

	SLAB AREA	194.8 SQ M
	CONCRETE WALL	95.5 M
	CONCRETE PAV...	99.7 SQ M
	SLAB SIDING	52.4 M
	PAVEMENT SIDING	46.4 M
	CUTS	8.2 M

	Designed	CB	Checked	TG
	Drawn	TJS	Checked	RKB
	Approved	J.L.SMITH		
	Date	02/06/2023		
	HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	-
North	-
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-

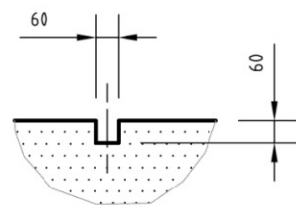
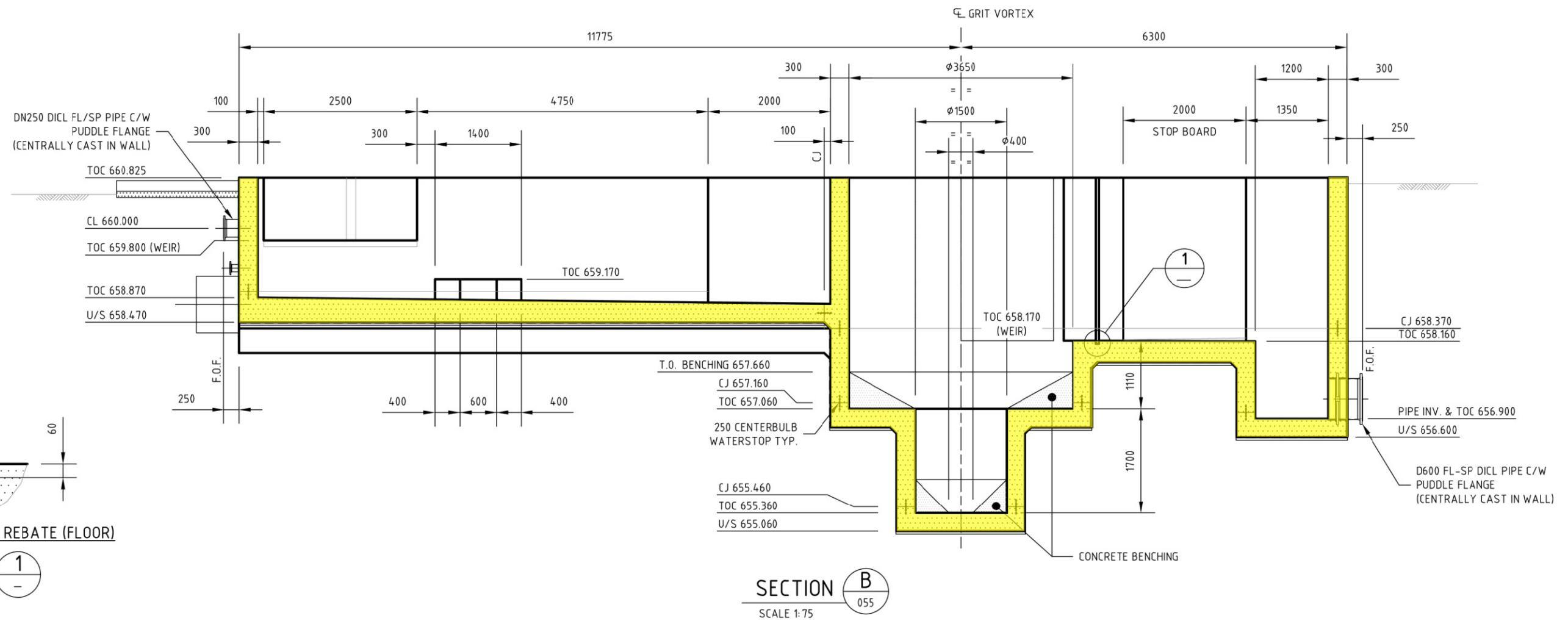
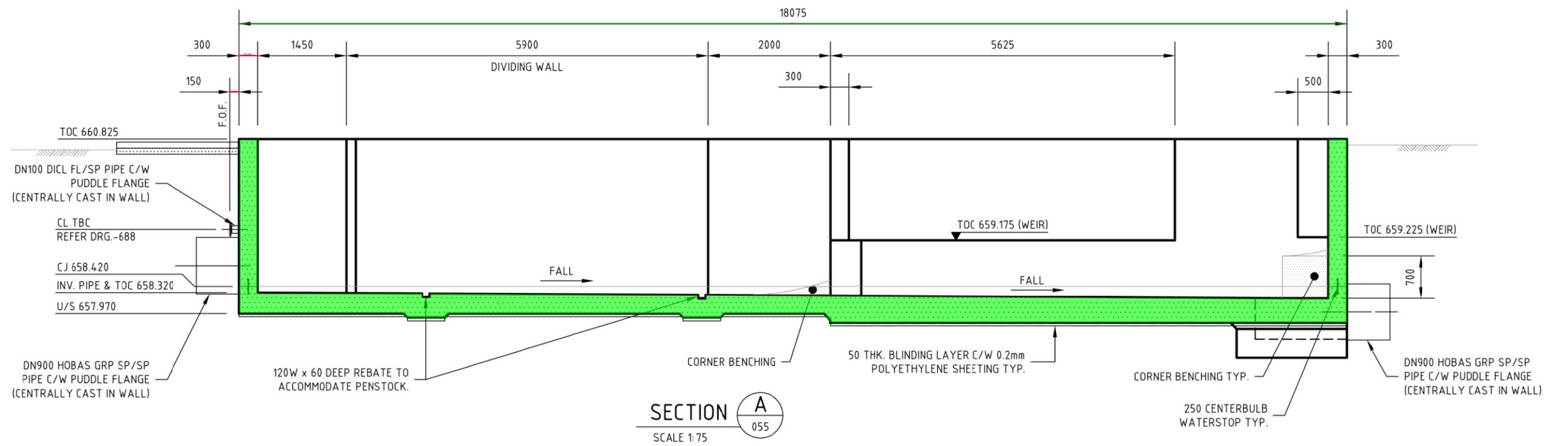


WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
INLET WORKS  
CONCRETE ARRANGEMENT

Scale	Document No
1:75 at A3	5949- C - 055
Status	Version
TENDER	0

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-046 to 065 (Inlet Works).dwg

Ver.0314



TYPICAL STOPBOARD REBATE (FLOOR)

**DETAIL 1**  
SCALE 1: 20

AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS
Ver	Date	Description	Drawn

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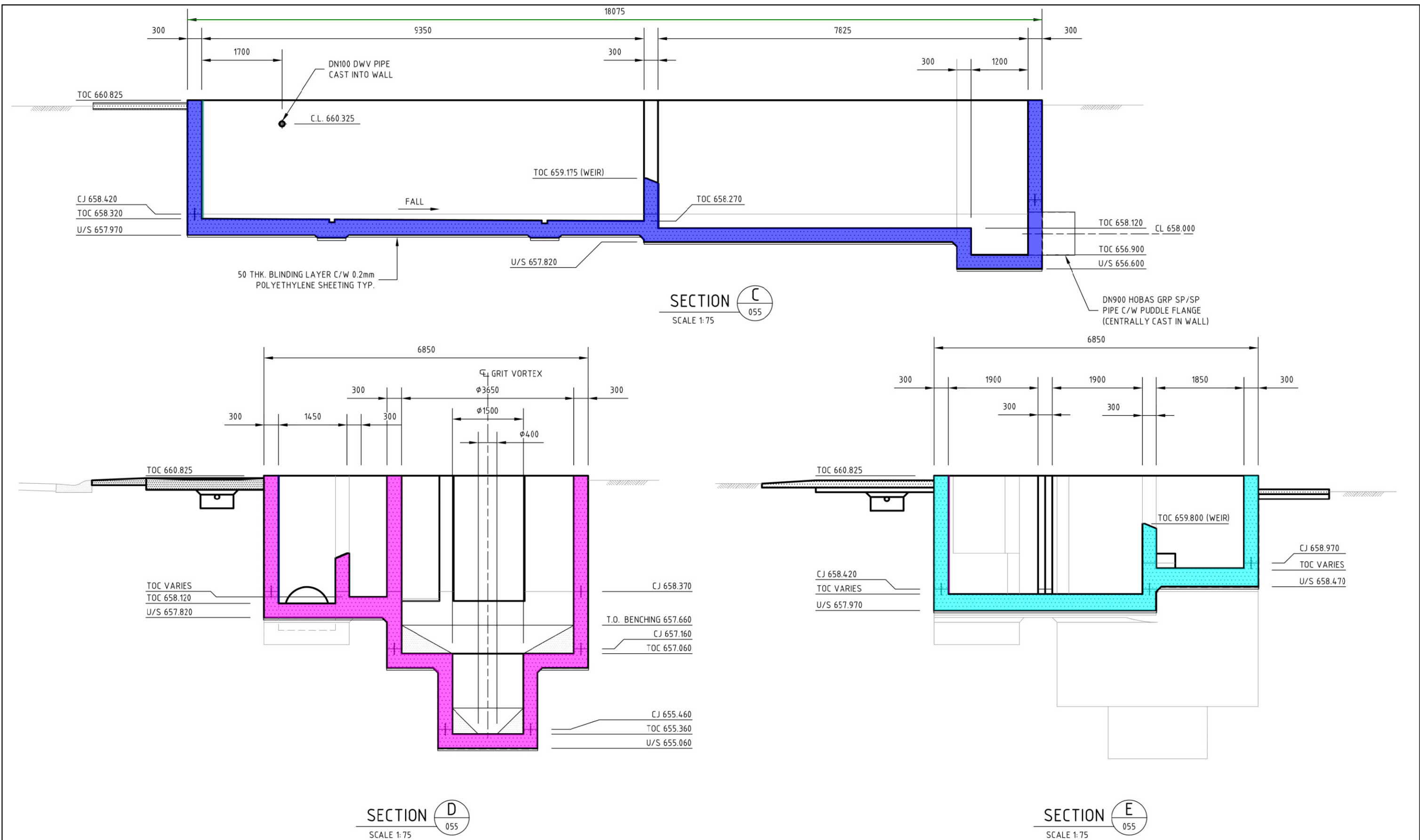
Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**INLET WORKS**  
**CONCRETE SECTIONS - SHT. 1 OF 2**

Scale	Document No
1:75	5949- C - 056
at A3	
Status	Version
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AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS
Ver	Date	Description	Drawn

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Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

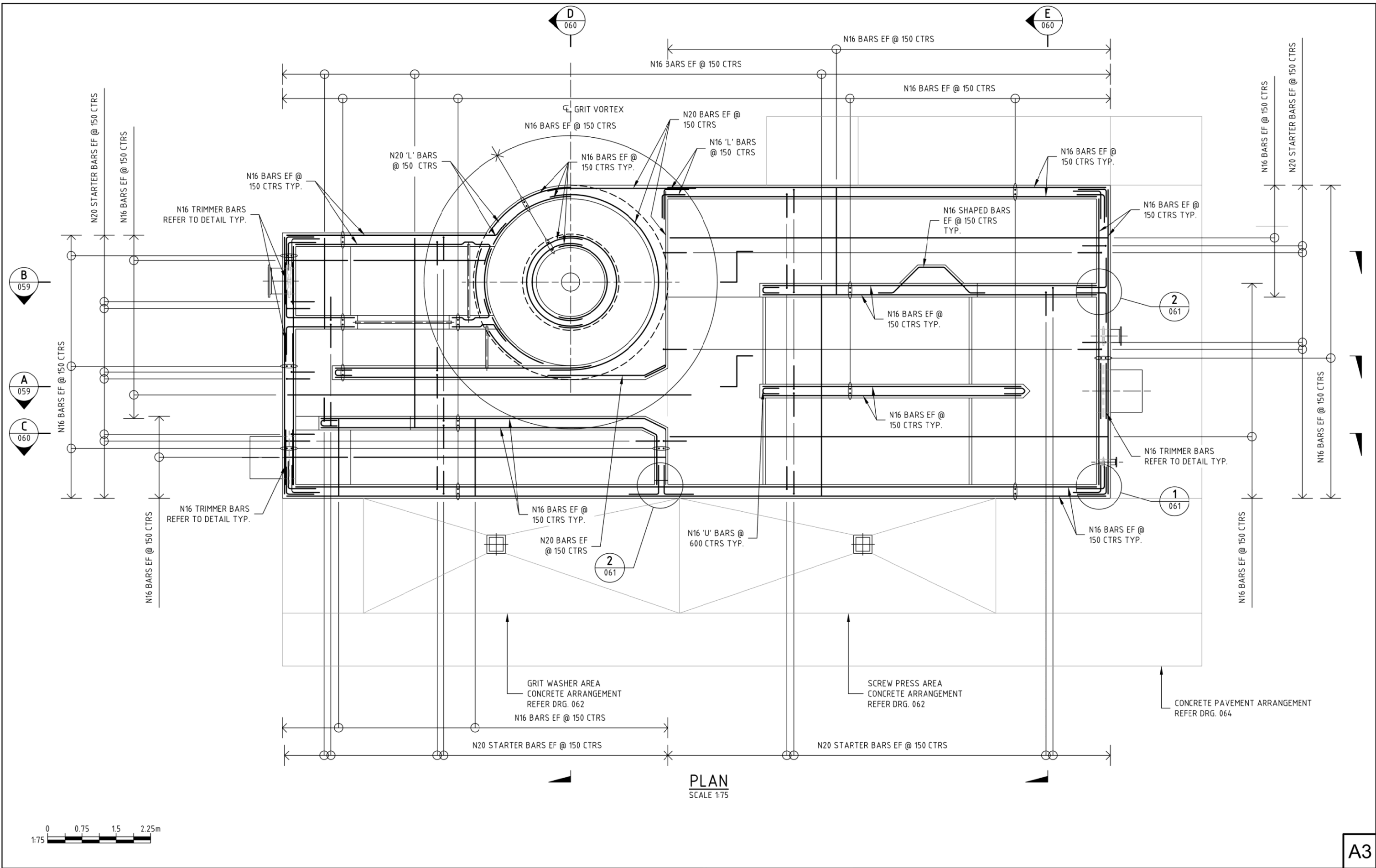
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	BM Adopted	-
	East	North -
VERTICAL	Datum	-
	BM Adopted	-
	Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
INLET WORKS  
CONCRETE SECTIONS - SHT. 2 OF 2

Scale	Document No
1:75 at A3	5949- C - 057
Status	Version
<b>TENDER</b>	<b>0</b>





AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS
Ver	Date	Description	Drawn

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Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

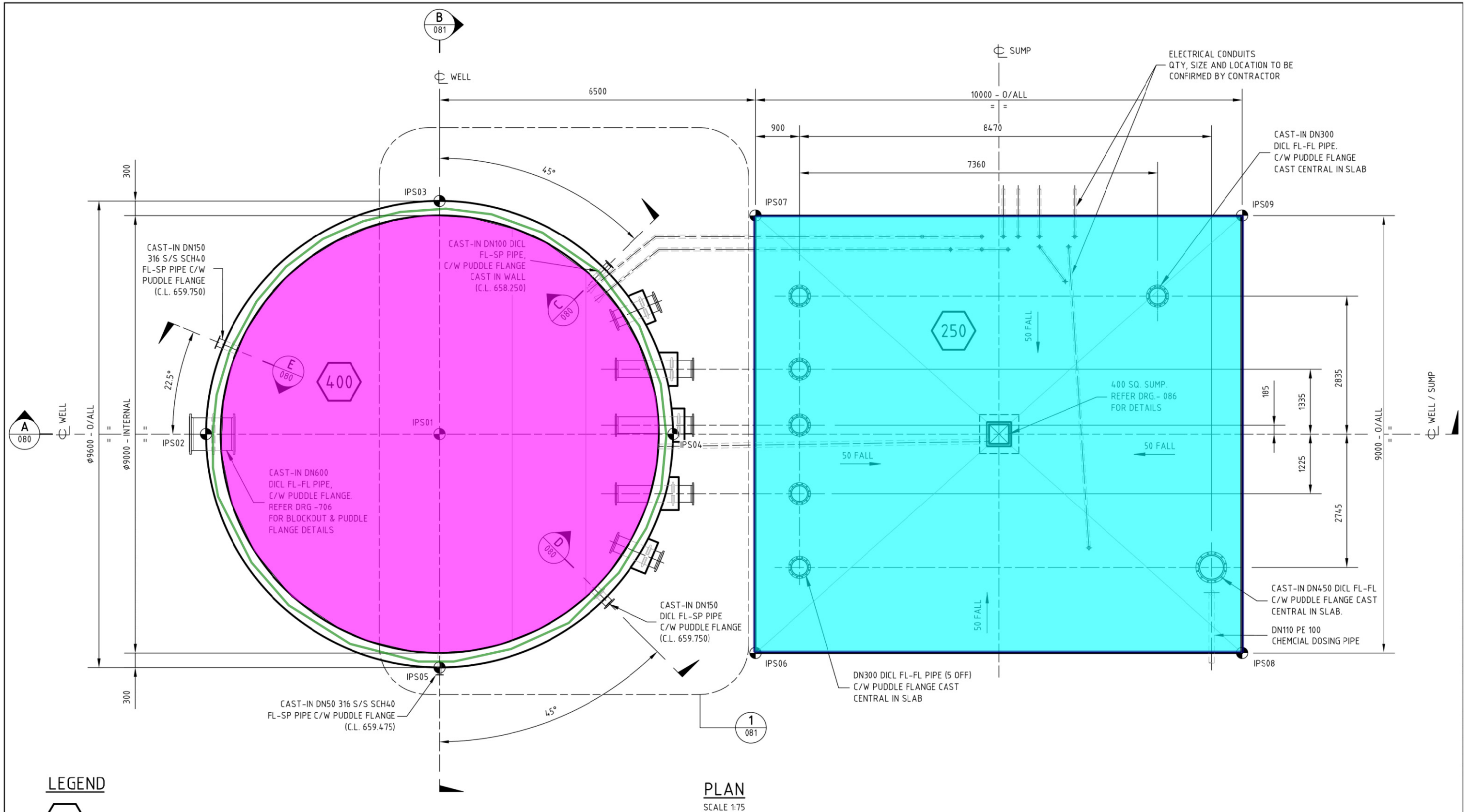
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	BM Adopted	-
VERTICAL	Datum	-
	BM Adopted	-
Reduced Level	Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**INLET WORKS**  
**REINFORCEMENT ARRANGEMENT**

Scale	Document No
1:75 at A3	<b>5949- C - 058</b>
Status	Version
<b>TENDER</b>	<b>0</b>













LEGEND

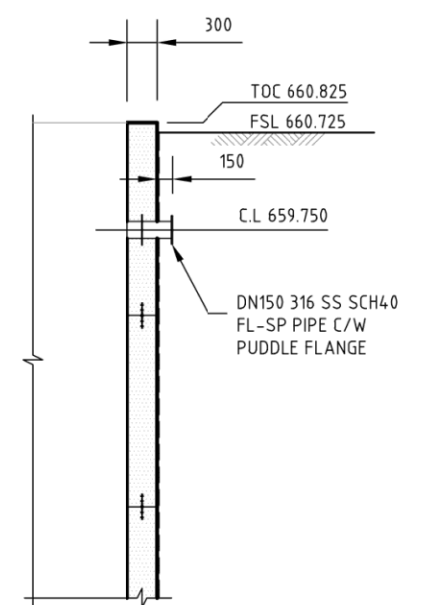
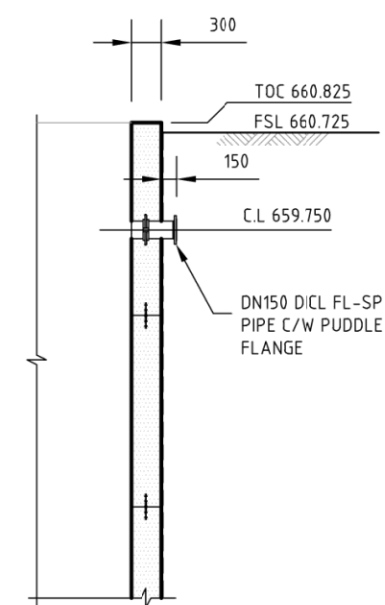
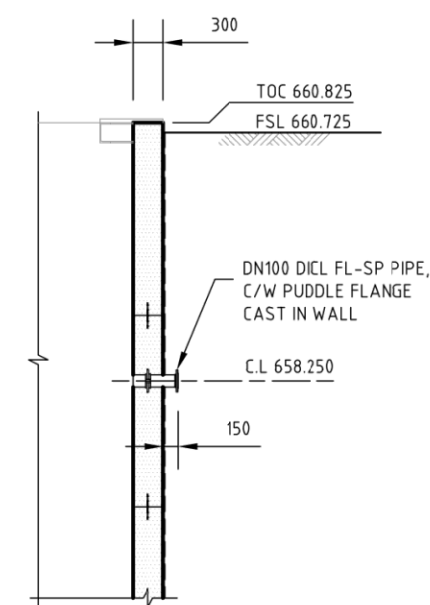
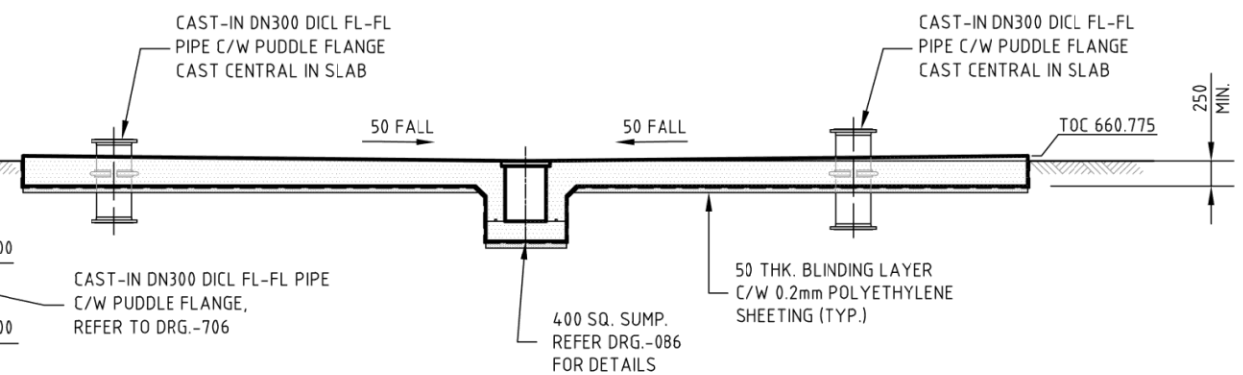
 MIN BASE SLAB THICKNESS

