

EMBASSY STORM DRAINAGE UPGRADE

US EMBASSY COMPOUND
PANTAI KELAPA, DILI, TIMOR LESTE



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LEGEND	
OSD	OPEN STORMWATER DRAIN
CSD	COVERED STORMWATER DRAIN
PSDP	uPVC STORMWATER DRAIN PIPE
	CSD
	OSD
	PSDP
	HT HOLDING TANK
	GRASS
HT	HOLDING TANK
	EXISTING BUILDING

- | | | | |
|----|--------------------|----|--------------------------|
| 1 | CMR | 19 | DECONTAMINATION FACILITY |
| 2 | CAC | 20 | FAC OFFICE 1 |
| 3 | CHANCERY | 21 | FAC OFFICE 2 |
| 4 | ANNEX | 22 | FUEL STORAGE |
| 5 | BACK BUILDING A | 23 | GARDENER STORAGE |
| 6 | BACK BUILDING B | 24 | LGf OFFICE |
| 7 | WAREHOUSE | 25 | MAIN FUEL TANK |
| 8 | MEDICAL UNIT | | |
| 9 | MOTOR POOL | | |
| 10 | TENNIS BUILDING | | |
| 11 | IT STORAGE | | |
| 12 | CARPENTRY SHOP | | |
| 13 | UTILITIES BUILDING | | |
| 14 | GYM | | |
| 15 | TENNIS COURT | | |
| 16 | BASKETBALL COURT | | |
| 17 | PLAYGROUND | | |
| 18 | SWIMMING POOL | | |

NOTES:
1. ALL LINEAR MEASUREMENTS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. ALL EXISTING OPEN AND COVERED STORMWATER DRAIN SHALL REMAIN.

Rev. Number Description:

Date:

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Release for Construction:

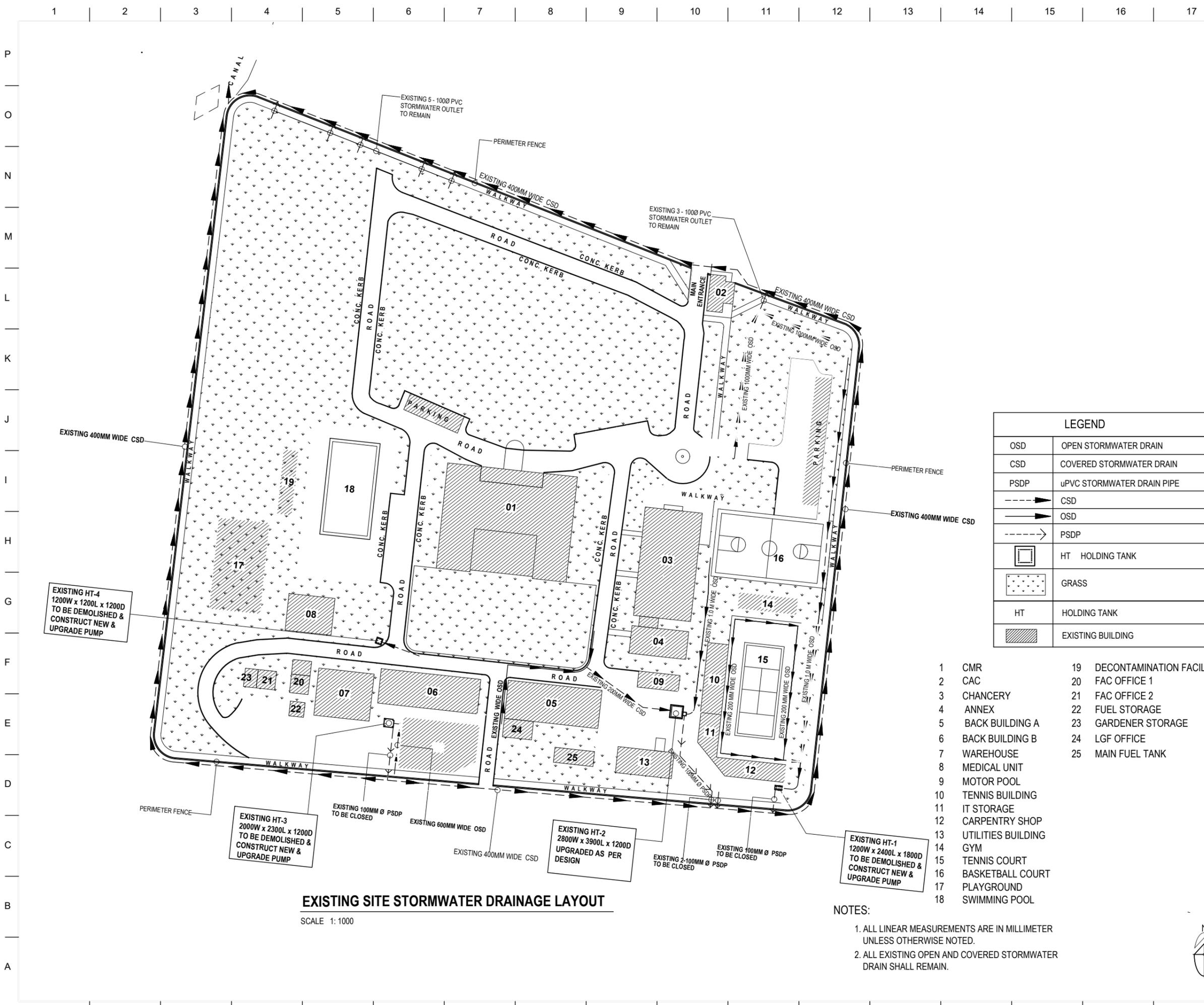
Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
EXISTING SITE STORMWATER DRAINAGE LAYOUT

CBC Project Number: Phase:
Drawing Scale: 1:1000 35% 60% 100%

Drawn By: MDC	Sheet Number: 01/16
Checked By: MMP	
Date: 15MAY2020	Classification: Sensitive but Unclassified

EXISTING SITE STORMWATER DRAINAGE LAYOUT
SCALE 1:1000





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Date:



Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
TOPOGRAPHIC SURVEY

CBC Project Number: Phase:
Drawing Scale: 1:1000 35% 60% 100%

Drawn By: MDC
Checked By: MMP
Sheet Number: 02/16

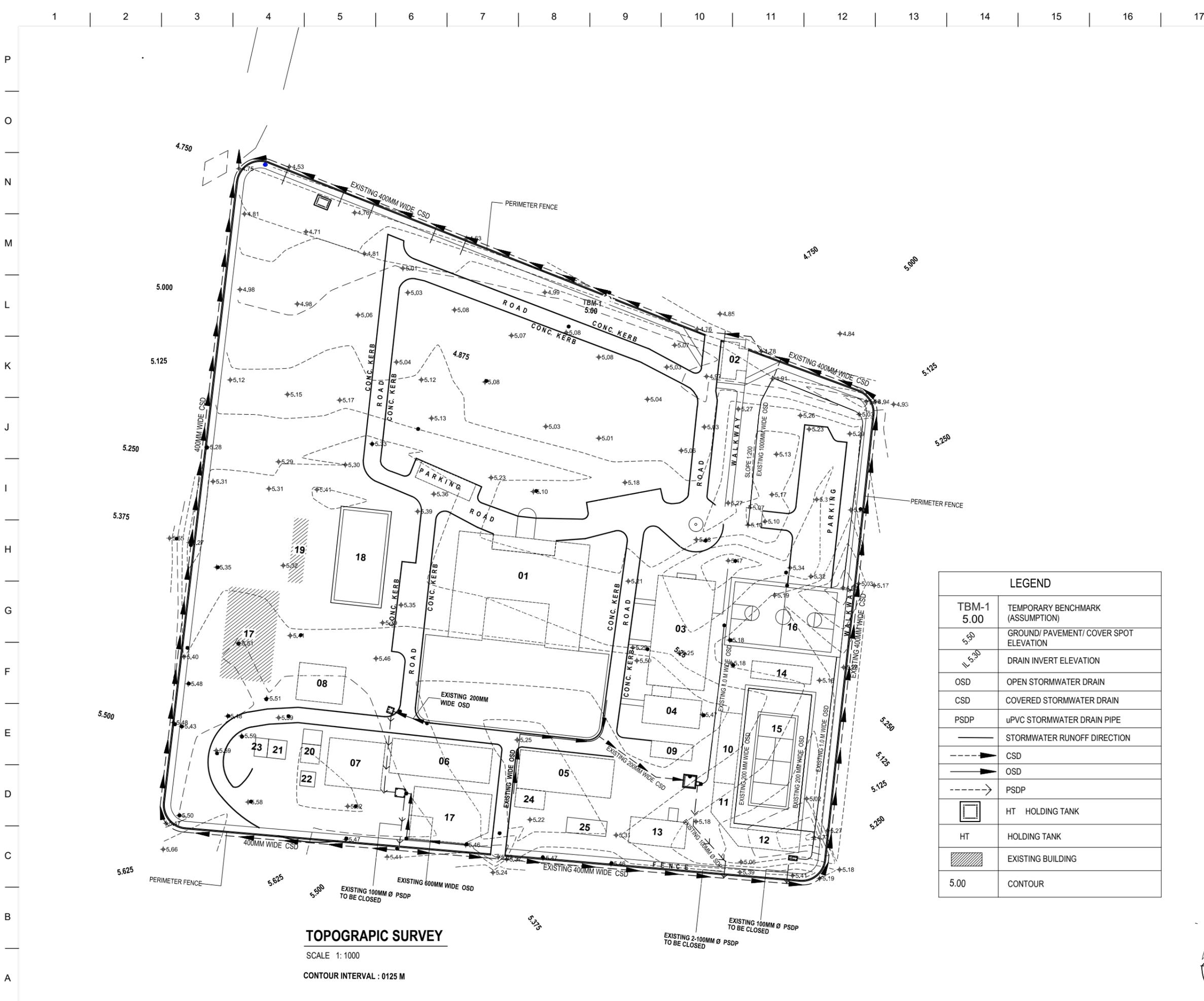
Date: 15MAY2020
Classification: Sensitive but Unclassified

LEGEND	
TBM-1 5.00	TEMPORARY BENCHMARK (ASSUMPTION)
5.30	GROUND/ PAVEMENT/ COVER SPOT ELEVATION
IL 5.30	DRAIN INVERT ELEVATION
OSD	OPEN STORMWATER DRAIN
CSD	COVERED STORMWATER DRAIN
PSDP	uPVC STORMWATER DRAIN PIPE
	STORMWATER RUNOFF DIRECTION
	CSD
	OSD
	PSDP
	HT HOLDING TANK
HT	HOLDING TANK
	EXISTING BUILDING
5.00	CONTOUR

TOPOGRAPHIC SURVEY

SCALE 1:1000

CONTOUR INTERVAL : 0125 M





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LEGEND	
TBM-1 5.00	TEMPORARY BENCHMARK (ASSUMPTION)
5.50	GROUND/ PAVEMENT/ COVER SPOT ELEVATION
IL 5.50	DRAIN INVERT ELEVATION
OSD	OPEN STORMWATER DRAIN
CSD	COVERED STORMWATER DRAIN
PSDP	uPVC STORMWATER DRAIN PIPE
	STORMWATER RUNOFF DIRECTION
	CSD
	OSD
	SDPP
	HT HOLDING TANK
	GRASS
	EXISTING BUILDING
5.00.....	CONTOUR

