

**NOTE**  
 1. ALL LEVELS SHOWN ARE IN METERS.  
 2. ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL.  
 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.  
 4. ALL GRAVITY DRAINAGE PIPES SHALL BE HDPE TO BS EN 1519: 2000.

**LEGEND**

	800mm x 600 mm Box Culvert	- 150 m
	200mm Ø HDPE Gravity Drainage (PN8, SDR41)	- 150 m
	350 mm Ø HDPE Pump Outfall Pipe (PN8, SDR41)	- 180 m
	350mm Ø HDPE Gravity Drainage Main (PN8, SDR41)	- 400 m
	350mm Ø HDPE Gravity Drainage Main (PN8, SDR41)	- 40 m
	600mm x 600mm Manholes	- 7 nos
	Curb Drains	- 34 nos

 **PRIMARY BENCH MARKS**  
 PSM 0001; 307851.833E, 636637.696N, 1.147Z



**N.HOLHUDHOO NETWORK LAYOUT**  
 SCALE 1:2250



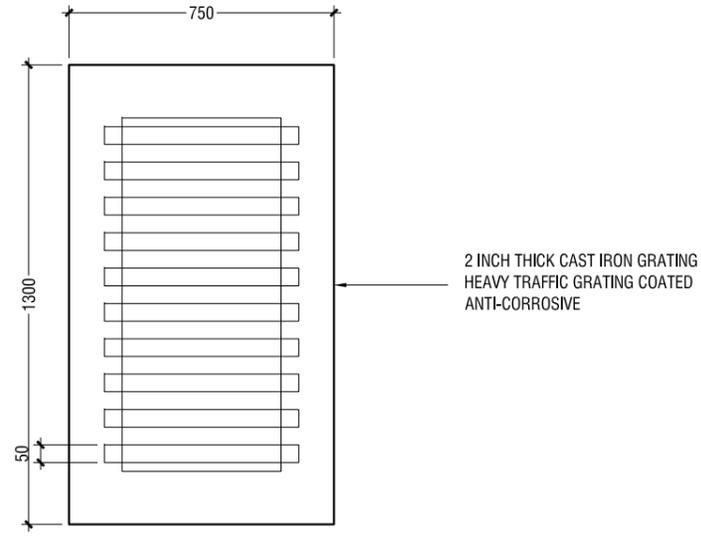
CONSULTANCY SERVICES FOR FLOOD MITIGATION IN N.HOLHUDHOO  
 CLIENT: MINISTRY OF ENVIRONMENT AND ENERGY

PROJECT NUMBER: -  
 DATE: -  
 ENGINEER: -  
 CHECKED BY: -  
 DRAWN BY: -

Rev no	Date
-	-
-	-
-	-

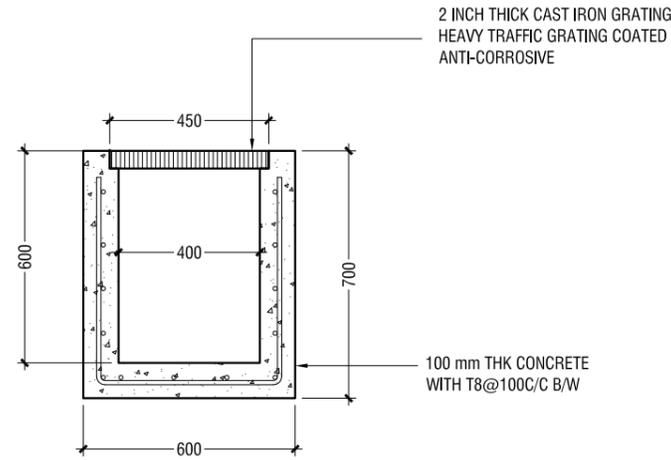


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2 INCH THICK CAST IRON GRATING  
HEAVY TRAFFIC GRATING COATED  
ANTI-CORROSIVE

**PLAN**

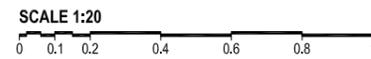


2 INCH THICK CAST IRON GRATING  
HEAVY TRAFFIC GRATING COATED  
ANTI-CORROSIVE

100 mm THK CONCRETE  
WITH T8@100C/C B/W

**SECTION**

**DRAINAGE PIT DETAIL**



**N.HOLHUDHOO**  
Client: Ministry of Environment and Energy

Project Number : -  
Date: December 2017  
Architect : -  
Engineer : -  
Drawn by :  
Services :  
Interior : -