NOTE:

1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-075

	SLAB AREA	62.8 SQ M	
	SLAB #2	89.0 SQ M	
	CONCRETE WALL	29.2 M	
	SLAB 2 SIDING	37.8 M	

<div>erh<sub>2</sub>O</div> <div></div> <div>Wingecarribee Shire Council</div>	Designed CB	Checked TG	HORIZONTAL		WINGECARRIBEE SHIRE COUNCIL MOSS VALE STP UPGRADE INLET LIFT PUMPING STATION  CONCRETE ARRANGEMENT	Scale	Document No
	Drawn MD	Checked RKB	Co-ordinate System - BM Adopted - East - North -			1:75 at A3	5949- C - 079
	Approved J.L.SMITH		VERTICAL			Status	Version
	Date 02/06/2023	Datum - BM Adopted - Reduced Level -	TENDER			0	
HH2O Project Number 5949							



SECTION C  
SCALE 1:75

SECTION D  
SCALE 1:75 076

SECTION   
SCALE 1:75

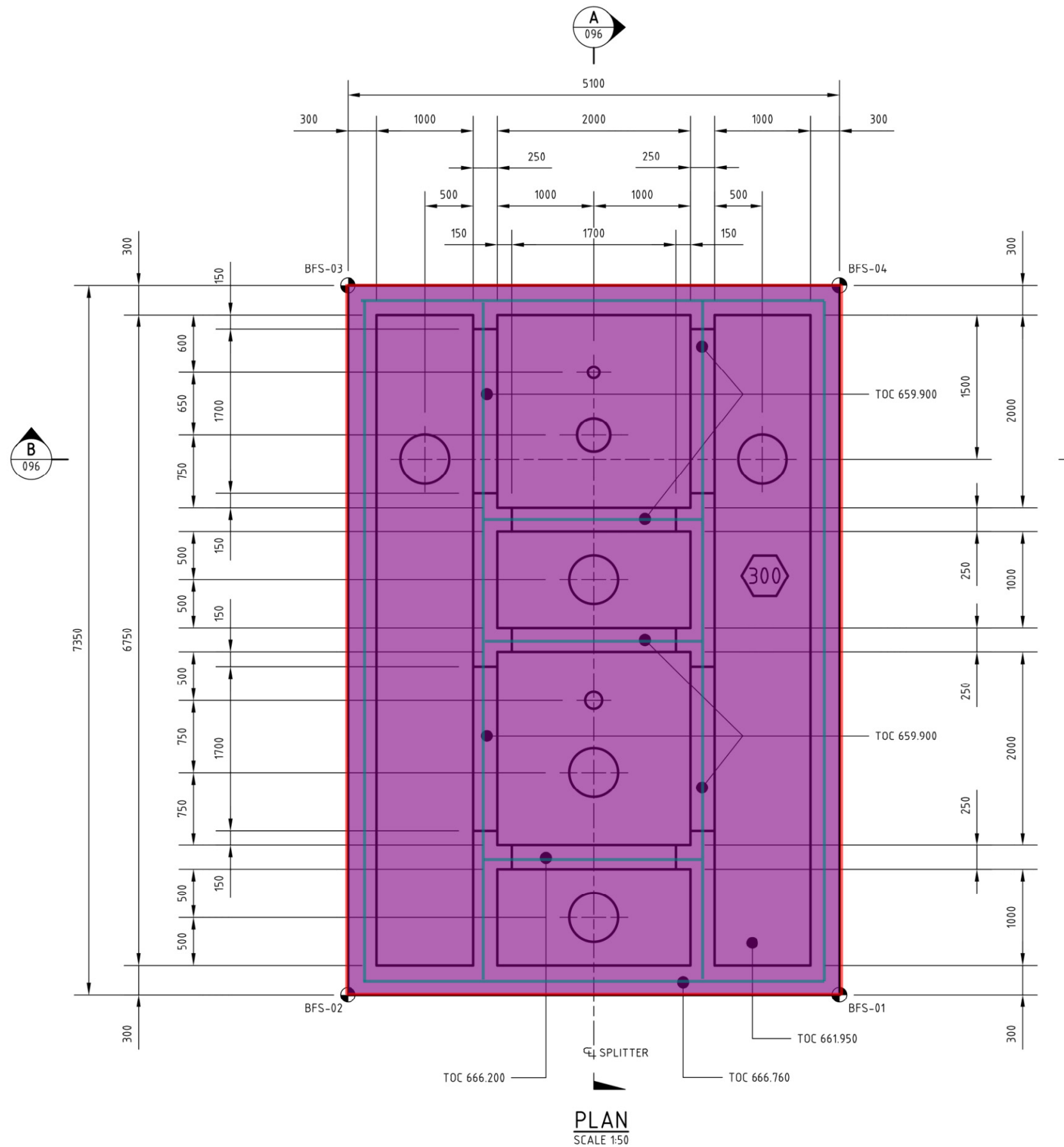
SECTION A  
079  
SCALE 1:75

1. TO BE READ IN CONJUNCTION WITH  
CONSTRUCTION JOINT DETAILS,  
REFER DRG.-704

**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
INLET LIFT PUMPING STATION

CONCRETE SECTIONS

Scale <b>1:75</b> at A3	Document No <b>5949- C - 080</b>
Status <b>TENDER</b>	Version <b>0</b>



LEGEND

300 MIN BASE SLAB THICKNESS

NOTE:

1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-090.
2. CONSTRUCTION JOINT DETAILS REFER TO DRG. -704.

AMENDMENTS

SLAB AREA 37.1 SQ M  
CONCRETE W... 44.3 M  
SLAB EDGING 24.9 M

erh<sub>2</sub>O



Designed CB  
Checked TG  
Drawn TJS  
Checked RKB  
Approved J.L.SMITH  
Date 02/06/2023  
HH2O Project Number 5949

HORIZONTAL  
Co-ordinate System -  
BM Adopted -  
East - North -  
VERTICAL  
Datum -  
BM Adopted -  
Reduced Level -



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
BIOREACTOR FEED SPLITTER  
CONCRETE ARRANGEMENT

Scale  
1:50  
at A3

Document No  
5949- C - 095

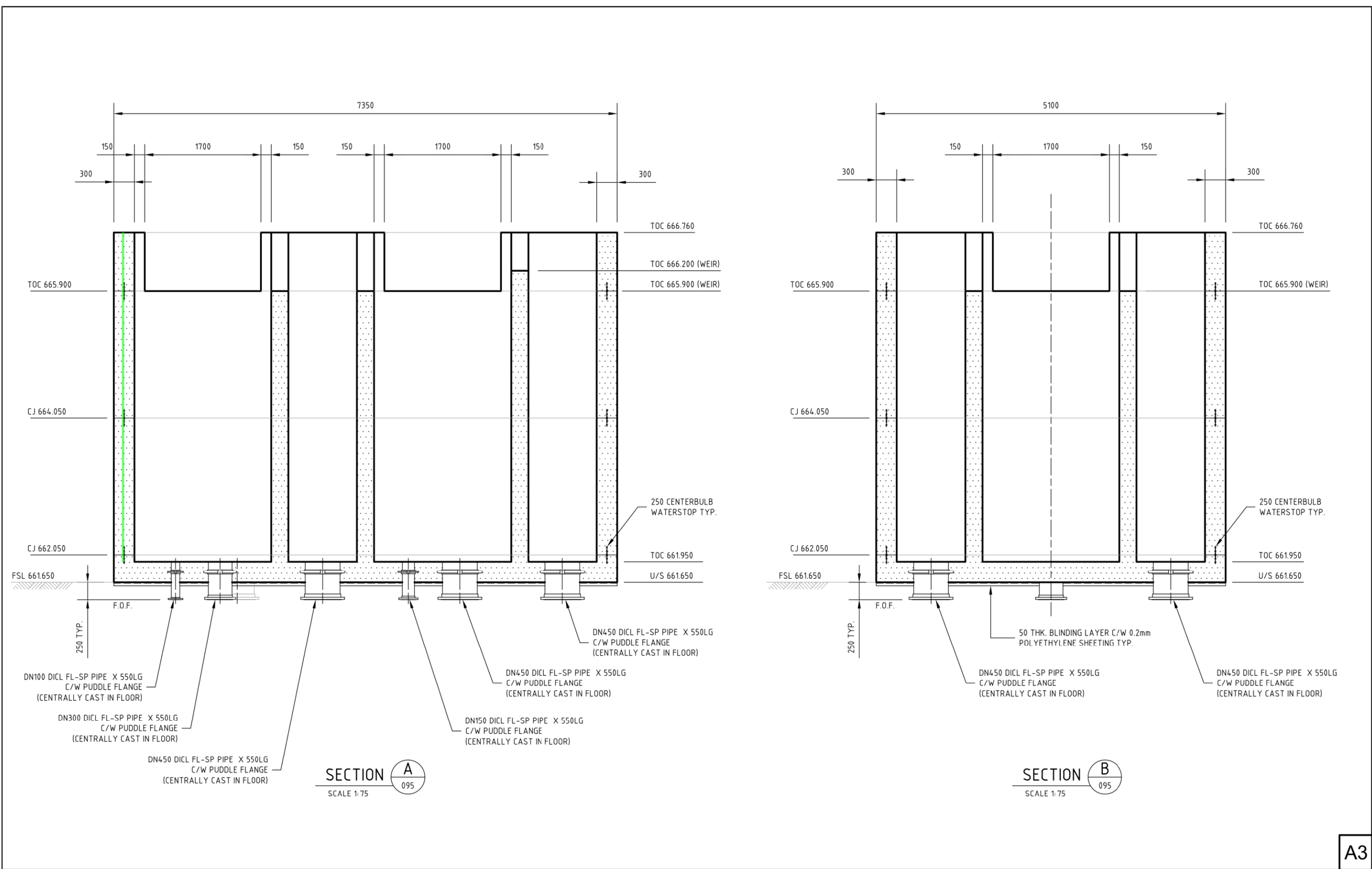
Status  
TENDER

Version  
0

A3

Ver.0314





AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS

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Designed CB

Checked TG

Drawn TJS

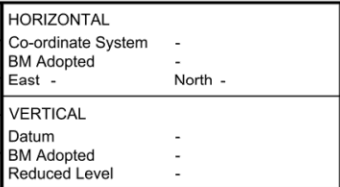
Checked RKB

Approved J.L.SMITH

Date 02/06/2023

HH2O Project Number 5949

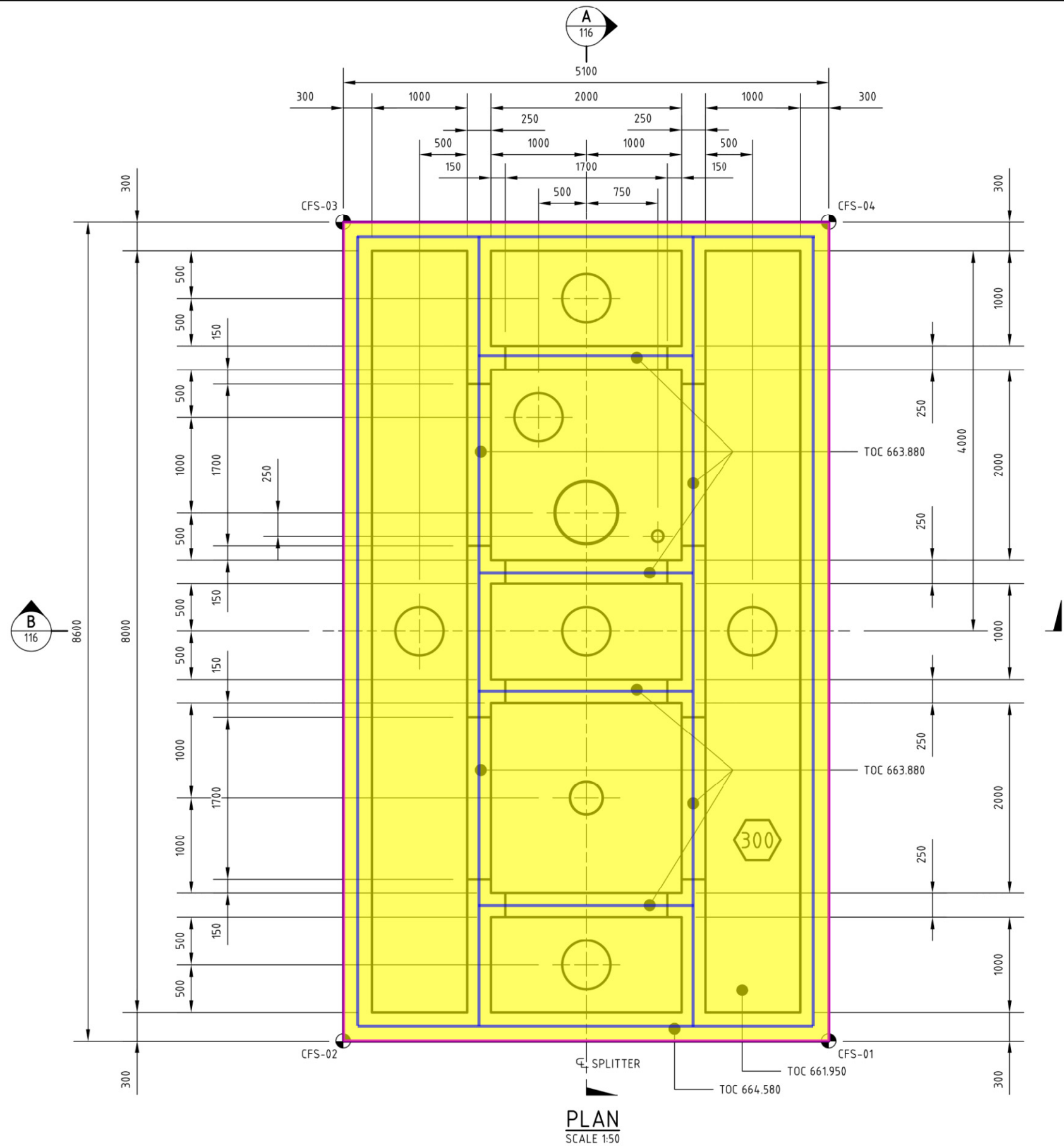
Co-ordinate System	-
BM Adopted	-
East	North
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**BIOREACTOR FEED SPLITTER**  
**CONCRETE SECTIONS**

Scale	Document No
1:50	5949- C - 096
Status	Version
TENDER	0

WALL HEIGHT 4.8 M



#### LEGEND

300 MIN BASE SLAB THICKNESS

#### NOTE:

1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-110.
2. CONSTRUCTION JOINT DETAILS REFER TO DRG. -704.

#### AMENDMENTS

SLAB AREA 43.6 SQ M  
CONCRETE W... 51.6 M  
SLAB SIDING 27.3 M

erh<sub>2</sub>O



Designed CB  
Checked TG  
Drawn TJS  
Checked RKB  
Approved J.L.SMITH  
Date 02/06/2023  
HH2O Project Number 5949

HORIZONTAL  
Co-ordinate System -  
BM Adopted -  
East - North -  
VERTICAL  
Datum -  
BM Adopted -  
Reduced Level -



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
CLARIFIER FEED SPLITTER  
CONCRETE ARRANGEMENT

Scale  
1:50  
at A3

Document No  
5949- C - 115

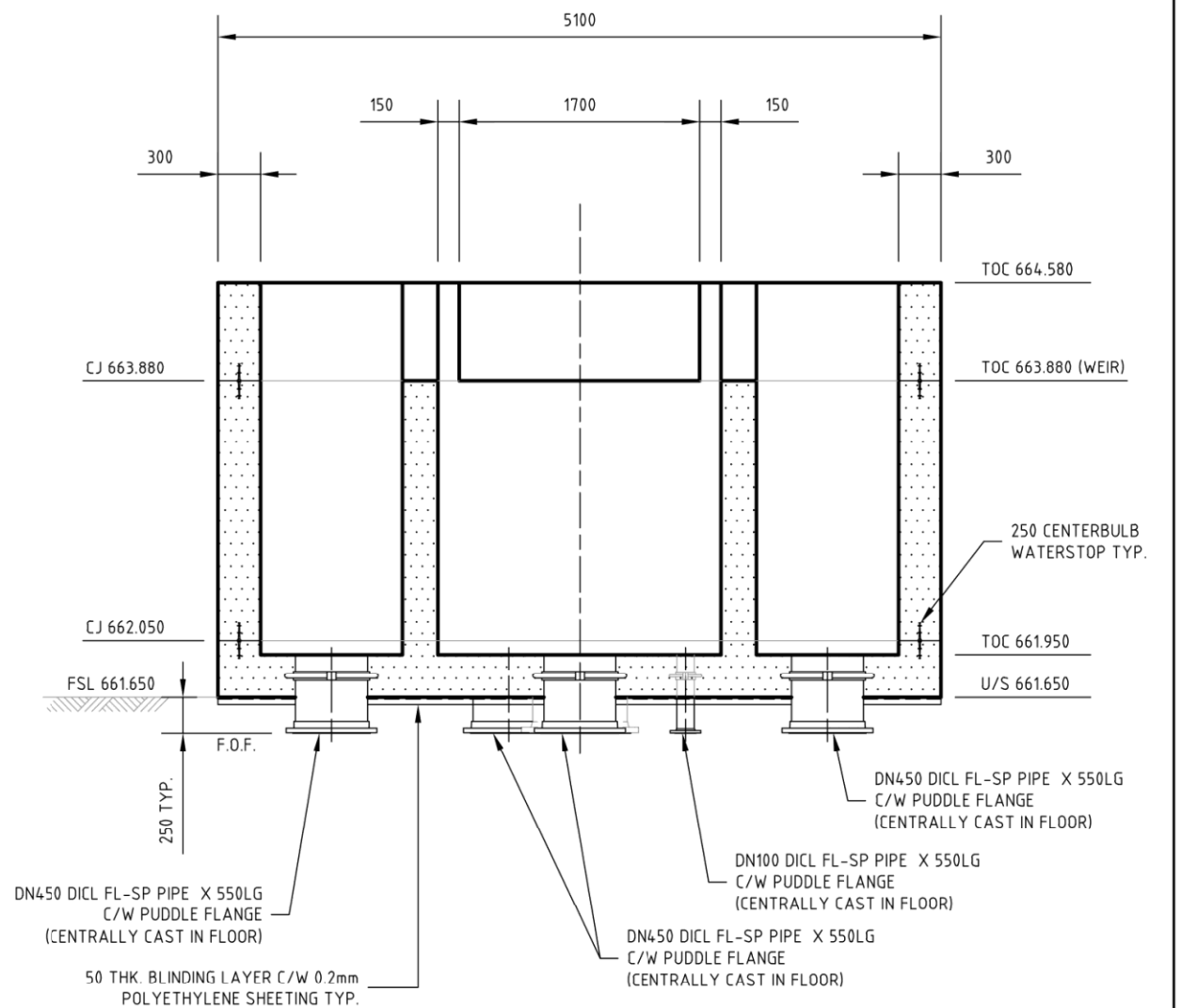
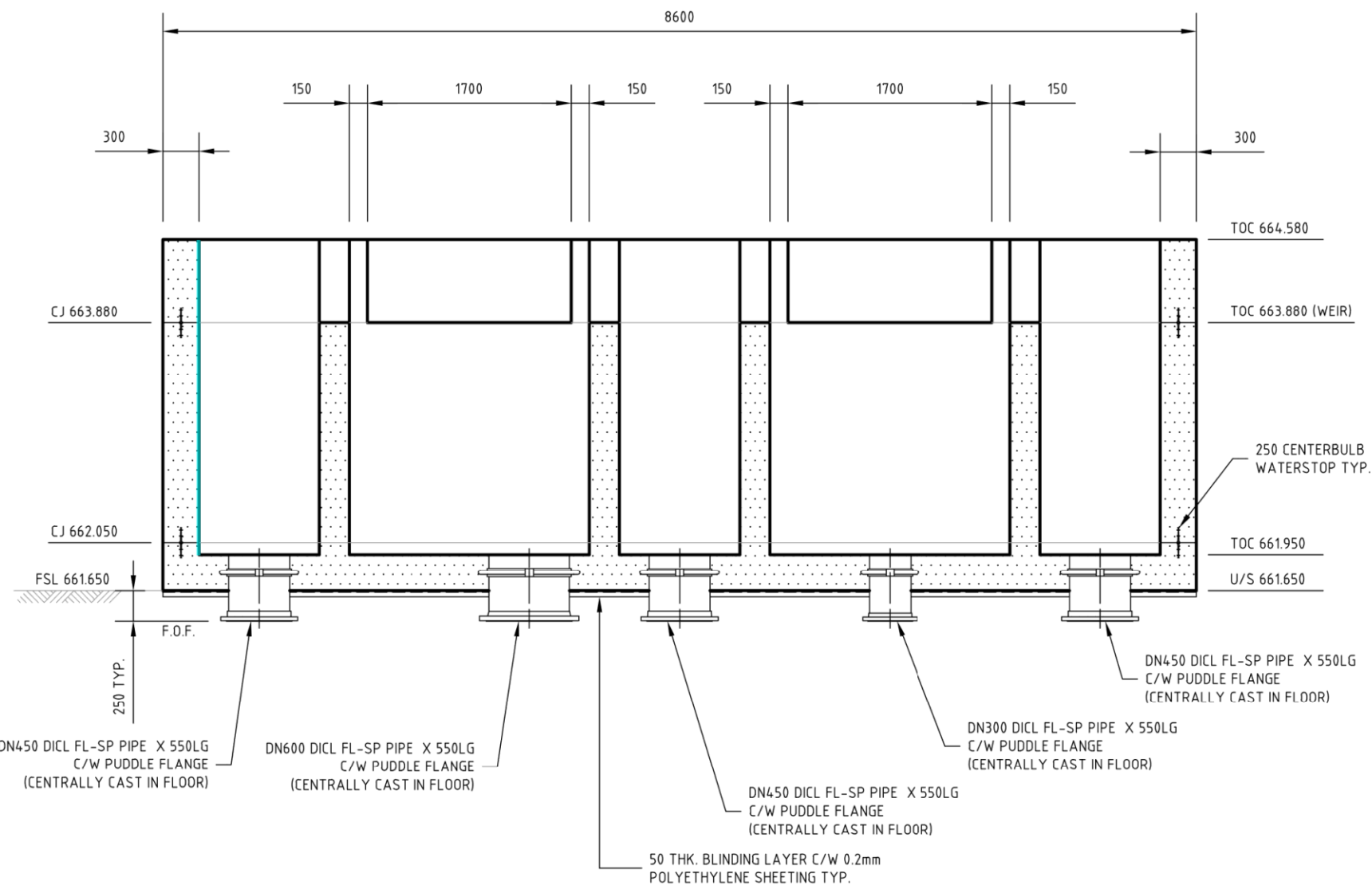
Status  
TENDER

