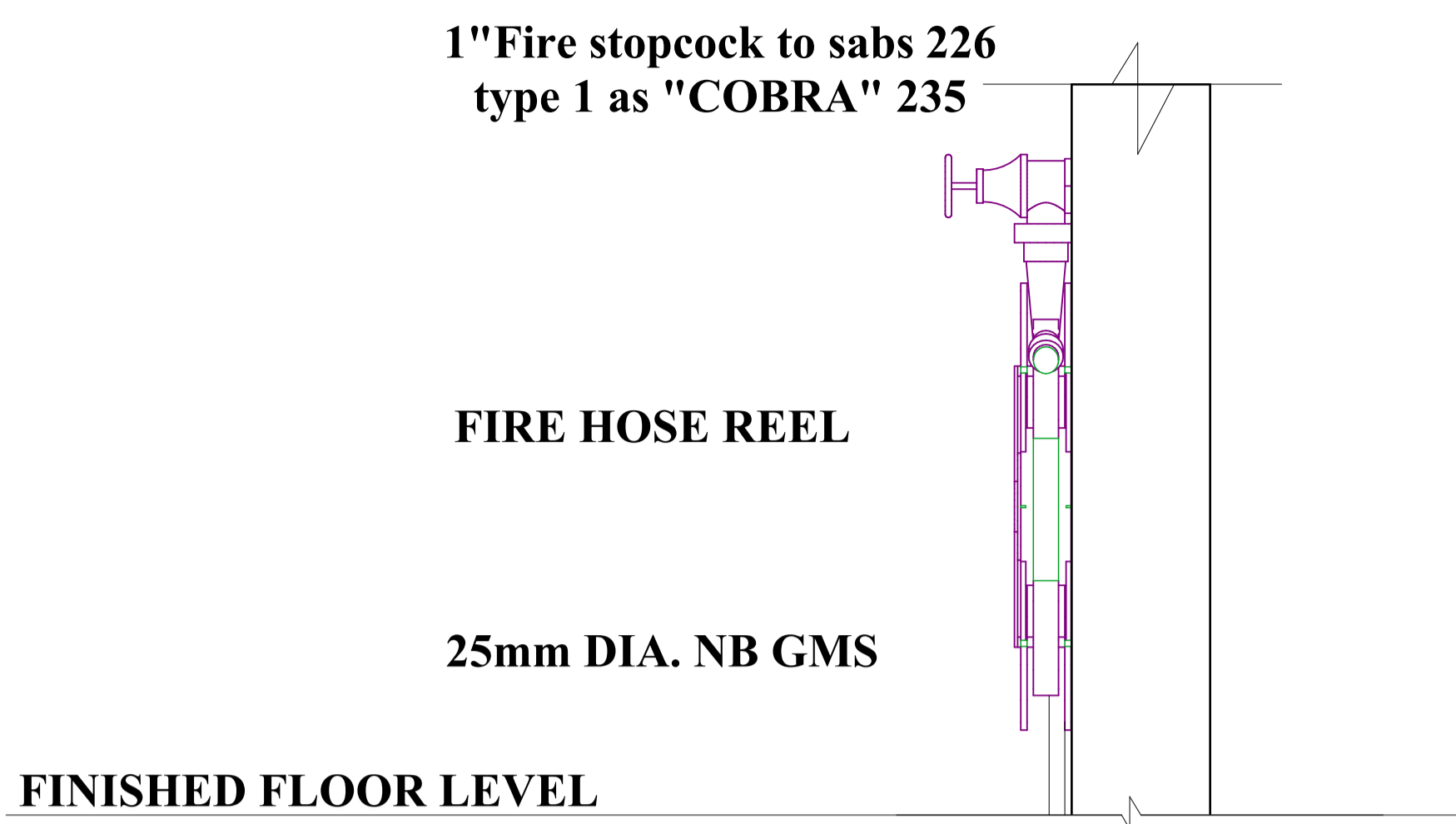
Scale  
**AS SHOWN**

Project number <b>2022-45</b>	Drawing number <b>045-1</b>
	Sheet number <b>3</b>

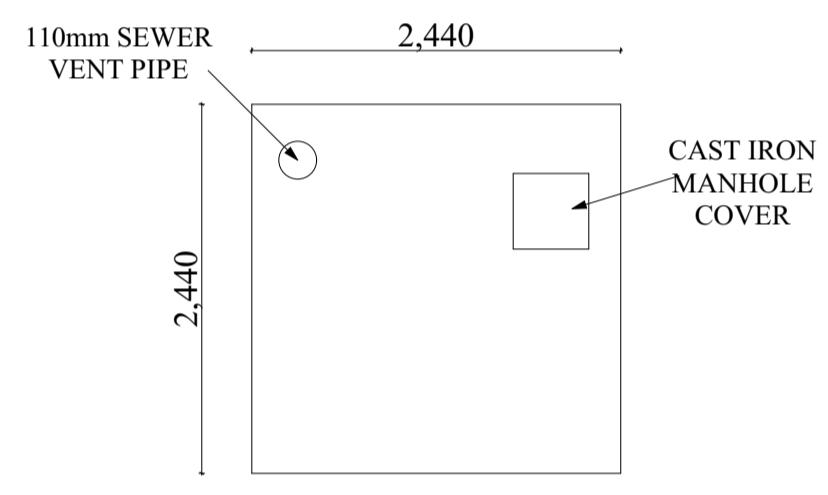


**TYPICAL DETAIL OF HOSE REEL AND HYDRANT CONNECTION**  
Scale 1:100

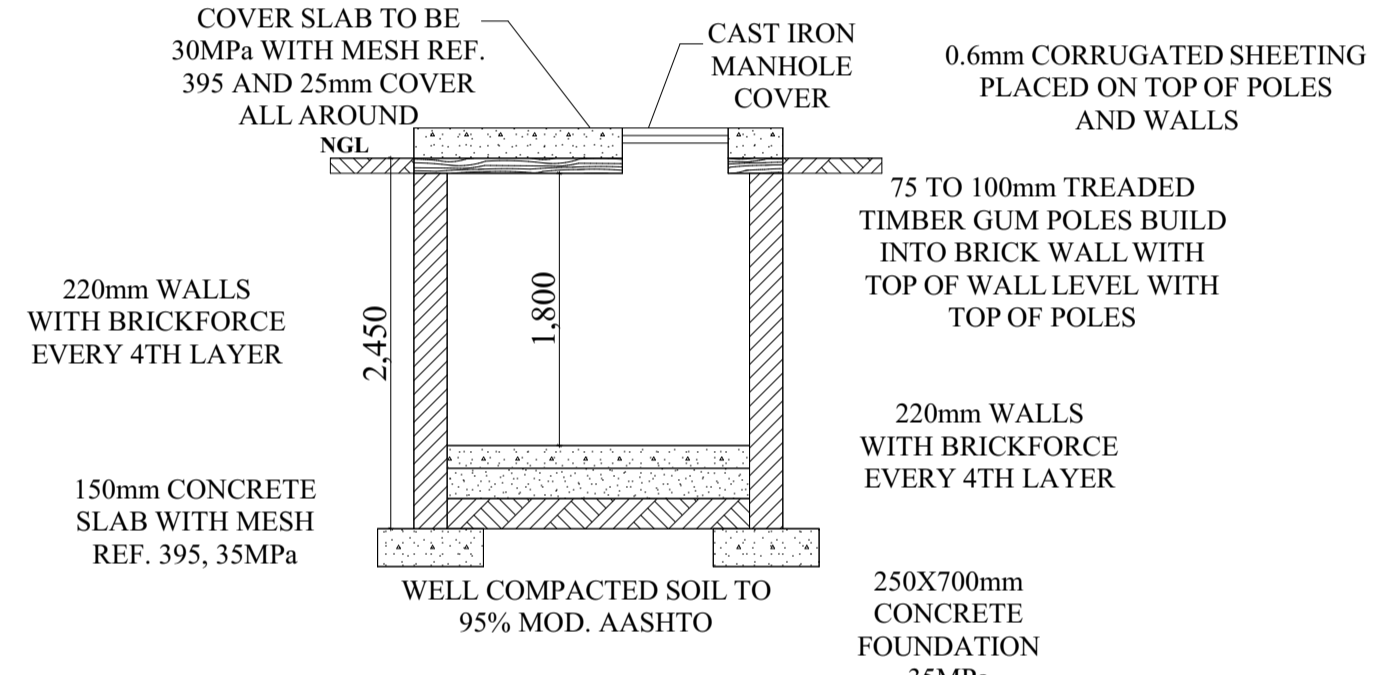
**WALL MOUNTED  
NON-SWING HOSE  
REEL FITTED WITH  
30mm OF 20mm  
INT. DIA. NON  
KINKABLE RUBBER  
HOSE AND ALL WAY  
HOSE ROLLER GUIDE**