Rev no	Date
-	-
-	-
-	-

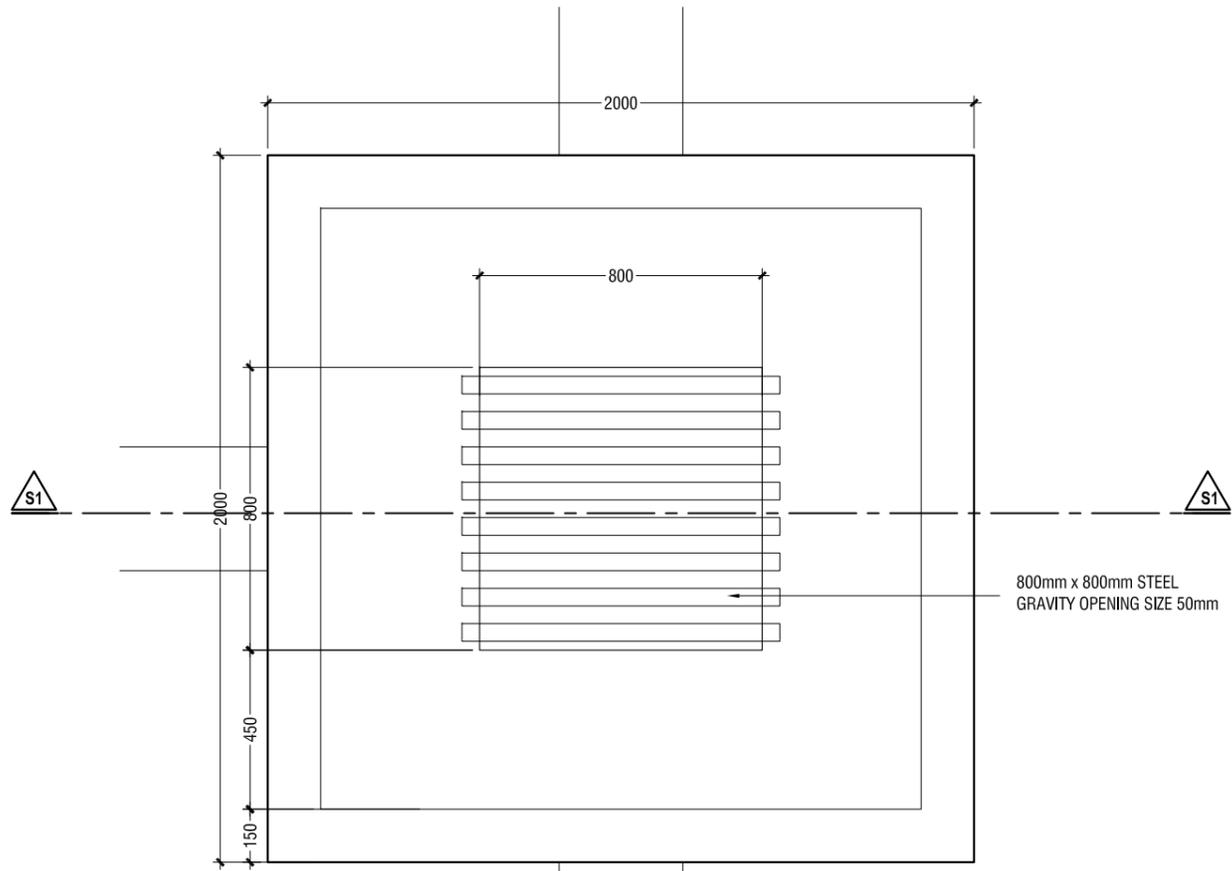


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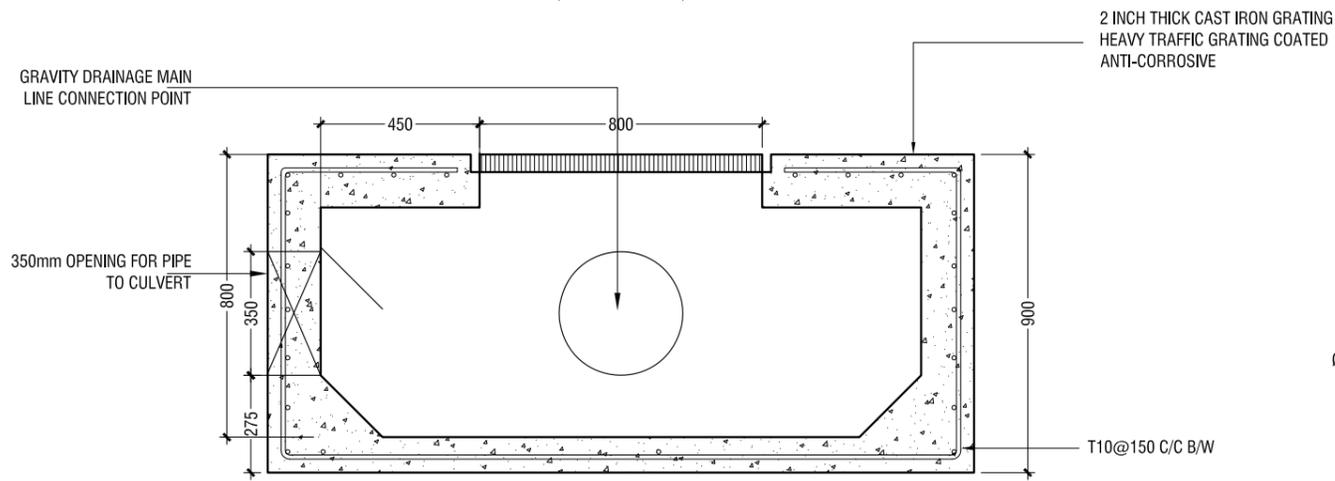
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w : www.riyan.com.mv  
3rd floor, H. Azum, Ameeremaggu, Male'

