

CASTLETROY WASTEWATER TREATMENT PLANT

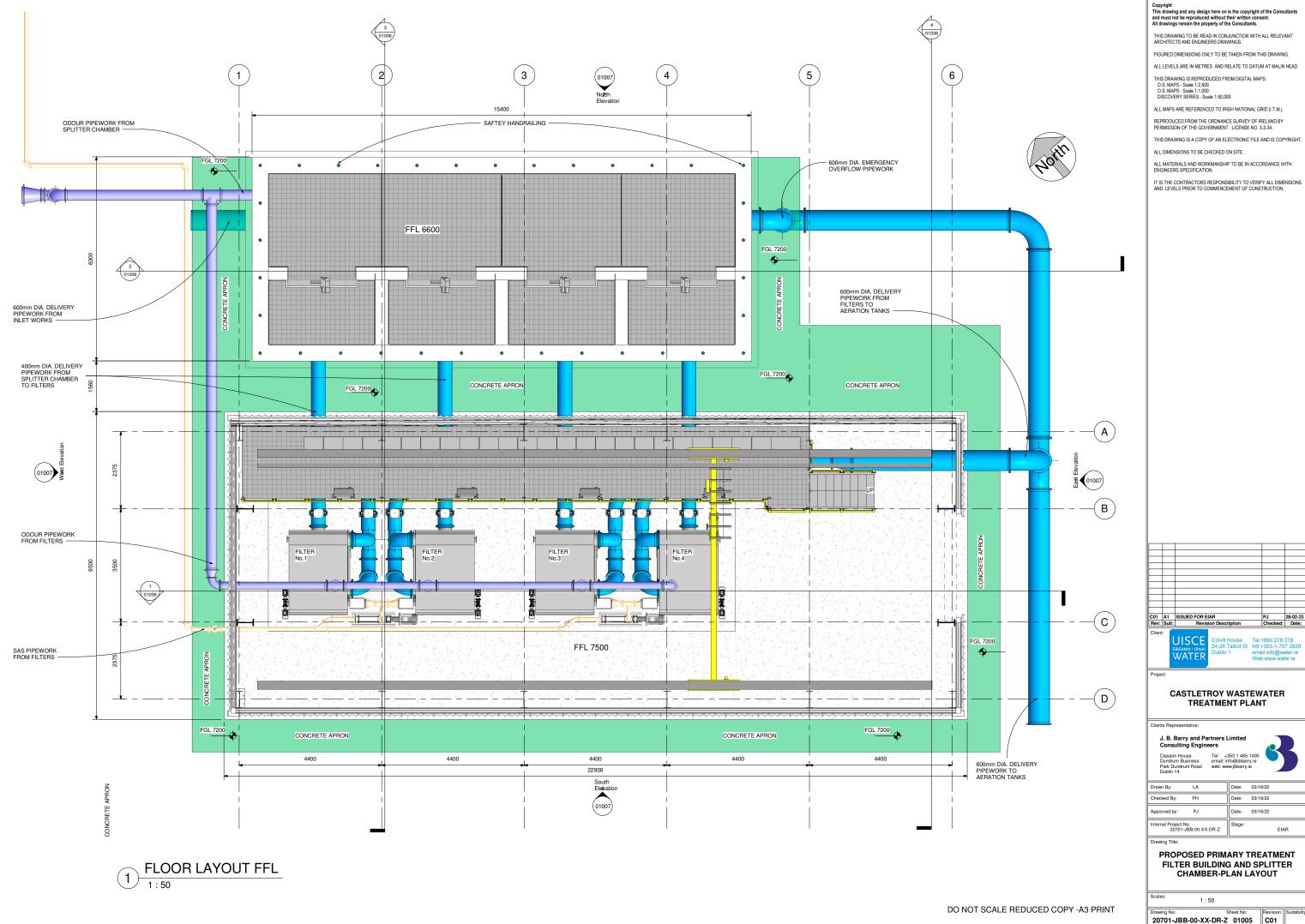
EIAR APPLICATION MARCH 2023

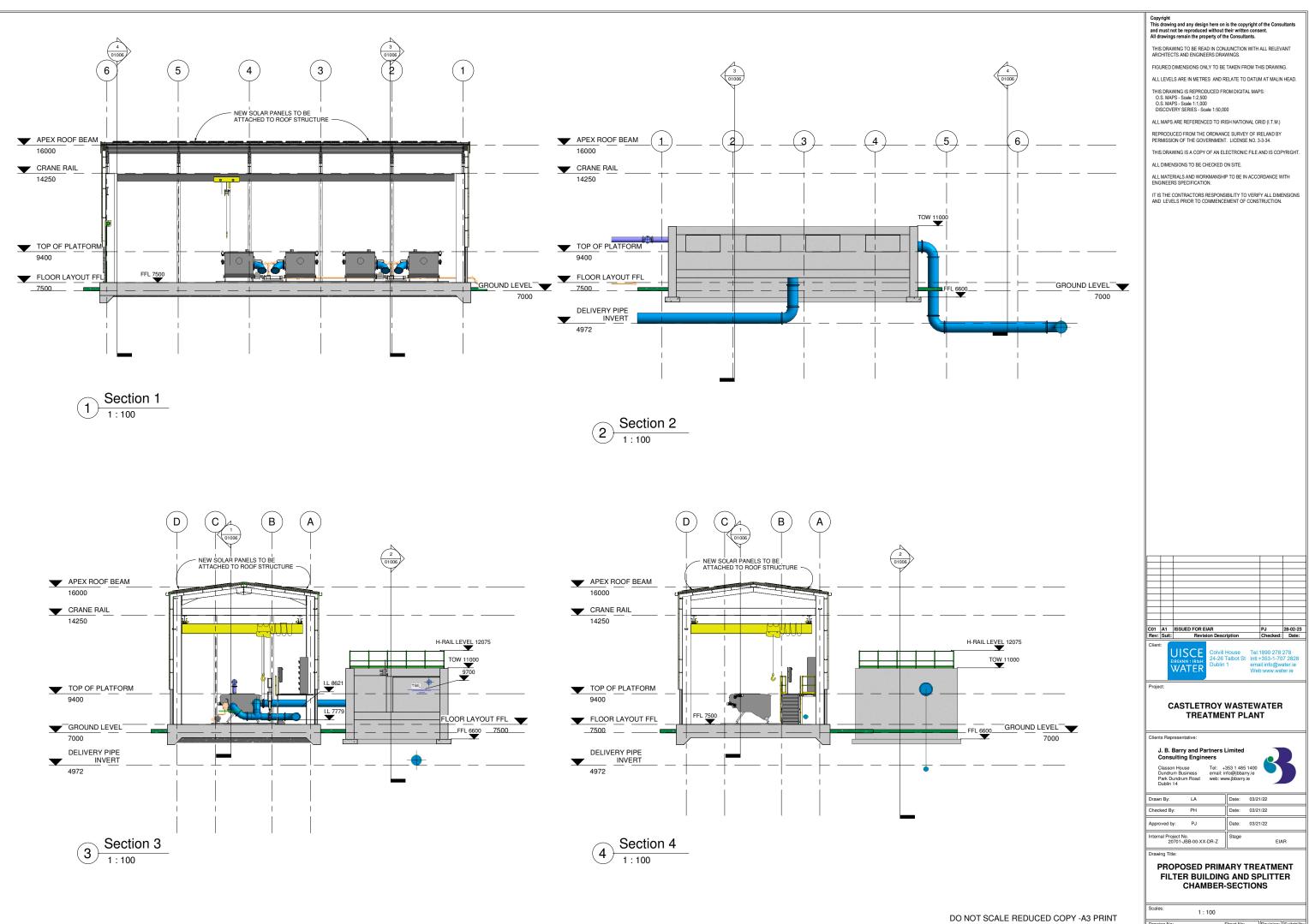


CASTLETROY WASTEWATER TREATMENT PLANT EIAR APPLICATION - MARCH 2023 DRAWING INDEX_ Rev._C01

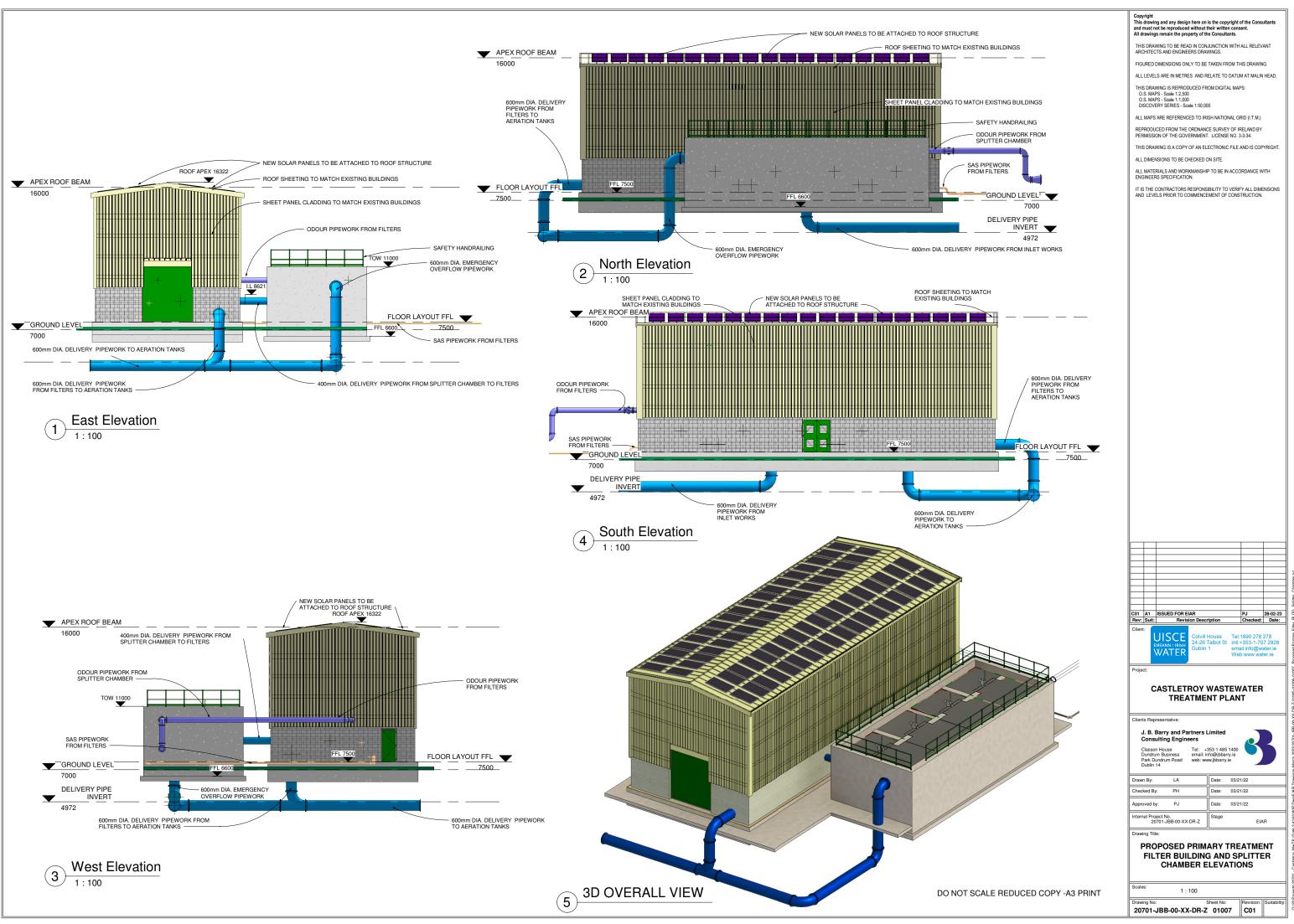
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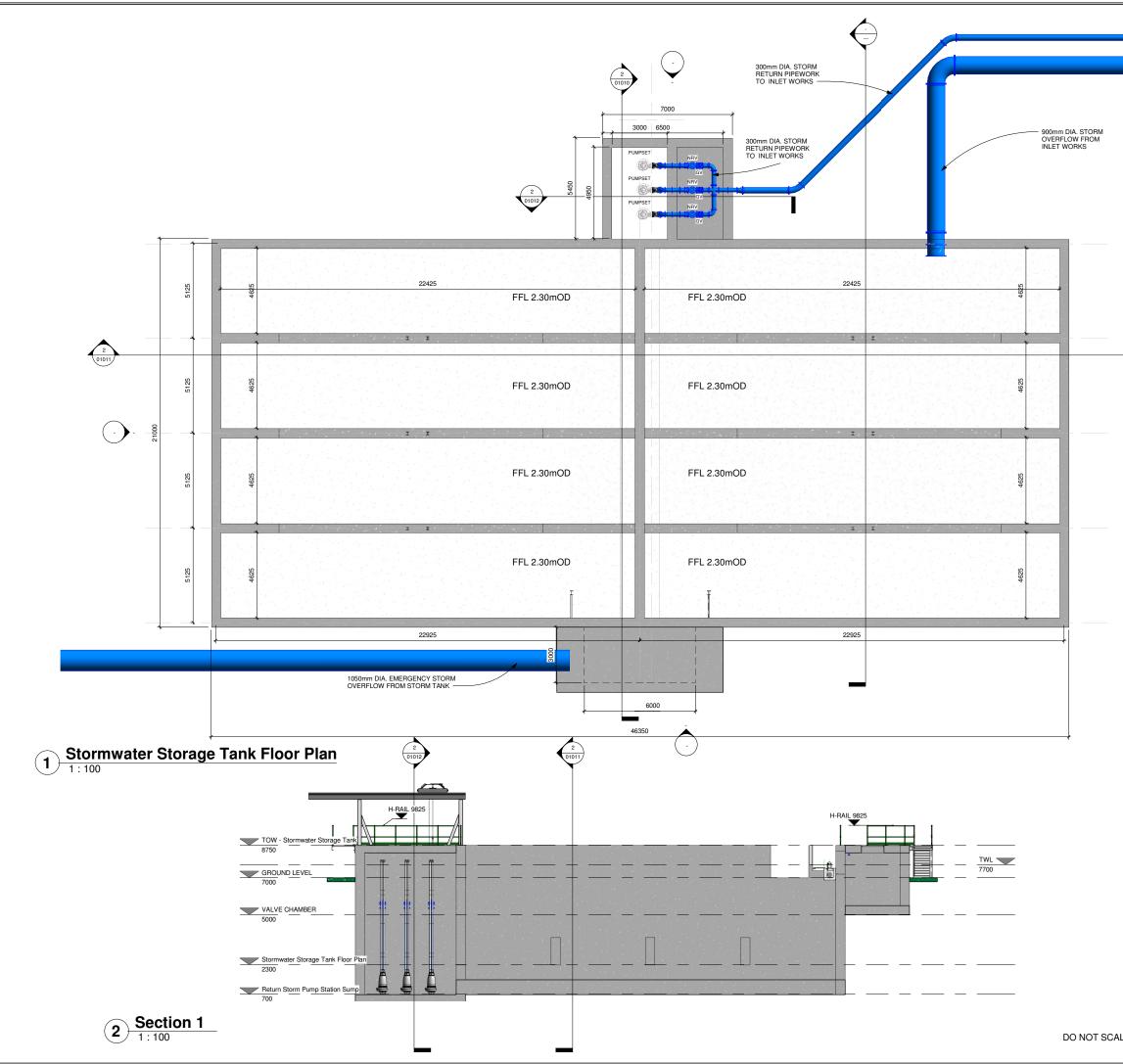
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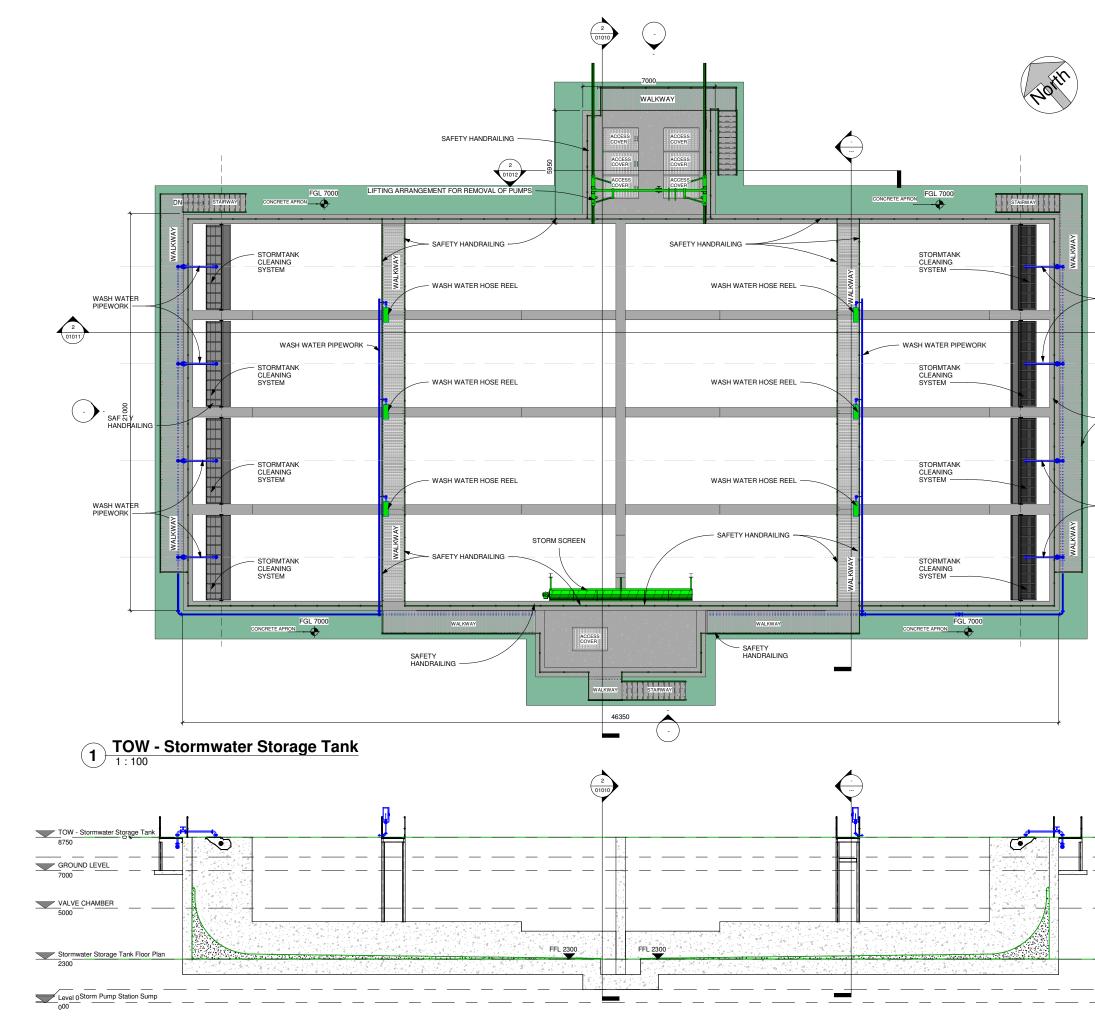
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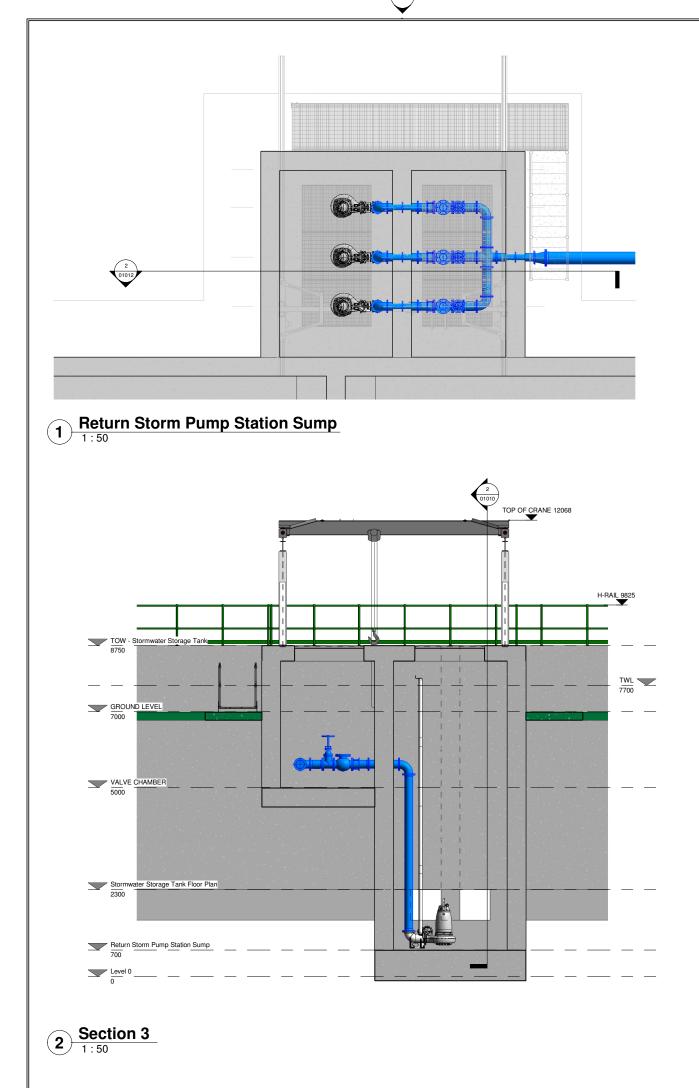