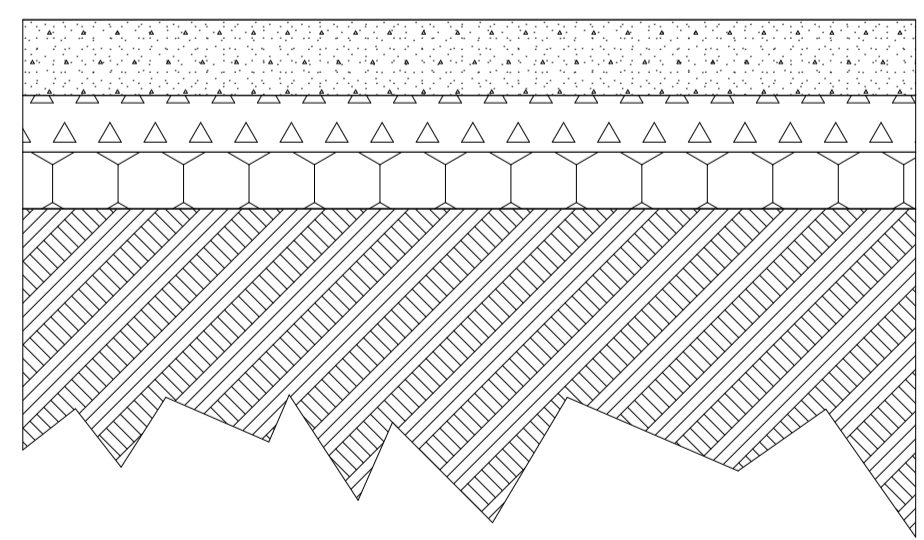
**TYPICAL DETAIL OF HOSE REEL**  
Scale 1:100



**SEPTIC TANK  
PLAN VIEW**  
Scale 1:50

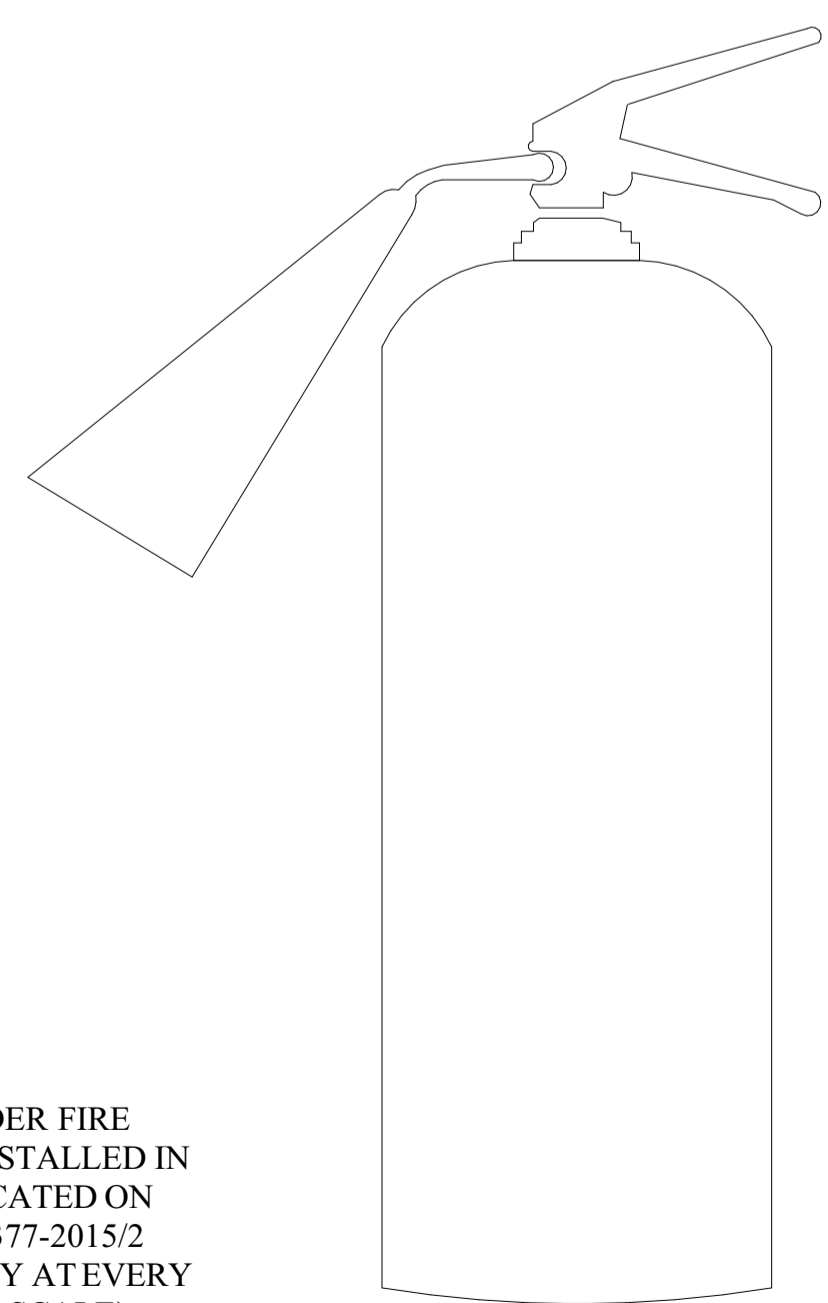


**TYPICAL SECTION OF SEPTIC TANK**  
Scale 1:50



**LAYERWORKS CONCRETE SLABS  
TRUCK FORECOURT**

200mm SLAB OF 30MPa/19mm CONCRETE WITH SMOOTH POWER FLOATED SURFACE- MESH REF 395  
150mm SUB BASE C4 MATERIAL COMPACTED TO 98% MOD AASHTO DENSITY  
150mm G7 SELECTED LAYERS COMPACTED TO 95% MOD AASHTO DENSITY. (ONLY IF REQUIRED TO MAKE UP LEVELS. MULTIPLE LAYERS MAY BE REQUIRED IN SOME AREAS. IN-SITU MATERIAL)  
AFTER REMOVAL AND SPOIL OF ANY UNDESIRABLE MATERIAL SCARIFY 200mm IN-SITU MATERIAL AND COMPACT TO 93% MOD.AASHTO DENSITY  
ALL FALLS IN SLAB TO BE AT A MINIMUM OF 1% TO ENSURE GOOD GRADIENT FOR SPILLED PRODUCTS



9KG DRY POWDER FIRE EXTINGUISHER, INSTALLED IN POSITIONS INDICATED ON DRAWING PBD-377-2015/2 AND ADDITIONALLY AT EVERY PUMP. (NOT TO SCALE)

**FIRE NOTES**  
FIRE FIGHTING EQUIPMENT TO BE PROVIDED IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS AND/OR LOCAL AUTHORITIES. TO BE TESTED BY RELEVANT FIRE INSPECTORATE FOR THE AREA. IN TERMS OF MAINTENANCE AND FOREGOING OPERATIONS, FIRE EQUIPMENT MUST COMPLY TO SANS 10105-1:2005 CLAUSE 4 AT ALL TIME