Title: Drainage pit detail

Page: A -01/05



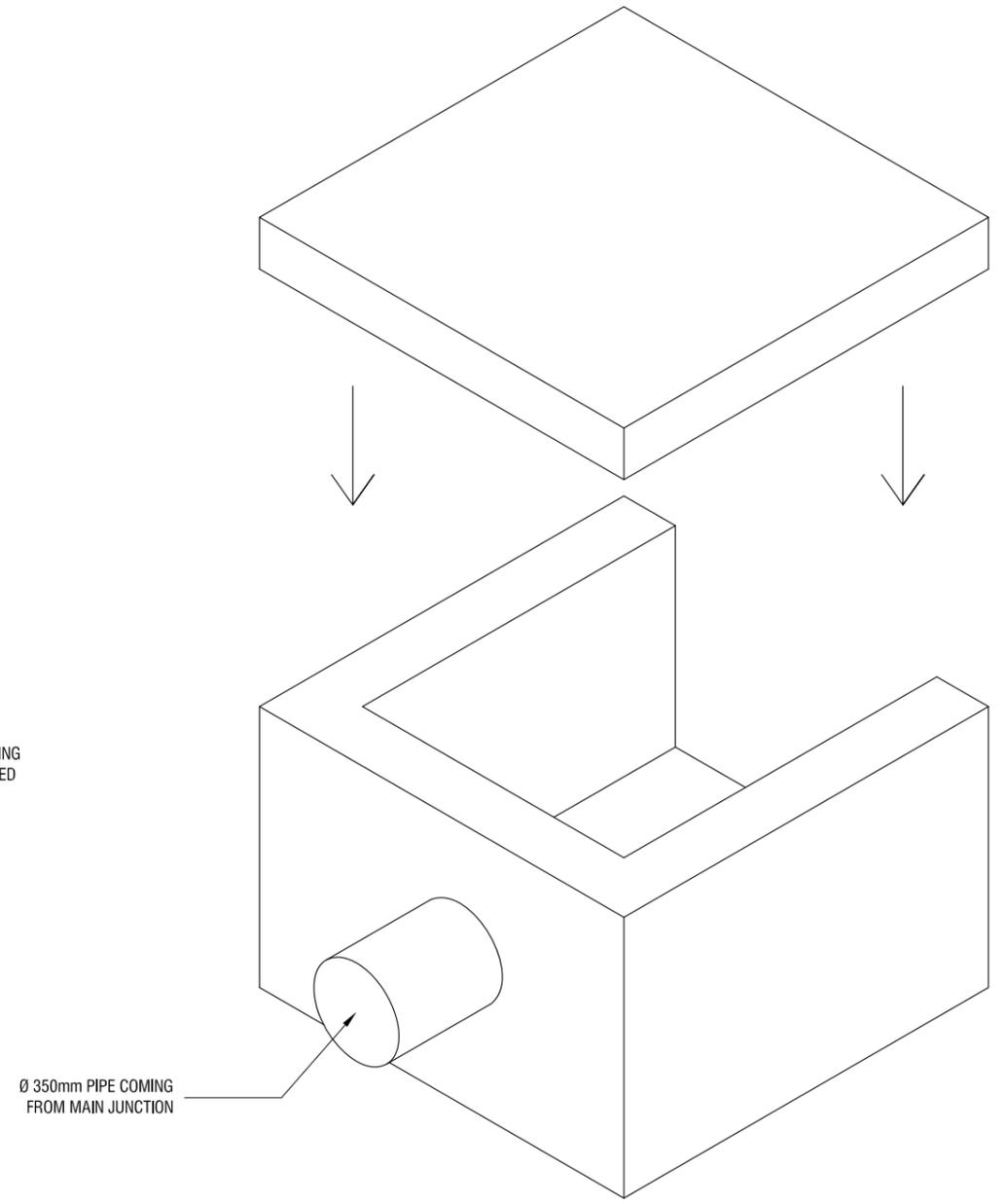
**PLAN**



**SECTION S1-S1**

**MAIN DRAINAGE JUNCTION BOX**

SCALE 1:20



**CULVERT STARTING POINT**

**N.HOLHUDHOO**  
 Client: Ministry of Environment and Energy