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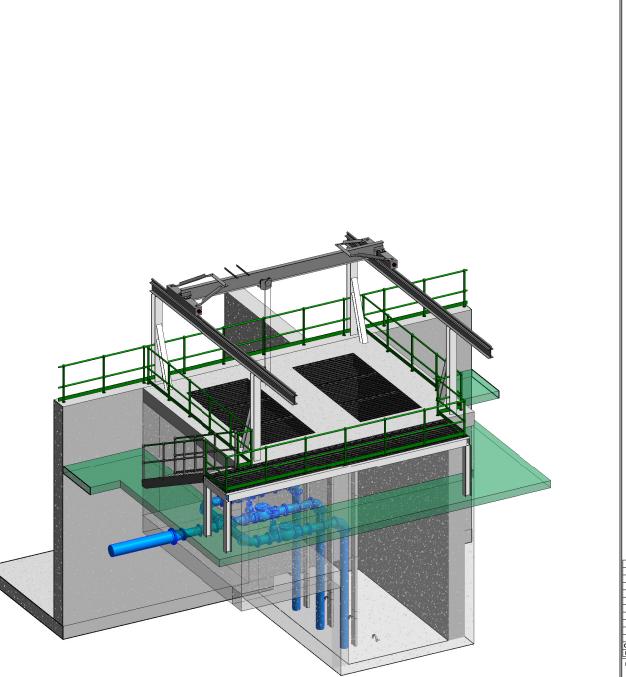
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	CASTLETROY WASTEWATER TREATMENT PLANT
	Clients Representative:
TWL 7700	J. B. Barry and Partners Limited Consulting Engineers
	Classon House Tel: +353 1 485 1400 Dundrum Business email: into@jbbarry.ie
	Park Dundrum Road web: www.jbbarry.ie Dublin 14
	Drawn By: LHA Date: 06/12/22 Checked By: PH Date: 06/12/22
	Approved by: PJ Date: 06/12/22
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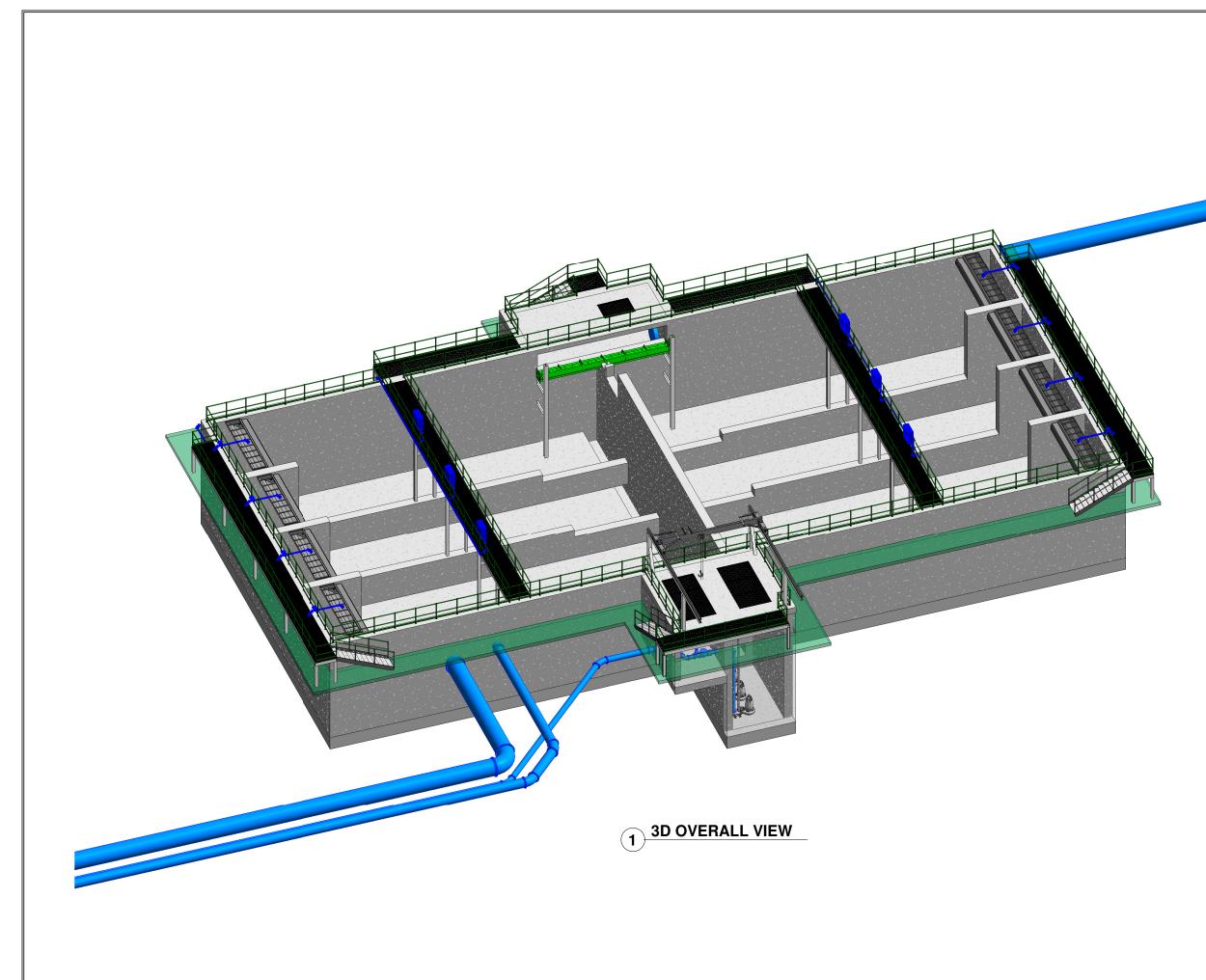