**FIRE EXTINGUISHERS TO BE PROVIDED:**  
- EACH PUMP ISLAND TO BE PROVIDED WITH 1 X 9KG ABC DRY CHEMICAL POWDER ON THE FORECOURT  
- THESE FIRE EXTINGUISHERS ARE TO BE HUNG ON THE COLUMNS AT EACH PUMP - SEE DETAIL

**FIRE PROTECTION NOTES:**

- ALL WORKS TO COMPLY WITH SABS 0400
- OCCUPANCY CLASSIFICATION
- FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 0105
- HOSE REELS TO BE INSTALLED IN ACCORDANCE WITH SABS 543
- WATER SUPPLY TO THE FIRE FIGHTING EQUIPMENT TO COMPLY WITH RATIONAL DESIGN
- PORTABLE FIRE EXTINGUISHERS TO BE HUNG ON THE BUILDING AND COLUMNS LOCATED NEXT TO PUMPS AS LOCATED IN THE PLAN AND MUST COMPLY WITH SABS SET STANDARDS
- ACCESS DOORS AND ESCAPE DOORS IN ANY EMERGENCY ROUTE MAY ONLY BE FITTED WITH LOCKING DEVICES AS APPROVED BY THE RELEVANT LOCAL AUTHORITY.
- "B" CLASS FIRE DOORS 900MM WIDE TO COMPLY WITH SABS 1253 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATED CLOSING DEVICES

- FLOOR COVERINGS TO COMPLY WITH TT14.
  - WALL COVERINGS TO COMPLY WITH TT15.
  - EMERGENCY LIGHTING TO BE INSTALLED AND TO COMPLY WITH TT31, SUCH PERSON DOING INSTALLED MUST BE A RECOGNISED TECHNICIAN BY LOCAL AUTHORITY.
  - MANUALLY ACTIVATED AUDIBLE ALARM TO BE PROVIDED AND TO COMPLY WITH TT31
  - FIREMEN'S SWITCH TO BE INSTALLED ON SITE (SEE FIRE DRAWINGS)
- THE FOLLOWING LIST OF ITEMS IS TO BE DONE IN COMPLIANCE WITH REGULATIONS OF THE LOCAL FIRE DEPARTMENT
- "NO SMOKING" SIGN TO BE INSTALLED
  - "NO NAKED FLAMES" SIGN TO BE INSTALLED
  - "R.C. SLAB" OVER TANKS IF ANY, TO HAVE A MINIMUM OVERLAY OF 750MM ON ALL SIDES.
  - "PUMP ISLAND TO BE NO LESS THAN 150MM HIGH, AND PUMP TO BE NO LESS THAN 300MM AWAY FROM THE SIDES OF THE PUMP ISLAND.
- PUMP AND TANK CONTRACTOR TO NOTE THE FOLLOWING:  
ROUTES OF SUPPLY LINES AS SHOWN ARE ONLY SCHEMATIC  
ALL FILLER LINES TO BE 100MM DIA. GALVANIZED MS.  
VENT PIPES ARE TO TERMINATE, MINIMUM 4M ABOVE GROUND LEVEL  
VENT PIPES ARE TO BE FITTED WITH VERTICAL VENT ROSES

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Designed by:



**ARTEU**  
BUILDING DESIGN AND CONSTRUCTION DEPARTMENT  
Email: arteu.namibia@gmail.com  
Phone: +264 81 205 9565  
P.O BOX 24975 Windhoek

Quantity surveyor:

Mechanical & Electric Engineer:

Structural Engineer:

Drawing title  
**HOSE REEL, SEPTIC TANK**

Project title  
**PROPOSED NEW FILLING STATION AT DRIMIOPSIS**

Client  
**KATJIRUA-BREAD INVESTMENTS cc**  
**PO BOX 1248 GOBABIS**  
Cell: +264 81 424 2105  
Email: katjirua007@gmail.com

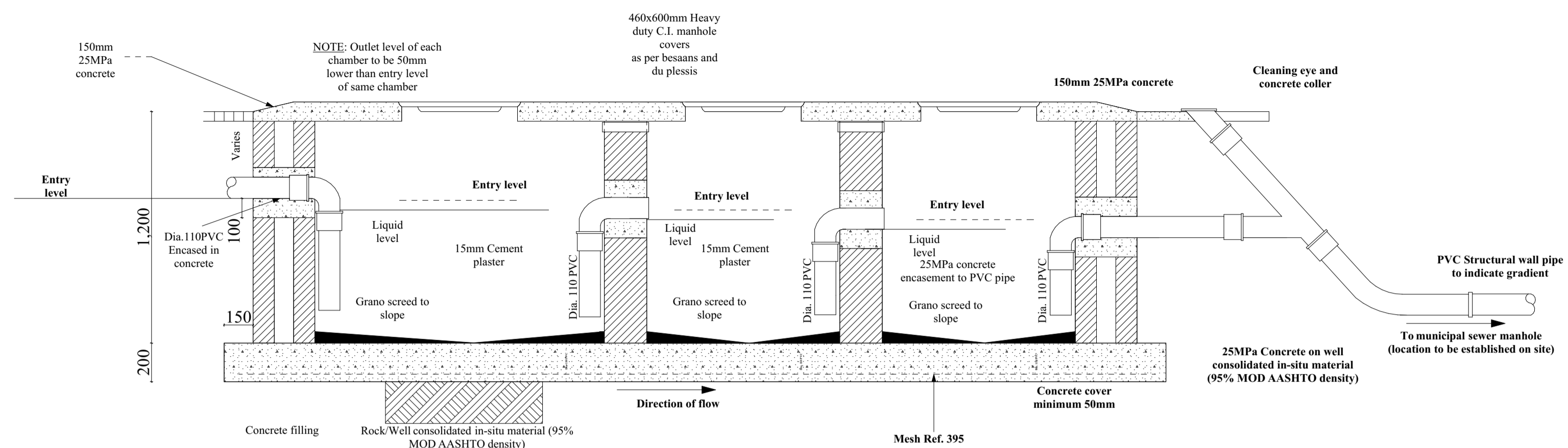
Drawn by  
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Registration number  
**TECH 523, PE2003004(TR)**