Project Number	Date	Rev no	Date
-	December 2017	-	-
Architect	-	Engineer	-
Drawn by	-	Services	-
Interior	-		



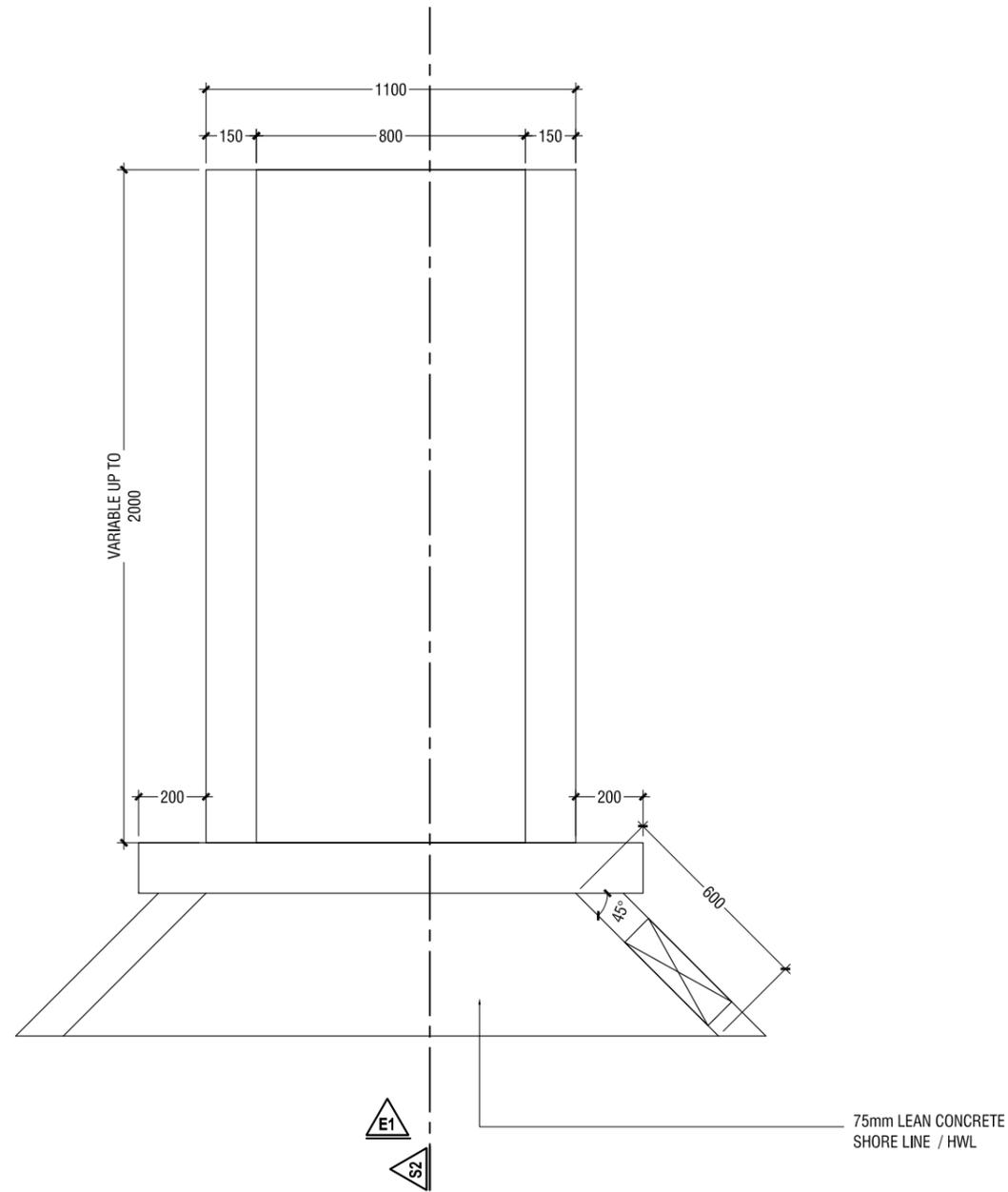
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Title: Drainage pit detail