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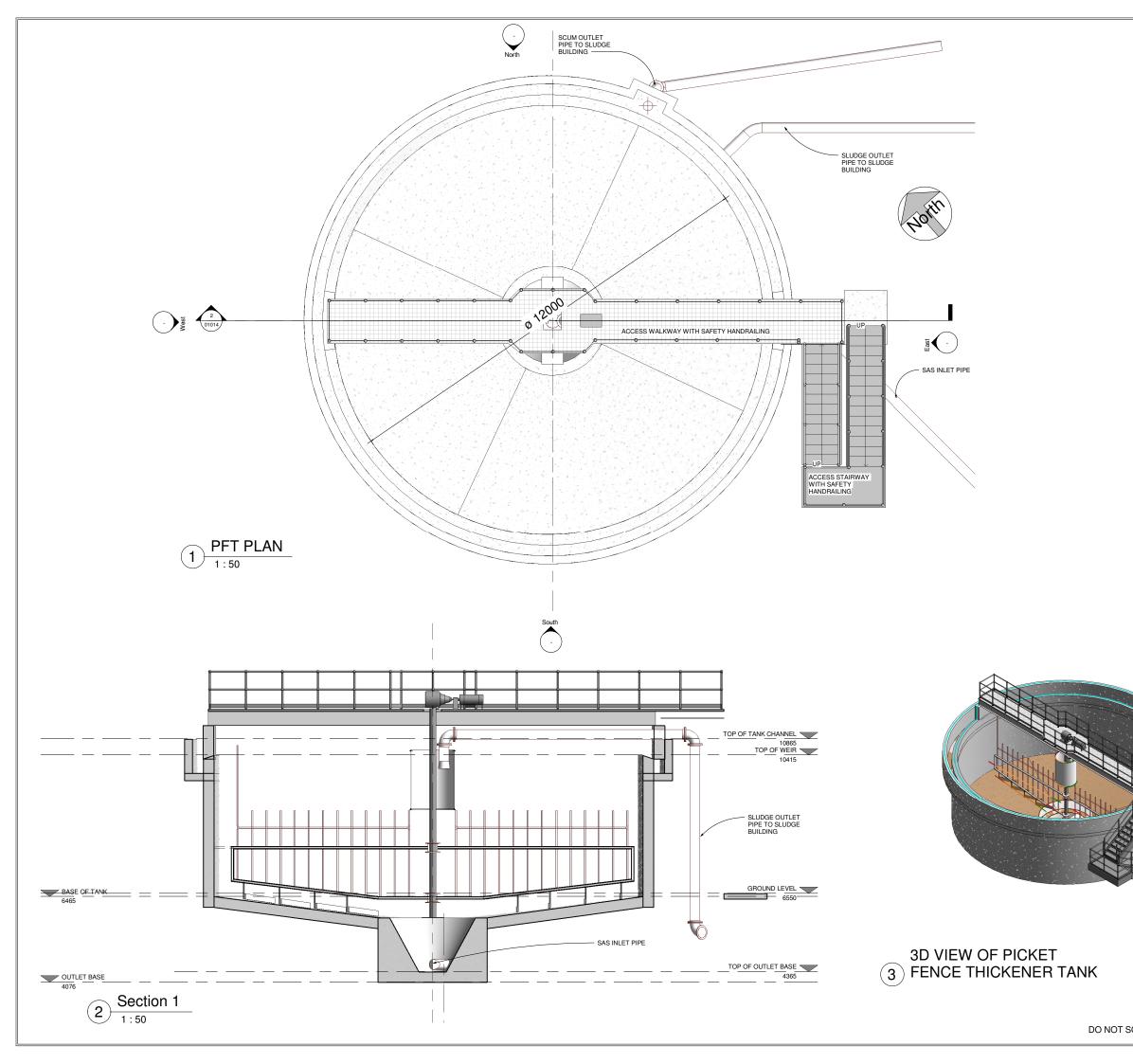
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Rev: Suit: Revision Description Checked: Date: Client: UISCE ENERNY LIREH WATER Colvill House 24-26 Talbot St Dublin 1 Tel:1890 278 278 Intl:-363-1-707 2828 mail:Ind@Water.ie Web:www.water.ie Project: CASTLETROY WASTEWATER TREATMENT PLANT Clients Representative: J. B. Barry and Partners Limited Consulting Engineers Cliescon House Dundrum Road Dundrum Road Dundrum Road Park