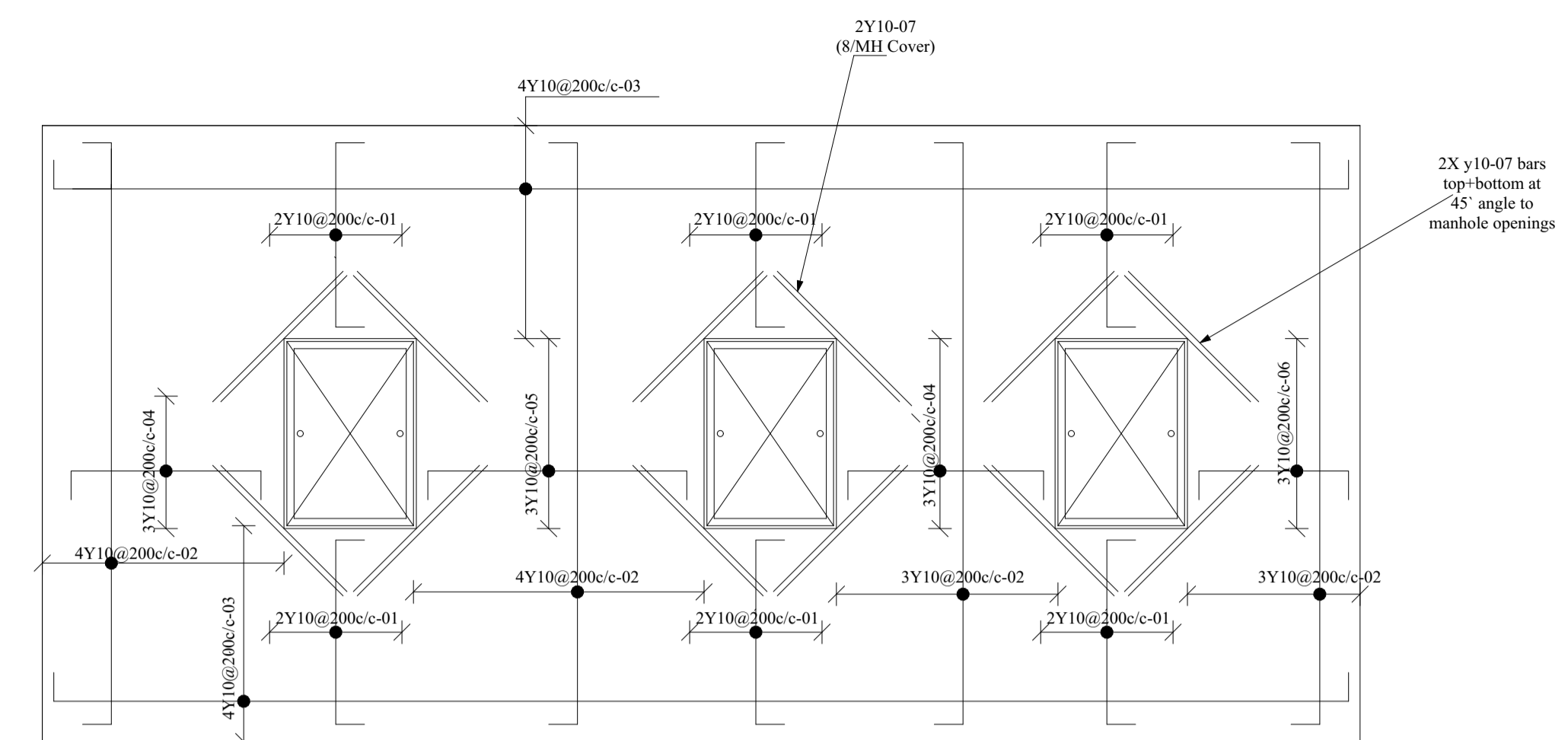
Date  
**OCTOBER 2022**

Scale  
**AS SHOWN**

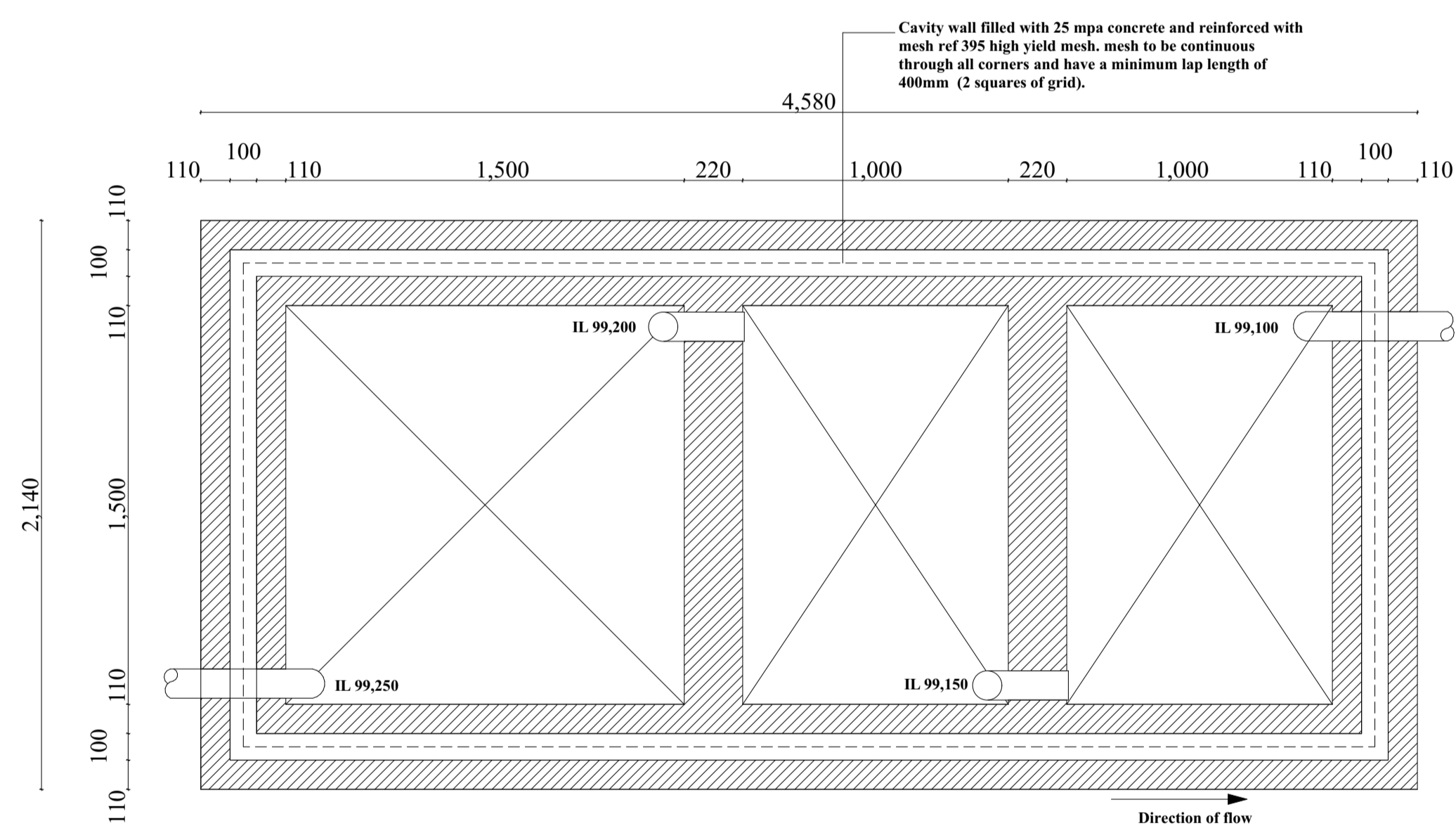
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	Sheet number <b>4</b>



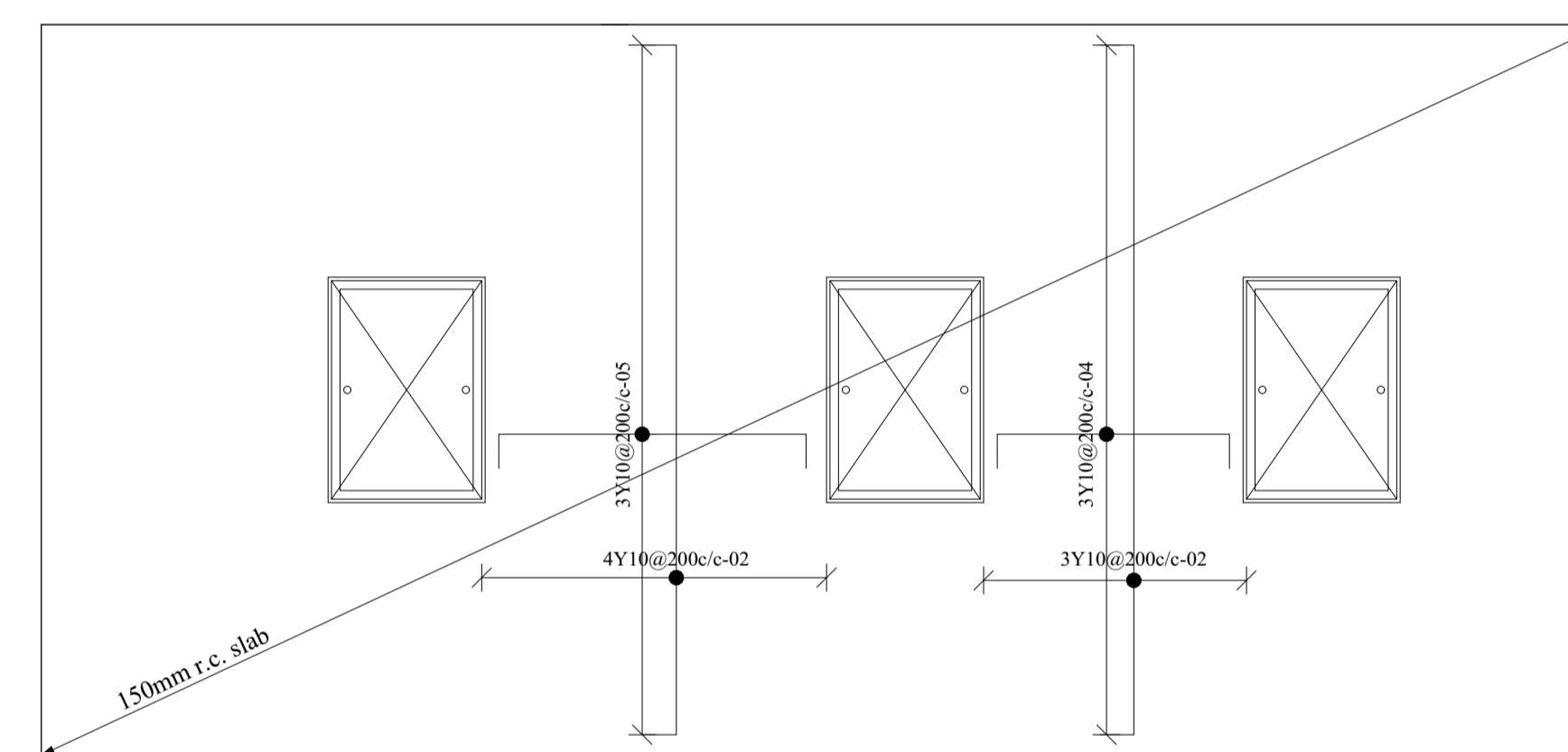
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Scale 1:20