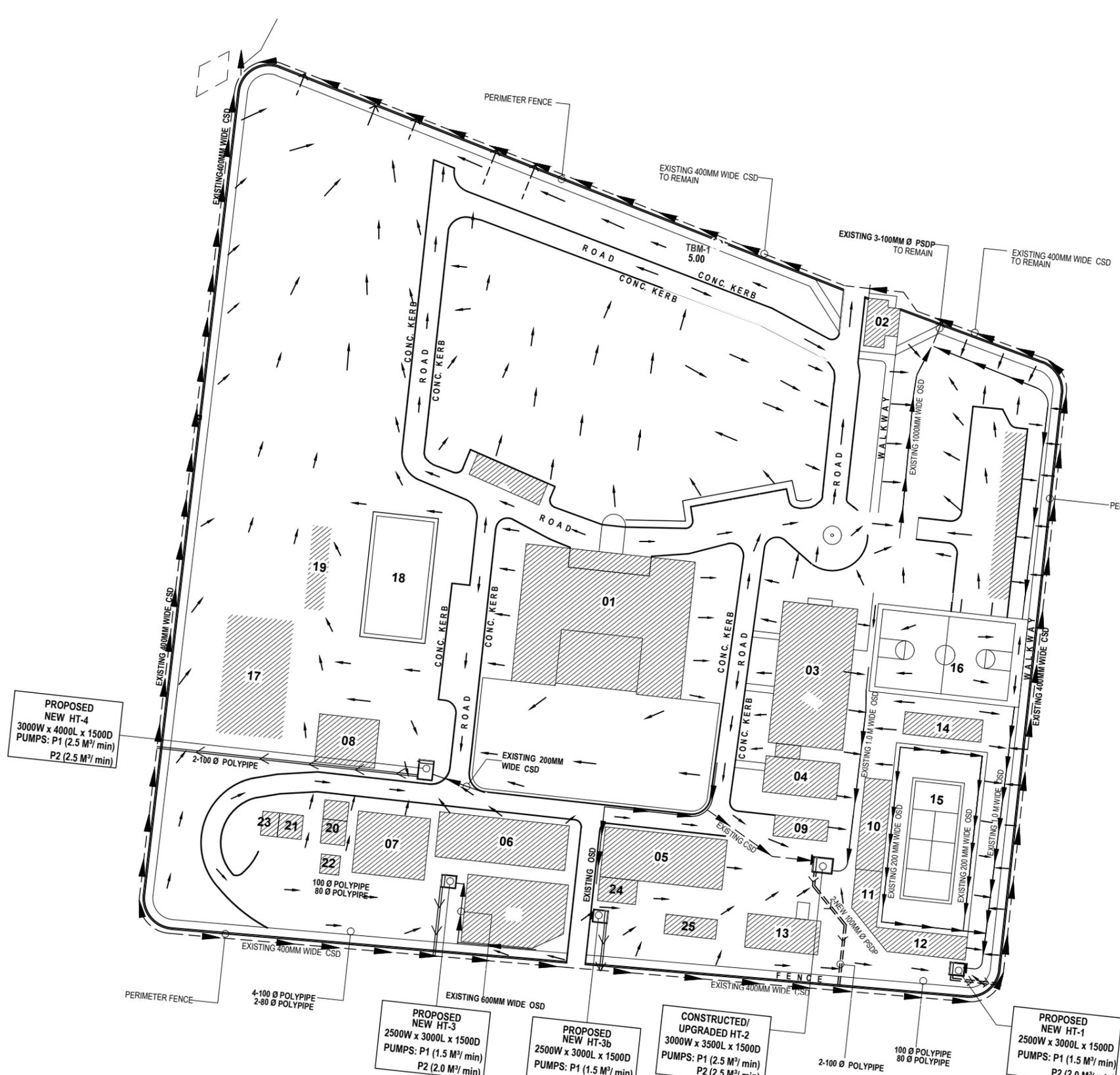
- | | | | |
|----|--------------------|----|--------------------------|
| 1 | CMR | 19 | DECONTAMINATION FACILITY |
| 2 | CAC | 20 | FAC OFFICE 1 |
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| 8 | MEDICAL UNIT | | |
| 9 | MOTOR POOL | | |
| 10 | TENNIS BUILDING | | |
| 11 | IT STORAGE | | |
| 12 | CARPENTRY SHOP | | |
| 13 | UTILITIES BUILDING | | |
| 14 | GYM | | |
| 15 | TENNIS COURT | | |
| 16 | BASKETBALL COURT | | |
| 17 | PLAYGROUND | | |
| 18 | SWIMMING POOL | | |

**SITE STORMWATER RUNOFF LAYOUT
AND PROPOSED NEW HOLDING TANKS**

SCALE 1:1000

NOTES:

- ALL LINEAR MEASUREMENTS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS FOR TANKS ARE INSIDE MEASUREMENTS.



Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
SITE STORMWATER RUNOFF AND
PROPOSED NEW HOLDING TANKS

CBC Project Number: Phase:
Drawing Scale: 1:1000 35% 60% 100%

Drawn By: MDC	Sheet Number: 03/16
Checked By: MMP	

Date: 15MAY2020
Classification:
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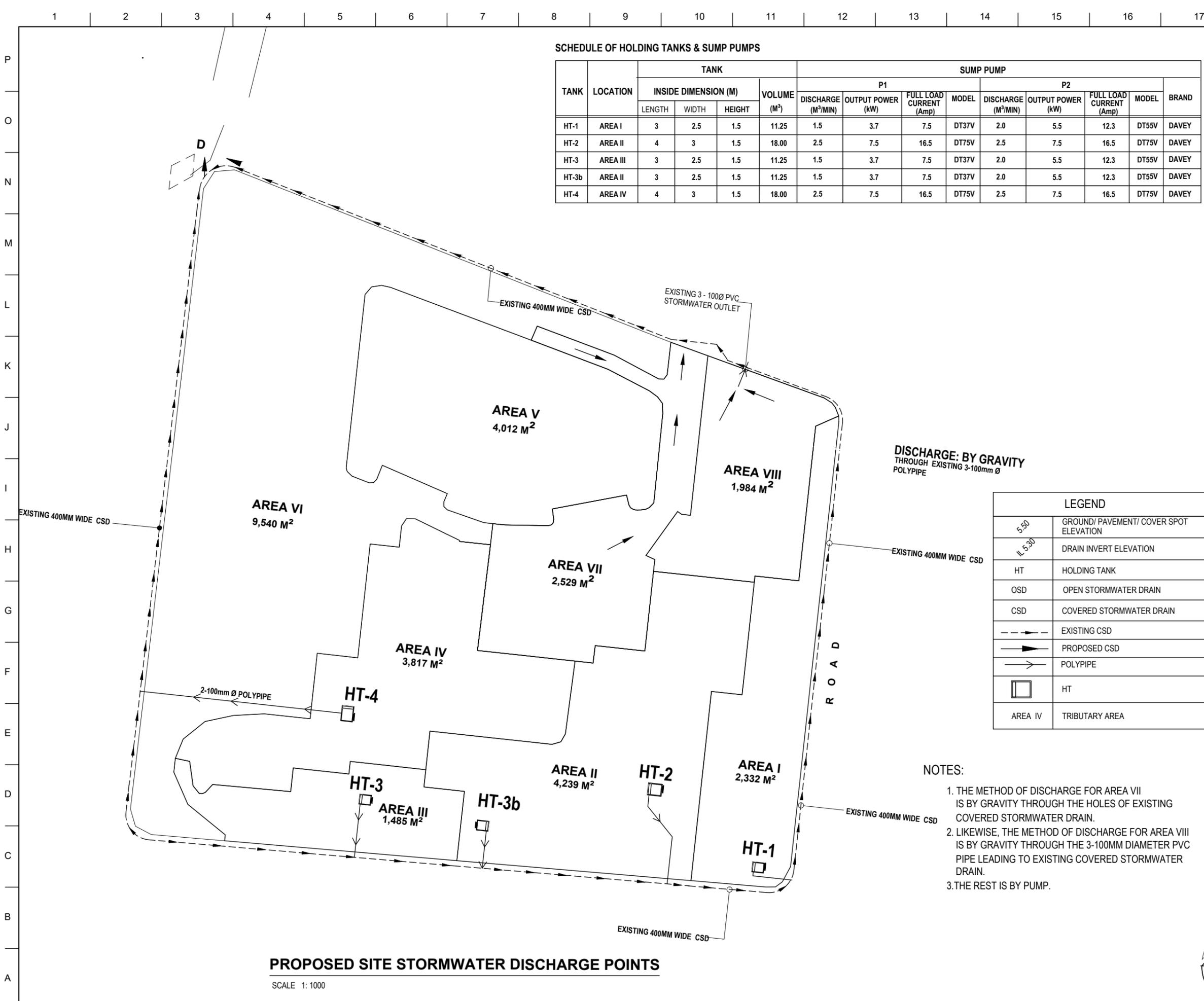
SCHEDULE OF HOLDING TANKS & SUMP PUMPS

TANK	LOCATION	TANK				SUMP PUMP								
		INSIDE DIMENSION (M)			VOLUME (M ³)	P1				P2				BRAND
		LENGTH	WIDTH	HEIGHT		DISCHARGE (M ³ /MIN)	OUTPUT POWER (kW)	FULL LOAD CURRENT (Amp)	MODEL	DISCHARGE (M ³ /MIN)	OUTPUT POWER (kW)	FULL LOAD CURRENT (Amp)	MODEL	
HT-1	AREA I	3	2.5	1.5	11.25	1.5	3.7	7.5	DT37V	2.0	5.5	12.3	DT55V	DAVEY
HT-2	AREA II	4	3	1.5	18.00	2.5	7.5	16.5	DT75V	2.5	7.5	16.5	DT75V	DAVEY
HT-3	AREA III	3	2.5	1.5	11.25	1.5	3.7	7.5	DT37V	2.0	5.5	12.3	DT55V	DAVEY
HT-3b	AREA II	3	2.5	1.5	11.25	1.5	3.7	7.5	DT37V	2.0	5.5	12.3	DT55V	DAVEY
HT-4	AREA IV	4	3	1.5	18.00	2.5	7.5	16.5	DT75V	2.5	7.5	16.5	DT75V	DAVEY



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DISCHARGE: BY GRAVITY
THROUGH EXISTING 3-100mm Ø
POLYPIPE

LEGEND	
	GROUND/ PAVEMENT/ COVER SPOT ELEVATION
	DRAIN INVERT ELEVATION
	HOLDING TANK
	OPEN STORMWATER DRAIN
	COVERED STORMWATER DRAIN
	EXISTING CSD
	PROPOSED CSD
	POLYPIPE
	HT
	AREA IV

NOTES:

1. THE METHOD OF DISCHARGE FOR AREA VII IS BY GRAVITY THROUGH THE HOLES OF EXISTING COVERED STORMWATER DRAIN.
2. LIKewise, THE METHOD OF DISCHARGE FOR AREA VIII IS BY GRAVITY THROUGH THE 3-100MM DIAMETER PVC PIPE LEADING TO EXISTING COVERED STORMWATER DRAIN.
3. THE REST IS BY PUMP.

PROPOSED SITE STORMWATER DISCHARGE POINTS

SCALE 1:1000

Rev. Number Description:

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Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
PROPOSED SITE STORMWATER DISCHARGE POINTS

CBC Project Number: Phase:
Drawing Scale: 1:1000 35% 60% 100%

Drawn By: MDC
Checked By: MMP
Sheet Number: 04/16

Date: 15MAY2020
Classification: Sensitive but Unclassified

STRUCTURAL GENERAL NOTES:

FOUNDATIONS

- F1. ALL EXCAVATION IS TO BE INSPECTED AND APPROVED BY THE PROJECT MANAGER BEFORE ANY REINFORCEMENT OR CONCRETE IS PLACED.
- F2. ANY AREA OF UNSUITABLE MATERIAL FOUND TO BE PRESENT BELOW UNDERSIDE OF FOOTING LEVEL, AS CALLED FOR ON THE DRAWINGS SHALL BE REMOVED DOWN TO ACCEPTABLE FOUNDING AND REPLACED WITH SELECTED FILL BACKFILL IN LAYERS NOT EXCEEDING 150MM CONSOLIDATED THICKNESS. THE MATERIAL IN EACH LAYER SHALL BE COMPACTED TO MINIMUM 95 % OF MAXIMUM DRY DENSITY FOR THE MATERIALS AS DETERMINED BY THE STANDARD COMPACTION METHOD.