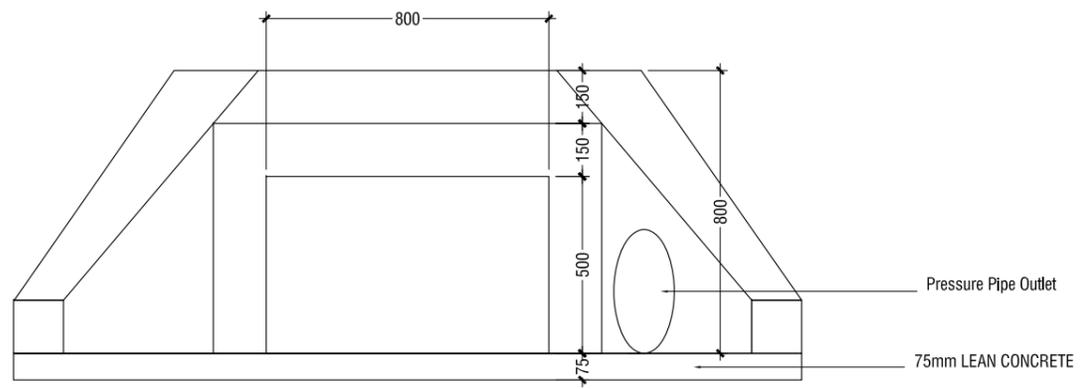
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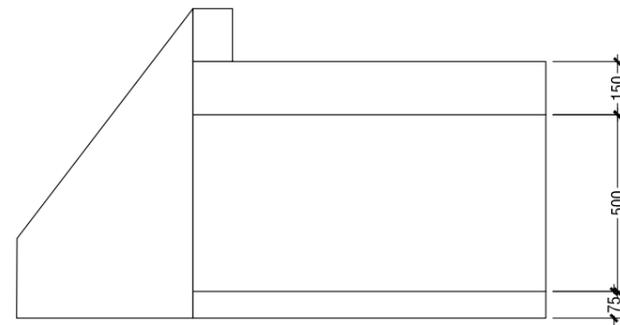
**CULVERT PLAN**

SCALE 1:20



**ELEVATION E1**

SCALE 1:20



**SECTION S2-S2**

SCALE 1:20

**OUTFALL**

**N.HOLHUDHOO**  
 Client: Ministry of Environment and Energy  
 Project Number: -  
 Date: December 2017  
 Architect: -  
 Engineer: -  
 Drawn by: -  
 Services: -  
 Interior: -

Rev no	Date
-	-
-	-
-	-



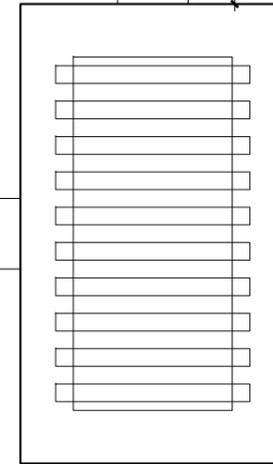
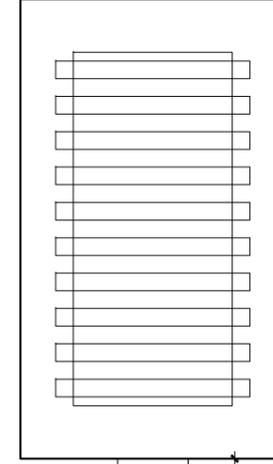
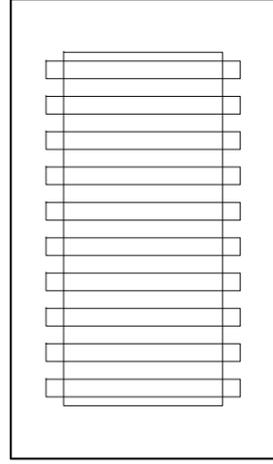
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Title: Culvert detail