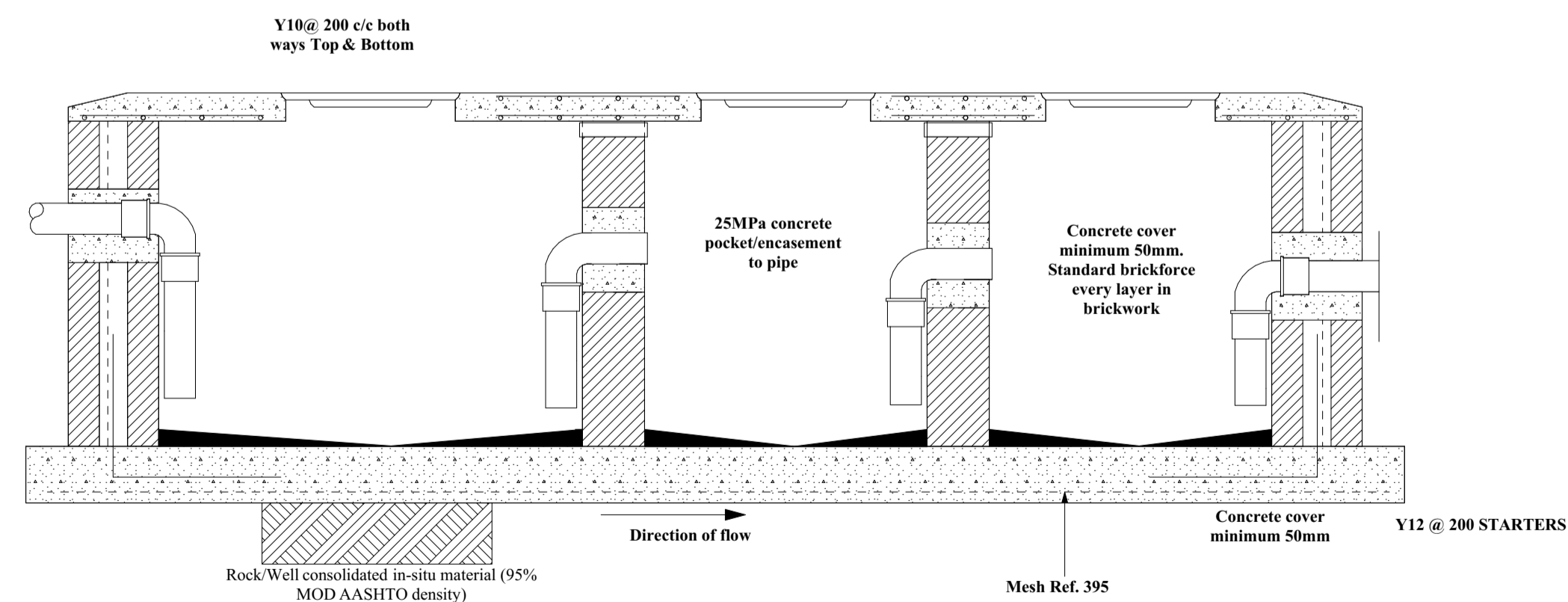
OIL INTERCEPTOR  
BOTTOM REINFORCEMENT PLAN  
Scale 1:20



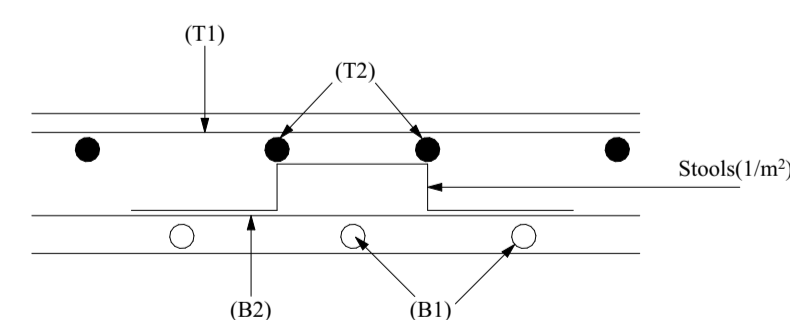
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Scale 1:20



OIL INTERCEPTOR  
TOP REINFORCEMENT PLAN  
Scale 1:20



OIL INTERCEPTOR: SECTION  
Scale 1:20



BENDING SCHEDULE - OIL INTERCEPTOR											
Mark on Bar	Dia.	No	Length	SC	A	B	C	D	E	c/c	Kg
01	Y10	12	850	35	650					200	6.3
02	Y10	21	2440	35	2240					200	31.6
03	Y10	8	4680	35	4480					200	23.1
04	Y10	9	860	35	660					200	4.8
05	Y10	6	1110	35	910					200	4.1
06	Y10	3	690	35	490					200	1.3
07	Y10	24	700	20	700					200	10.3
08	R8	4	1020	83	300	60	300			1/m²	1.6
Min. Cover: 50			Min. lap length: 500			TOT kg:		84			

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Designed by:



BUILDING DESIGN AND CONSTRUCTION DEPARTMENT  
Email: arteu.namibia@gmail.com  
Phone: +264 81 205 9565  
P.O BOX 24975 Windhoek

Quantity surveyor:

Mechanical & Electric Engineer:

Structural Engineer:

Drawing title  
**OIL INTERCEPTOR**

Project title  
**PROPOSED NEW FILLING STATION AT DRIMIOPSIS**

Client  
**KATJIRUA-BREAD INVESTMENTS cc**  
**PO BOX 1248 GOBABIS**  
Cell: +264 81 424 2105  
Email: katjirua007@gmail.com

Drawn by  
**ARTHUR APALLE**

Registration number  
**TECH 523, PE2003004(TR)**

Date  
**OCTOBER 2022**

Scale  
**AS SHOWN**

Project number <b>2022-45</b>	Drawing number <b>045-1</b>
	Sheet number <b>5</b>

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Phone: +264 81 205 9565  
P.O BOX 24975 Windhoek

Quantity surveyor:

Mechanical & Electric Engineer:

Structural Engineer:

Drawing title  
**TANK DETAILS**

Project title  
**PROPOSED NEW FILLING STATION AT DRIMIOPSIS**

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**KATJIRUA-BREAD INVESTMENTS cc**  
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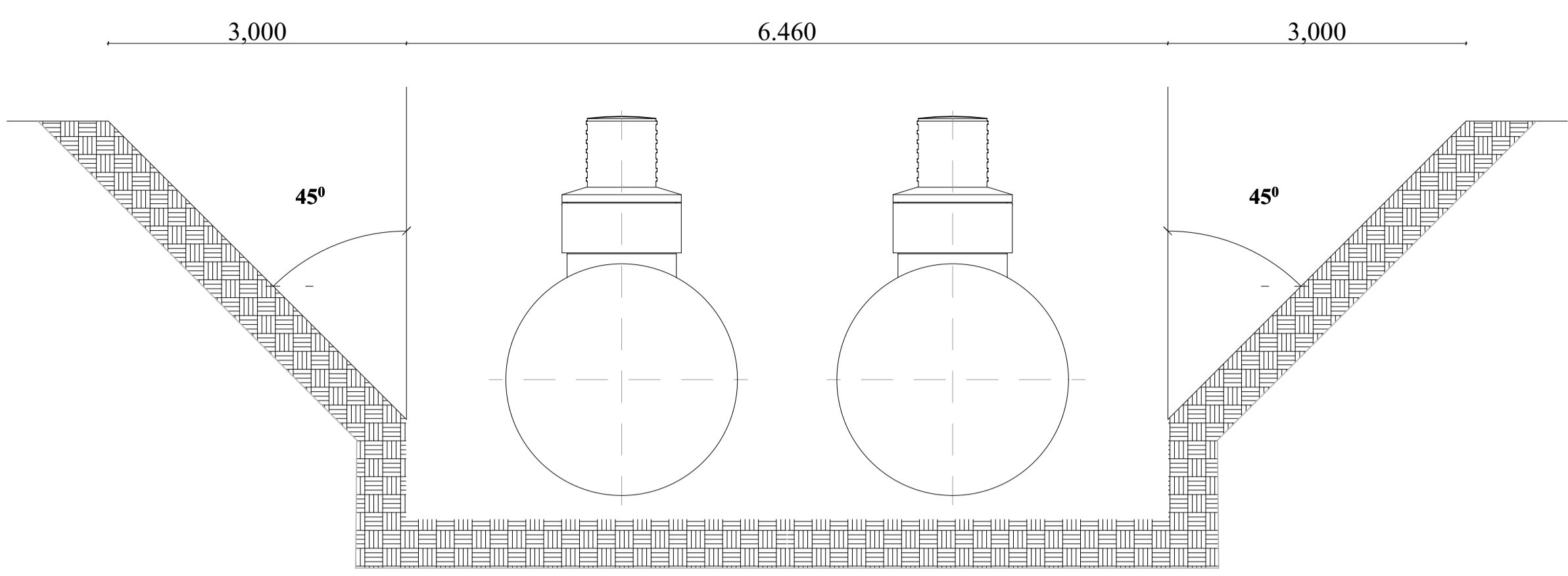
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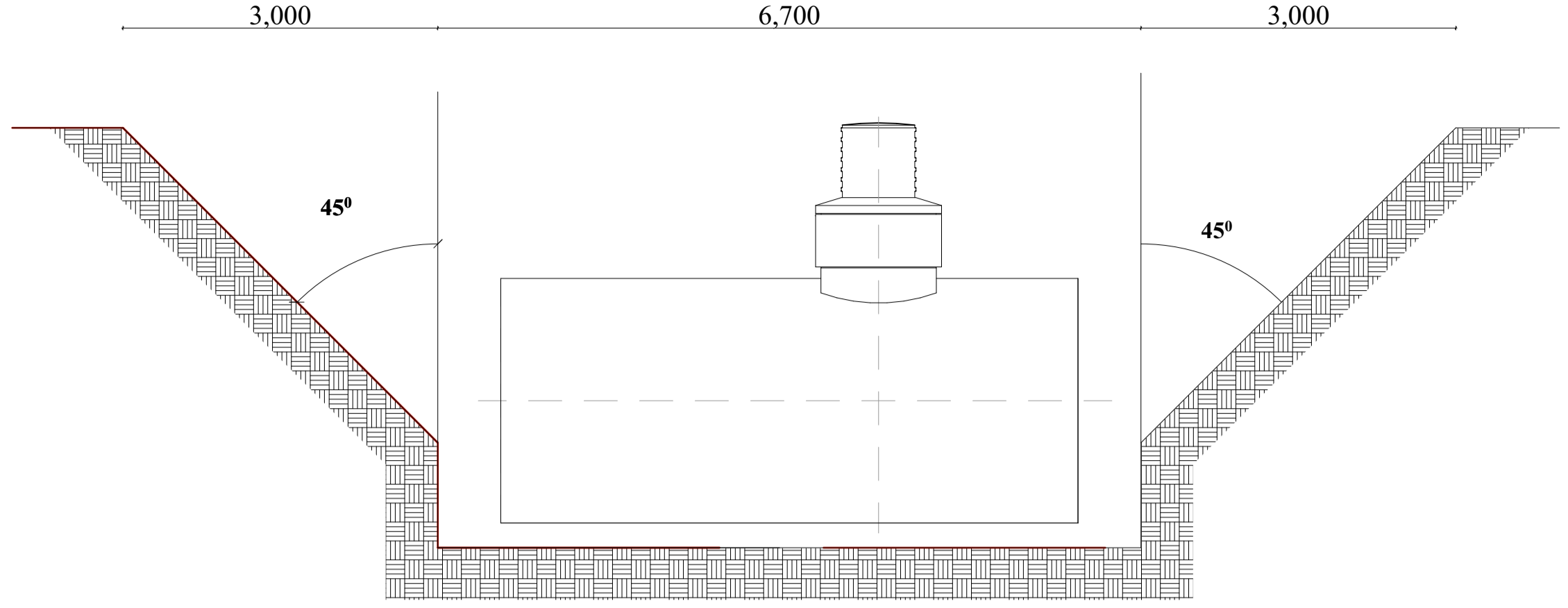
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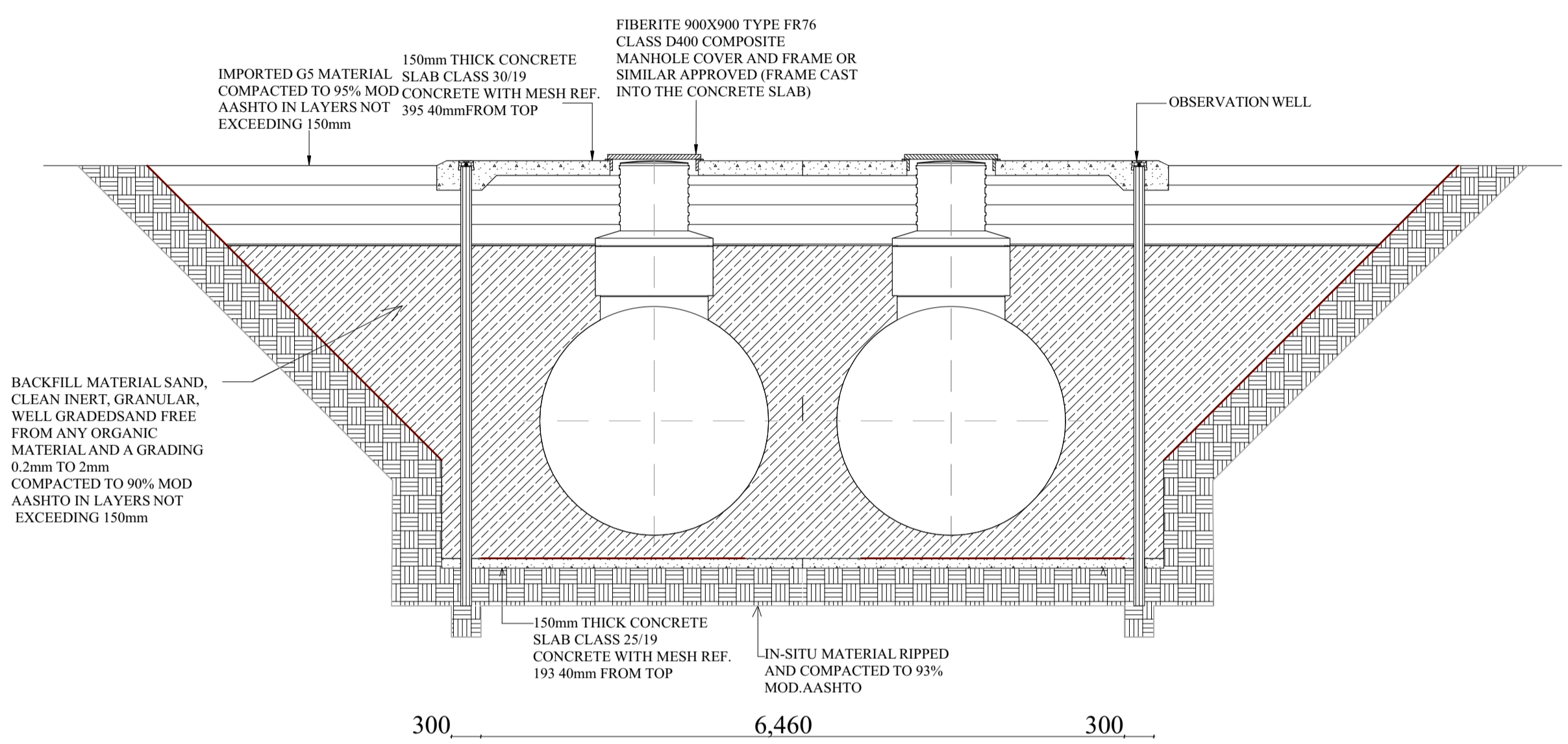
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	Sheet number <b>6</b>