CONCRETE

- C1. CONCRETE SHALL BE FROM AN APPROVED SOURCE AND SHALL COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION.
- C2. CONCRETE SHALL BE SUPPLIED ON A PERFORMANCE BASIS WITH THE FOLLOWING CHARACTERISTICS:

ELEMENT	STRENGTH	MAXIMUM AGGREGATE SIZE	SLUMP (max.)	Water/Cement Ratio
SLABS AND WALLS	35 MPa	20mm	70mm	0.40
LEAN CONCRETE	15 MPa	20mm	70mm	0.50

SOIL

ANGLE OF REPOSE, $\phi = 34^\circ$
 UNIT WEIGHT, $W = 1,600 \text{ KG/M}^3$

LOADING CRITERIA

DEAD LOAD
 REINFORCED CONCRETE = 2,400 KG/M³

LIVE LOAD:
 LL = 500 KG/M²
 LL = 3,000 KG/M² (VEHICLE)

- C3. WHERE NOT SHOWN, MINIMUM SPLICES FOR REINFORCING BARS SHALL BE 50 TIMES THE DIAMETER.
- C4. ALL REINFORCEMENT SHALL BE SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED MORTAR BLOCKS, BAR CHAIRS, SPACERS OR SUPPORT BARS.
- C5. REINFORCEMENT SYMBOLS:
 R DENOTES STRUCTURAL GRADE PLAIN BAR GRADE 210 MPa
 USE IN CHB WALL REINFORCEMENTS, UNLESS OTHERWISE NOTED
 Y DENOTES DEFORMED BARS GRADE 420 MPa
 FOR MAIN BARS IN SLABS, BEAMS AND WALLS.
- C6. CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNO.

SLABS ON LEAN CONCRETE	50
SUSPENDED SLABS	50
BEAMS	50
WALLS	50
- C7. THE CONCRETE SHALL BE TESTED FOR COMPLIANCE BY THE PROJECT CONTROL TESTING IN ACCORDANCE WITH NATIONAL STANDARDS. CONCRETE NOT COMPLYING SHALL BE REJECTED.
- C8. ALL CONCRETE SHALL BE COMPACTED USING VIBRATING EQUIPMENT AS FOLLOWS:

SLABS	USE IMMERSION TYPE VIBRATORS VERTICALLY, NOT HORIZONTALLY, IN OVERLAPPING SPOT PATTERN AND/OR VIBRATING SCREED
ALL OTHER ELEMENTS	USE IMMERSION TYPE VIBRATING VERTICALLY. VIBRATION IN EACH LOCATION SHOULD CONTINUE UNTIL AIR BUBBLES CEASE TO APPEAR, GENERALLY AFTER 20-30 SECONDS.
- C9. CURING OF SLABS SHALL BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR AT LEAST 7 DAYS BY PONDING OR AND PREVENTION OF MOITURE LOSS FOR A FURTHER 3 DAYS

MISC. METALS

- D. ALL EXPOSE METAL/STEEL SECTION SUCH AS STEEL GRATINGS, EMBEDS, ACHORAGE & ETC. SHALL BE COATED WITH EPOXY PRIMER WITH ANTI-CORROSION FINISH.

DESIGN CODE:

- E.. OBO-ICS2018, ASCE7-10
 AC1318-14 - BUILDING CODE
 AC1350-06 - ENVIRONMENTAL STRUCTURES



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Release for Construction:

Project Title:
 EMBASSY STORM DRAINAGE UPGRADE

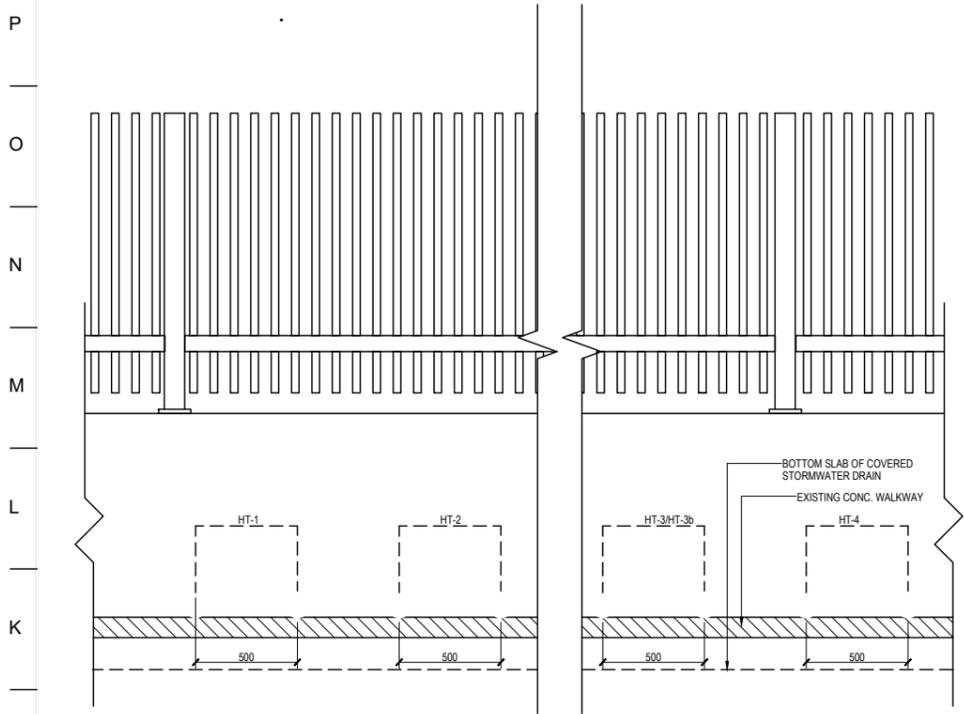
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 STRUCTURAL GENERAL NOTES

CBC Project Number: Phase:
 Drawing Scale: NTS 35% 60% 100%

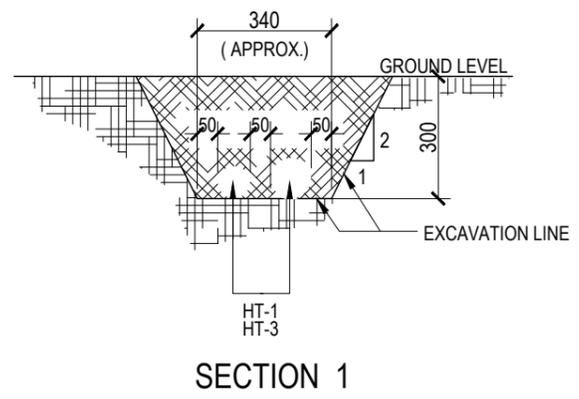
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 Sheet Number: 05/16

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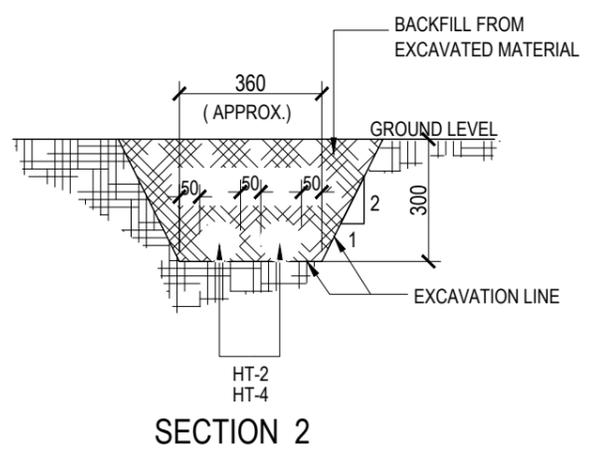
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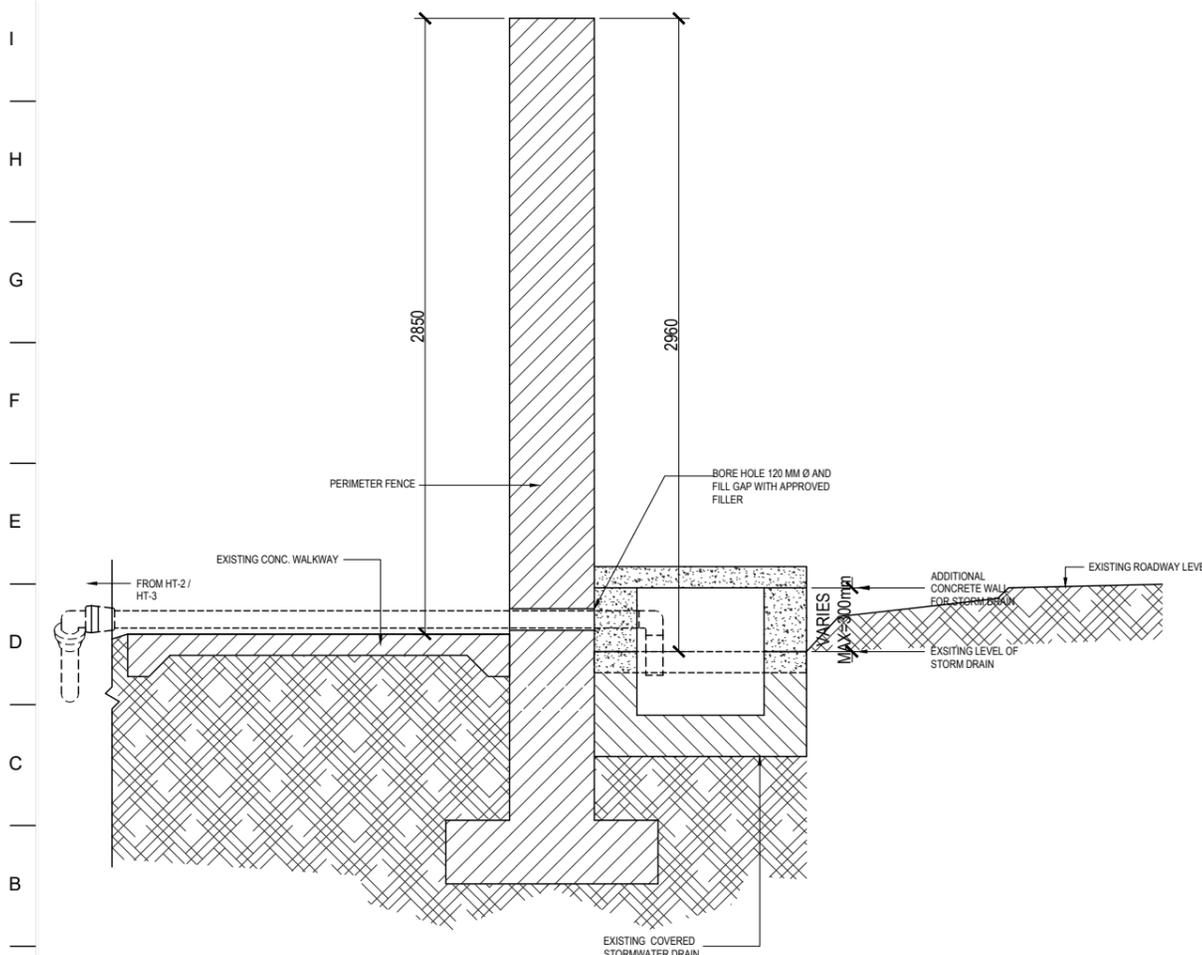
AT FENCE SECTION