Dundrum Road Park Dundrum Road Dundrum JBB-0x-Xx.DR.Z Tel: -453 1495 1400 Web: www.jbbarry.ie Drawn By: LHA Date: 06/12/22 Approved by: PJ Date: 06/12/22 Internaliting Stage EIAR Drawing Title: PROPOSED STORMWATER STORAGE TANK AND RETURN PUMP STATION 3D OVERALL VIEW Scales: Drawing No: Sheet No:									
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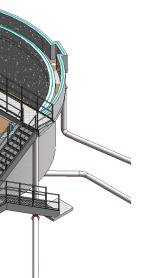
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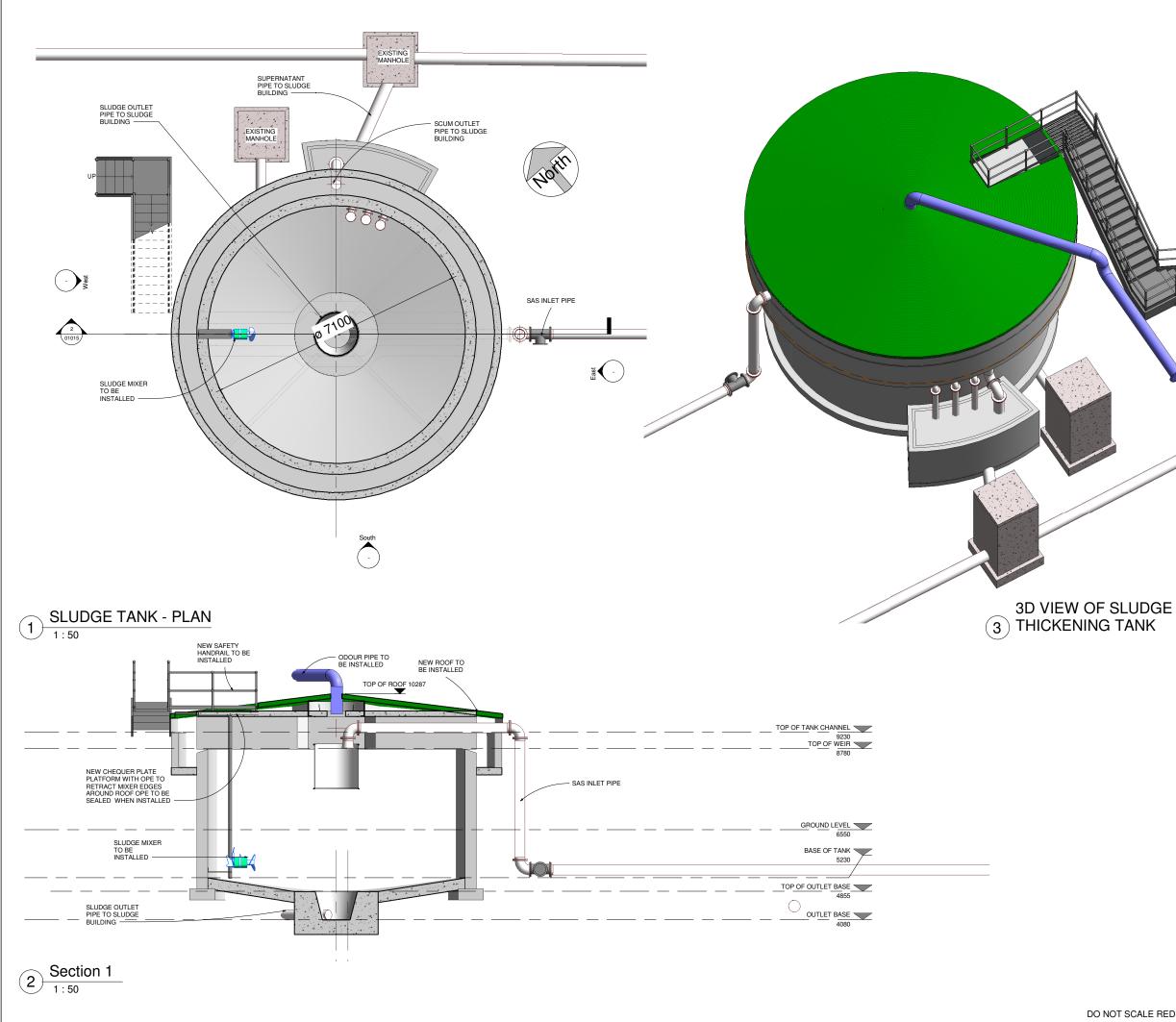
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Drawn By:

Checked By:

Drawing Title:

Approved by: PJ

Internal Project No. 20701-JBB-00-XX-DR-Z-

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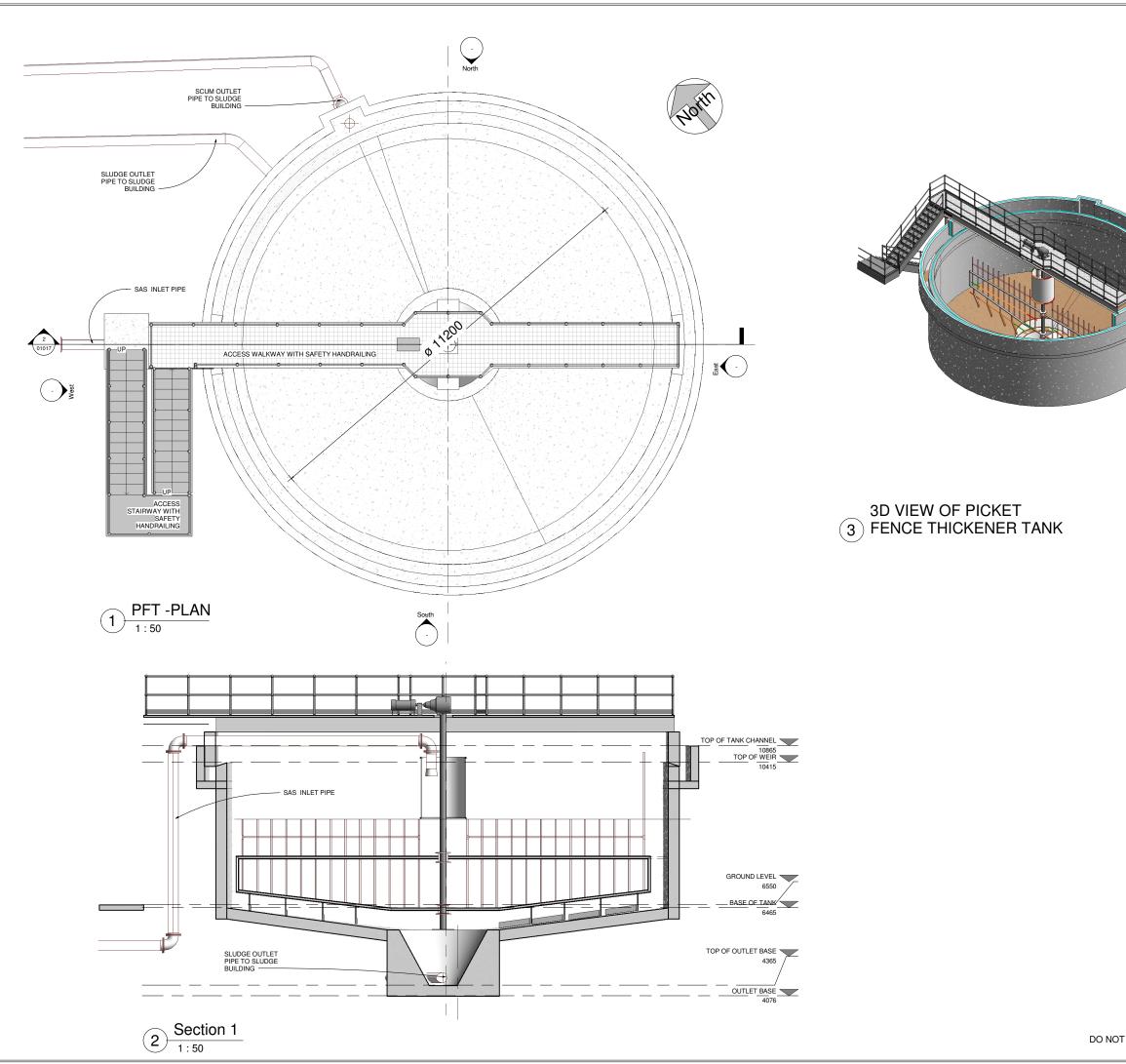
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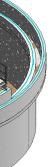
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Tel:1890 278 278 Intl:+353-1-707 2828 email:info@water.ie Web:www.water.ie WATER CASTLETROY WASTEWATER TREATMENT PLANT Clients Rep J. B. Barry and Partners Limited Consulting Engineers Classon House Dundrum Business Park Dundrum Road Dublin 14 Dublin 14