Version  
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A3

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-111 to 123 (Clarifier Feed Splitter).dwg

Ver.0314



A3

AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS

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Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	-
North	-
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**CLARIFIER FEED SPLITTER**  
**CONCRETE SECTIONS**

Scale	1:50	Document No	5949- C - 116
Status	TENDER	Version	0

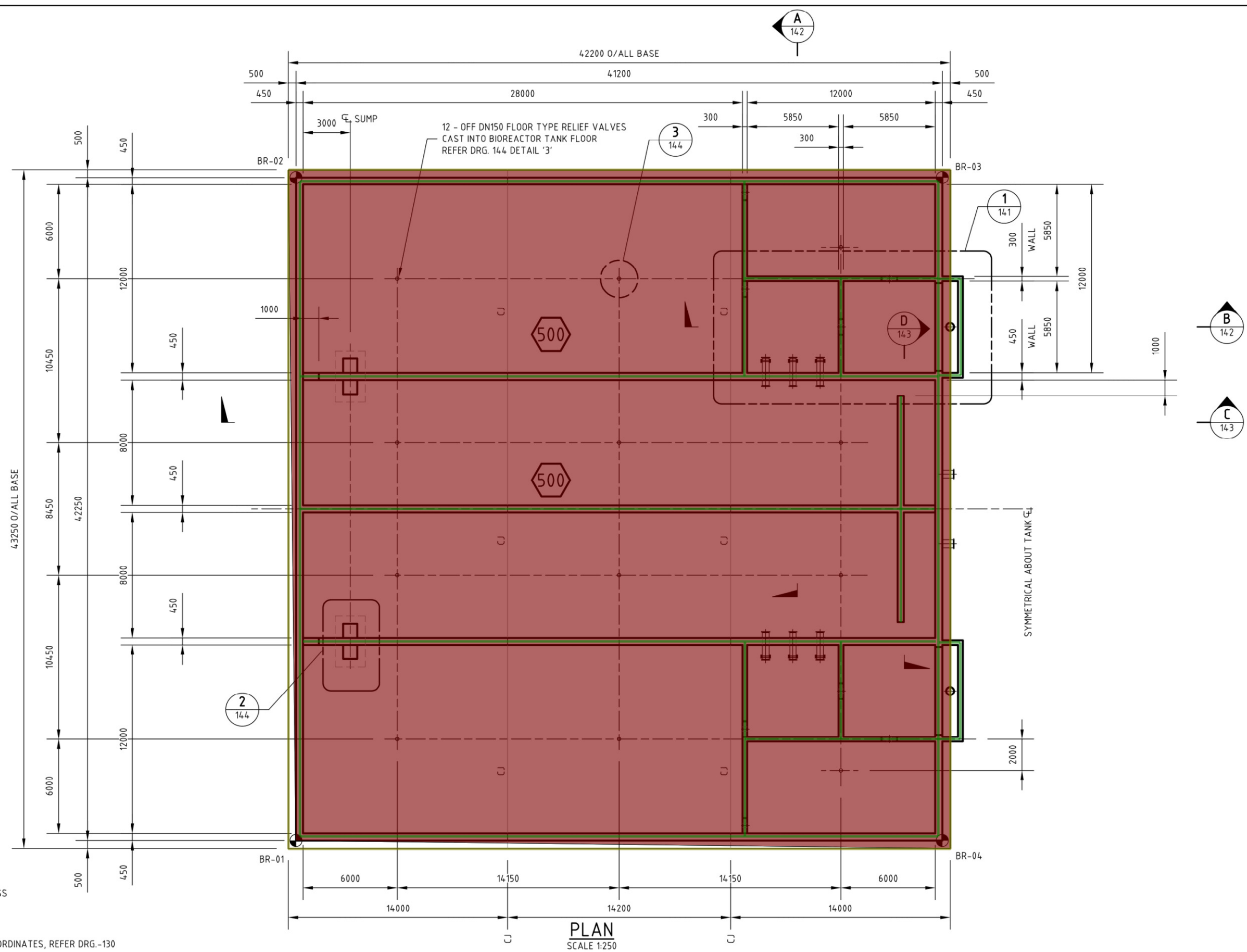
Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-111 to 123 (Clarifier Feed Splitter).dwg

Ver.0314

**WALL HEIGHT**

**2.6 M**






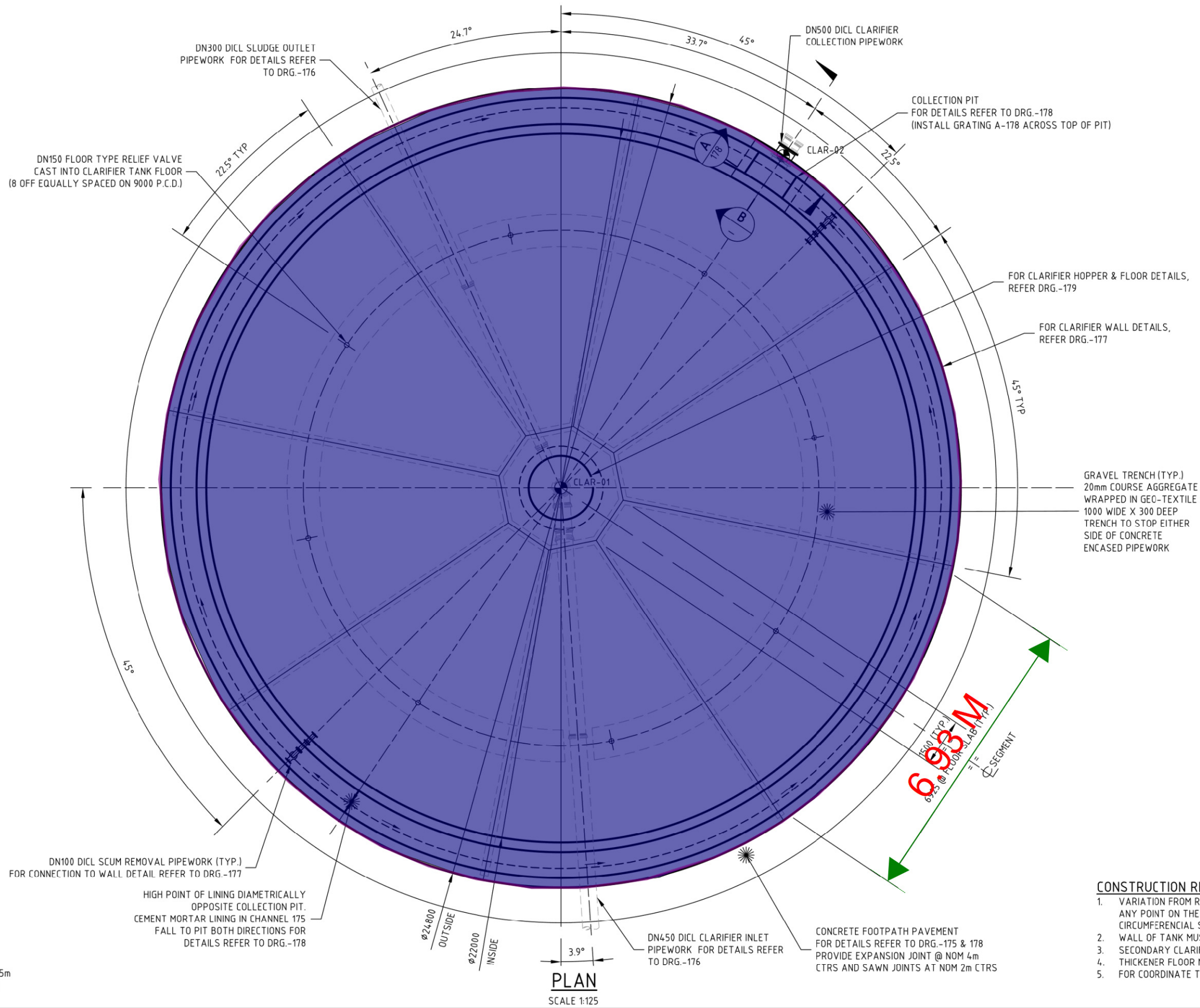
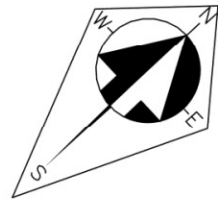


1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-130

PLAN  
SCALE 1:250

er.0314

	SLAB AREA	1790.0 SQ M	
	CONCRETE WALL	379.3 M	
	SLAB EDGING	170.2 M	



- CONSTRUCTION REQUIREMENTS AND TOLERANCES**
1. VARIATION FROM REDUCED LEVEL OF RUNWAY MUST NOT EXCEED 10mm AT ANY POINT ON THE CIRCUMFERENCE OR MORE THEN 5mm IN ANY 2000mm CIRCUMFERENTIAL SECTION.
  2. WALL OF TANK MUST BE CONCENTRIC WITHIN 25mm OFF THE DIAMETER.
  3. SECONDARY CLARIFIER FLOOR TO BE CONSTRUCTED IN (8) EQUAL SEGMENTS.
  4. THICKENER FLOOR MUST BE SCREEDED RADIALLY.
  5. FOR COORDINATE TABLE REFER TO DRG.-170.

A3

AMENDMENTS			

**hunterh<sub>2</sub>O**

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Drawn       TJS	Checked    RKB
Approved    J.L.SMITH	
Date	02/06/2023
HH2O Project Number    5949	

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	-
North	-
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**CLARIFIER - A & B**  
**CLARIFIER - A**  
**CONCRETE ARRANGEMENT**

Scale	1:125
at A3	

Document No	5949- C - 173
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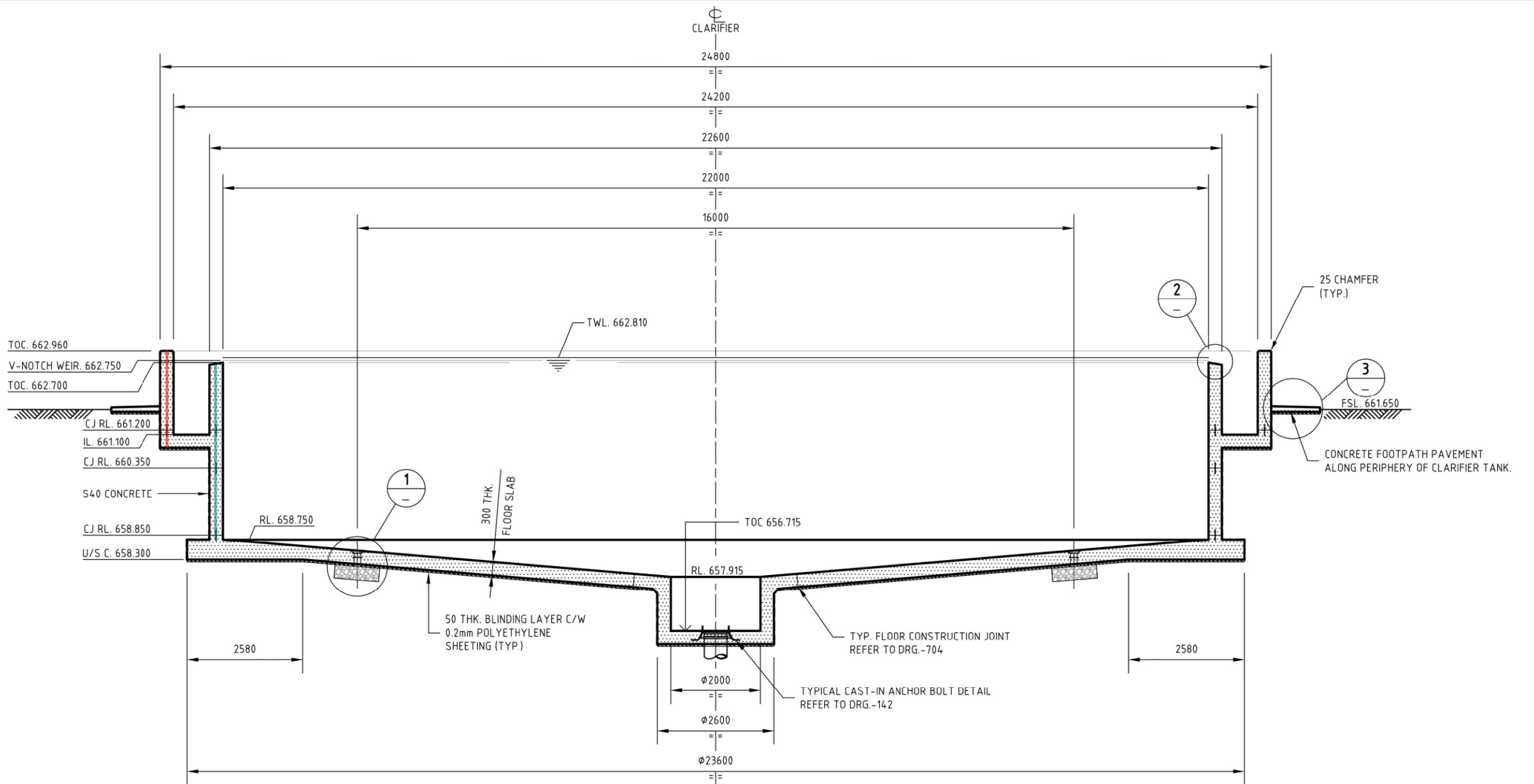
Status	<b>TENDER</b>	Version	0
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**SLAB AREA 282.6 SQ M**  
**CONCRETE WALL 59.6 M**

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-171 to 184 (Clarifiers).dwg

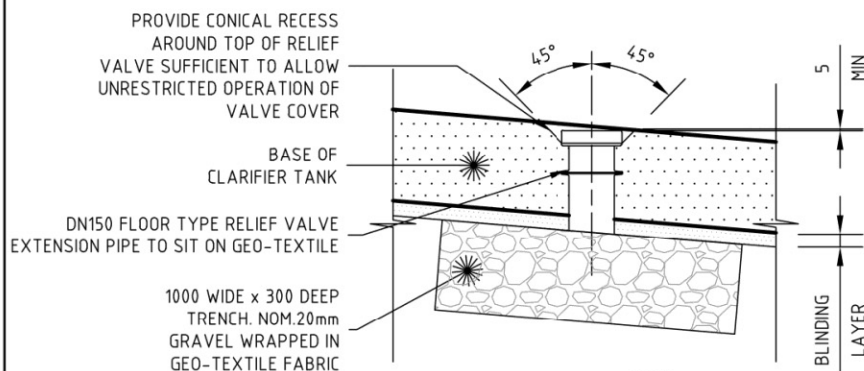
Ver.0314



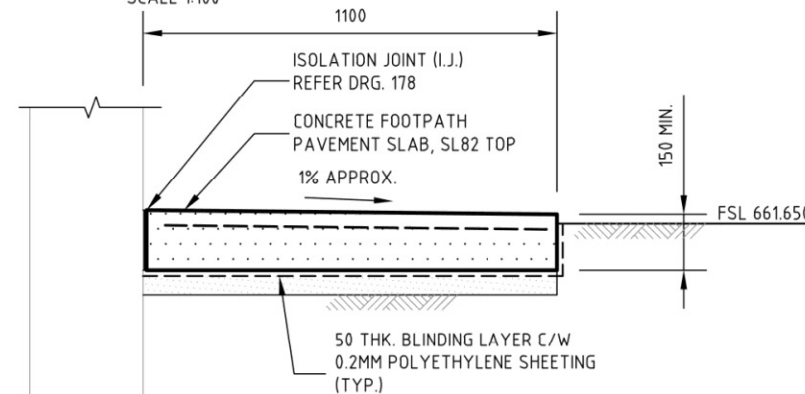


**TYPICAL SECTION**

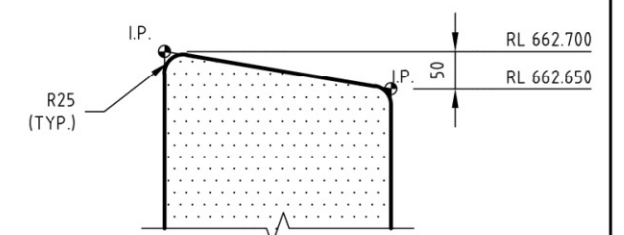
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**DETAIL 1**  
SCALE 1: 25



**DETAIL 3**  
SCALE 1: 20



**DETAIL 2**  
SCALE 1: 10



AMENDMENTS			

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Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	-
North	-
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**CLARIFIER - A & B**

**TYPICAL CONCRETE SECTIONS**

Scale	Document No
<b>AS NOTED</b> at A3	<b>5949- C - 175</b>
Status	Version
<b>TENDER</b>	<b>0</b>

**A3**

Ver.0314

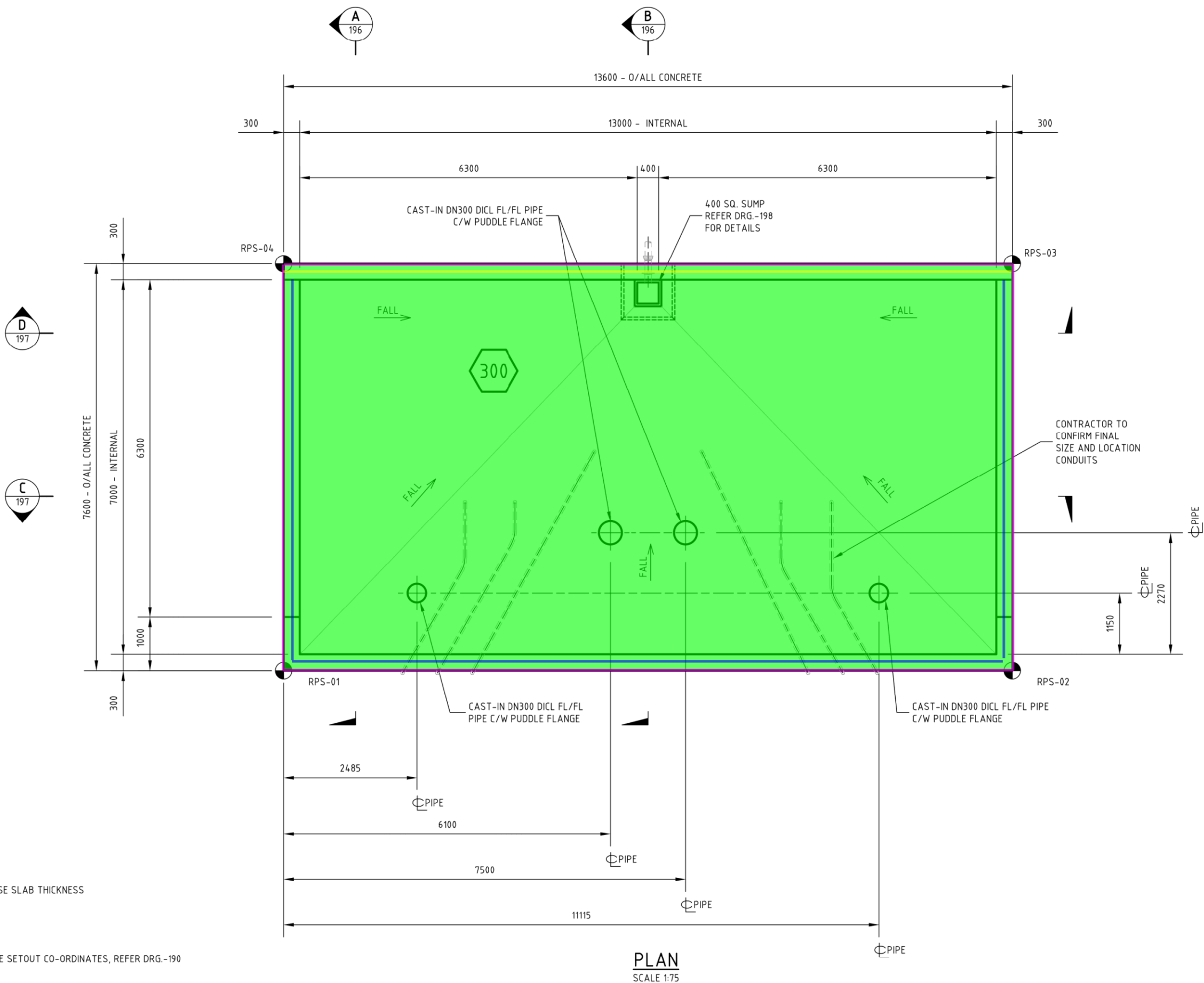
**WALL A**  
**WALL B**

**3.9 M**  
**2.2 M**



Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-171 to 184 (Clarifiers).dwg