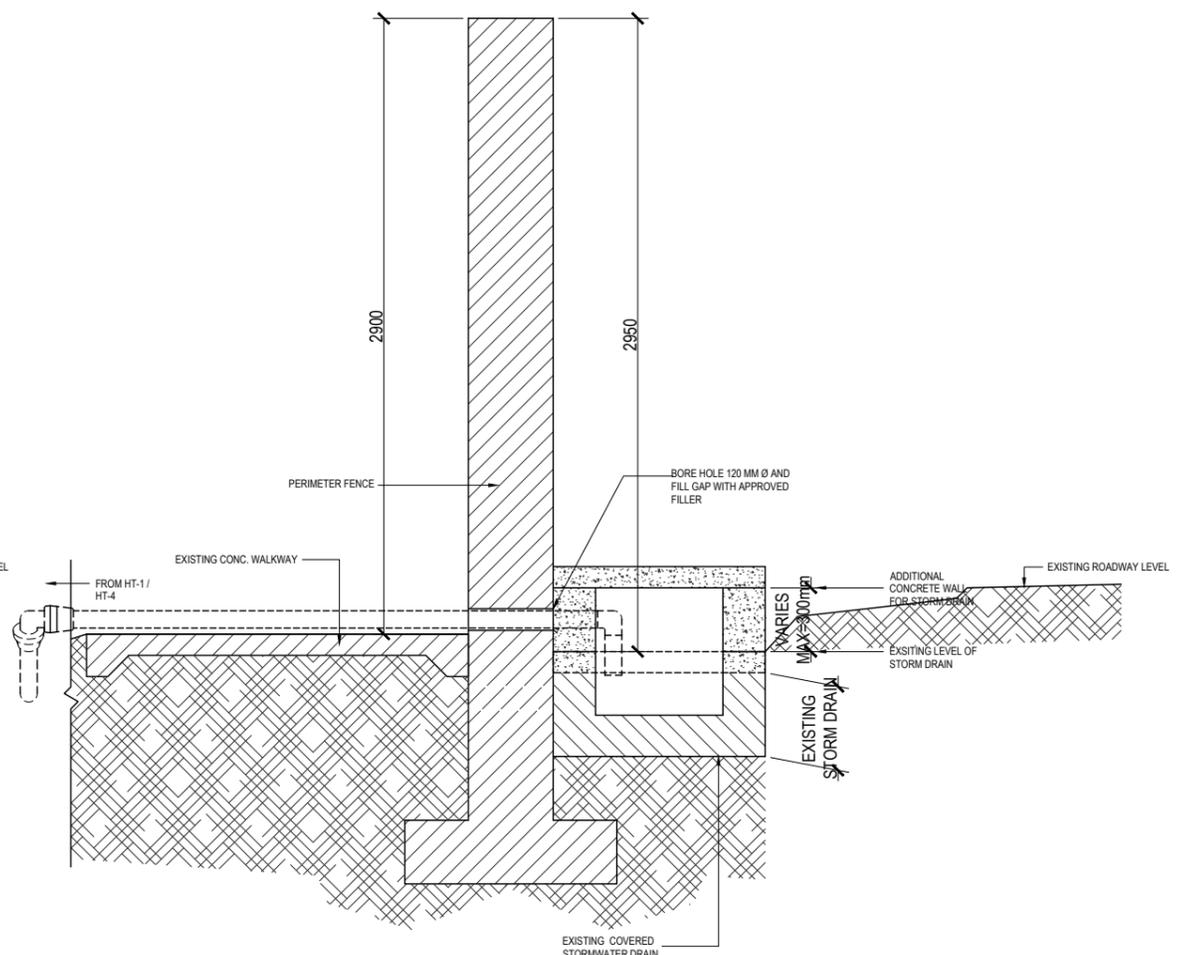
SECTION 1



SECTION 2



TYPICAL DISCHARGE POINT AND OUTLET FROM HT-2/HT-3 TO STORM DRAIN



TYPICAL DISCHARGE POINT AND OUTLET FROM HT-1/HT-4 TO STORM DRAIN



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Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

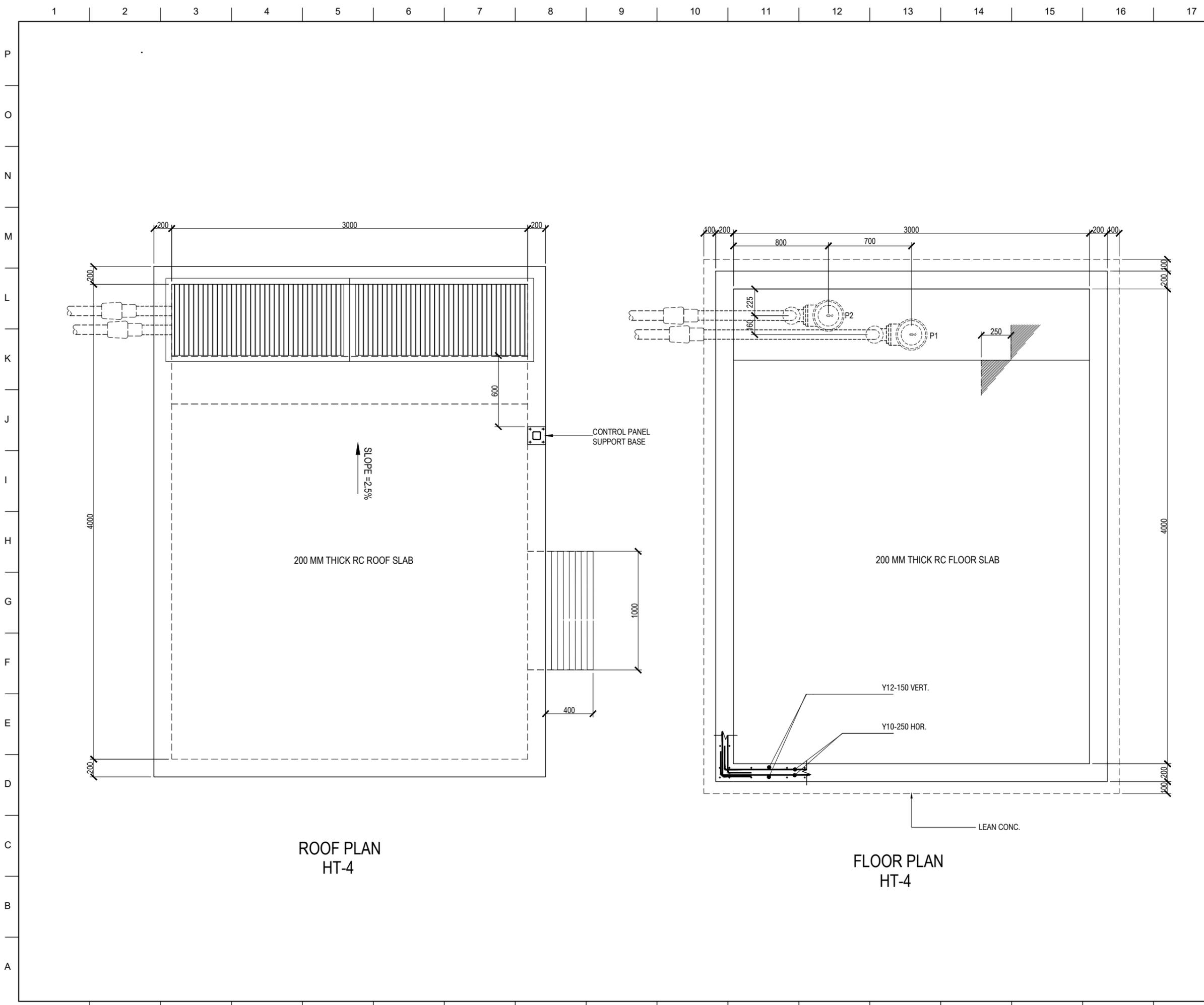
Drawing Title:
DETAILED SECTIONS PART 1

CBC Project Number: Phase:
Drawing Scale: 1:25 35% 60% 100%

Drawn By: MDC
Checked By: MMP
Sheet Number: 06/16

Date: 15MAY2020
Classification: Sensitive but Unclassified

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



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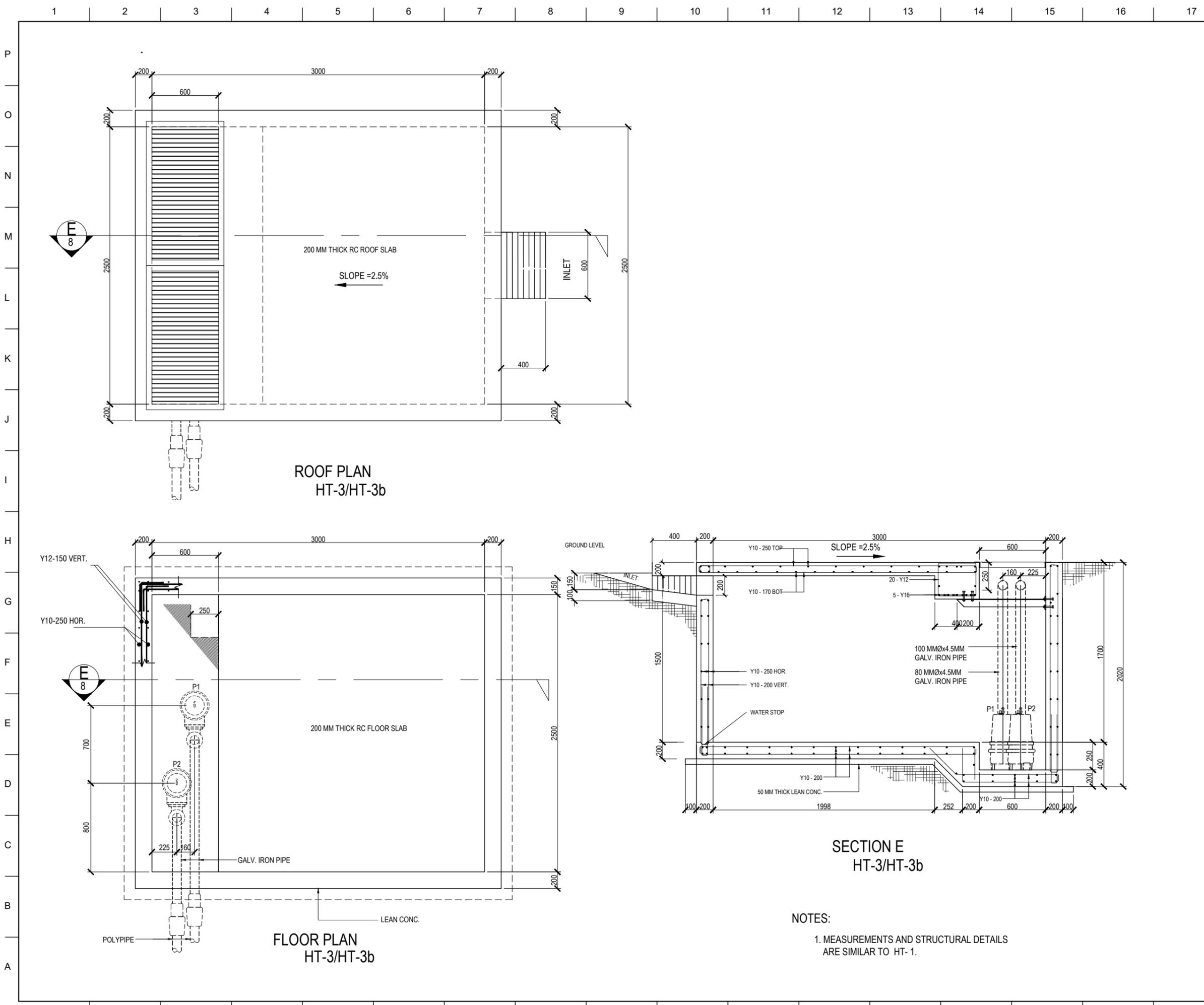
Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
HT - 4
ROOF PLAN AND FLOOR PLAN

CBC Project Number: Phase:
Drawing Scale: 1:30 35% 60% 100%

Drawn By: MDC	Sheet Number: 07/16
Checked By: MMP	

Date: 15MAY2020
Classification: Sensitive but Unclassified



ROOF PLAN
HT-3/HT-3b

FLOOR PLAN
HT-3/HT-3b

SECTION E
HT-3/HT-3b

NOTES:
1. MEASUREMENTS AND STRUCTURAL DETAILS
ARE SIMILAR TO HT-1.