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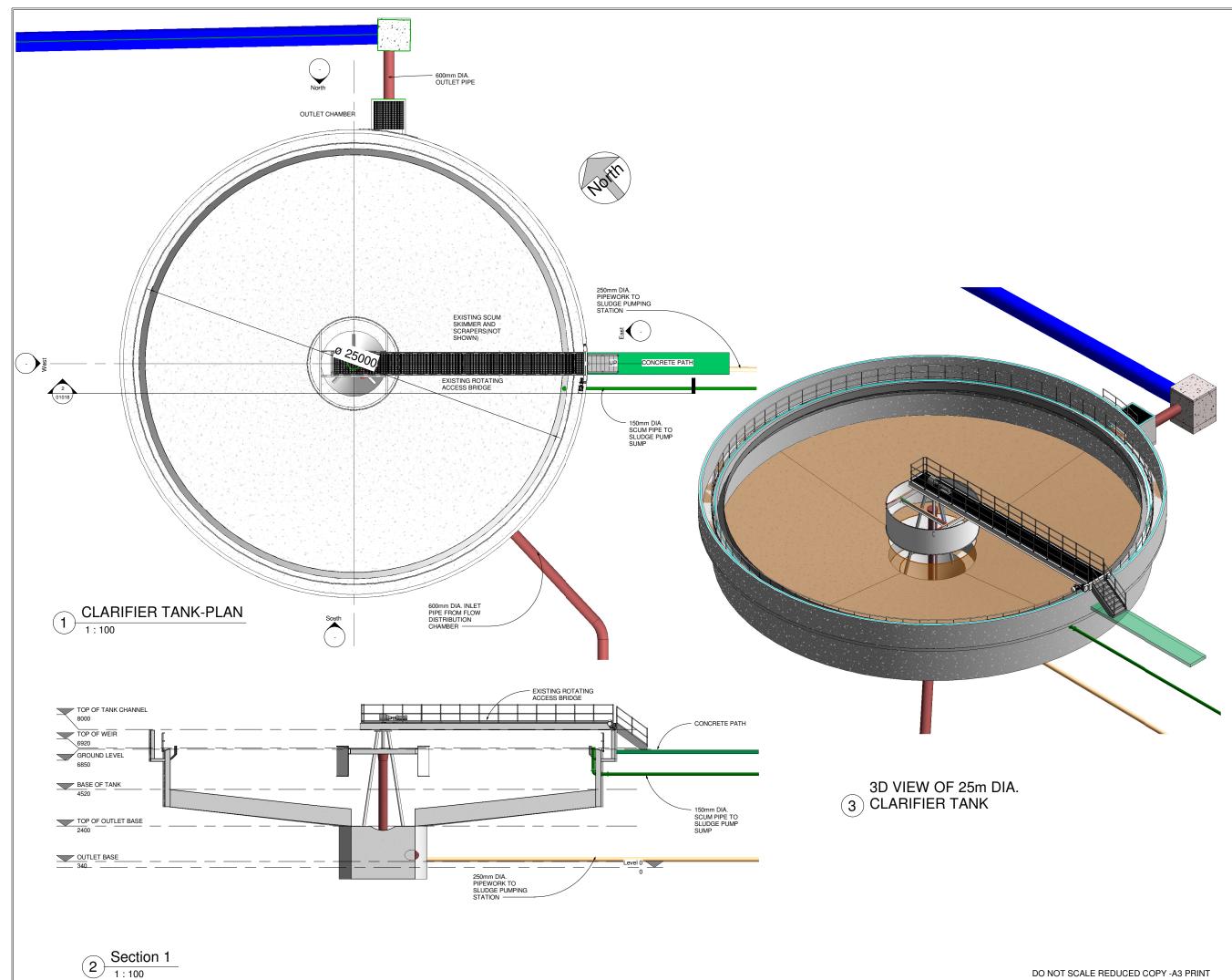
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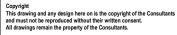
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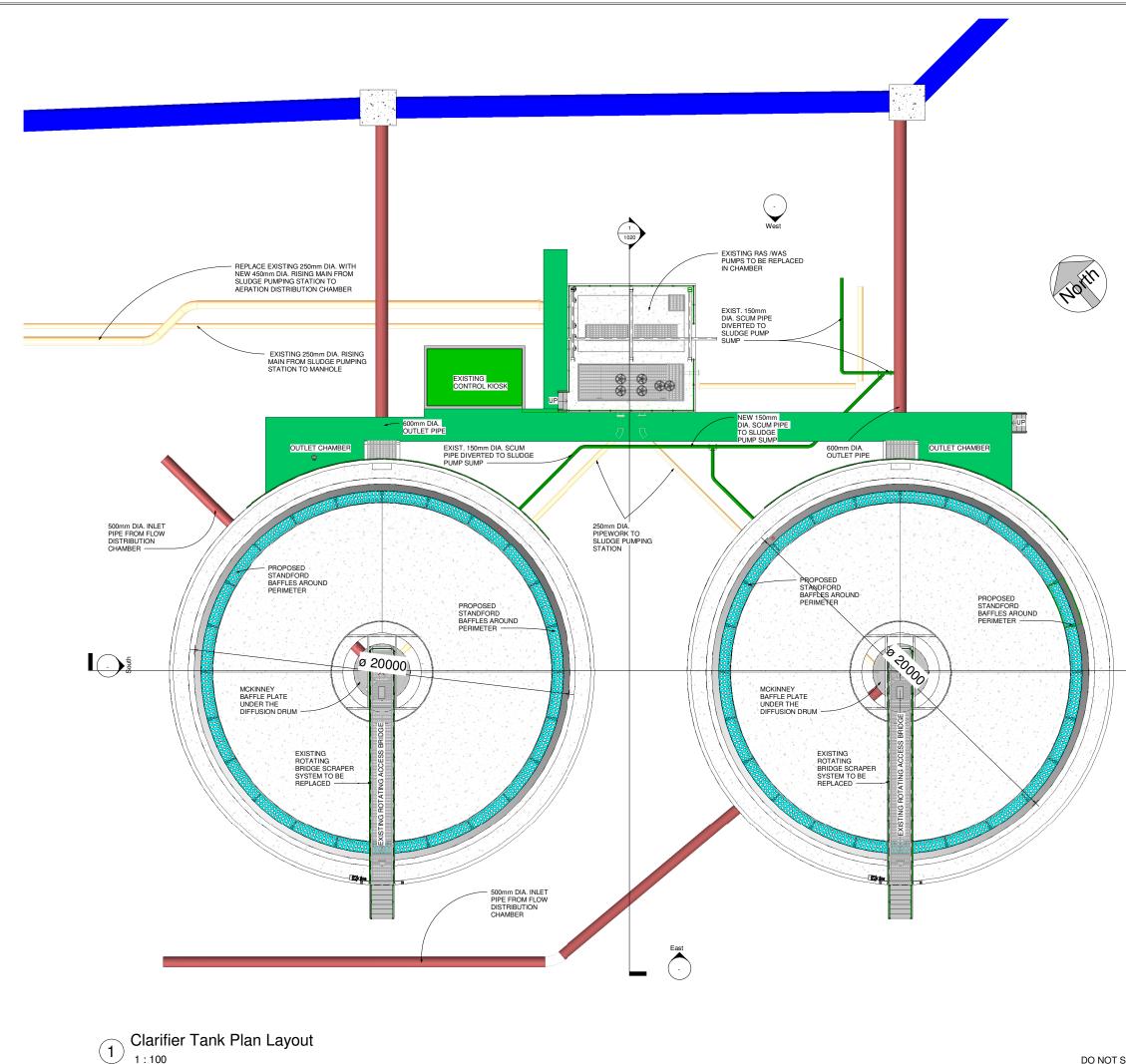
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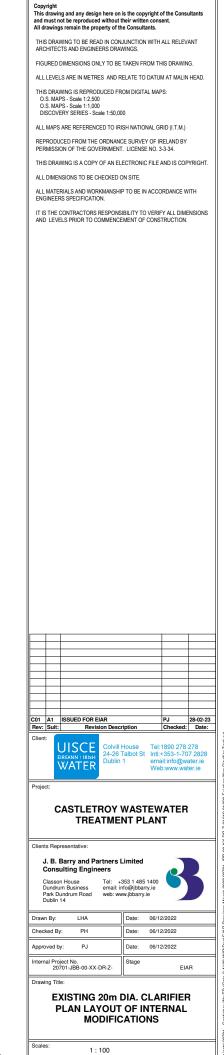
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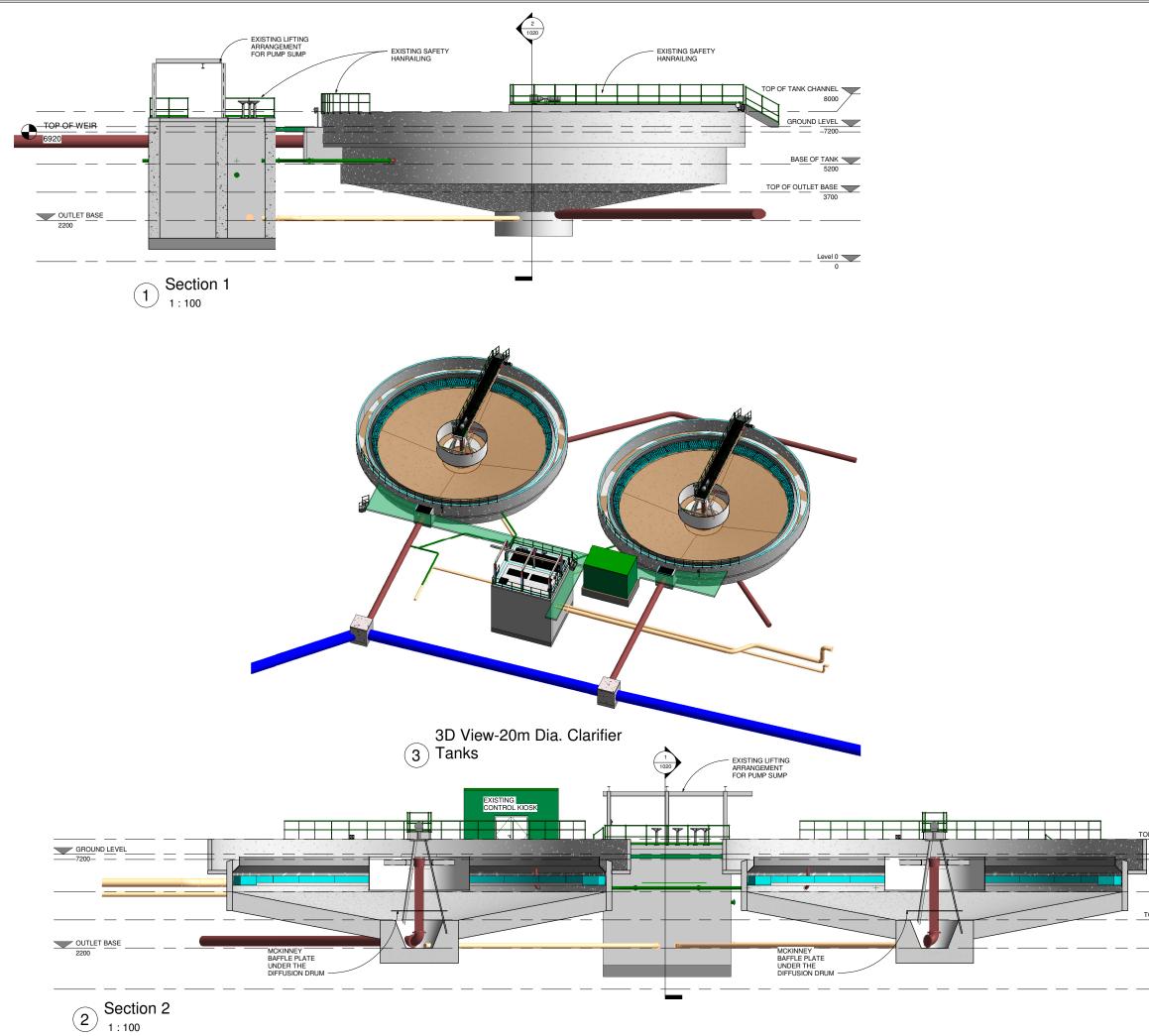
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Classon House Tel: + Dundrum Business email: i	353 1 485 1400 nfo@ibbarry.ie ww.jbbarry.ie
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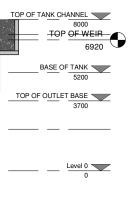