Page: A -03/05

PLOT BOUNDARY



5000

Ø350 mm SEWER LINE

Ø350 mm DRAINAGE MAIN

VARIABLE DEPENDING ON SEWER LINE

NOTE:  
 IF THERE IS COINCIDING INVERT LEVELS  
 FOR DRAINAGE PIPE AND EXISTING SEWER  
 LINES, MOVE THE DRAINAGE ON ONE SIDE  
 TO A POSITION WITH LOWER SEWER IL.

### ATYPICAL ROAD PLAN

PLOT BOUNDARY

**N.HOLHUDHOO**

Client: Ministry of Environment and Energy

Project Number: -

Date: December 2017

Architect: -

Engineer: -

Drawn by: -

Services: -

Interior: -



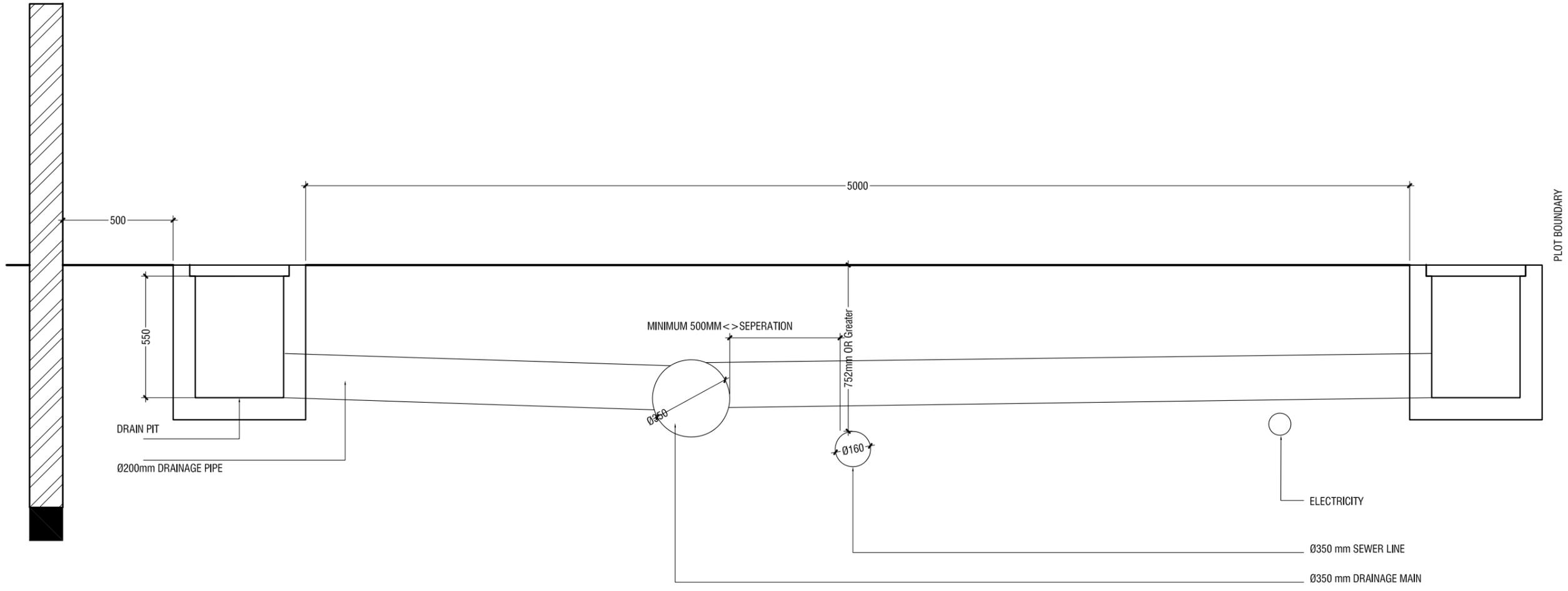
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Title: Ground & 1st Floor