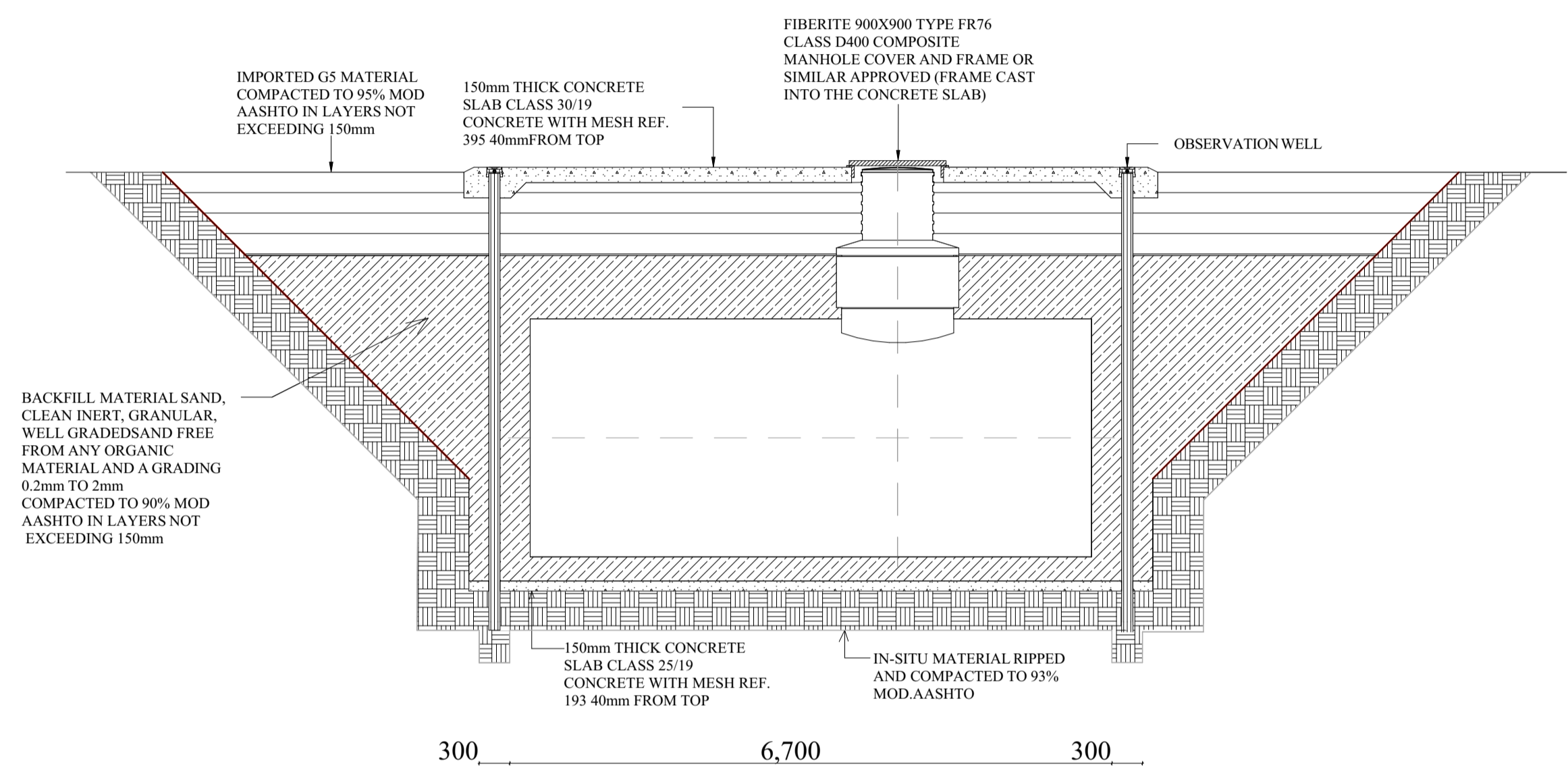
**TANK PLAN SECTION C-C**  
Scale 1:50



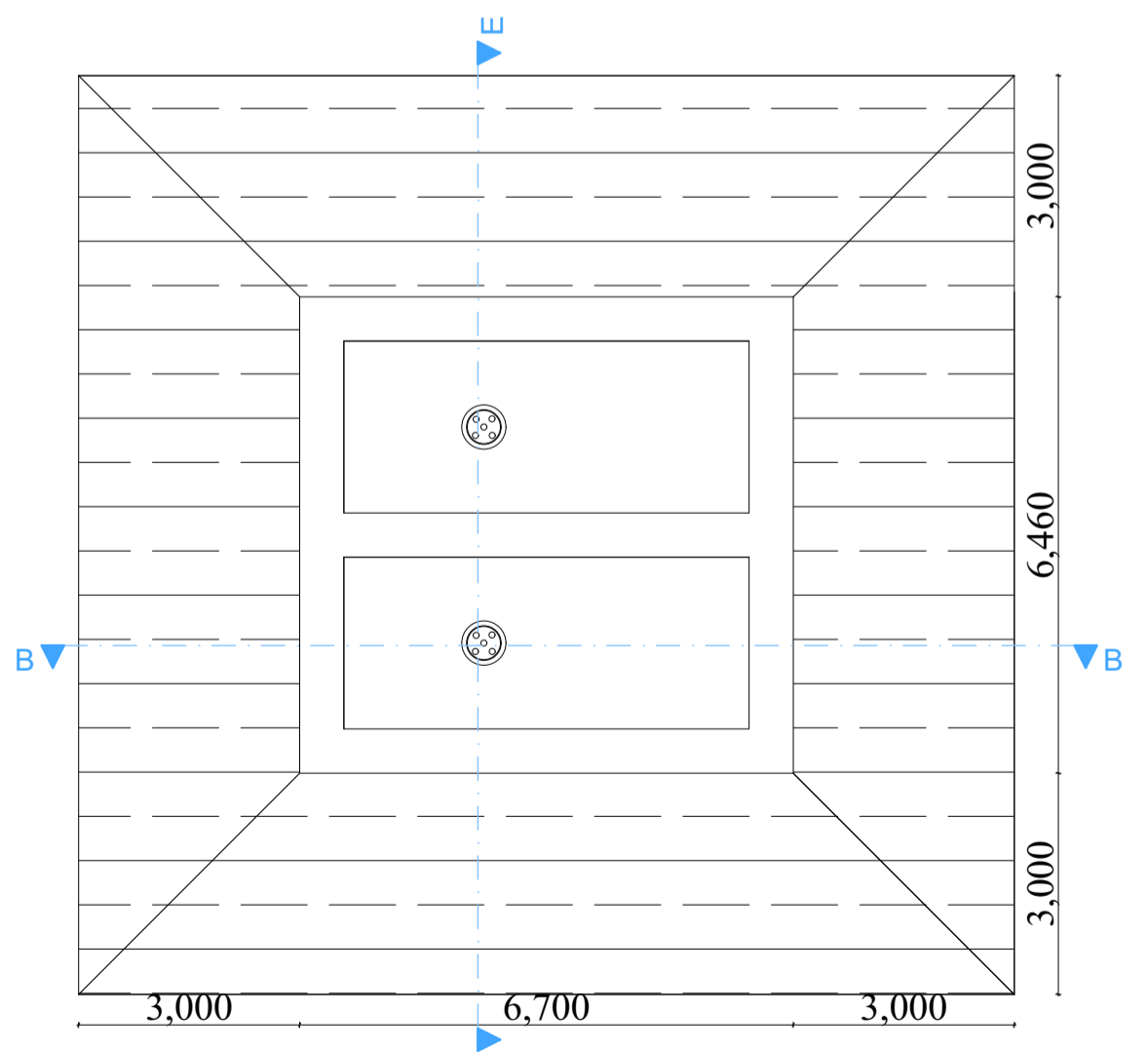
**TANK PLAN SECTION D-D**  
Scale 1:50



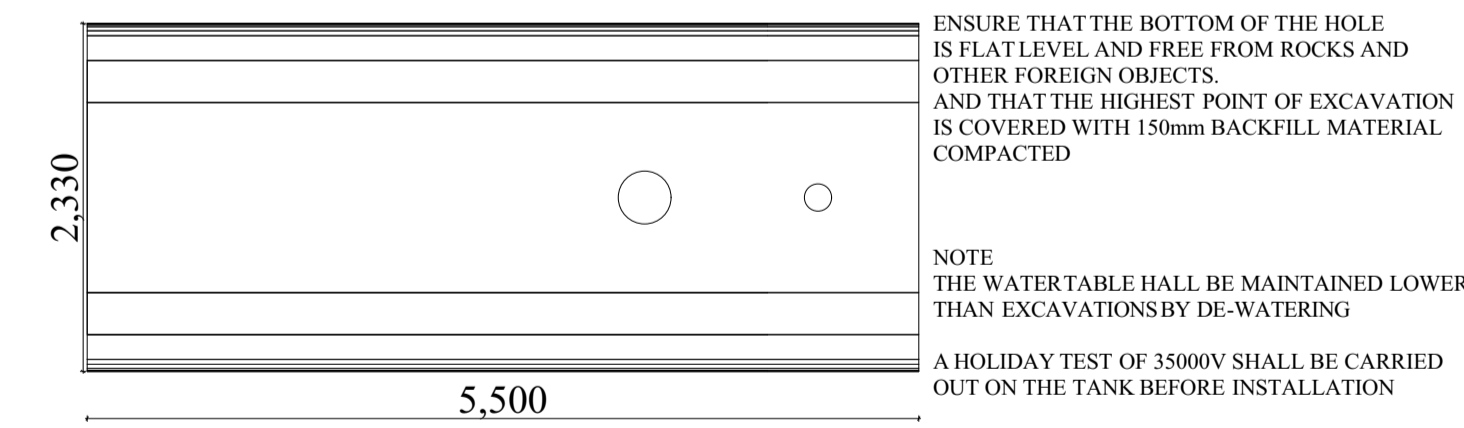