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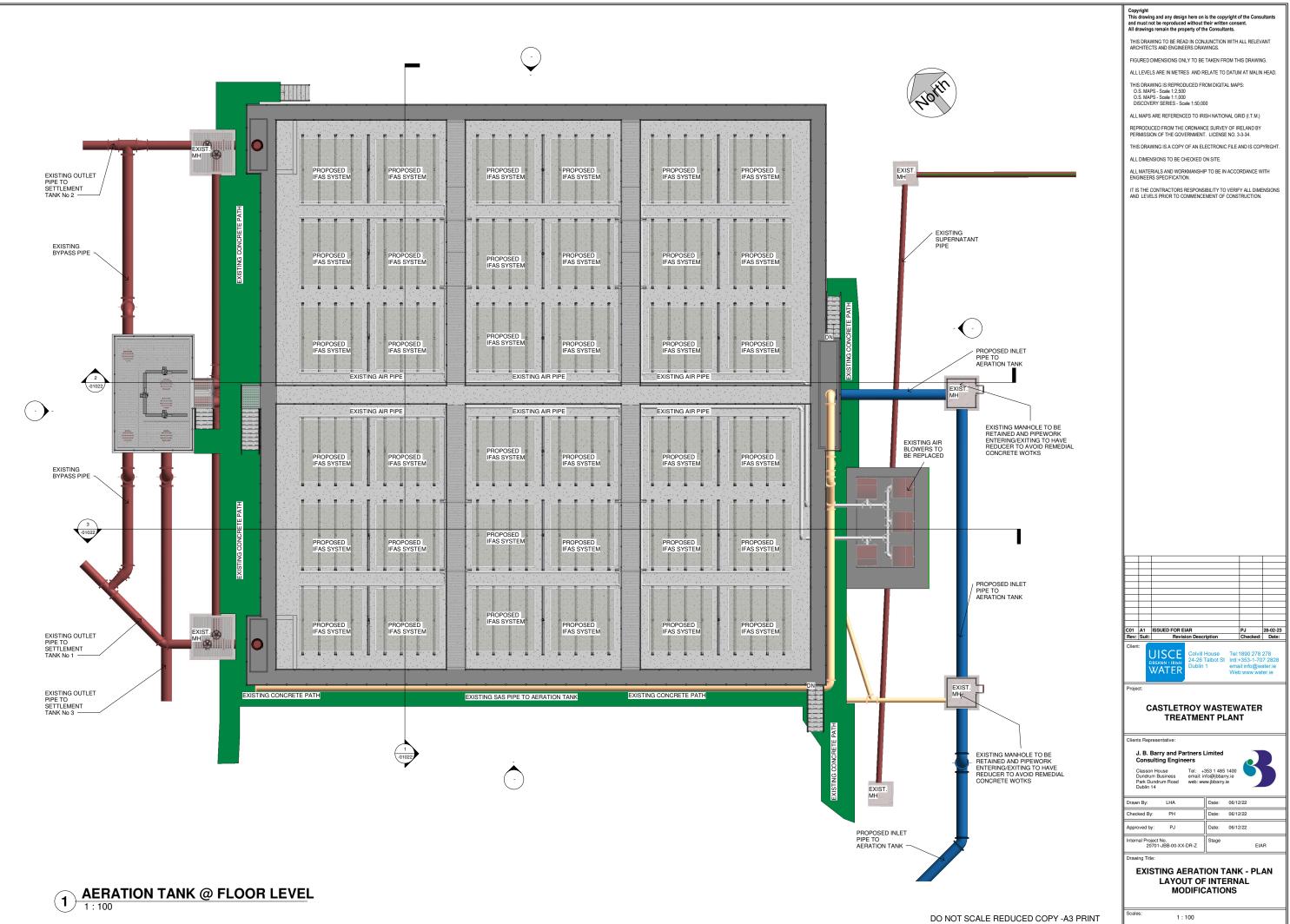
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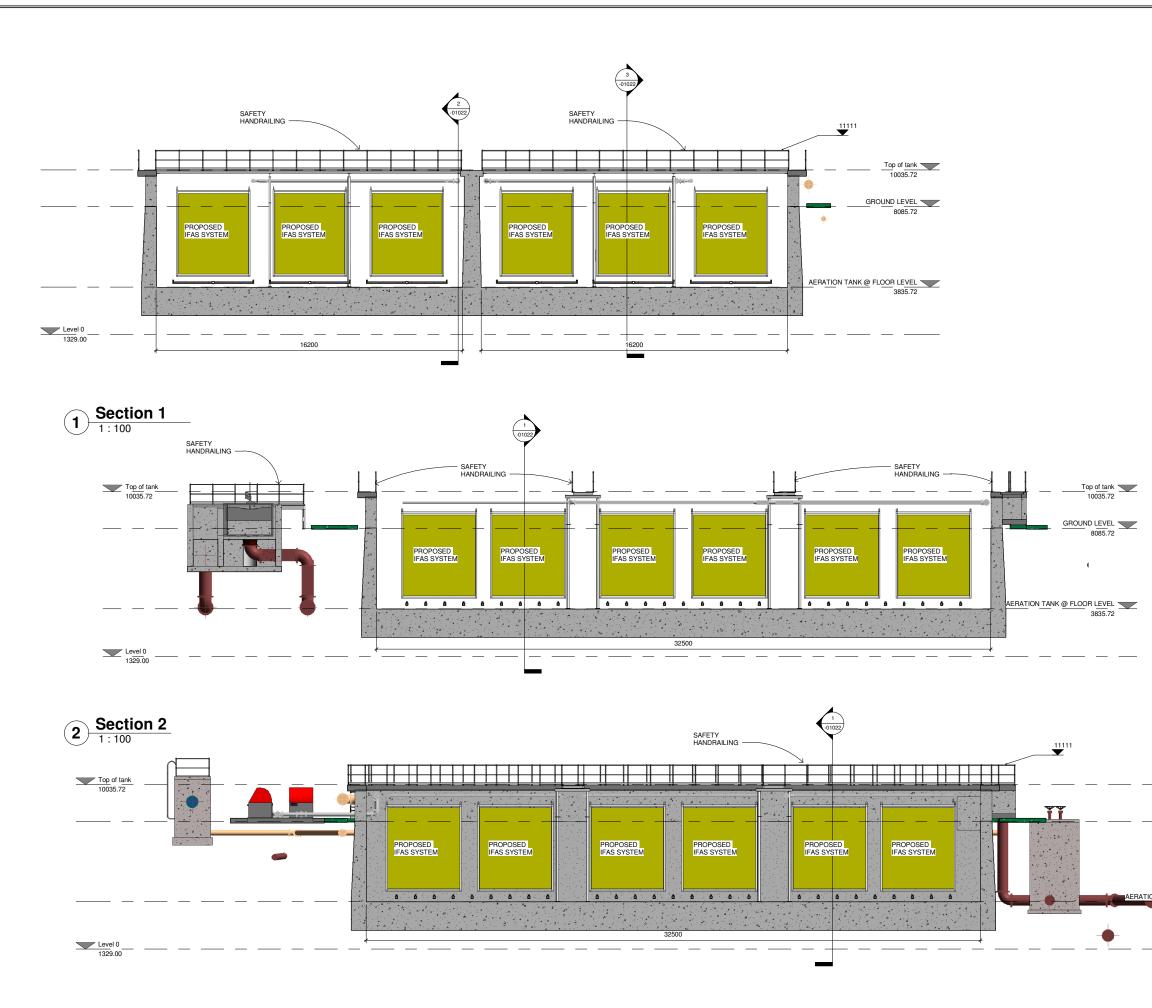
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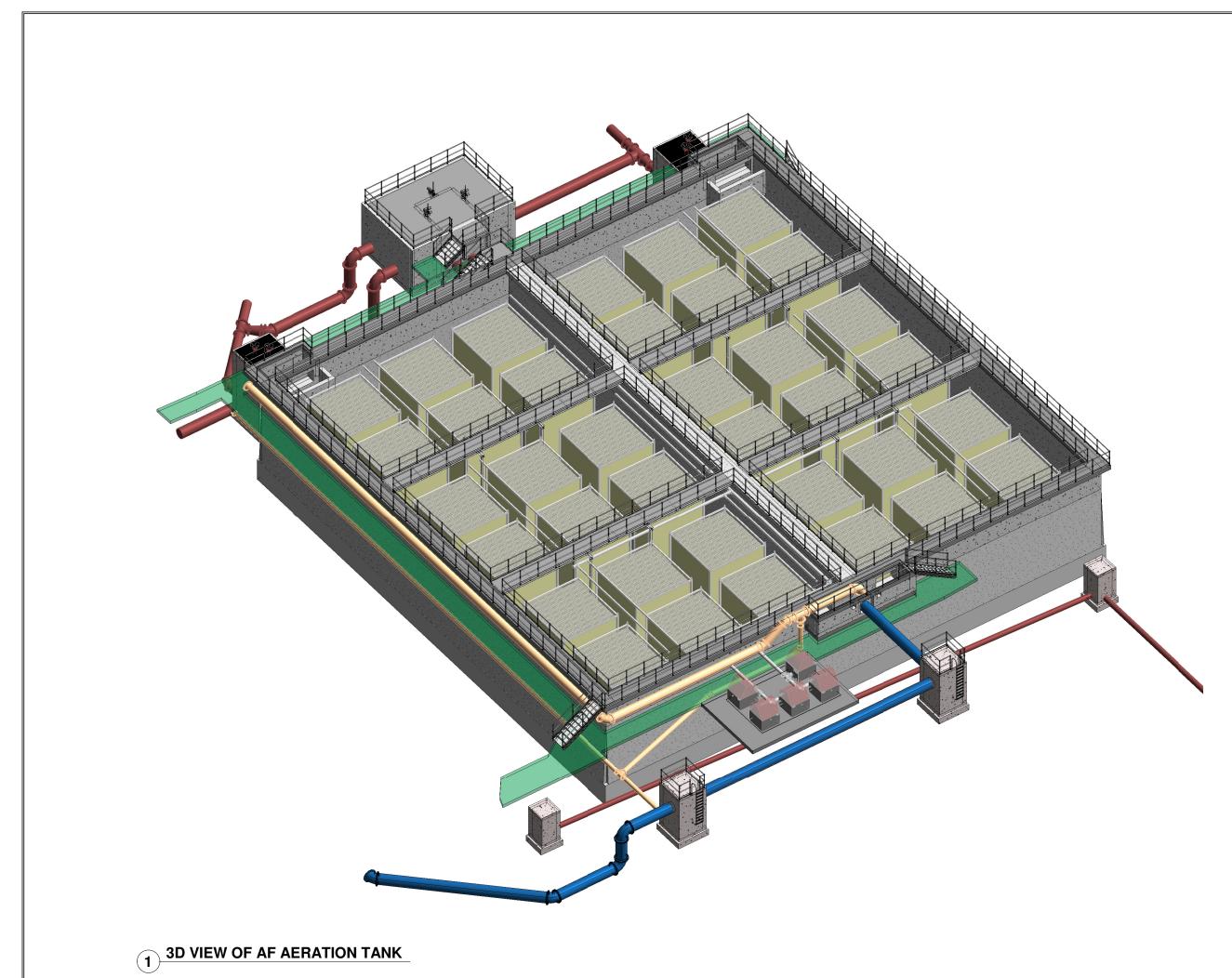