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**TYPICAL ROAD SECTION**

**N.HOLHUDHOO**  
 Client: Ministry of Environment and Energy  
 Project Number: -  
 Date: December 2017  
 Architect: -  
 Engineer: -  
 Drawn by: -  
 Services: -  
 Interior: -

Rev no	Date
-	-
-	-
-	-



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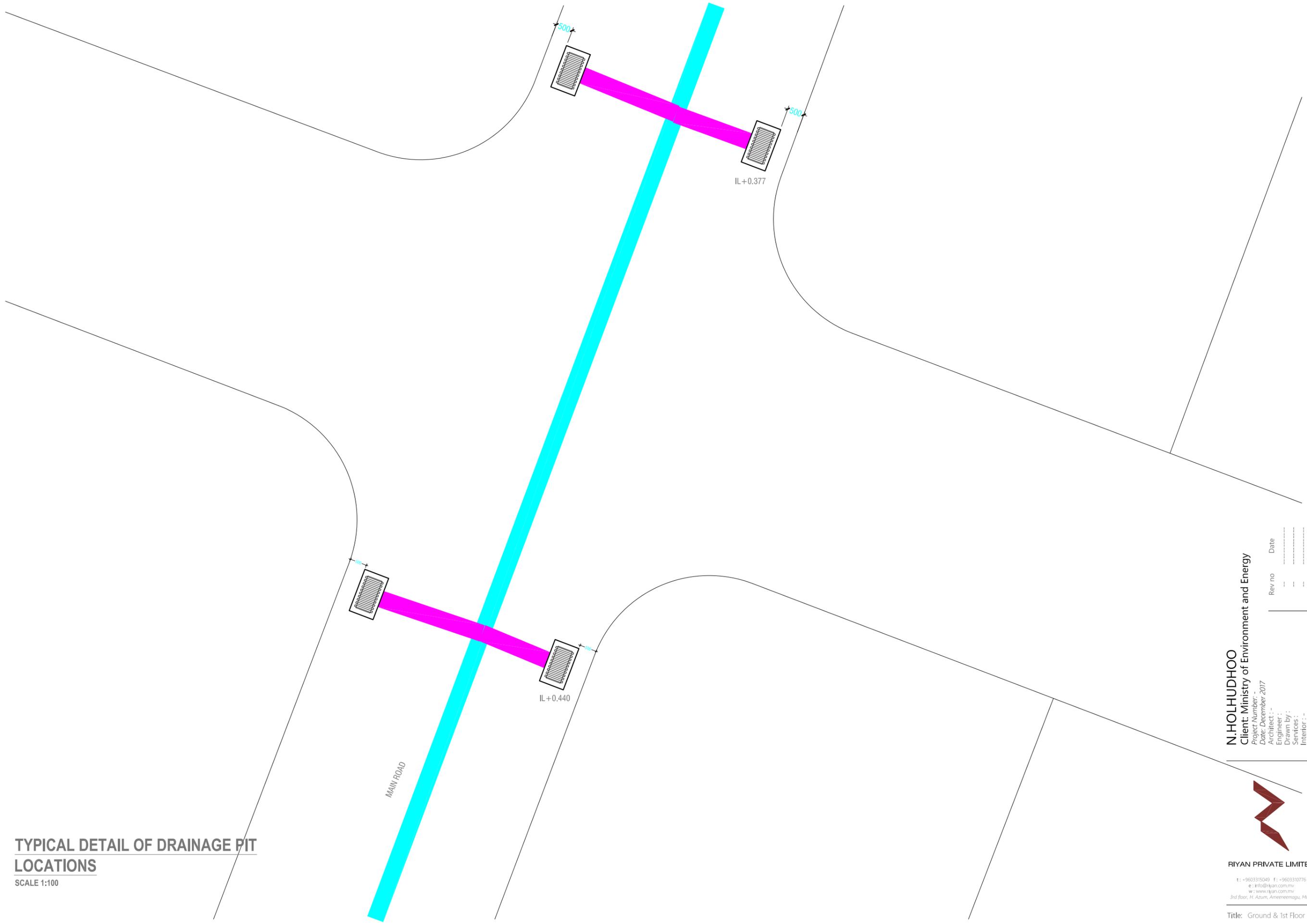
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Title: Ground & 1st Floor