**LEGEND**

300 MIN BASE SLAB THICKNESS

**NOTE:**

1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-190

**PLAN**  
SCALE 1:75

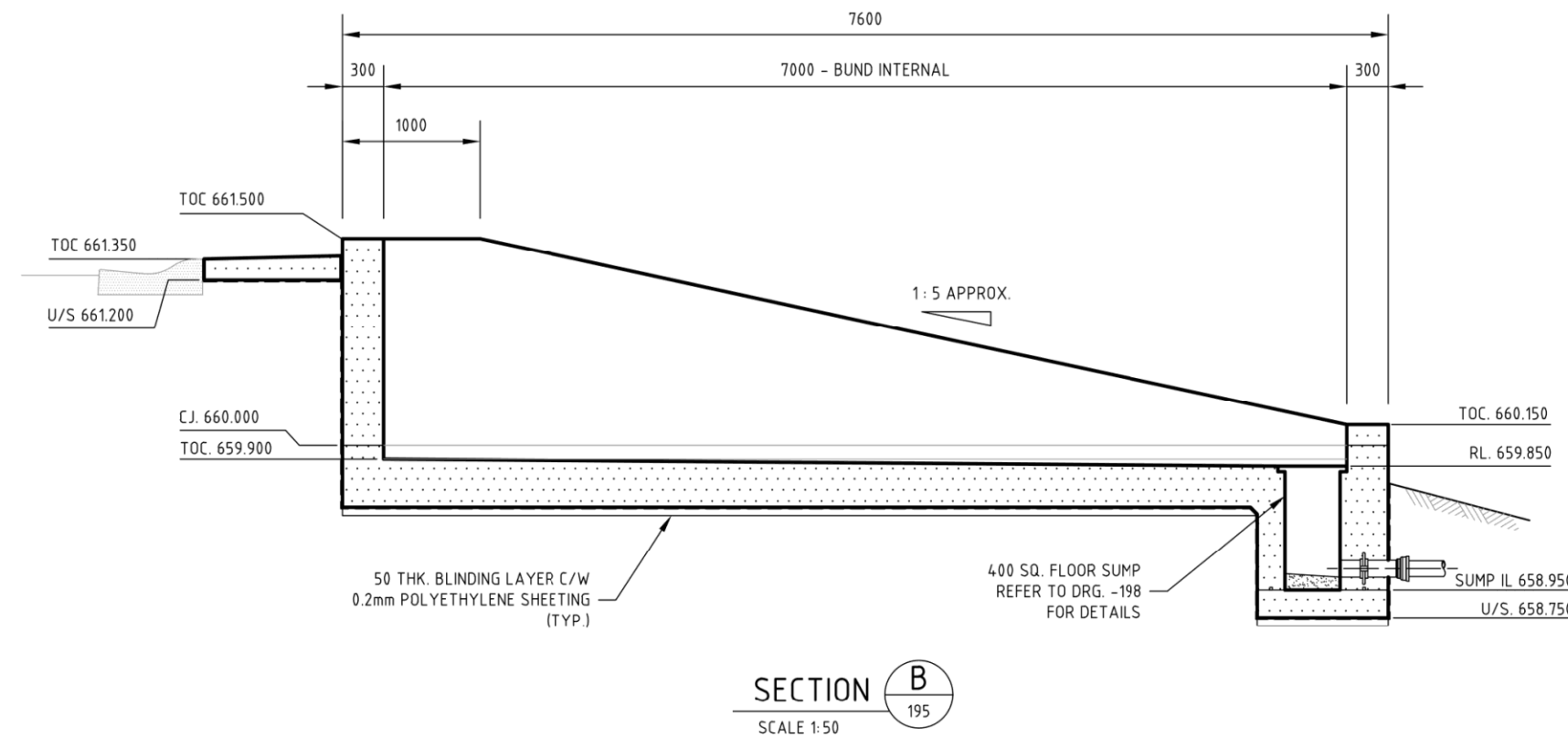
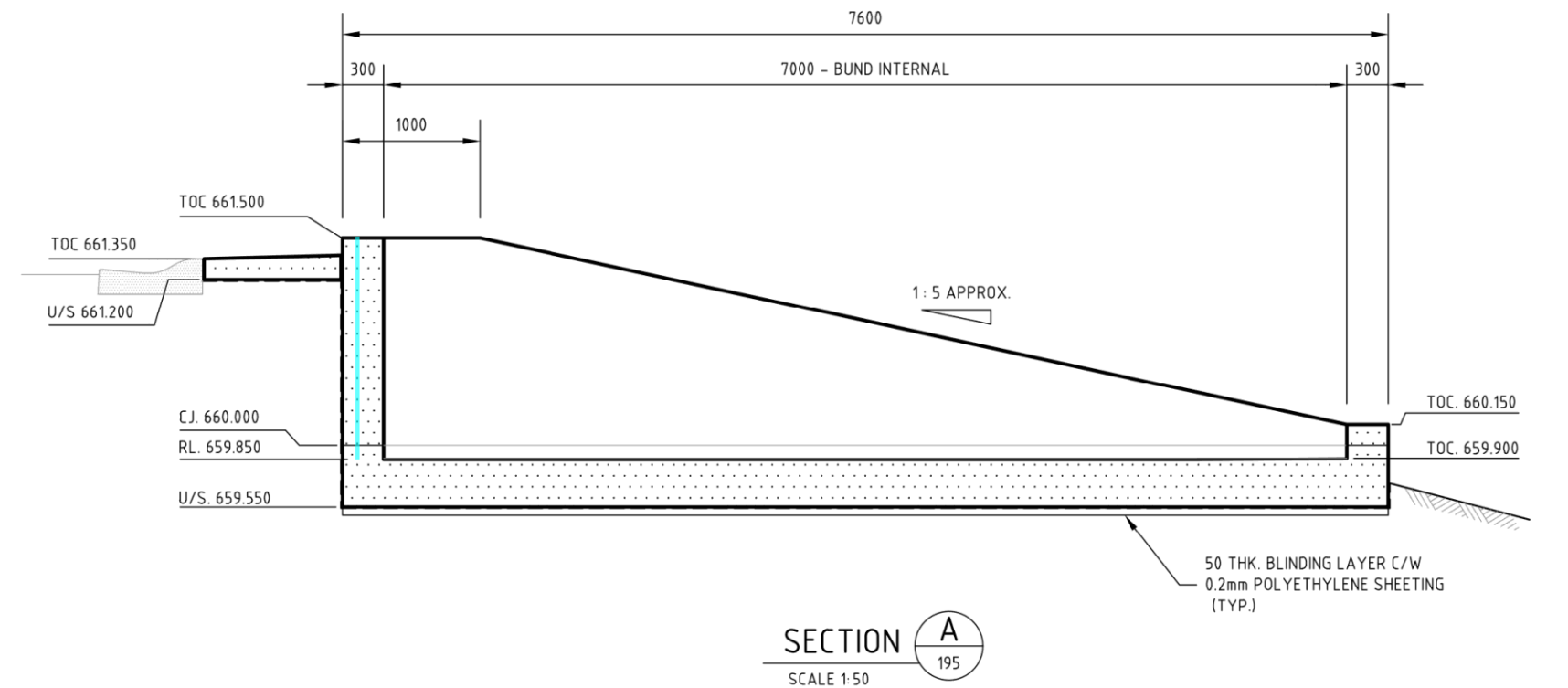
**A3**

AMENDMENTS	
CONCRETE A...	102.2 SQ M
CONCRETE WALL A	13.6 M
CONCRETE WALL B	27.4 M
SLAB EDGING	42.2 M

<div>erh<sub>2</sub>o</div> <div><div><div><div><div></div><div>WINGECARRIBEE SHIRE COUNCIL</div></div><div><div>1:75</div><div>at A3</div></div></div><div><div><div><div></div><div>WINGECARRIBEE SHIRE COUNCIL</div></div><div><div>1:75</div><div>at A3</div></div></div><div><div><div><div></div><div>WINGECARRIBEE SHIRE COUNCIL</div></div><div><div>1:75</div><div>at A3</div></div></div></div></div></div></div>	Designed CB	Checked TG	HORIZONTAL	<div><div>Wingecarribee SHIRE COUNCIL</div></div>	WINGECARRIBEE SHIRE COUNCIL		Scale	Document No		
	Drawn M.D.	Checked RKB	Co-ordinate System - BM Adopted - East - North -		MOSS VALE STP UPGRADE		1:75		5949- C - 195	
	Approved J.L.SMITH		VERTICAL		RAS PUMPING STATION		Status		Version	
	Date 02/06/2023		Datum - BM Adopted - Reduced Level -		CONCRETE ARRANGEMENT		TENDER		0	
HH2O Project Number 5949										

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-191 to 202 (RAS PS).dwg

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A3

AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS
Ver	Date	Description	Drawn

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ABN 16 602 201 552

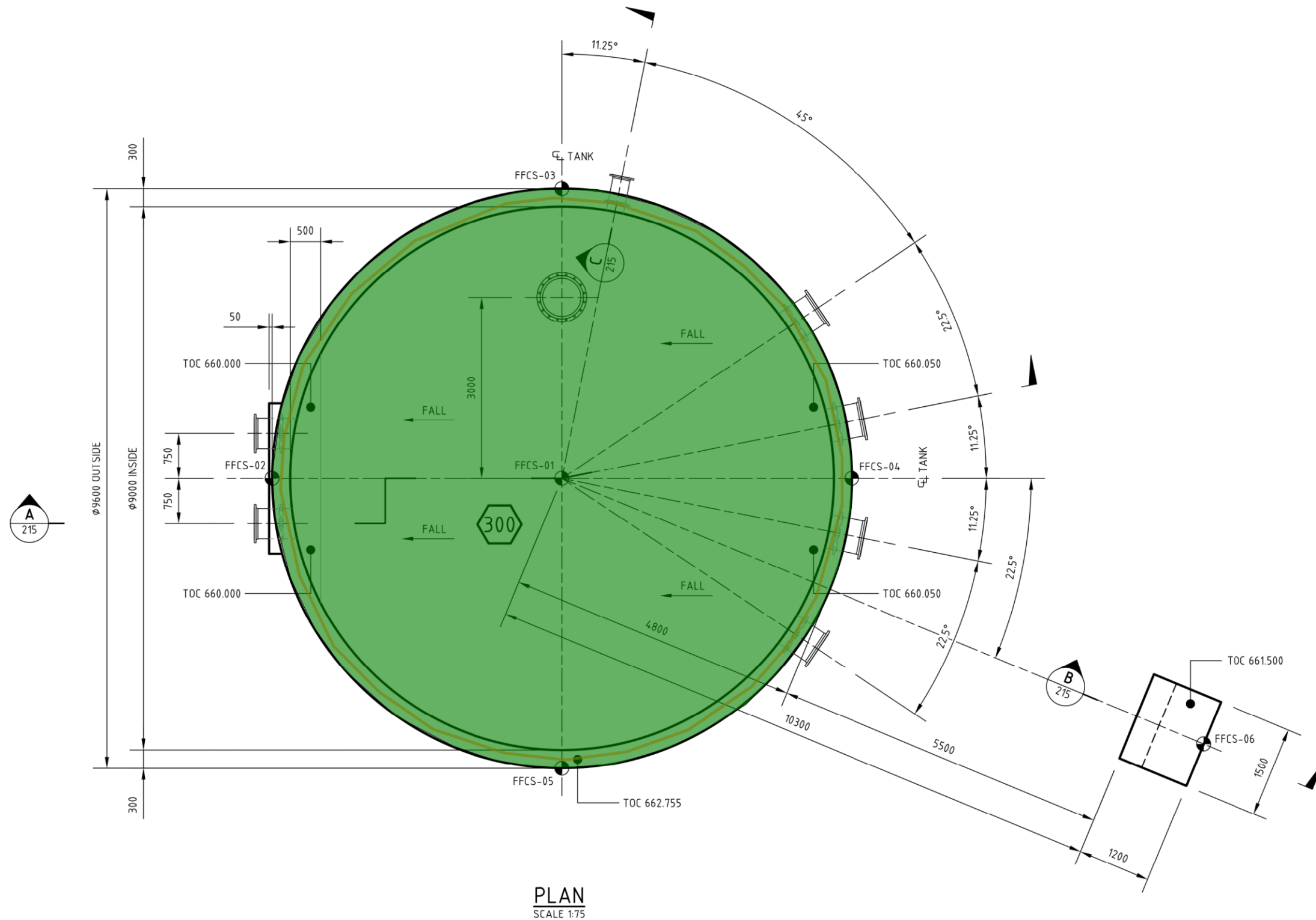
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Drawn	M.D.	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**RAS PUMPING STATION**  
  
CONCRETE SECTIONS SHT. 1 OF 2

Scale	1:50 at A3	Document No	5949- C - 196
Status	<b>TENDER</b>	Version	<b>0</b>



### LEGEND

300 MIN BASE SLAB THICKNESS

### NOTE:

- FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-210.
- CONSTRUCTION JOINT DETAILS REFER TO DRG. -704.

0 0.75 1.5 2.25m  
1:75

hunterh<sub>2</sub>O



Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
FILTER FEED CONTROL STATION  
CONCRETE ARRANGEMENT

Scale  
1:75  
at A3

Document No  
5804- C - 214

Status  
TENDER

Version  
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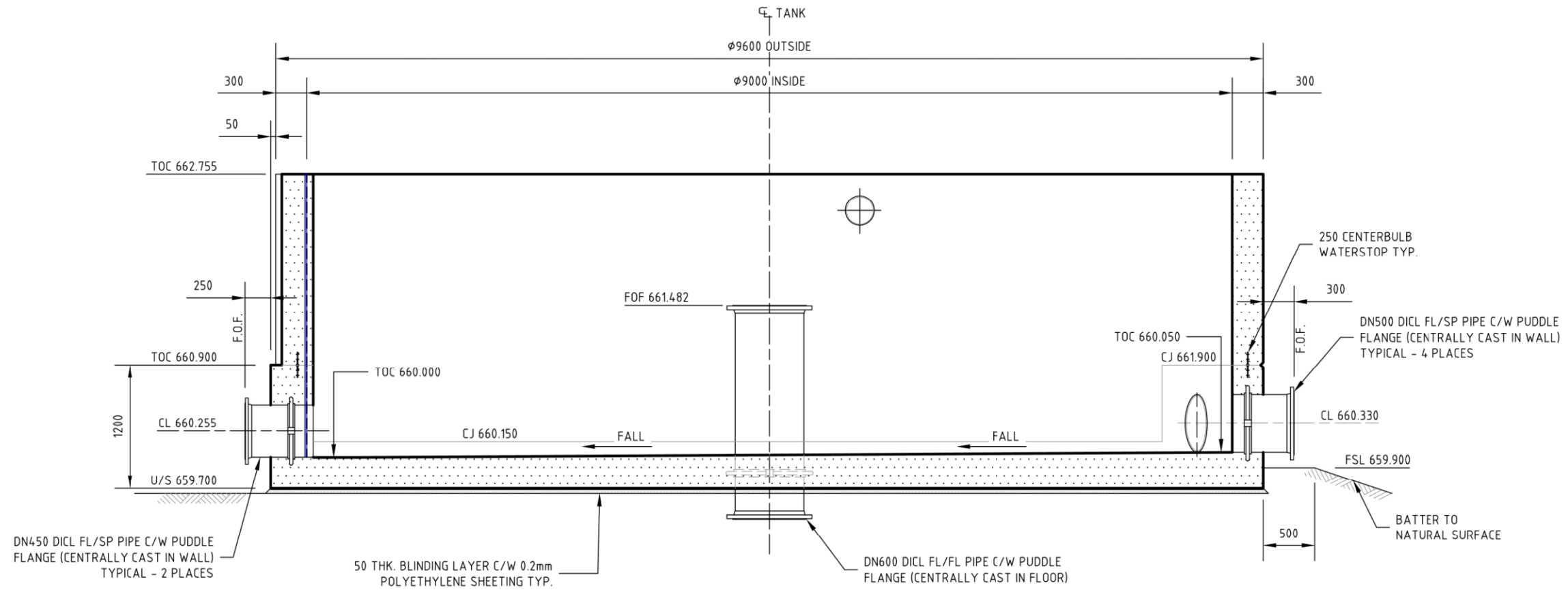
A3

Ver.0314

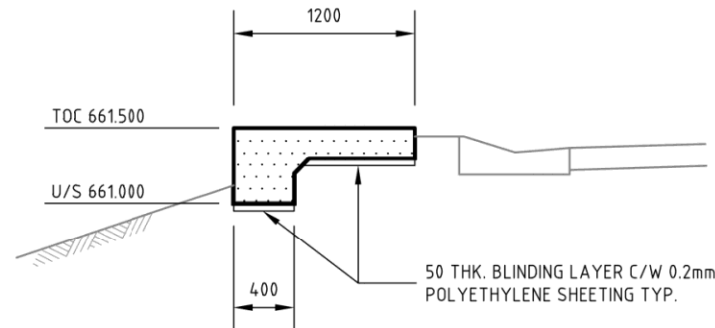
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CONCRET... 29.1 M

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-211 to 218 (Filter Feed Control Station).dwg

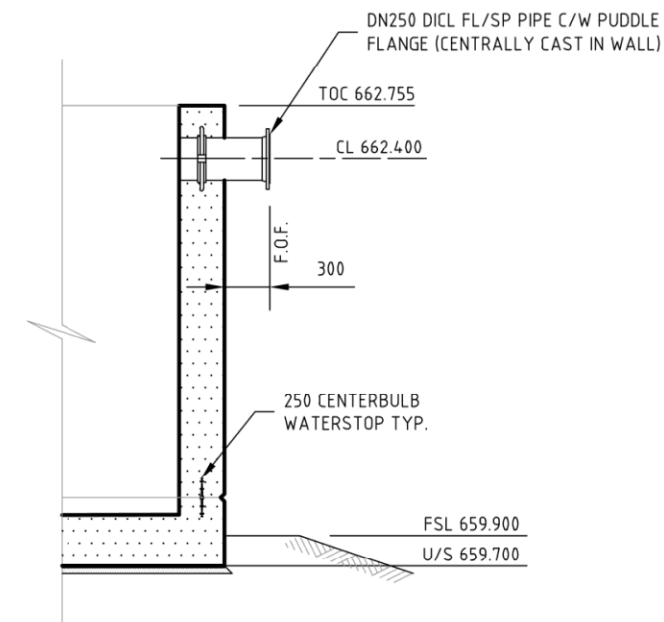




SECTION A  
SCALE 1:50



SECTION B  
SCALE 1:50



SECTION C  
SCALE 1:50

A3

AMENDMENTS			
0	02/06/23	TENDER ISSUE	TJS

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Hunter H2O Holdings Pty Limited  
ABN 16 602 201 552



Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**FILTER FEED CONTROL STATION**  
**CONCRETE SECTIONS**

Scale	1:50	Document No	5804- C - 215
Status	TENDER	Version	0

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-211 to 218 (Filter Feed Control Station).dwg