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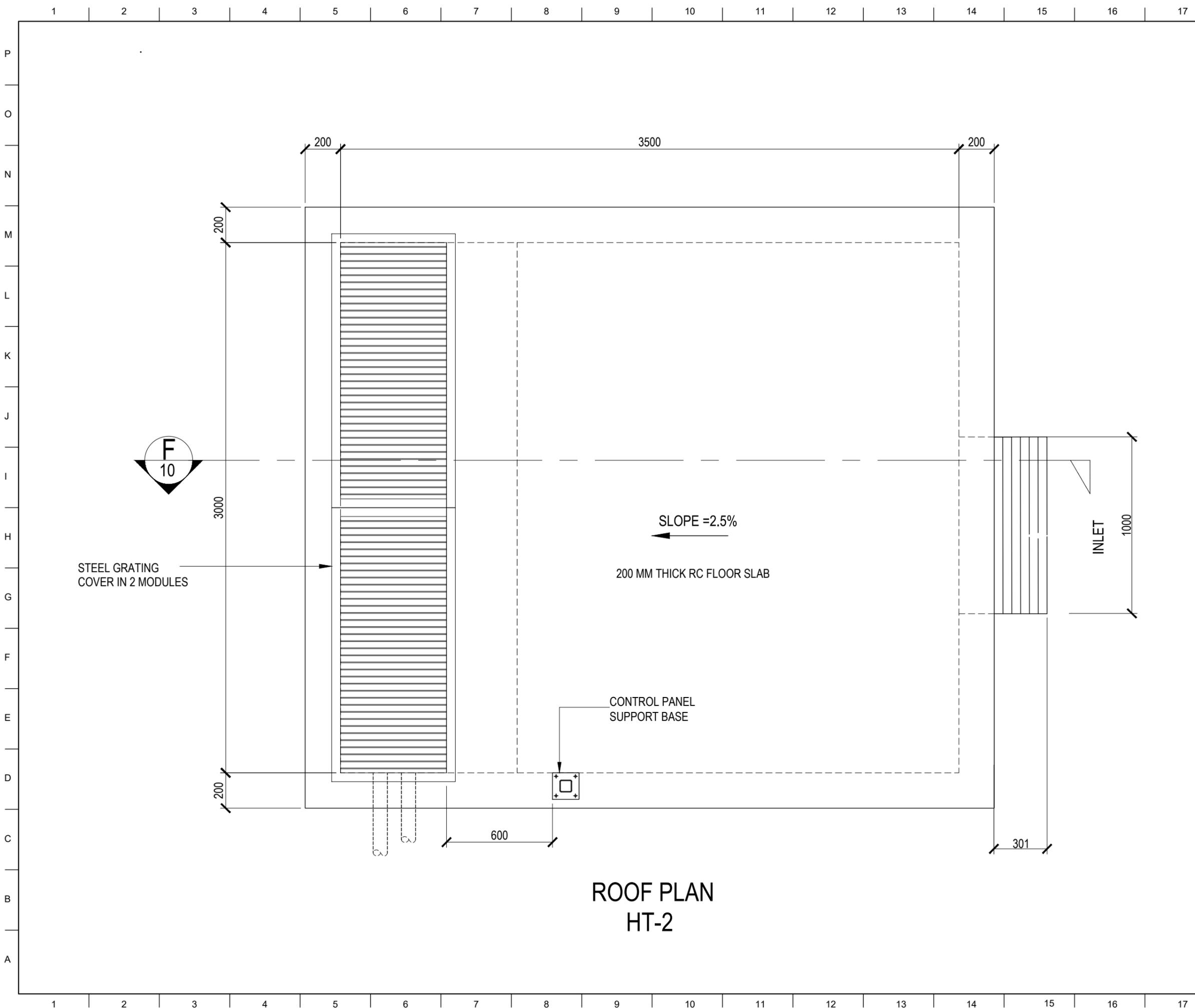
Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
HT - 3 / HT- 3b
ROOF PLAN, FLOOR PLAN & SECTION E

CBC Project Number: Phase:
Drawing Scale: 1:30 35% 60% 100%

Drawn By: MDC	Sheet Number: 08/16
Checked By: MMP	

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ROOF PLAN
HT-2



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Project Title:
EMBASSY STORM DRAINAGE UPGRADE

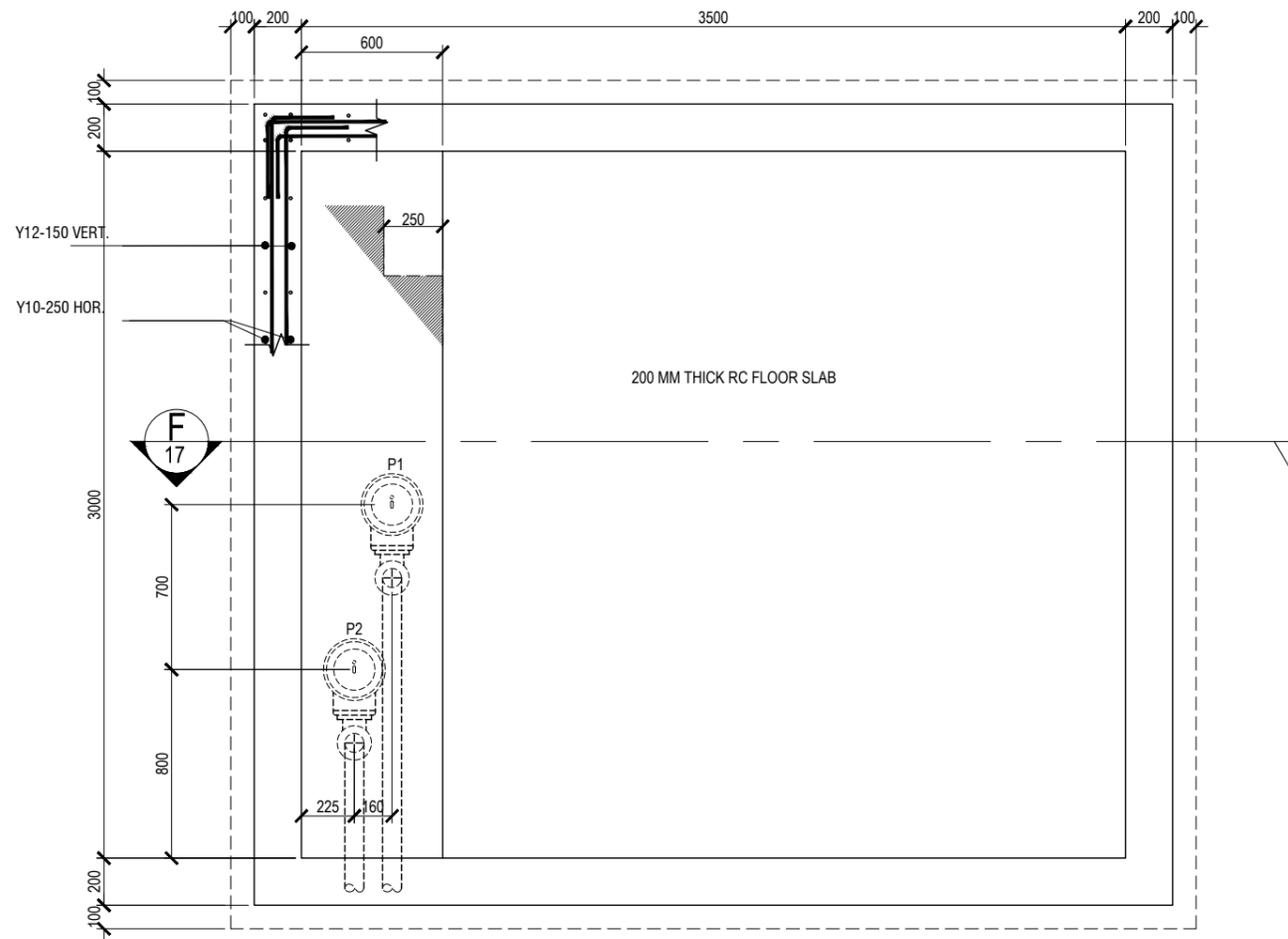
Drawing Title:
HT - 2
ROOF PLAN

CBC Project Number: Phase:
Drawing Scale: 1:30 35% 60% 100%

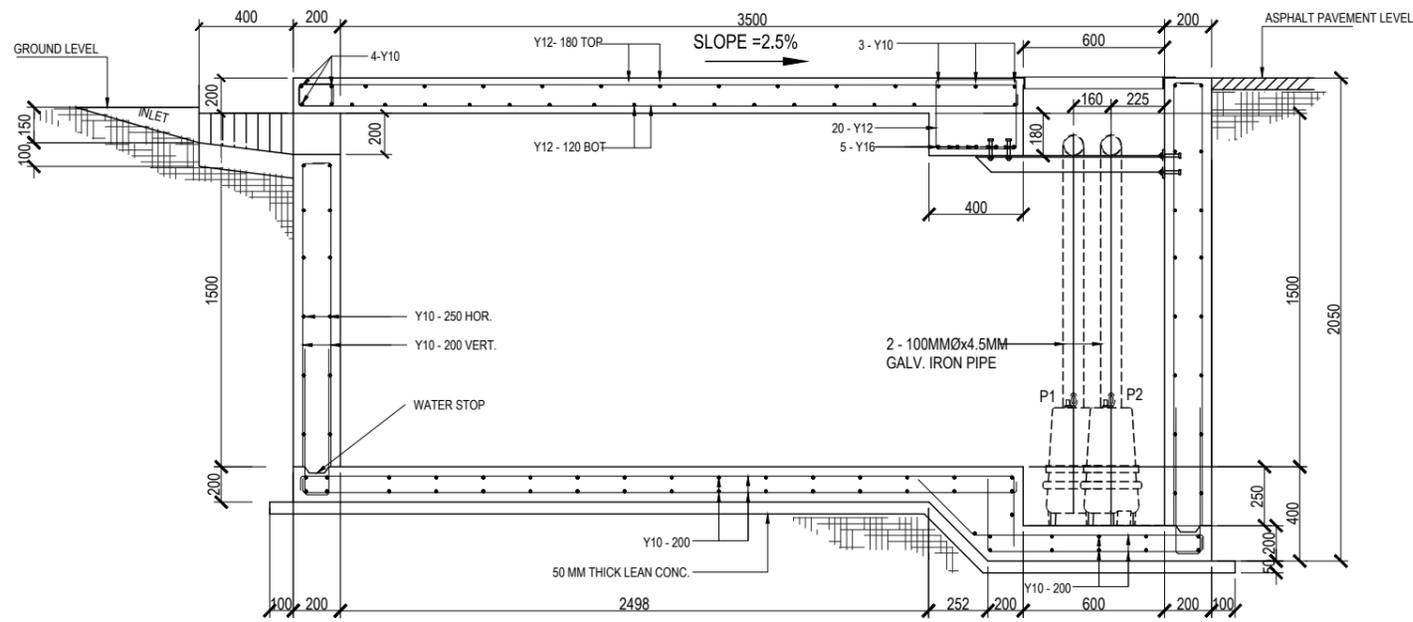
Drawn By: MDC
Checked By: MMP
Sheet Number: 09/16

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Classification: Sensitive but Unclassified

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



FLOOR PLAN
HT-2



SECTION F
HT-2



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Rev. Number Description:

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Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
HT - 2
FLOOR PLAN & SECTION F