**TANK SLAB SECTION E-E**  
Scale 1:50



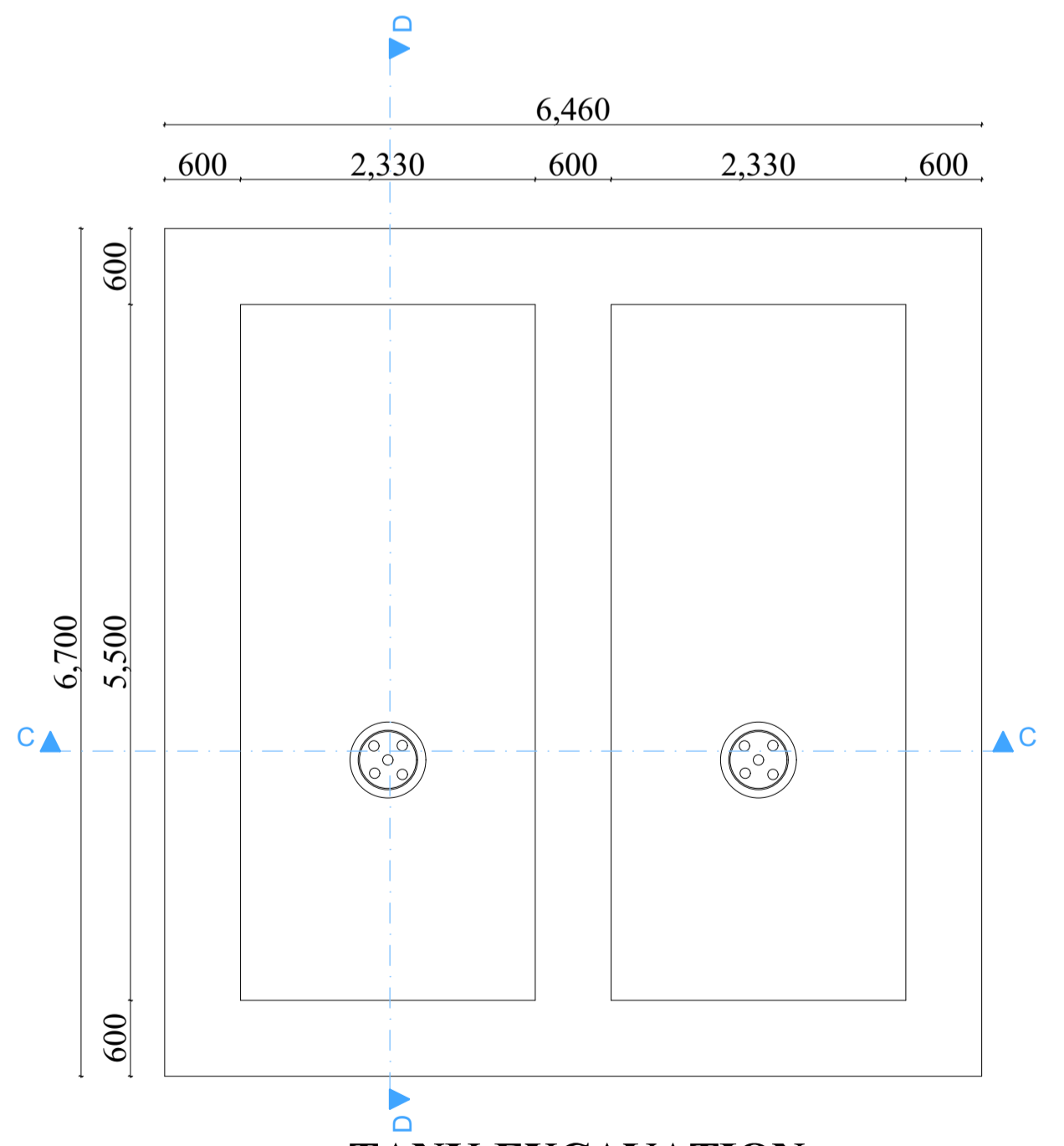
**TANK SLAB SECTION B-B**  
Scale 1:50



**TANK EXCAVATION LAYOUT**  
Scale 1:100



**TYPICAL PLAN - FUEL TANK**



**TANK EXCAVATION LAYOUT**  
Scale 1:50