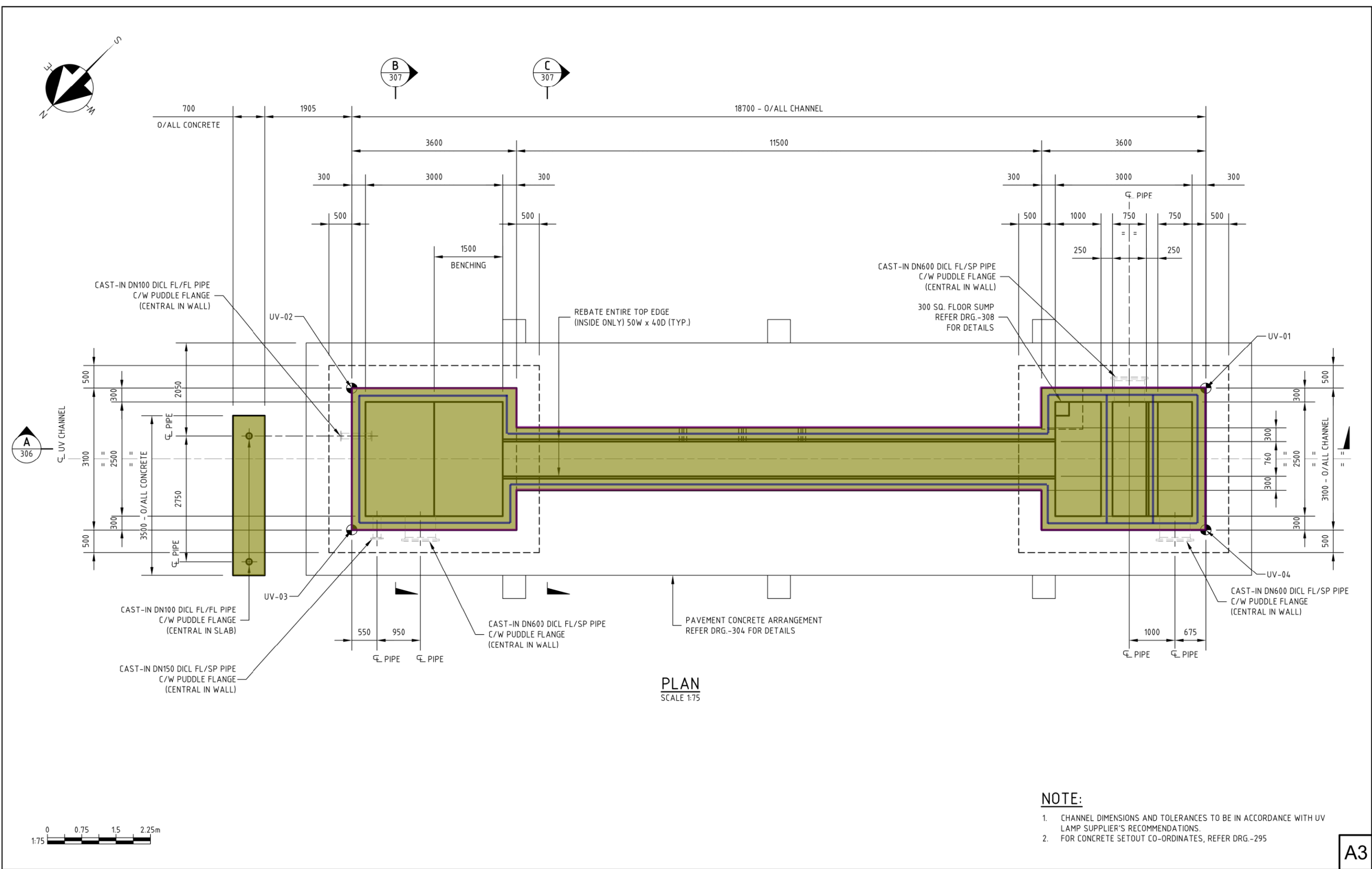
Ver.0314

**WALL HEIGHT**

**2.8 M**






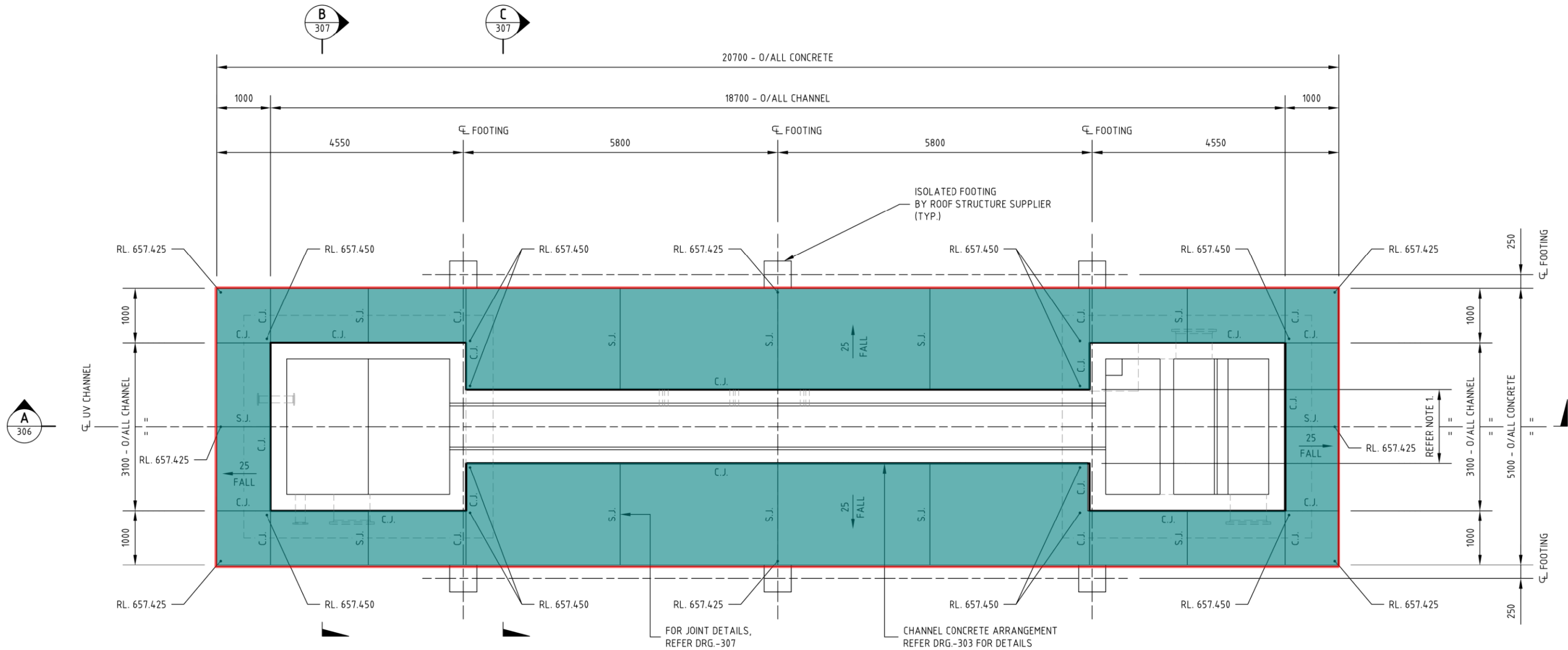


- NOTE:**
- 1. CHANNEL DIMENSIONS AND TOLERANCES TO BE IN ACCORDANCE WITH UV LAMP SUPPLIER'S RECOMMENDATIONS.
  - 2. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-295

**A3**

<b>AMENDMENTS</b>		<b>erh<sub>2</sub>O</b>		<b>WINGECARRIBEE SHIRE COUNCIL</b>		<b>MOSS VALE STP UPGRADE</b>		<b>UV FACILITY</b>		<b>CHANNEL CONCRETE ARRANGEMENT</b>		Scale <b>1:75</b> at A3		Document No <b>5949- C - 303</b>	
<b>SLAB AREA 40.3 SQ M</b>		<b>CONCRETE W... 51.1 M</b>		<b>SLAB EDGING 46.9 M</b>		Designed CB Checked TG Drawn TJS Checked RKB Approved J.L.SMITH Date 02/06/2023 HH2O Project Number 5949		HORIZONTAL Co-ordinate System - BM Adopted - East - North - VERTICAL Datum - BM Adopted - Reduced Level -				Status <b>TENDER</b>		Version <b>0</b>	
<small>Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-296 to 312 (UV Channel).dwg</small>												<small>Ver.0314</small>			





PLAN  
SCALE 1:75

NOTE:

1. CHANNEL DIMENSIONS AND TOLERANCES TO BE IN ACCORDANCE WITH UV LAMP SUPPLIER'S RECOMMENDATIONS.

A3

AMENDMENTS		

hunterh<sub>2</sub>O

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed    CB	Checked    TG
Drawn       TJS	Checked    RKB
Approved    J.L.SMITH	
Date	02/06/2023
HH2O Project Number    5949	

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-

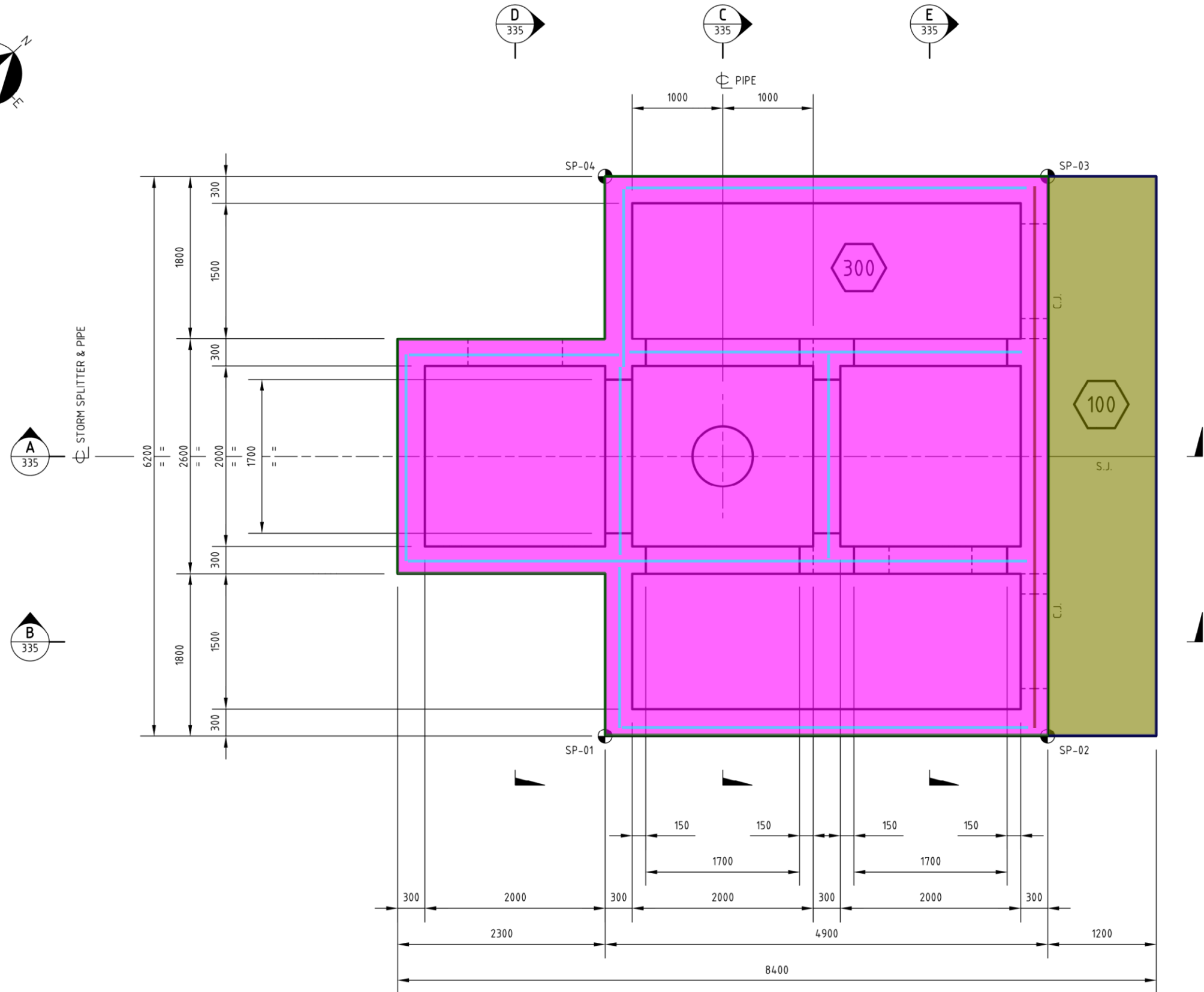
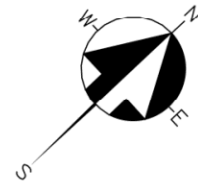


WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
UV FACILITY  
PAVEMENT CONCRETE ARRANGEMENT

Scale	Document No
1:75 at A3	5949- C - 304
Status	Version
TENDER	0

PAVEMENT AR... 67.7 SQ M  
PAVEMENT EDGI... 51.5 M





# LEGEND

100 MIN BASE SLAB THICKNESS

PLAN  
SCALE 1:50

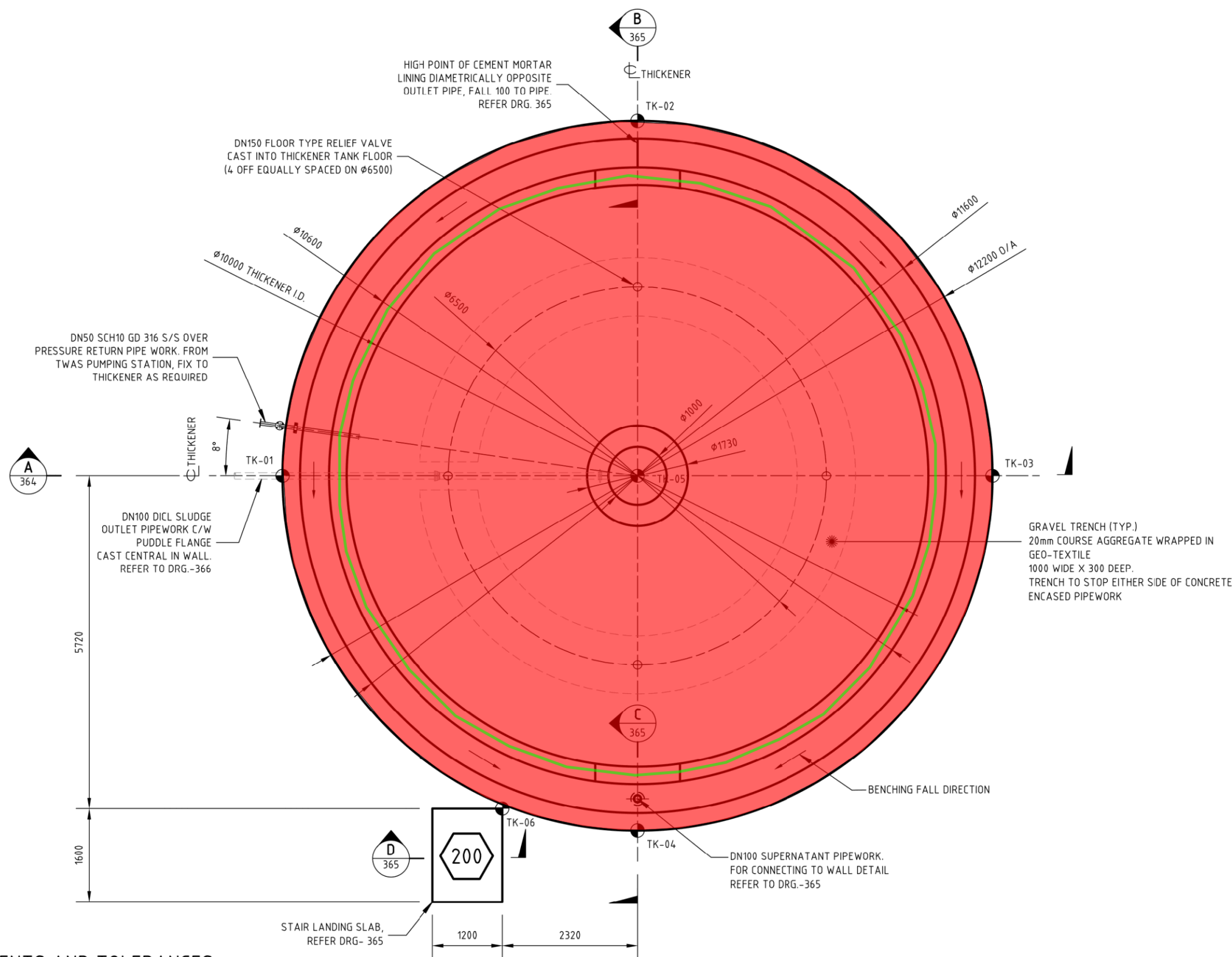
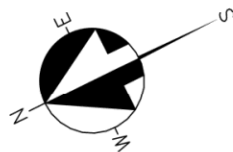
SLAB AREA	36.1 SQ M
CONCRETE WALL A	32.7 M
CONCRETE WALL B	6.0 M
SLAB EDGING	26.7 M
PAVEMENT AREA	7.3 SQ M
PAVEMENT EDGING	8.5 M

CONSTRUCTION DETAILS. (TYP.)

<div>erh<sub>2</sub>O</div> <div><div><div></div><div>100%</div><div>SGS</div></div><div><div></div><div>100%</div><div>SGS</div></div><div><div></div><div>100%</div><div>SGS</div></div></div>	Designed CB	Checked TG	<div>HORIZONTAL</div> <div>Co-ordinate System -</div> <div>BM Adopted -</div> <div>East - North -</div>	<div></div>	<div>WINGECARRIBEE SHIRE COUNCIL</div> <div>MOSS VALE STP UPGRADE</div> <div>STORM SPLITTER</div> <div>CONCRETE ARRANGEMENT</div>	Scale	Document No
	Drawn TJS	Checked RKB				1:50 at A3	5949- C - 334
	Approved J.L.SMITH		<div>VERTICAL</div> <div>Datum -</div> <div>BM Adopted -</div> <div>Reduced Level -</div>			Status	Version
	Date 02/06/2023					TENDER	0
	HH2O Project Number 5949						

A3





LEGEND

200 MIN BASE SLAB THICKNESS

CONSTRUCTION REQUIREMENTS AND TOLERANCES

1. VARIATION FROM REDUCED LEVEL OF RUNWAY MUST NOT EXCEED 10mm AT ANY POINT ON THE CIRCUMFERENCE OR MORE THEN 5mm IN ANY 2000mm CIRCUMFERENTIAL SECTION.
2. WALL OF TANK MUST BE CONCENTRIC WITHIN 25mm OFF THE DIAMETER.
3. THICKENER FLOOR MUST BE SCREEDED RADICALLY
4. FOR SETOUT COORDINATE TABLE, REFER TO DRG.-360

0 0.75 1.5 2.25m  
1:75

PLAN  
SCALE 1:75

AMENDMENTS			

hunterh<sub>2</sub>O

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed	CB	Checked	TG
Drawn	MD	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
THICKENER  
CONCRETE ARRANGEMENT

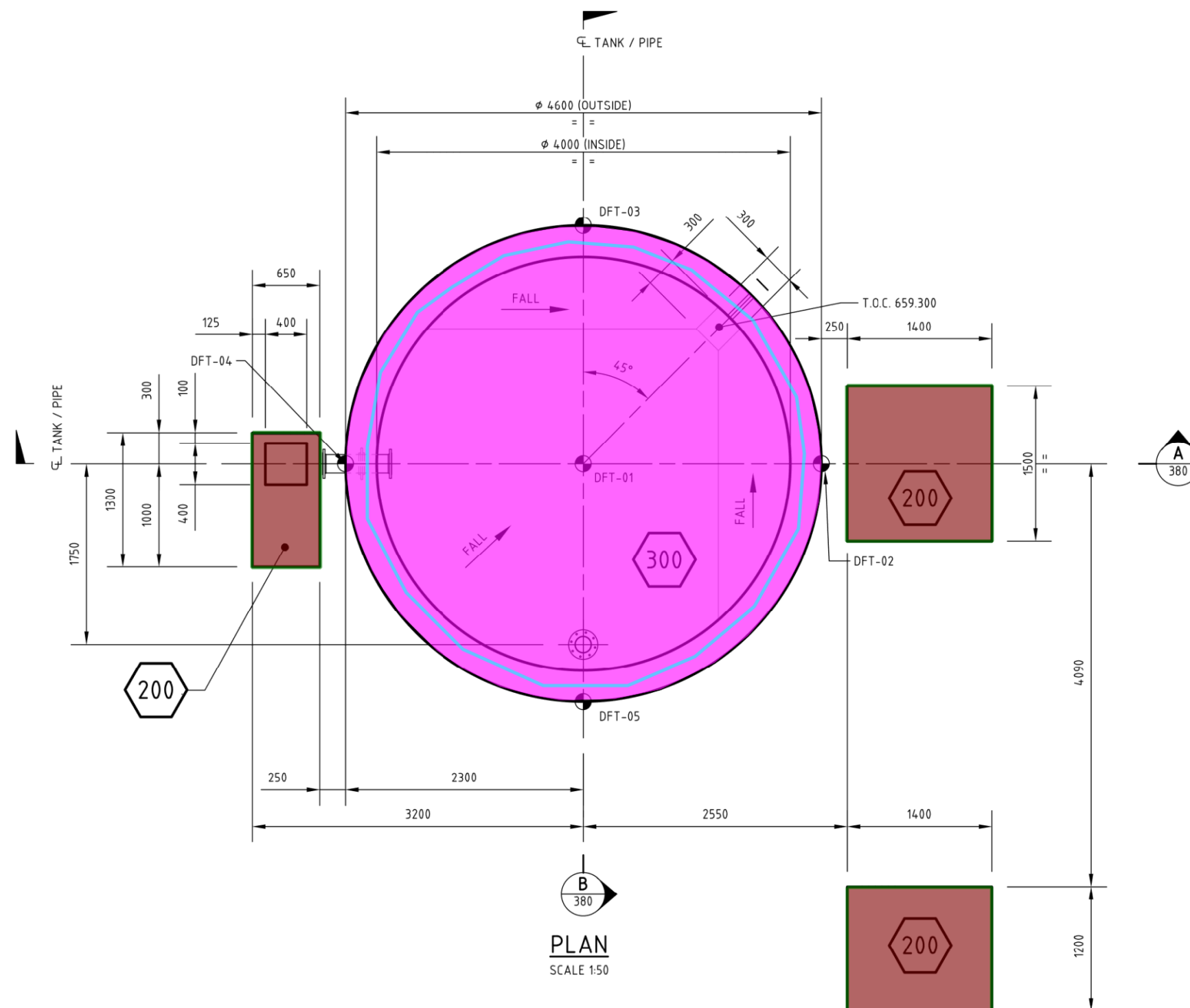
Scale	Document No
1:75 at A3	5949- C - 363
Status	Version
TENDER	0

A3

SLAB AREA 115.6 SQ M  
CONCRETE WALL 32.2 M

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-361 to 368 (Thickener).dwg

Ver.0314







300 MIN BASE SLAB THICKNESS

NOTE:

1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-375.