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**TYPICAL DETAIL OF DRAINAGE PIT LOCATIONS**  
SCALE 1:100



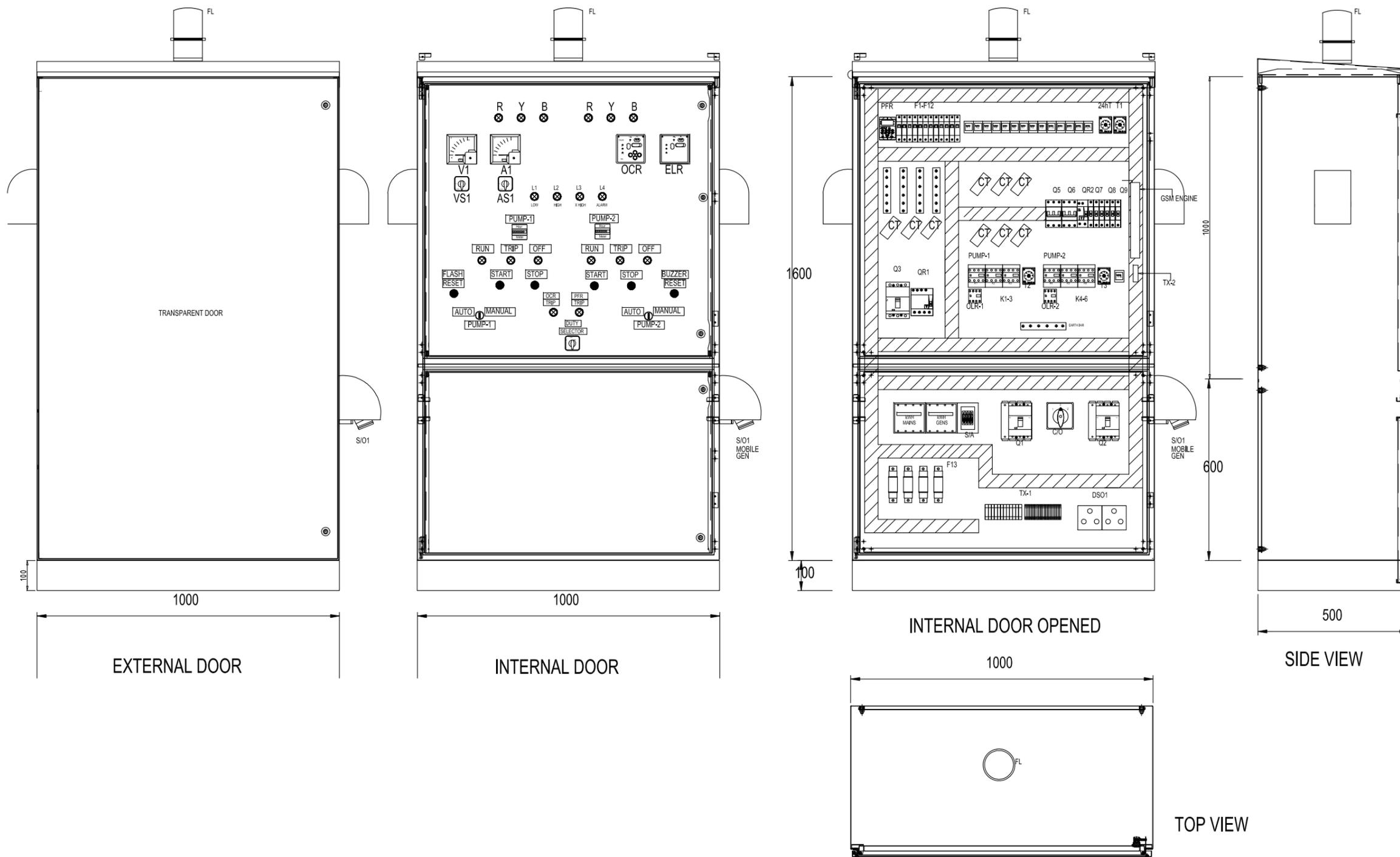
**N.HOLHUDHOO**  
Client: Ministry of Environment and Energy  
Project Number: -  
Date: December 2017  
Architect: -  
Engineer: -  
Drawn by: -  
Services: -  
Interior: -

Rev no	Date
-	-
-	-
-	-

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Title: Ground & 1st Floor  
Page: A -04/05

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## TYPICAL DETAIL FOR PUMP STATION CONTROL PANEL

**N.HOLHUDHOO**  
 Client: Ministry of Environment and Energy  
 Project Number: -  
 Date: December 2017  
 Architect: -  
 Engineer: -  
 Drawn by: -  
 Services: -  
 Interior: -

Rev no	Date
-	-
-	-
-	-



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