CBC Project Number: Phase:
Drawing Scale: 1:30 35% 60% 100%

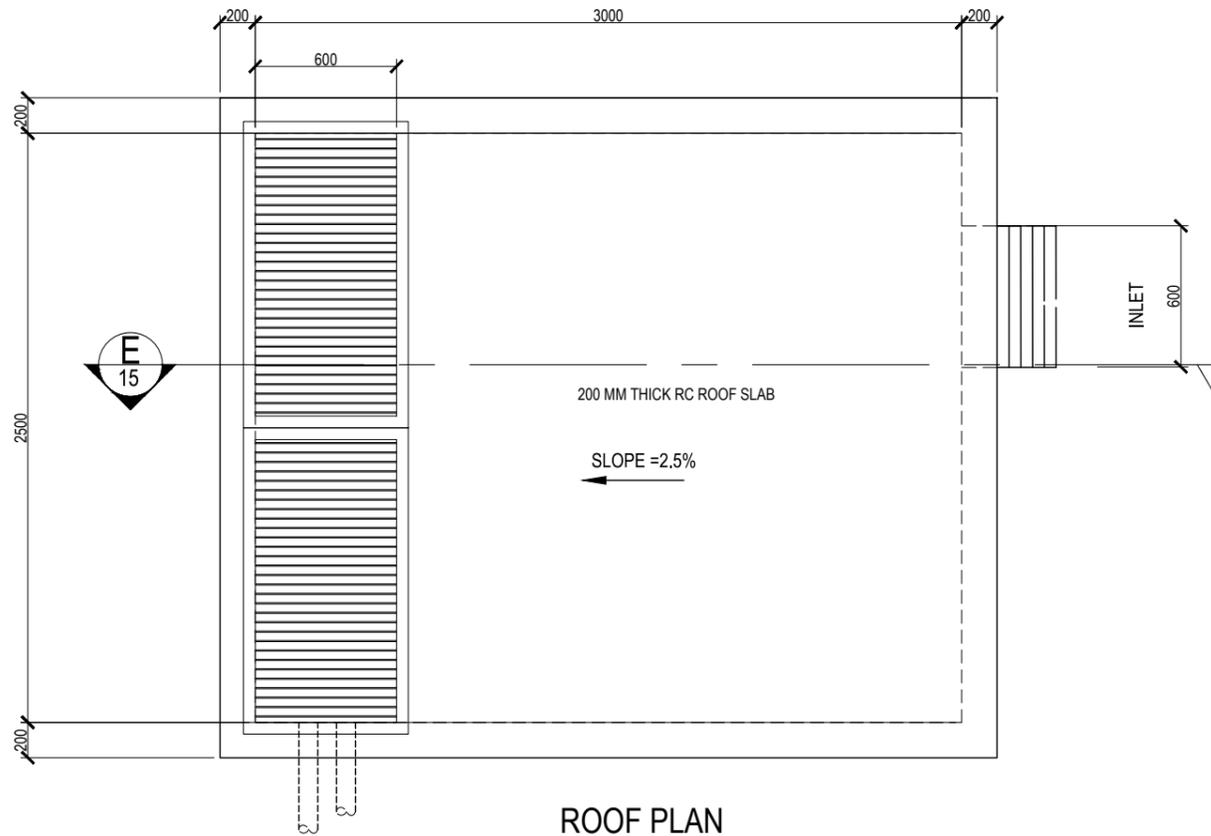
Drawn By: MDC
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Sheet Number: 10/16

Date: 15MAY2020
Classification: Sensitive but Unclassified

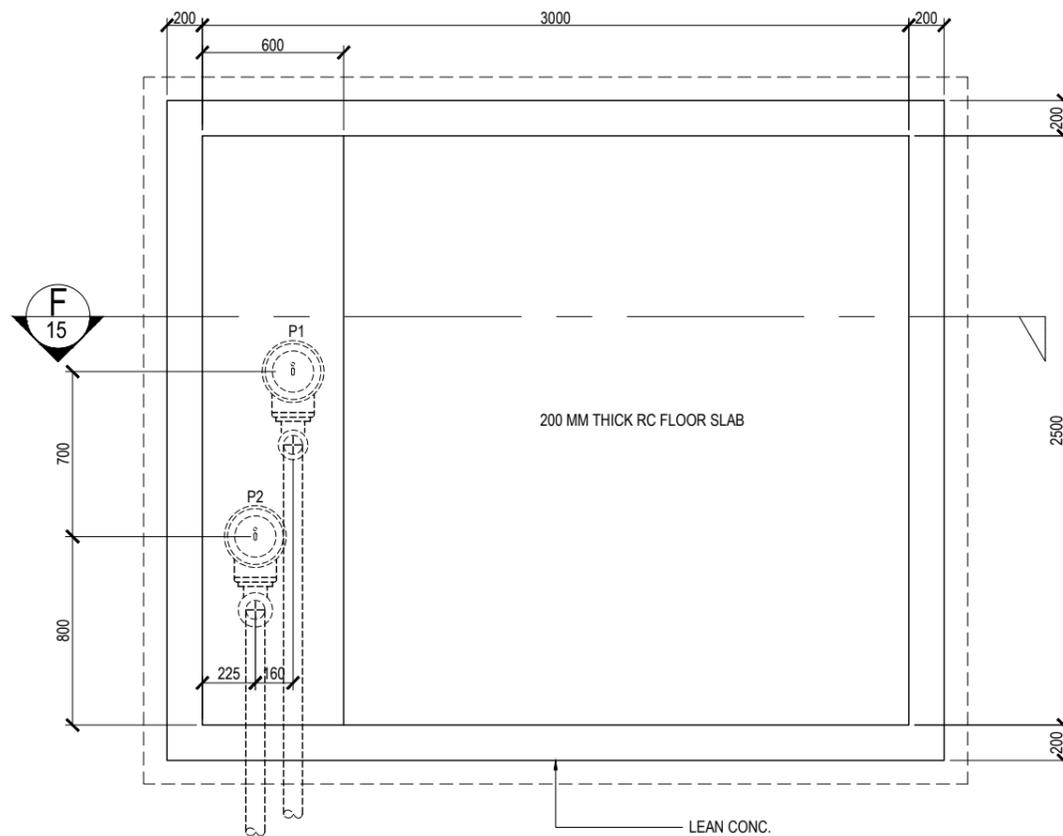
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ROOF PLAN
HT-1



FLOOR PLAN
HT-1

NOTES:

- 1. MEASUREMENTS AND STRUCTURAL DETAILS ARE SIMILAR TO HT-3.



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Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
HT - 2
FLOOR PLAN & ROOF PLAN

CBC Project Number: Phase:
Drawing Scale: 1:30 35% 60% 100%

Drawn By: MDC
Checked By: MMP
Sheet Number: 11/16

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Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
STEEL GRATING SECTION D

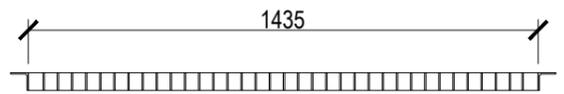
CBC Project Number: Phase:
Drawing Scale: 1:20 35% 60% 100%

Drawn By: MDC
Checked By: MMP
Sheet Number: 12/16

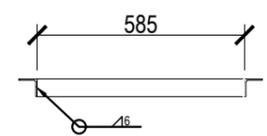
Date: 15MAY2020
Classification: Sensitive but Unclassified

50x50x6 STEEL ANGLE BAR RAMES
WITH 40x5 STEEL FLAT BAR GRATING
@ 50 O.C. ALL COATED WITH APPROVED
ANTI-RUST PRIMER AND 2
COATS OF FULL GLOSS LATEX
PAINT GREY COLOR

2.5-M WIDE TANK STEEL GRATING



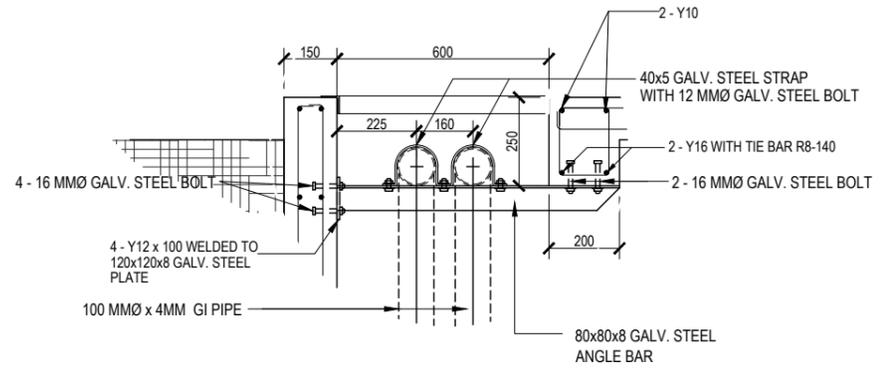
SECTION 1



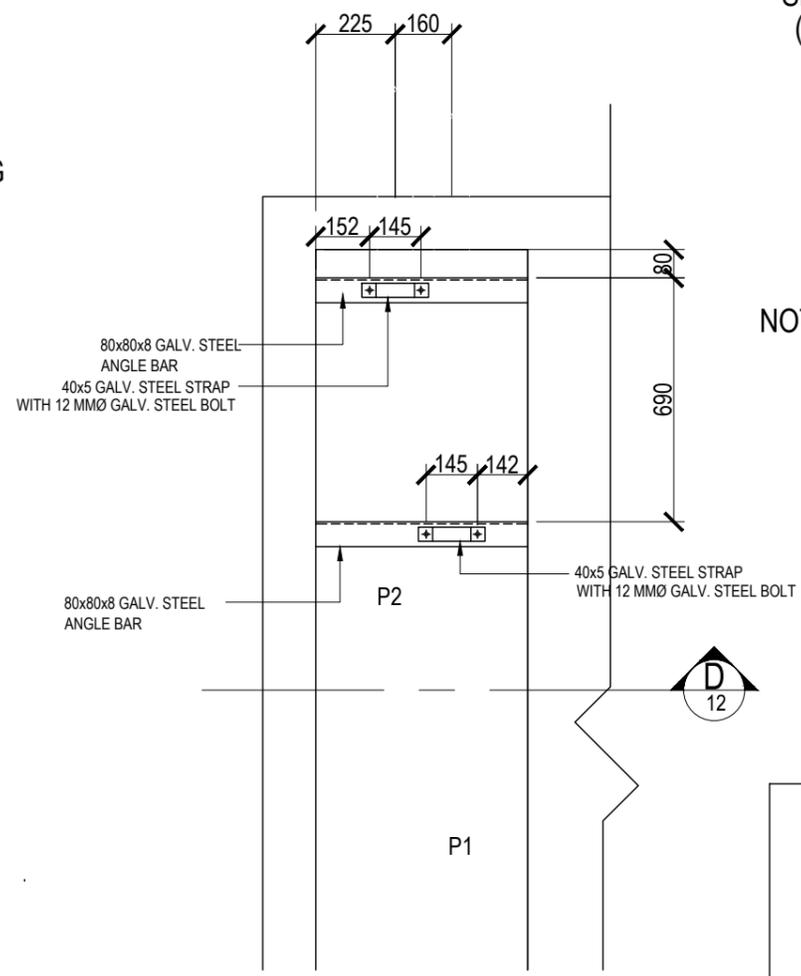
SECTION 2

50x50x6 STEEL ANGLE BAR RAMES
WITH 50x6 STEEL FLAT BAR GRATING
@ 45 O.C. ALL COATED WITH APPROVED
ANTI-RUST PRIMER AND 2
COATS OF FULL GLOSS LATEX
PAINT GREY COLOR

3-M WIDE TANK STEEL GRATING



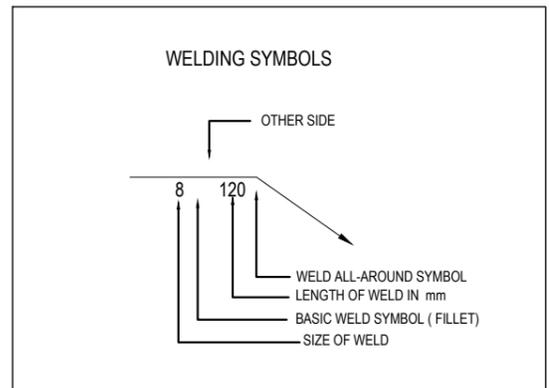
SECTION D
(TYPICAL)



HORIZONTAL ANGLE SUPPORT DETAIL

NOTES:

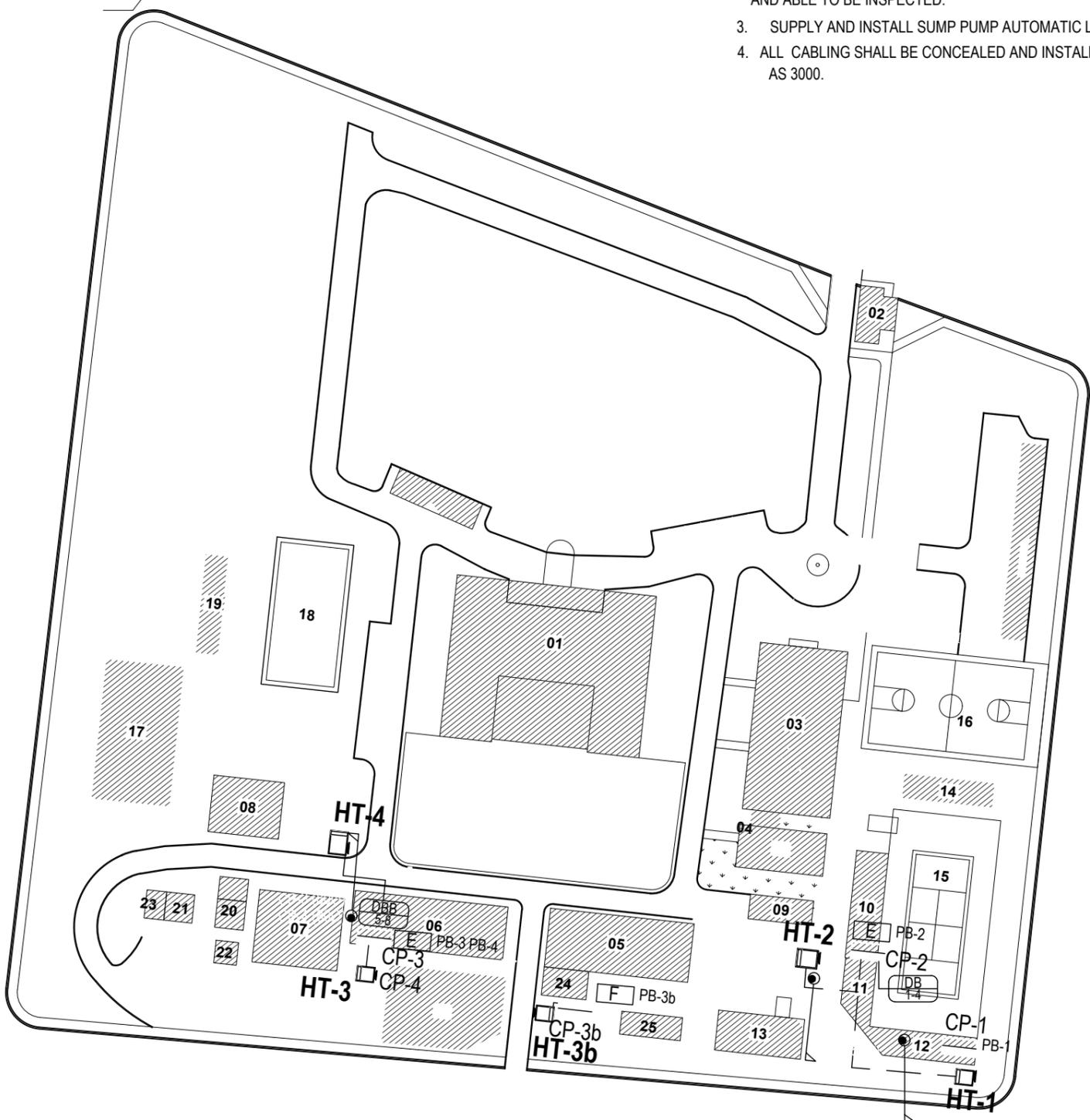
- 1. ALL MEASUREMENTS SHALL BE VERIFIED ON SITE.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

ELECTRICAL GENERAL NOTES:

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE AUSTRALLIAN WIRING RULES. AS 3000:2000 AS 3008. 1. 1. AND LOCAL POWER SUPLAY AUTHORITY REGULATIONS.
2. ALL WORKS SHALL BE EXECUTED IN A NEAT AND TRADESMANLIKE MANNER, CARRIED OUT BY COMPETENT EXPERIENCED TRADES PERSONS, POSSESSING CURRENT ELECTRICAL WORKERS LICENCES SUITABLY INDORSED FOR THE TYPE OF WORK. THE COMPLETE INSTALLATION, WHICH SHALL BE READILY ACCESIBLE AND ABLE TO BE INSPECTED.
3. SUPPLY AND INSTALL SUMP PUMP AUTOMATIC LEVEL SWITCH CONTROL PANEL WHERE SHOWN.
4. ALL CABLING SHALL BE CONCEALED AND INSTALLED NEATLY TO AUSTRALIAN STANDARD (WIRING RULE) AS 3000.



- | | | | |
|----|--------------------|----|--------------------------|
| 1 | CMR | 19 | DECONTAMINATION FACILITY |
| 2 | CAC | 20 | FAC OFFICE 1 |
| 3 | CHANCERY | 21 | FAC OFFICE 2 |
| 4 | ANNEX | 22 | FUEL STORAGE |
| 5 | BACK BUILDING A | 23 | GARDENER STORAGE |
| 6 | BACK BUILDING B | 24 | LGF OFFICE |
| 7 | WAREHOUSE | 25 | MAIN FUEL TANK |
| 8 | MEDICAL UNIT | | |
| 9 | MOTOR POOL | | |
| 10 | TENNIS BUILDING | | |
| 11 | IT STORAGE | | |
| 12 | CARPENTRY SHOP | | |
| 13 | UTILITIES BUILDING | | |
| 14 | GYM | | |
| 15 | TENNIS COURT | | |
| 16 | BASKETBALL COURT | | |
| 17 | PLAYGROUND | | |
| 18 | SWIMMING POOL | | |

LEGEND

SYMBOL	DETAILS
CP	CONTROL PANEL
DB	DISTRIBUTION BOARD
---	POWER CIRCUIT
DB 3	POWER CONTROL CIRCUIT NUMBER. TOP HALF INDICATES DISTRIBUTION BOARD NUMBER, BOTTOM HALF INDICATES CIRCUIT NUMBER.
●	CONDUIT WITH CABLE INSTALLED
PB-1	PULL BOX

SITE POWER SUPPLY LAYOUT

SCALE 1:1000



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Rev. Number Description:

Date:



Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
SITE POWER SUPPLY LAYOUT AND ELECTRICAL GENERAL NOTES

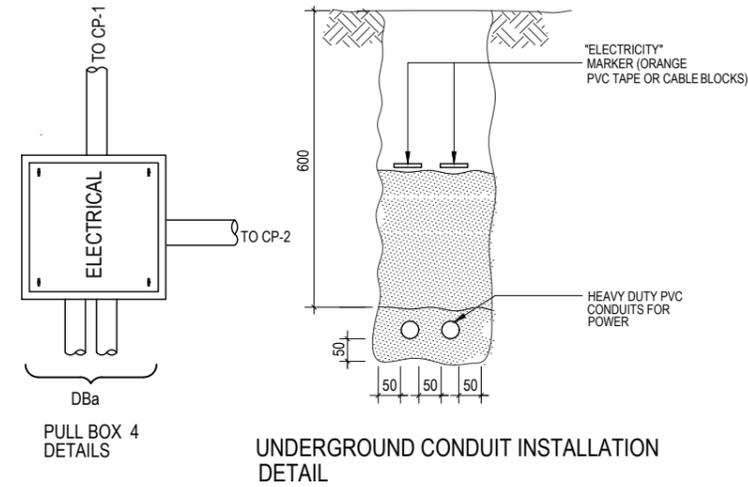
CBC Project Number: Phase:
Drawing Scale: 1:1000 35% 60% 100%

Drawn By: MDC	Sheet Number: 13/16
Checked By: MMP	

Date: 15MAY2020
Classification: Sensitive but Unclassified

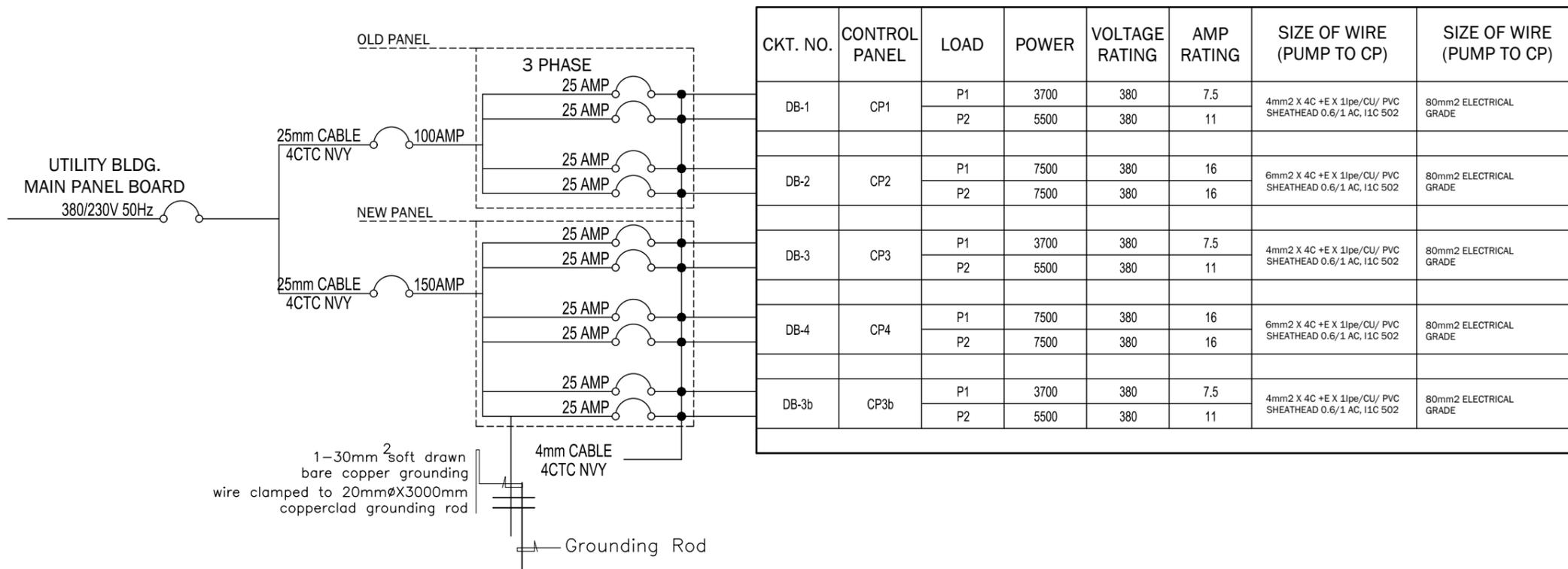
NOTE:
 CP2 - EXISTING UPGRADED/INSTALLED
 CONTROL PUMP FOR HT-2

PULL BOX SCHEDULE							
No	NOMINAL DIMENSIONS			RATING/DUTY	BODY	COVER	REMARKS
	L (mm)	W (mm)	D (mm)				
PB-1	450	450	900	LIGHT DUTY	HDPE	GSCP or CP	ACO CABLE MATE
PB-2	450	450	900	LIGHT DUTY	HDPE	GSCP or CP	ACO CABLE MATE
PB-3	450	450	900	LIGHT DUTY	HDPE	GSCP or CP	ACO CABLE MATE
PB-3b	450	450	900	LIGHT DUTY	HDPE	GSCP or CP	ACO CABLE MATE
PB-4	450	450	900	LIGHT DUTY	HDPE	GSCP or CP	ACO CABLE MATE
ABBREVIATIONS				NOTES			
HDPE	HIGH DENSITY POLYETHYLENE			LABELED ELECTRICAL			
GSCP	GALVANISED STEEL CHECKER PLATE						
CP	CONCRETE POLYMER						
CISC	CAST IN SITU CONCRETE						



- NOTES:
- REFER TO LAYOUT FOR NUMBER AND DIMATER OF CONDUIT FOR EACH APPLICATION
 - DETERMINE TRENCH WIDTH TO SUIT NUMBER AND DIAMETER OF CONDUITS