A3

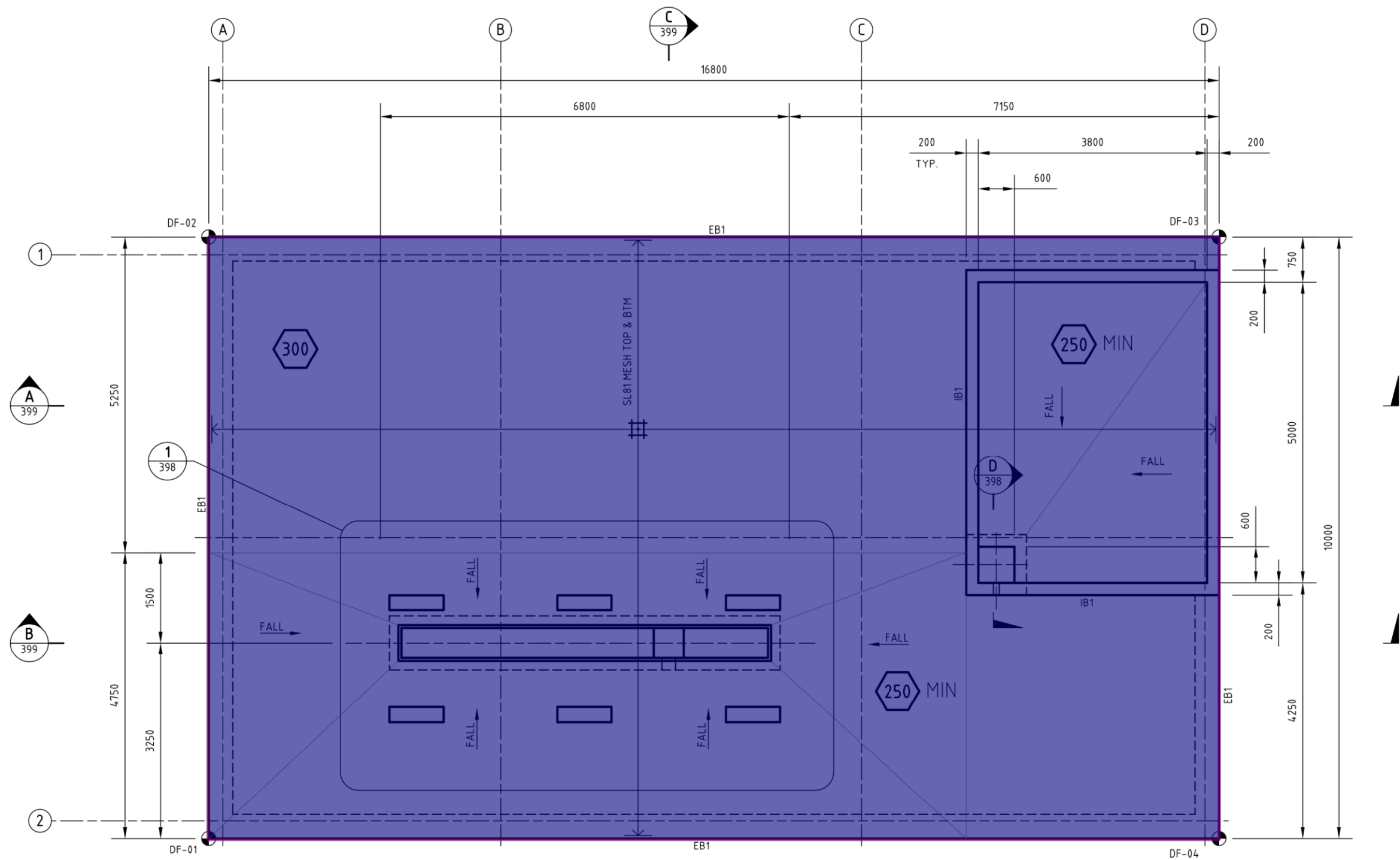
AMENDMENTS		
	SLAB AREA	16.4 SQ M
	CONCRETE WALL	13.4 M
	PAVEMENT AREA	4.6 SQ M
	PAVEMENT EDGING	14.9 M

<div>erh<sub>2</sub>o</div> <div><div><div><div></div><div>ISO 9001</div><div>SGS</div></div><div><div></div><div>ISO 14001</div><div>SGS</div></div><div><div></div><div>ISO 45001</div><div>SGS</div></div></div><div>sited</div></div>	Designed CB	Checked TG	HORIZONTAL		WINGECARRIBEE SHIRE COUNCIL MOSS VALE STP UPGRADE DEWATERING FEED TANK CONCRETE ARRANGEMENT	Scale	Document No
	Drawn MD	Checked RKB	Co-ordinate System - BM Adopted - East - North -			1:50 at A3	5949- C - 379
	Approved J.L.SMITH		VERTICAL			Status	Version
	Date 02/06/2023	Datum - BM Adopted - Reduced Level -	TENDER			0	
HH2O Project Number 5949							

d Detailed Design2\_Tasks\CIVIL\DWGS\1 - CURRENT WORKING\5949-C-376 to 384 (Dewatering Feed Tank).dwg

Ver.0314

Ver.0314



**LEGEND**  
300 MIN BASE SLAB THICKNESS

**NOTES:**  
1. FOR CONCRETE SET-OUT COORDINATES, REFER TO DRG 390

**PLAN**  
SCALE 1:75

A3

AMENDMENTS			

hunterh<sub>2</sub>O

Designed	CB	Checked	TG
Drawn	MD	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-

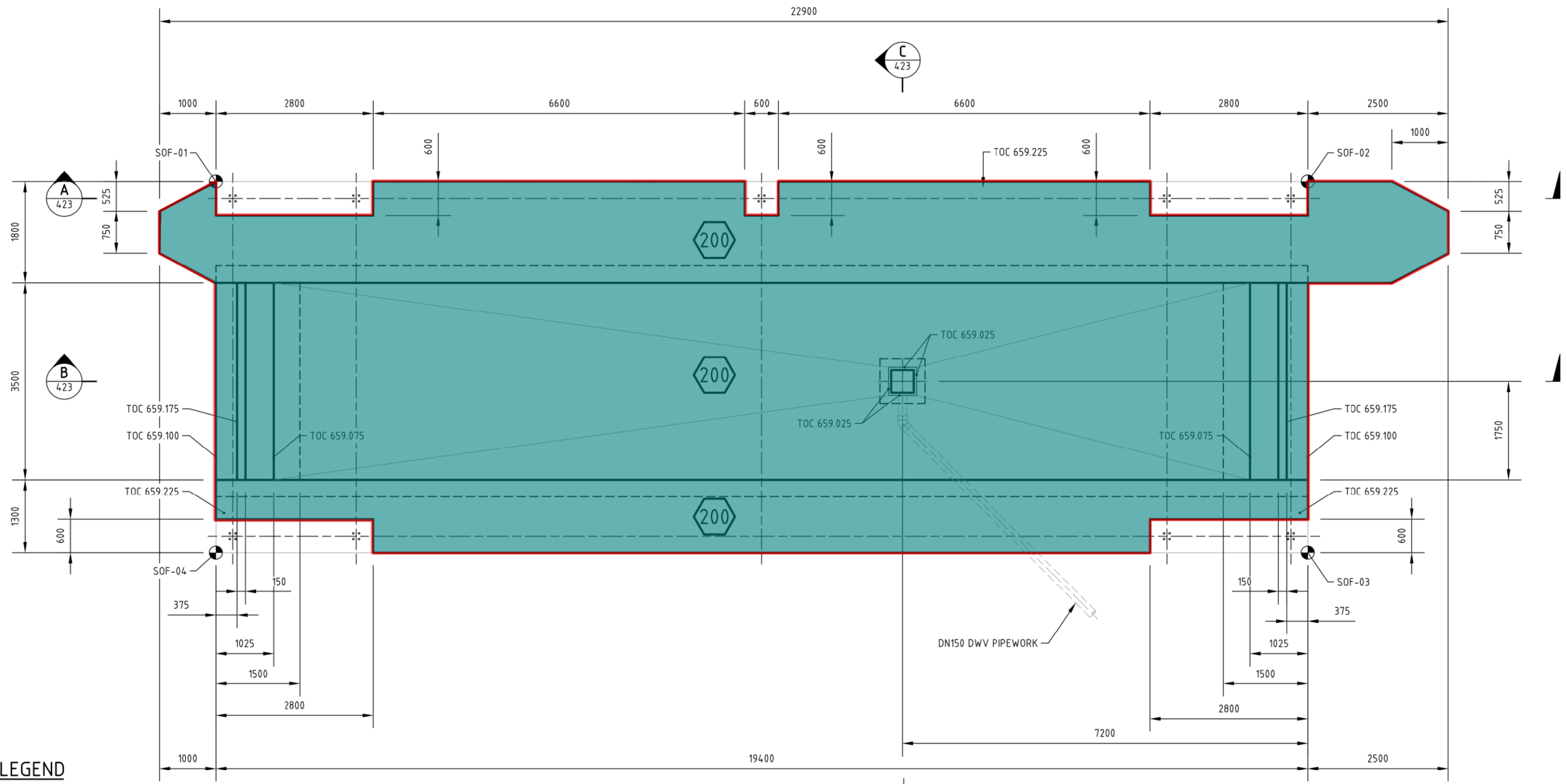


**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**DEWATERING FACILITY**  
**CONCRETE ARRANGEMENT**

Scale	Document No
1:75 at A3	5949- C - 397
Status	Version
<b>TENDER</b>	0

**SLAB A... 167.2 SQ M**  
**SLAB EDG... 53.5 M**





### LEGEND

**250** MIN BASE SLAB THICKNESS

### NOTE:

- FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-415
- OUTLOADING FACILITY STRUCTURE DESIGN TO BE THE RESPONSIBILITY OF THE CONTRACTOR (REFER SPECIFICATION)

0 0.75 1.5 2.25m  
1:75

PLAN  
SCALE 1:75

### AMENDMENTS

No.	Description	Date

**hunterh<sub>2</sub>O**

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**SLUDGE OUTLOADING FACILITY**  
**CONCRETE ARRANGEMENT**

Scale  
**1:75**  
at A3

Document No  
**5949- C - 422**

Status  
**TENDER**

Version  
**0**

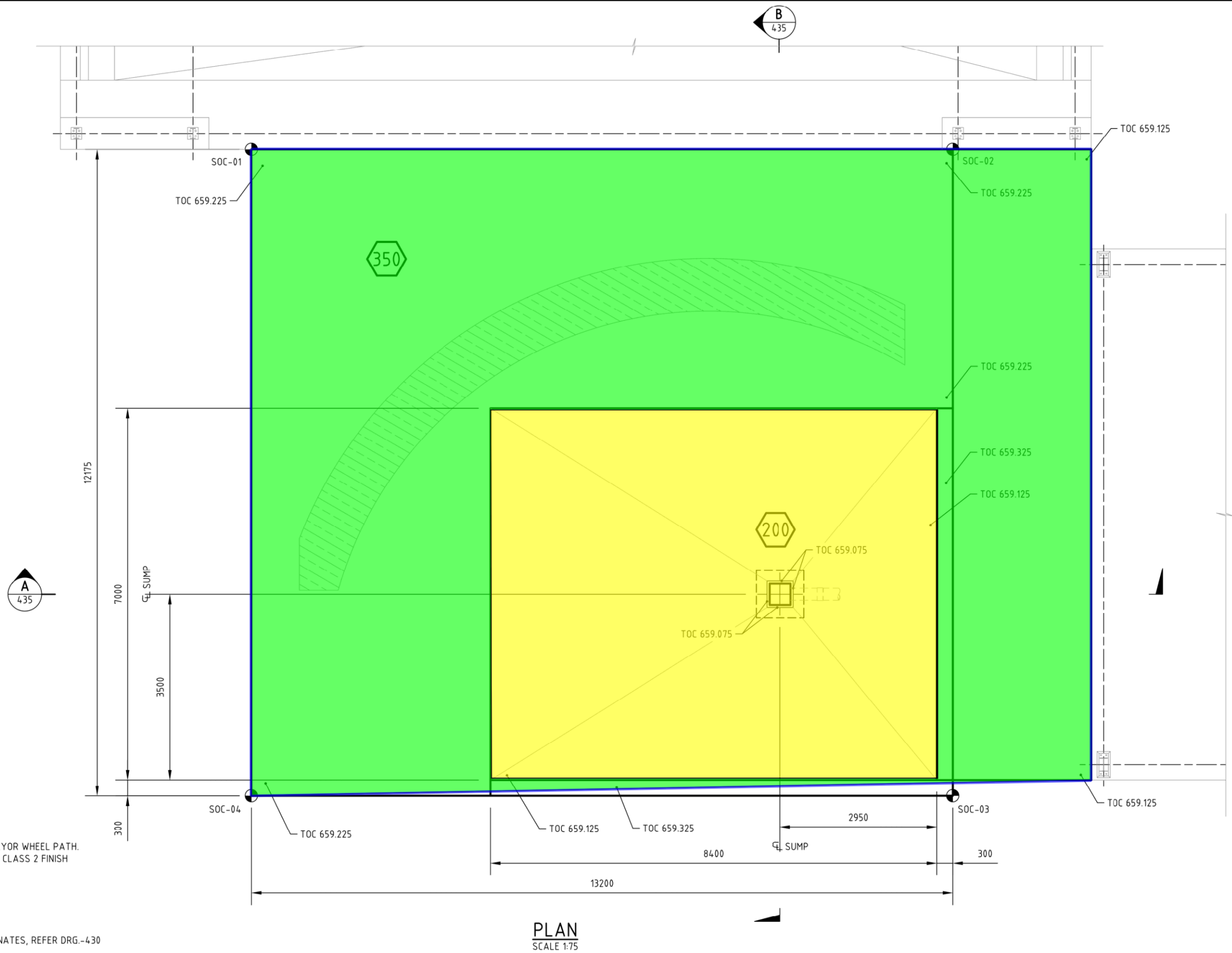
**A3**

**SLAB AREA**  
**SLAB EDGING**

**125.4 SQ M**  
**60.8 M**

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-416 to 429 (Sludge Outloading Facility).dwg

Ver.0314



### LEGEND

 DENOTES NOMINAL CONVEYOR WHEEL PATH.  
CONCRETE FINISH  $\pm 2.0\text{mm}$  CLASS 2 FINISH

 MIN BASE SLAB THICKNESS

### NOTE:

1. FOR CONCRETE SETOUT CO-ORDINATES, REFER DRG.-430

PLAN  
SCALE 1:75

A3

### AMENDMENTS

SLAB AREA	130.5 SQ M
SLAB AREA II	57.6 SQ M
SLAB EDGING	55.5 M

hunterh2o



Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number	5949		

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
SLUDGE OUTLOADING CONVEYOR  
CONCRETE ARRANGEMENT

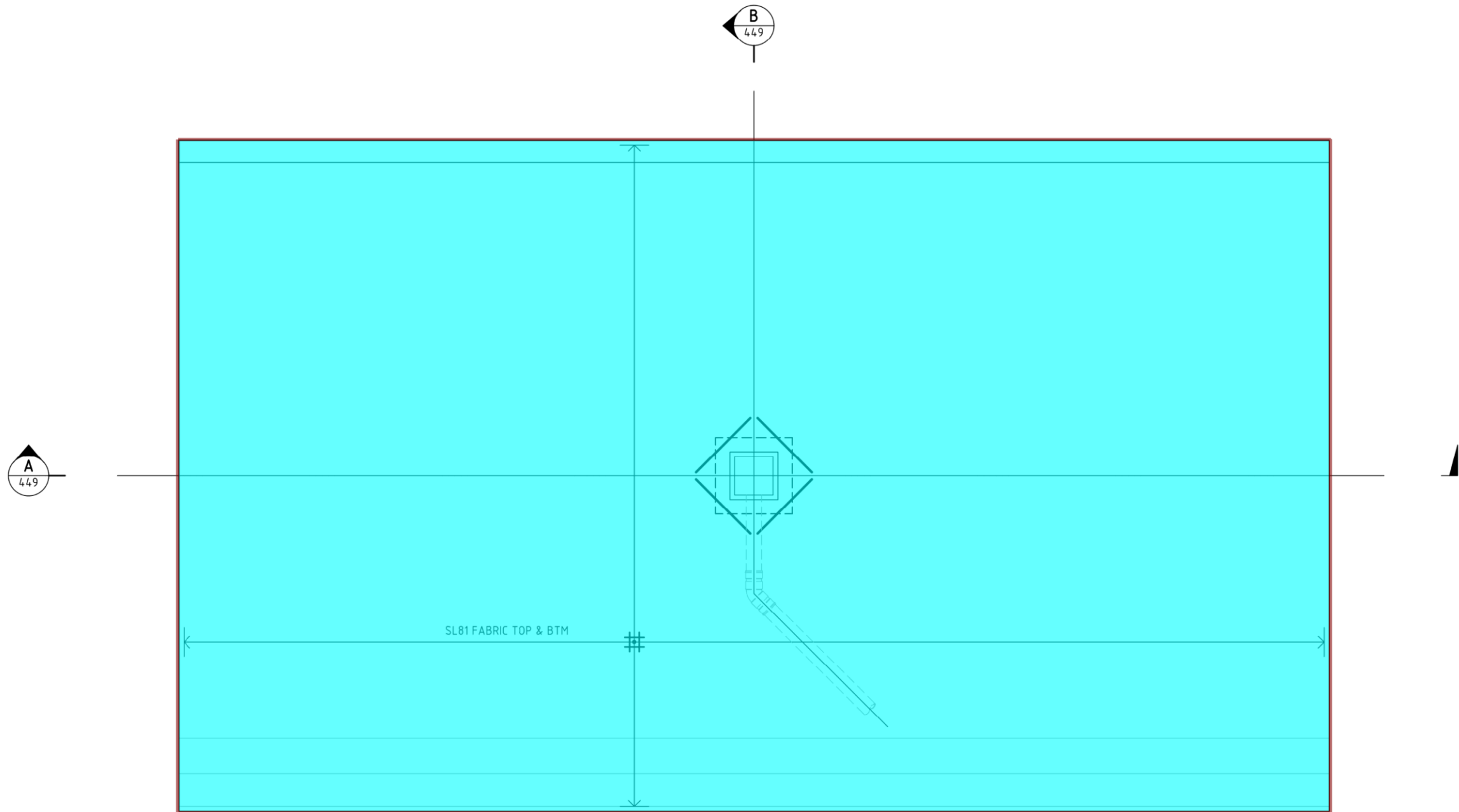
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Document No	5949- C - 434
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Status	TENDER	Version	0
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Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-431 to 437 (Sludge Outloading Conveyor).dwg

Ver.0314



PLAN  
SCALE 1:50

A3

AMENDMENTS			

hunterh<sub>2</sub>O

HEAD OFFICE  
19 SPIT ISLAND CLOSE  
WINGECARRIBEE NSW 2256  
PH: 02 6949 4444  
WWW.HUNTERH2O.COM.AU



Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	Co-ordinate System	-
	BM Adopted	-
	East	North -
VERTICAL	Datum	-
	BM Adopted	-
	Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
AERATION GRID WASHDOWN PADS  
REINFORCEMENT ARRANGEMENT

Scale	Document No
1:50 at A3	5949- C - 448
Status	Version
TENDER	0

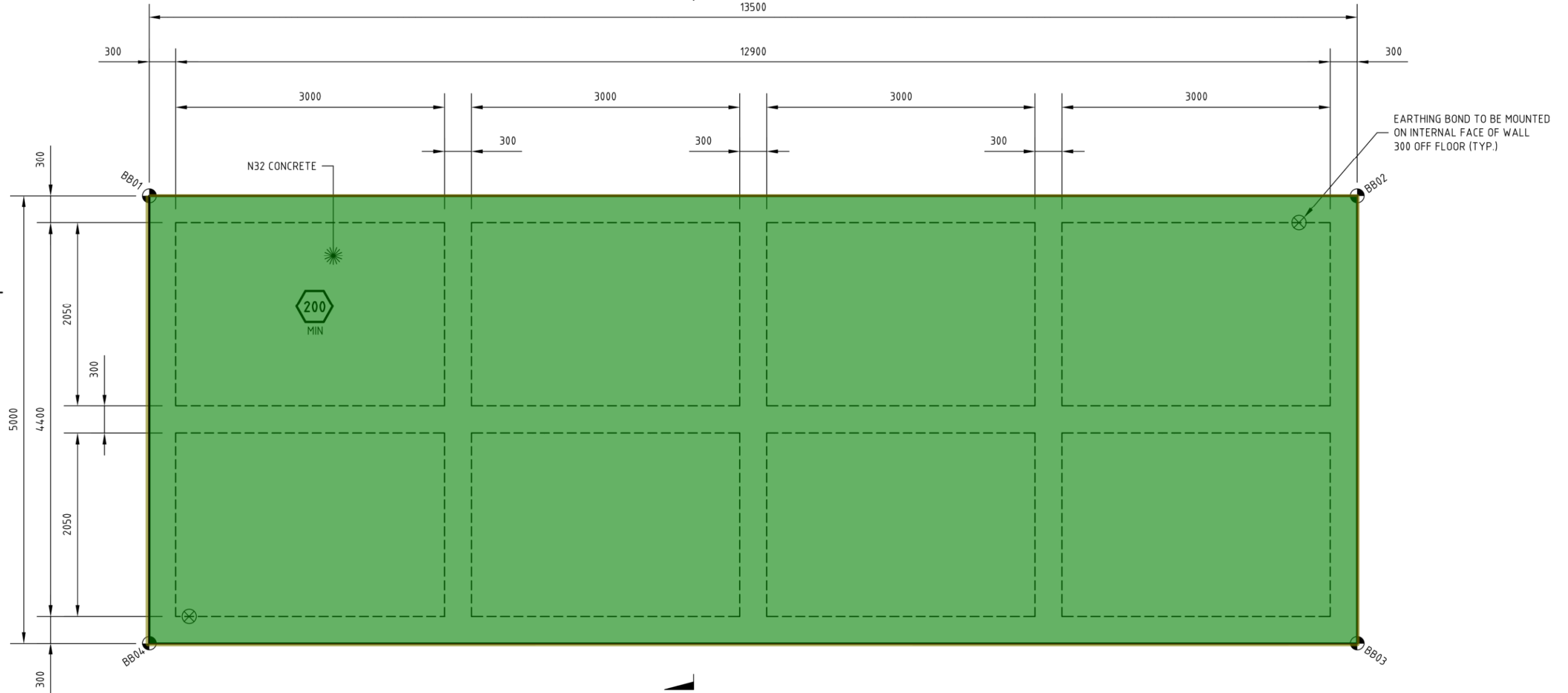
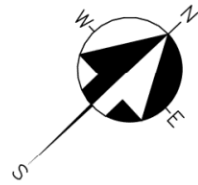
 SLAB AREA

 SLAB EDGING

83.5 SQ M

38.0 M





## LEGEND

**200** MIN BASE SLAB THICKNESS

## NOTES:

1. FOR CONCRETE SET-OUT COORDINATES, REFER TO DRG.-470



PLAN  
SCALE 1:50

A3

AMENDMENTS			

**hunterh<sub>2</sub>O**

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed CB	Checked TG
Drawn RR	Checked RKB
Approved J.L.SMITH	
Date	02/06/2023
HH2O Project Number 5949	

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**BIOREACTOR BLOWER BUILDING**  
  
CONCRETE ARRANGEMENT

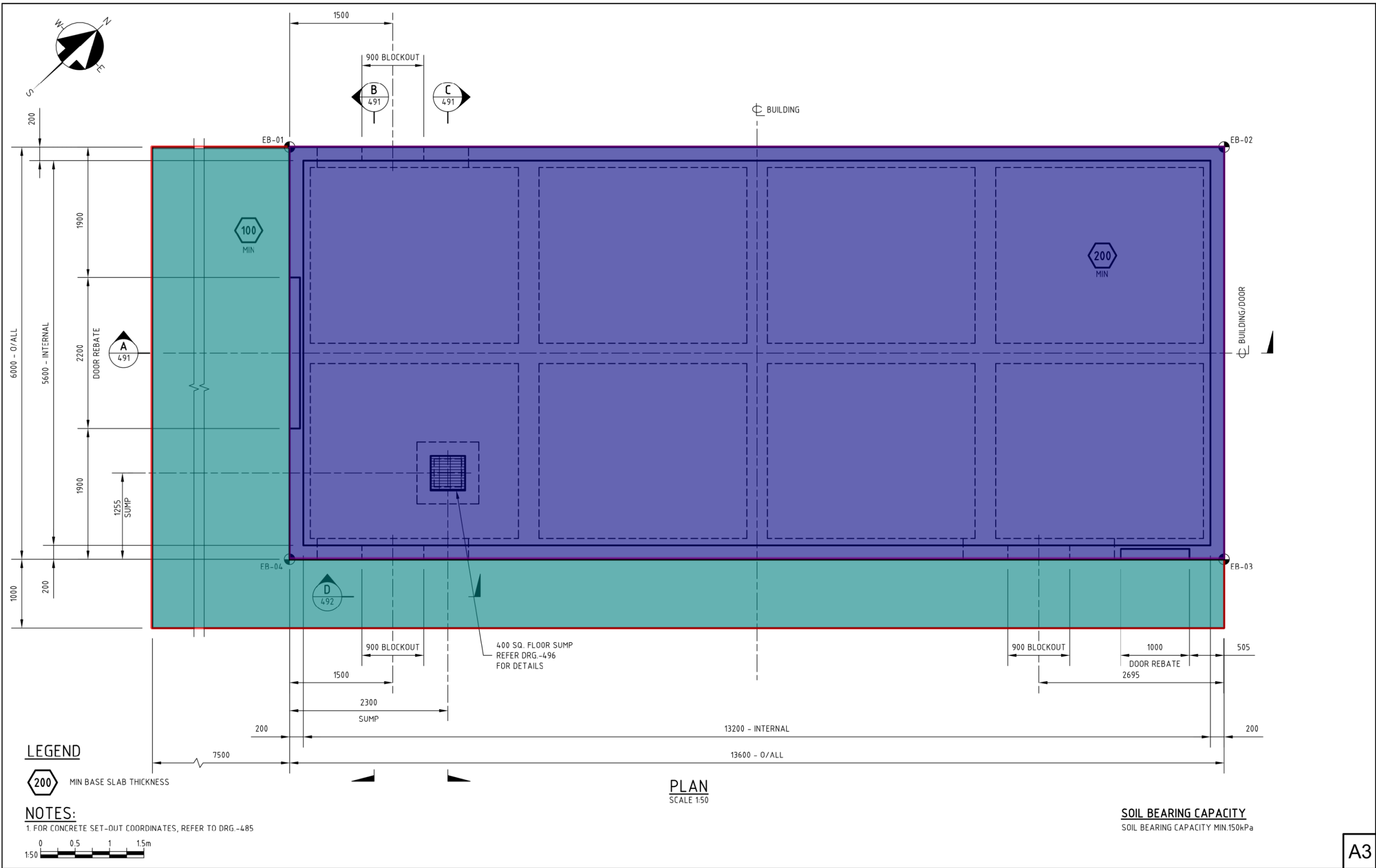
Scale	Document No
1:50 at A3	5949- C - 475
Status	Version
<b>TENDER</b>	0

**SLAB AREA**  
**SLAB EDGING**

**67.0 SQ M**  
**37.0 M**

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-471 to 482 (Bioreactor Blower Building).dwg

Ver.0314



LEGEND

200 MIN BASE SLAB THICKNESS

NOTES:  
1. FOR CONCRETE SET-OUT COORDINATES, REFER TO DRG.-485



PLAN  
SCALE 1:50

SOIL BEARING CAPACITY  
SOIL BEARING CAPACITY MIN.150kPa

A3

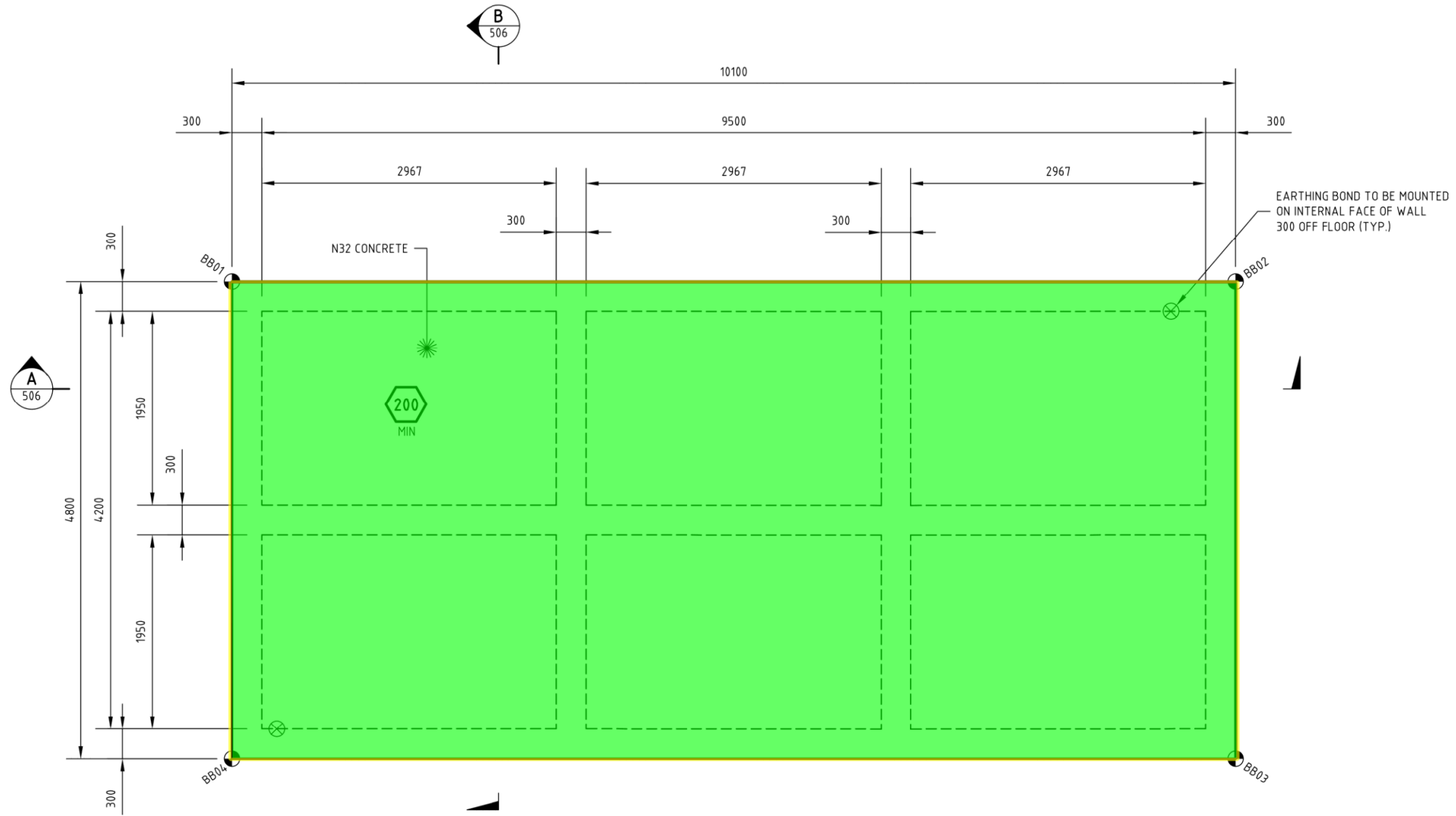
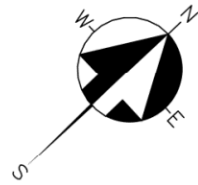
AMENDMENTS	
SLAB AREA	81.2 SQ M
SLAB EDGING	39.0 M
PAVEMENT AREA	27.1 SQ M
PAVEMENT EDGING	25.5 M



Designed CB	Checked TG	<div><p>WINGECARRIBEE SHIRE COUNCIL MOSS VALE STP UPGRADE BIOREACTOR ELECTRICAL SWITCHROOM CONCRETE ARRANGEMENT</p></div>	Scale 1:50 at A3	Document No 5949- C - 490
Drawn TJS	Checked RKB		Status TENDER	Version 0
Approved J.L.SMITH				
Date 02/06/2023	HH2O Project Number 5949			

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-486 to 498 (Electrical Switchroom).dwg

Ver.0314



### LEGEND

 MIN BASE SLAB THICKNESS

### NOTES:

1. FOR CONCRETE SET-OUT COORDINATES, REFER TO DRG.-500



PLAN  
SCALE 1:50

A3

hunterh<sub>2</sub>O

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed	CB	Checked	TG
Drawn	RR	Checked	RK3
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
DIGESTER BLOWER BUILDING  
CONCRETE ARRANGEMENT

Scale  
1:50  
at A3

Document No  
5949- C - 505

Status  
TENDER

Version  
0

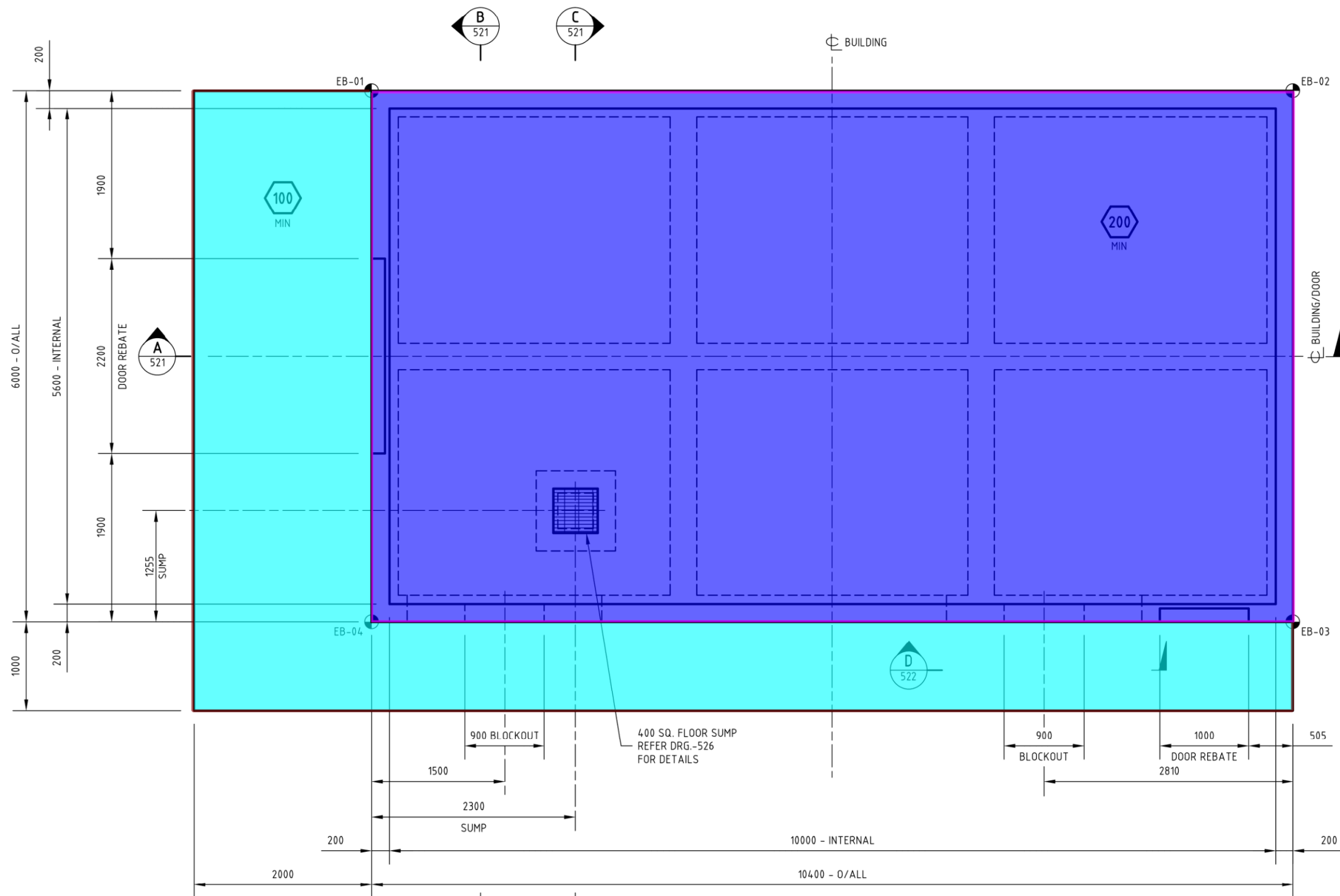
Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-501 to 512 (Digester Blower Building).dwg

Ver.0314

SLAB AREA  
SLAB EDGING

48.1 SQ M  
29.8 M











 MIN BASE SLAB THICKNESS

1. FOR CONCRETE SET-OUT COORDINATES, REFER TO DRG.-515



SOIL BEARING CAPACITY MIN.150kPa

A3

RECOMMENDATIONS	
	SLAB AREA 61.9 SQ M 
	SLAB EDGING 32.6 M 
	PAVEMENT AREA 24.1 SQ M 
	PAVEMENT EDGING 22.3 M 



Designed	CB	Checked	TG
Drawn	TJS	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
HH2O Project Number 5949			

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	North
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-

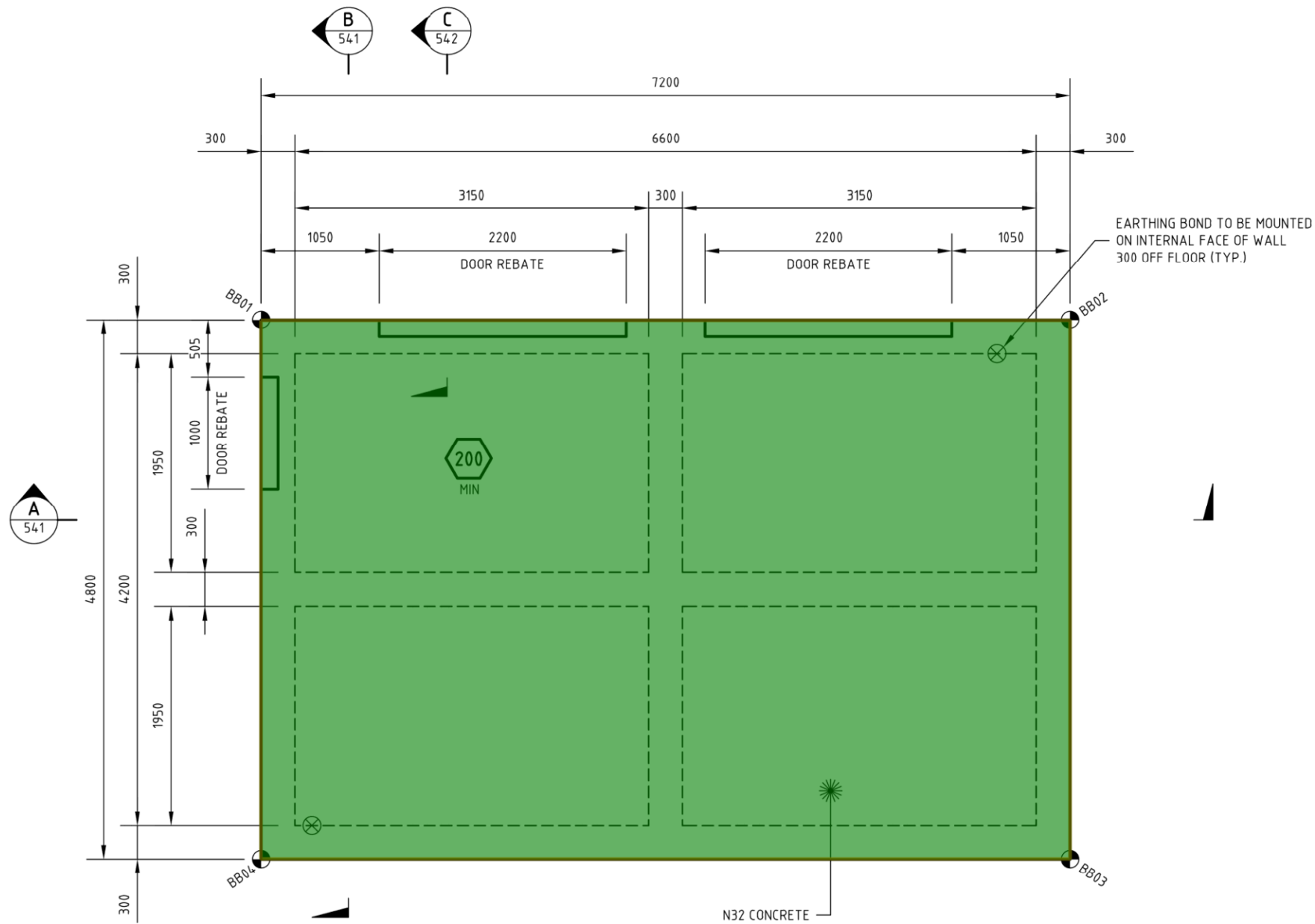
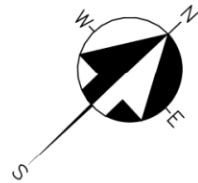


**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**DEWATERING ELECTRICAL SWITCHROOM**  
**CONCRETE ARRANGEMENT**

Scale <b>1:50</b> at A3	Document No <b>5949- C - 520</b>
Status <b>TENDER</b>	Version <b>0</b>

Ver.031.





## LEGEND

 MIN BASE SLAB THICKNESS

## NOTES:

1. FOR CONCRETE SET-OUT COORDINATES, REFER TO DRG.-535



PLAN  
SCALE 1:50

A3

### AMENDMENTS

No.	Description	Date

**hunterh<sub>2</sub>O**

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed	CB	Checked	TG
Drawn	RR	Checked	RKB
Approved	J.L.SMITH		
Date	02/06/2023		
	HH2O Project Number	5949	

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



**WINGECARRIBEE SHIRE COUNCIL**  
**MOSS VALE STP UPGRADE**  
**AIR SCOUR BLOWER BUILDING**  
  
CONCRETE ARRANGEMENT

Scale	1:50 at A3
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Document No	<b>5949- C - 540</b>
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Status	<b>TENDER</b>	Version	<b>0</b>
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SLAB AREA

34.3 SQ M



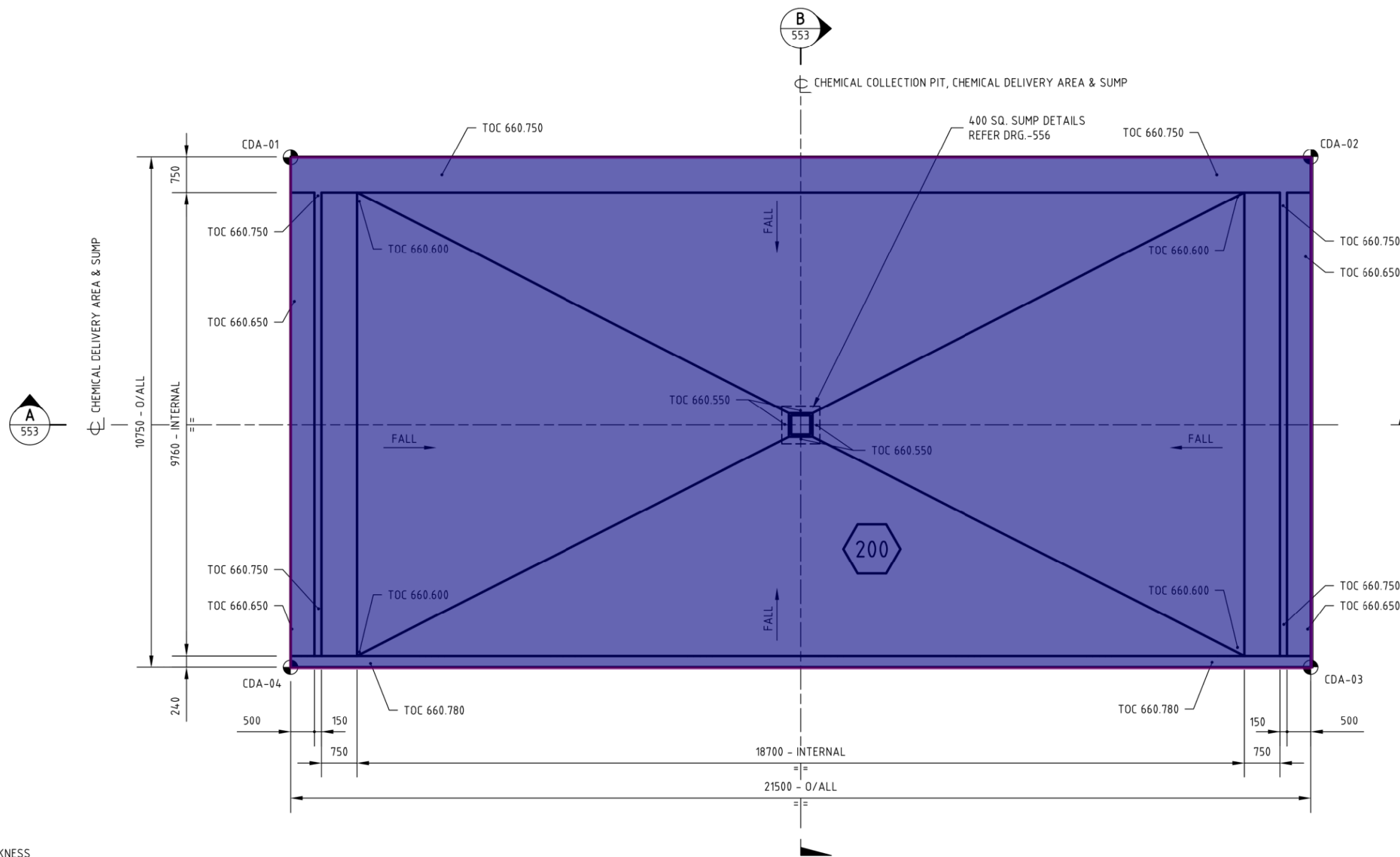
SLAB EDGING

23.9 M



Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-536 to 547 (Air Scour Blower Building).dwg

Ver.0314



## LEGEND

200 MIN BASE SLAB THICKNESS

## NOTES:

- FOR COORDINATE TABLE REFER TO DRG.-550
- REFER SPECIFICATIONS FOR GROUND PREPARATIONS, CONCRETE GRADES & CONSTRUCTION DETAILS.