SCHEDULE OF LOADS



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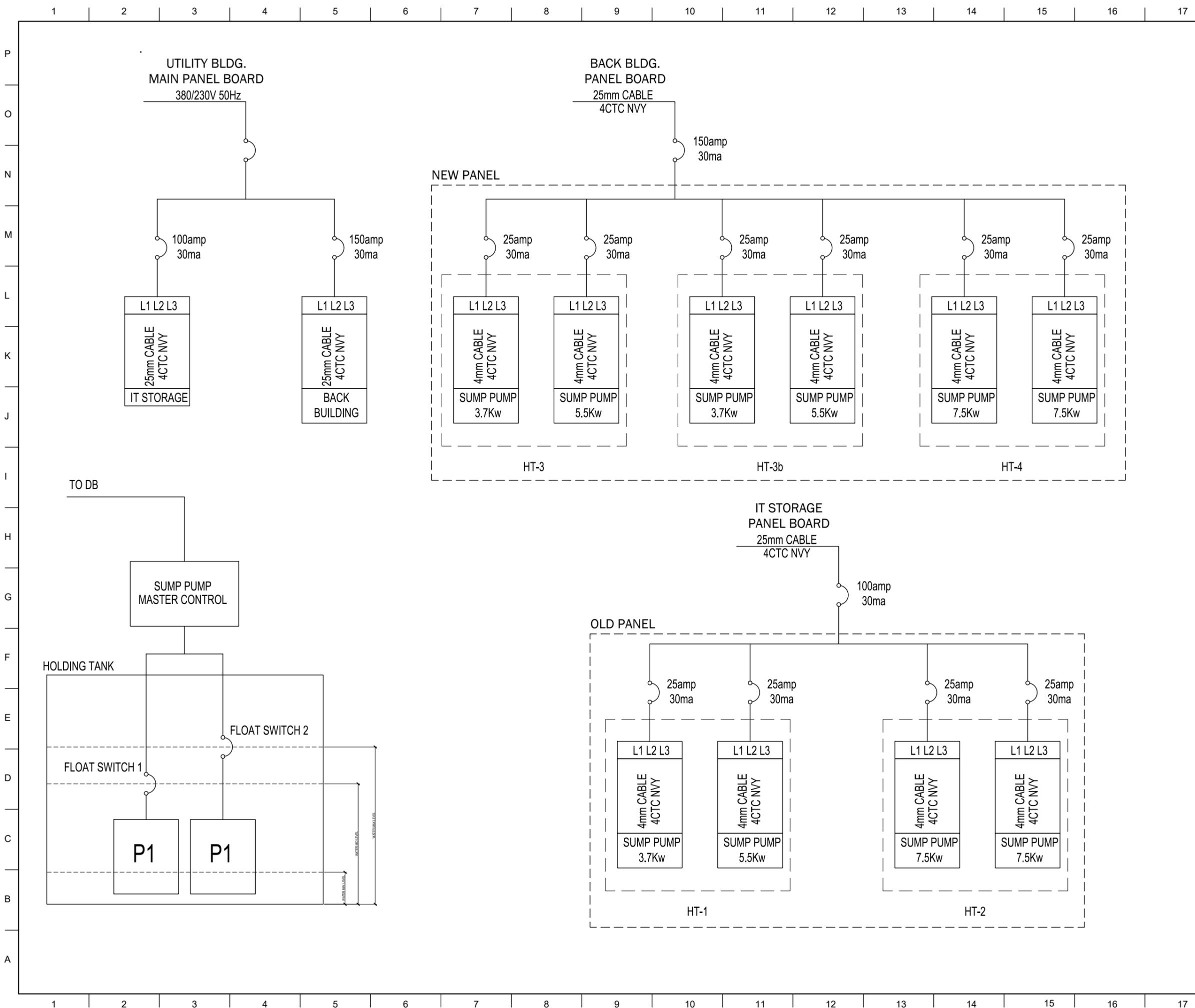
Project Title:
 EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
 SCHEDULE OF LOADS AND PULL BOX SCHEDULE

CBC Project Number: Phase:
 Drawing Scale: NTS 35% 60% 100%

Drawn By: MDC
 Checked By: MMP
 Sheet Number: 14/16

Date: 15MAY2020
 Classification: Sensitive but Unclassified



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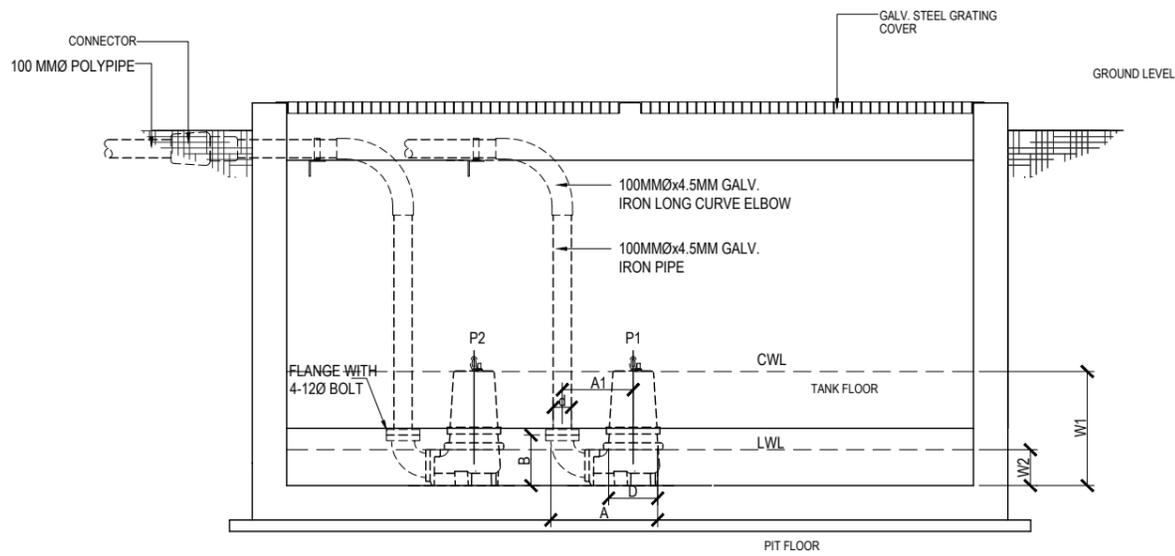
Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
SINGLE LINE DIAGRAM

CBC Project Number: Phase:
Drawing Scale: NTS 35% 60% 100%

Drawn By: MDC
Checked By: MMP
Sheet Number: 15/16

Date: 15MAY2020
Classification: Sensitive but Unclassified

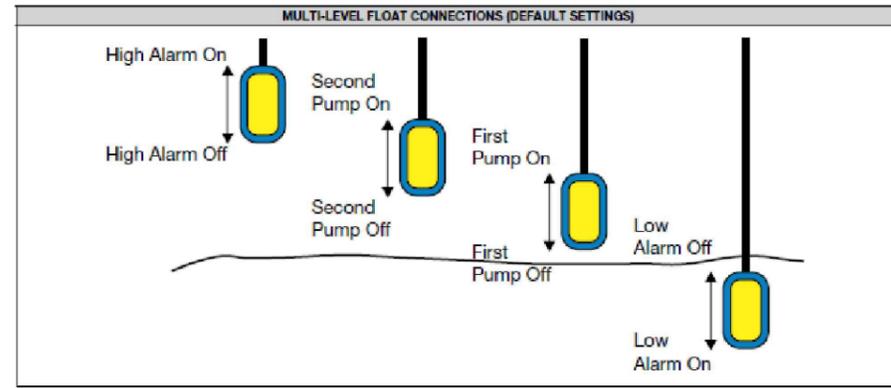


MODEL	OUTLET (BSP F)	A	A1	B	D	H	OPERATING NET WATER LEVEL		NET WEIGHT (KG)
							W1	W2	
D150V	3"	395	205	230	195	600	545	200	24
DT15V		395	205	230	195	515	460	200	23
DT37V		430	240	265	255	670	585	240	50
DT75V	4"	660	425	360	315	825	760	310	80



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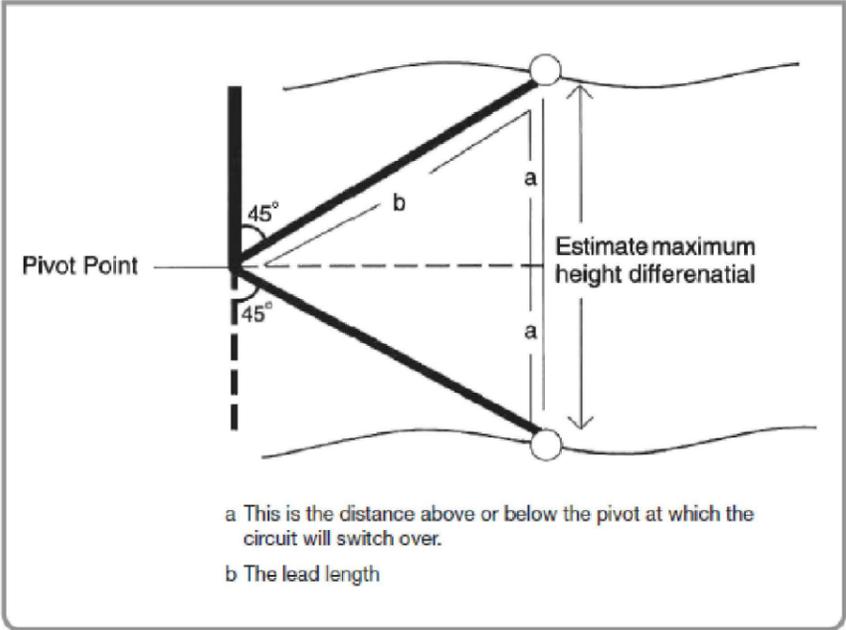
LEAD LENGTH FROM PIVOT TO FLOAT (mm)	ESTIMATED MAXIMUM HEIGHT DIFFERENTIAL (mm)
300	420
400	560
500	700
600	840
750	1060
1000	1400
1500	2100
2500	2800
3000	4200



SumpMaster Pump Controller

RANGE GUIDE/SUITABILITY		
Single Phase Models in Plastic Enclosures		
Model	Suit Davey Models	Amps Range
DSM-F2-0.75	D75M, D75VM, D75SM, D75KM	8 to 10
DSM-F2-1.2	D120G	10 to 13
DSM-F2-1.5	D150, D150V, D150S, D150G, D150K	13 to 16
Three Phase Models in Plastic Enclosures		
Model	Suit Davey Models	Amps Range
DSM-F2-1.2/3	DT08, DT08V, DT08K, DT08S, DT12G	1.6 to 2.5
DSM-F2-1.5/3	DT15, DT15V, DT15K, DT15S, DT15G	2.5 to 4
DSM-F2-2.2/3	DT22, DT22V, DT22K, DT22S, DT22G	4.0 to 6.0
DSM-F2-3.7/3	DT37, DT37G, DT37V, DT37KZN	6 to 8
Three Phase Models in Metal Enclosures with Soft Starters		
Model	Suit Davey Models	Amps Range
DSM-F2-5.5/3SS	DT55, DT55V, DT55KZN	10 to 13
DSM-F2-7.5/3SS	DT75, DT75V, DT75K, DT75S, DT75KZN	13 to 17

HIGH LEVEL ALARM	
High Level Alarm – Plastic Enclosure Provides warning when water level in pit exceeds high level which could be due to high inflow, blocked outlets or pump breakdown. All models include audible buzzer and neon light to indicate a high level event. (Requires one FS750-10 float switch).	
Model	Description
DSM-HLO	High Level Alarm w/ outputs for BMS etc
DSM-HLOM	Includes alarm mute & neon shut off



Rev. Number Description:

Date:

NTCS ENTERPRISES UNIVERSAL LDA

Release for Construction:

Project Title:
EMBASSY STORM DRAINAGE UPGRADE

Drawing Title:
SUMP PUMP AND MASTER CONTROLLER SPECIFICATION AND DETAILS

CBC Project Number: Phase: 35% 60% 100%

Drawing Scale: NTS

Drawn By: MDC
Checked By: MMP
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