1:100 0 1 2 3m

PLAN  
SCALE 1:100

A3

AMENDMENTS			

hunterh<sub>2</sub>O

HEAD OFFICE  
19 SPIT ISLAND CLOSE



Designed	CB	Checked	TG
Drawn	MD	Checked	RKB
Approved J.L.SMITH			
Date	02/06/2023		
HH2O Project Number 5949			

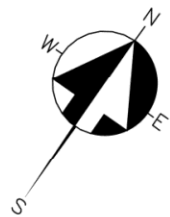
HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East	- North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
CHEMICAL DELIVERY AREA  
CONCRETE ARRANGEMENT

Scale	Document No
1:100 at A3	5949- C - 552
Status	Version
TENDER	0

Ver.0314



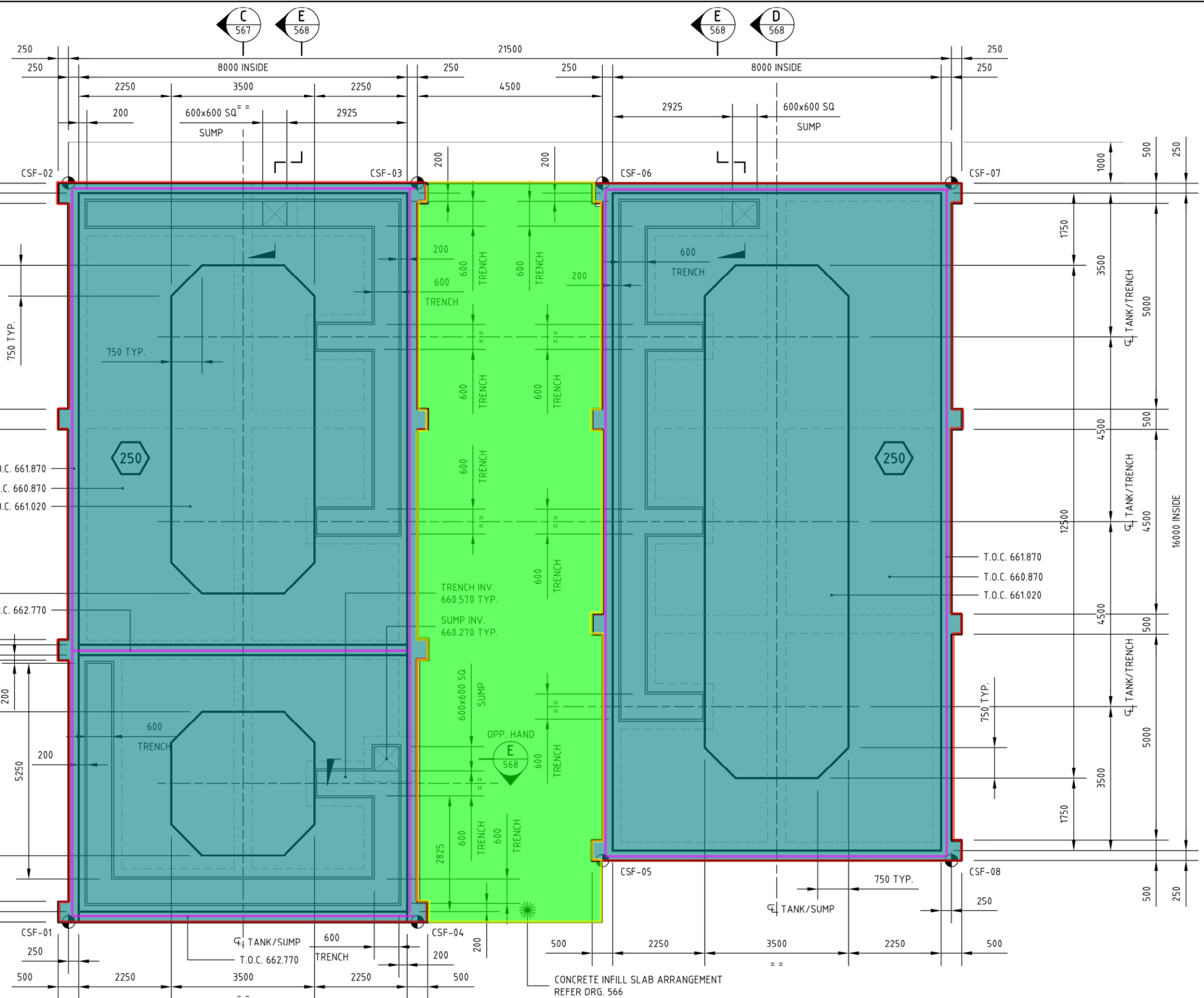
LEGEND



MIN BASE SLAB THICKNESS

NOTES:

SLAB AREA	293.8 SQ M
SLAB EDGING	110.6 M
PAVEMENT AR...	79.2 SQ M
PAVEMENT EDGI...	47.1 M
CONCRETE WALL	108.8 M



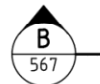
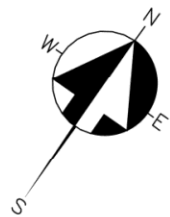
PLAN  
SCALE 1:100

A3

		Designed CB Checked TG Drawn TJS Checked RK3 Approved J.L.SMITH Date 02/06/2023 HH2O Project Number 5949	HORIZONTAL Co-ordinate System - BM Adopted - East - North - VERTICAL Datum - BM Adopted - Reduced Level -		WINGECARRIBEE SHIRE COUNCIL MOSS VALE STP UPGRADE CHEMICAL STORAGE FACILITY CONCRETE ARRANGEMENT SHT 1	Scale 1:100 at A3	Document No 5949- C - 565	Status TENDER	Version 0

Detailed Design\2. Tasks\CIVIL DWGS\1 - CURRENT WORKING\5949-C-561 to 576 (Chem Dosing Facility).dwg

Ver.0314

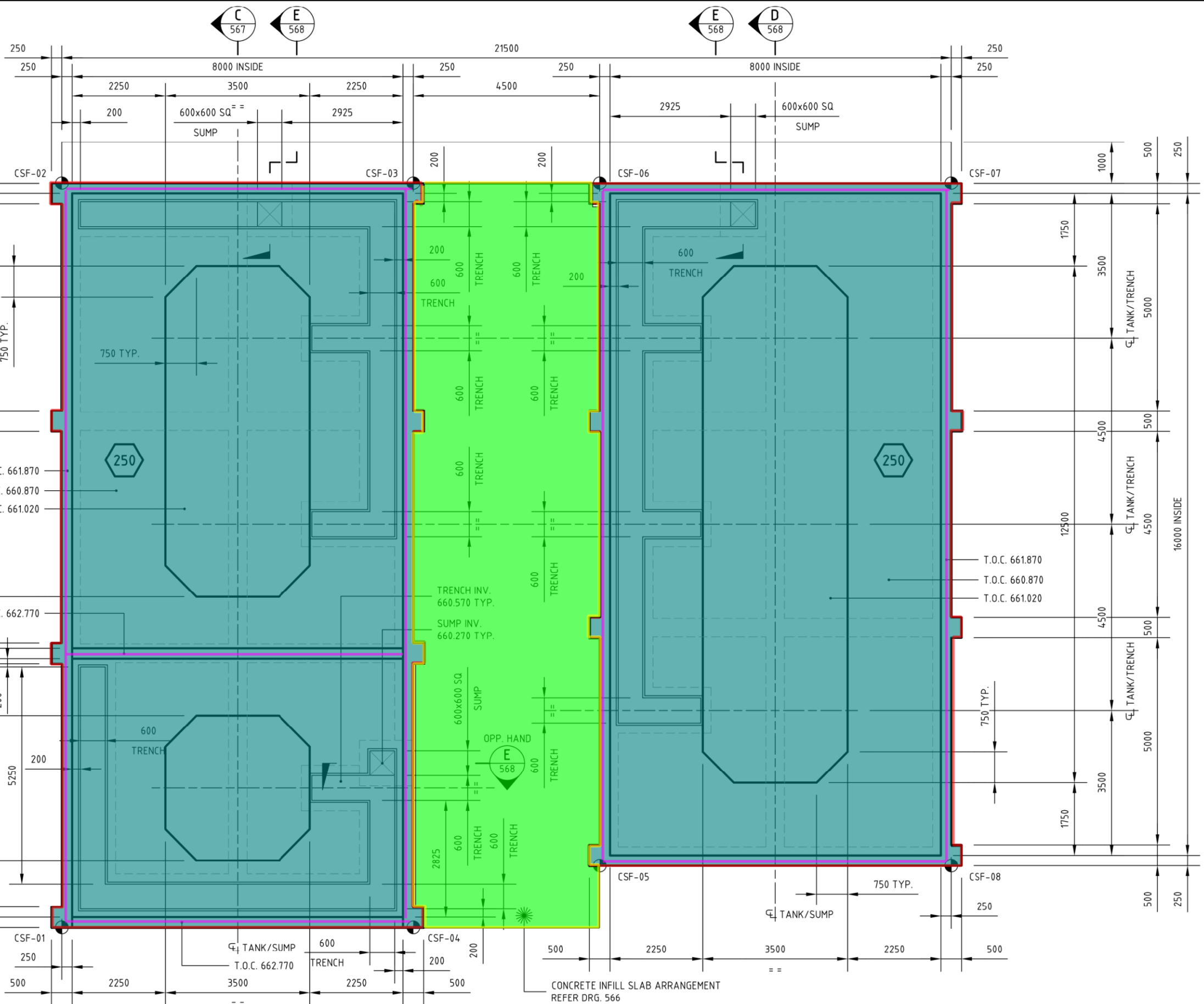


LEGEND

250 MIN BASE SLAB THICKNESS

NOTES:

SLAB AREA	293.8 SQ M
SLAB EDGING	110.6 M
PAVEMENT AR...	79.2 SQ M
PAVEMENT EDGI...	47.1 M
CONCRETE WALL	108.8 M



PLAN

SCALE 1:100

erh<sub>2</sub>O



Designed CB	Checked TG
Drawn TJS	Checked RK3
Approved J.L.SMITH	
Date 02/06/2023	
HH2O Project Number 5949	

HORIZONTAL	
Co-ordinate System	-
BM Adopted	-
East -	North -
VERTICAL	
Datum	-
BM Adopted	-
Reduced Level	-



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
CHEMICAL STORAGE FACILITY  
CONCRETE ARRANGEMENT SHT 1

Scale  
1:100  
at A3

Document No  
5949- C - 565

Status

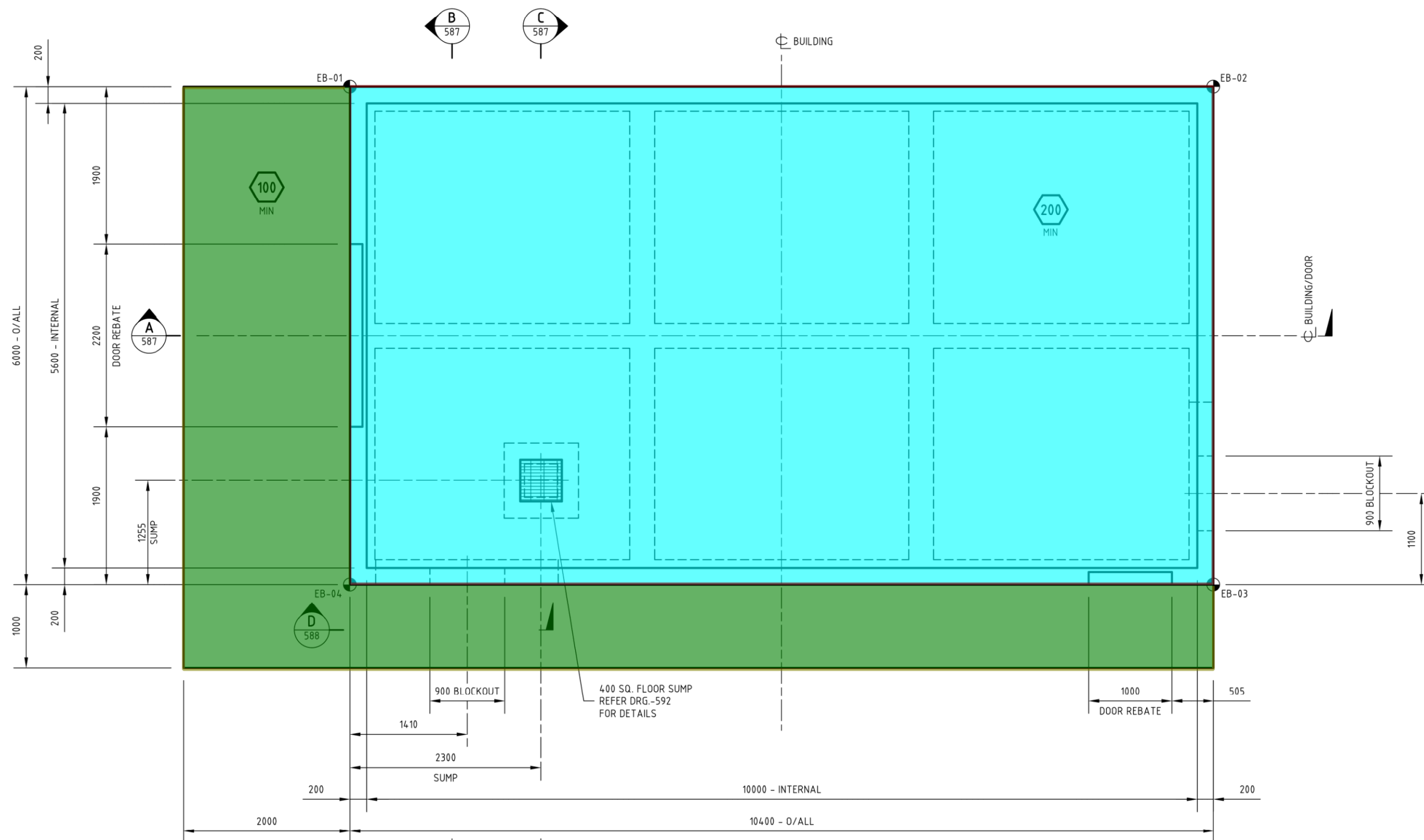
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Version

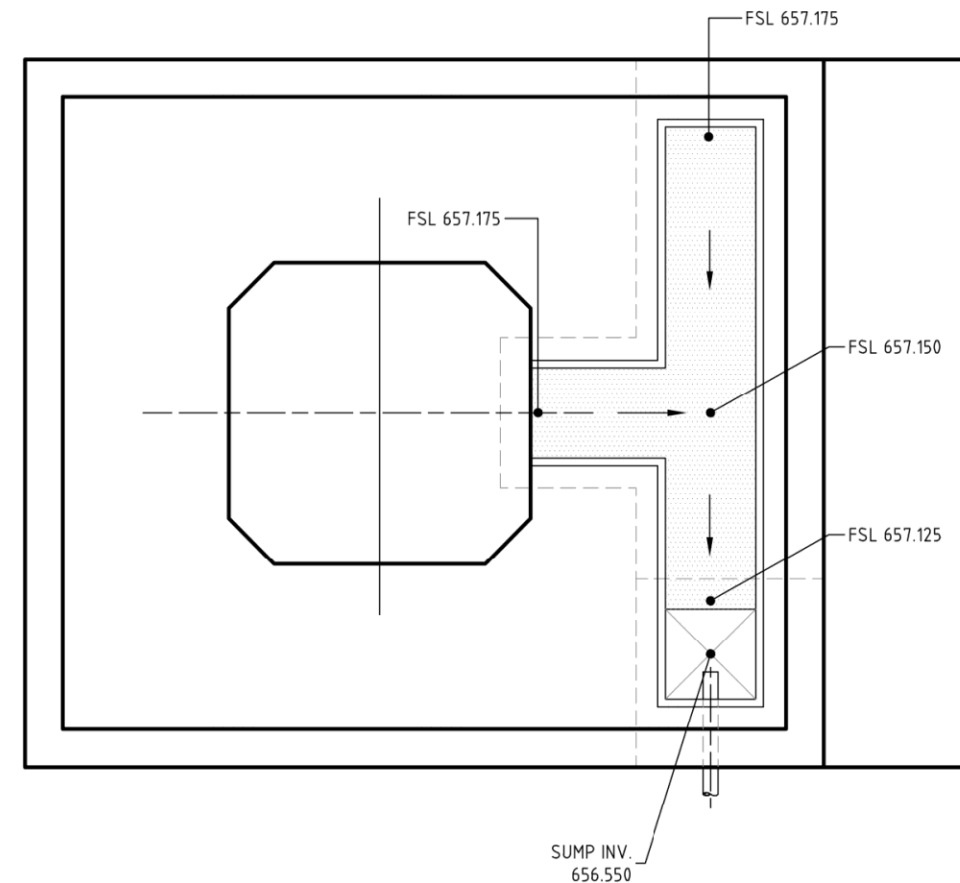
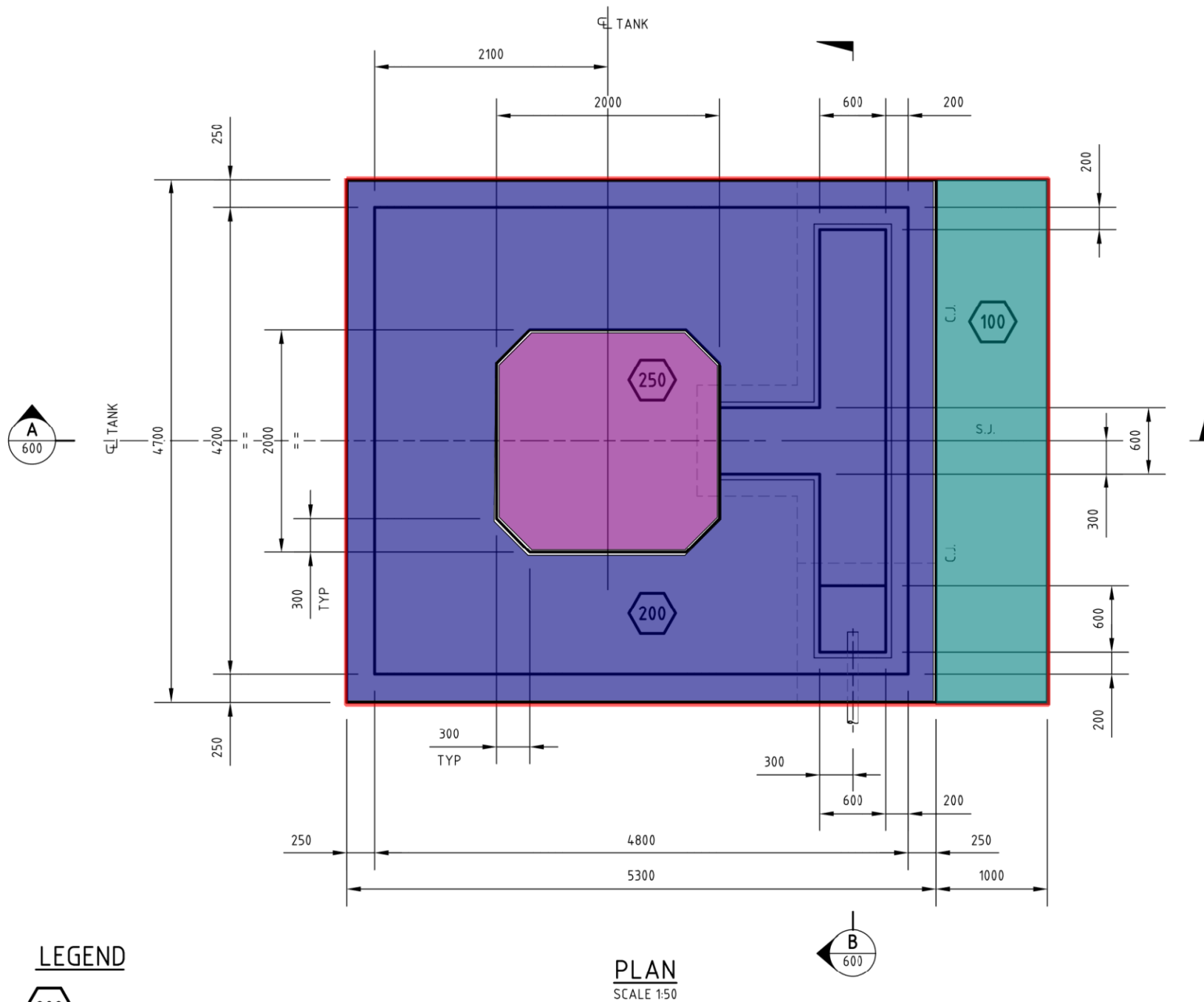
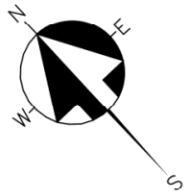
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BENCHING PLAN  
SCALE 1:50

#### BENCHING NOTES:

1. PROVIDE N25 CONCRETE BENCHING. SCABBLE INTERFACE PRIOR TO PLACEMENT OF BENCHING. BENCHING TO BE MIN. 25mm THICKNESS.

■ DENOTES CONCRETE BENCHING IN TRENCH.

#### LEGEND

200 MIN BASE SLAB THICKNESS

#### NOTES:

1. FOR COORDINATE TABLE REFER TO DRG.-595
2. BUND INTERNALS TO BE COATED. REFER TO SPECIFICATION

A3

AMENDMENTS	
SLAB AREA	20.5 SQ M
SLAB AREA II	3.6 SQ M
SLAB AREA III	4.8 SQ M
SLAB EDGING	22.0 M

	Designed CB	Checked TG	HORIZONTAL Co-ordinate System - BM Adopted - East - North -
	Drawn TJS	Checked RKB	
	Approved J.L.SMITH		VERTICAL Datum - BM Adopted - Reduced Level -
	Date 02/06/2023		
	HH2O Project Number 5949		



WINGECARRIBEE SHIRE COUNCIL  
MOSS VALE STP UPGRADE  
HYPO DOSING FACILITY  
CONCRETE ARRANGEMENT

Scale 1:50 at A3	Document No 5949- C - 599
Status TENDER	Version 0

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