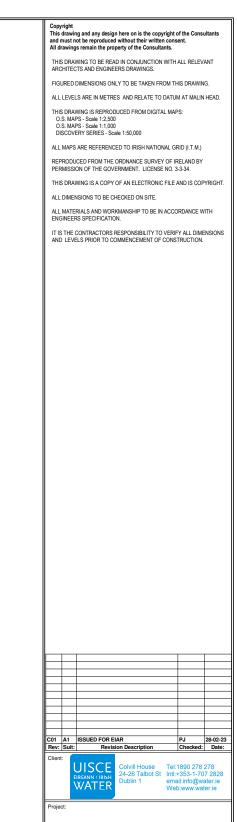
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CASTLETROY WASTEWATER TREATMENT PLANT

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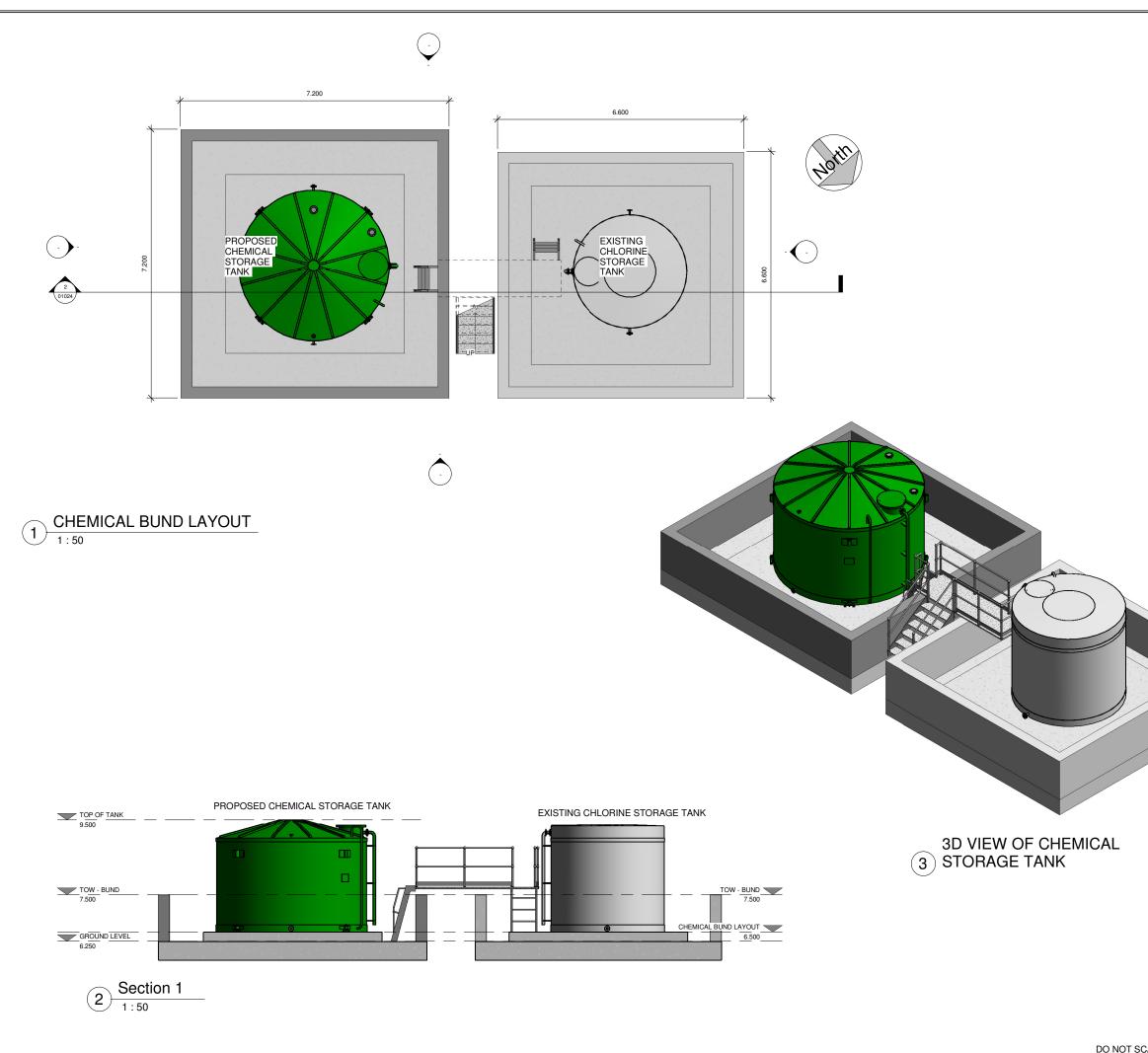
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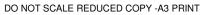
Classon House Dundrum Business Park Dundrum Road Tel: +353 1 485 1400 email: info@jbbarry.ie web: www.jbbarry.ie

rawn By: LHA	Date: 06/12	/22
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EXISTING AERATION - 3D VIEW OF INTERNAL MODIFICATIONS

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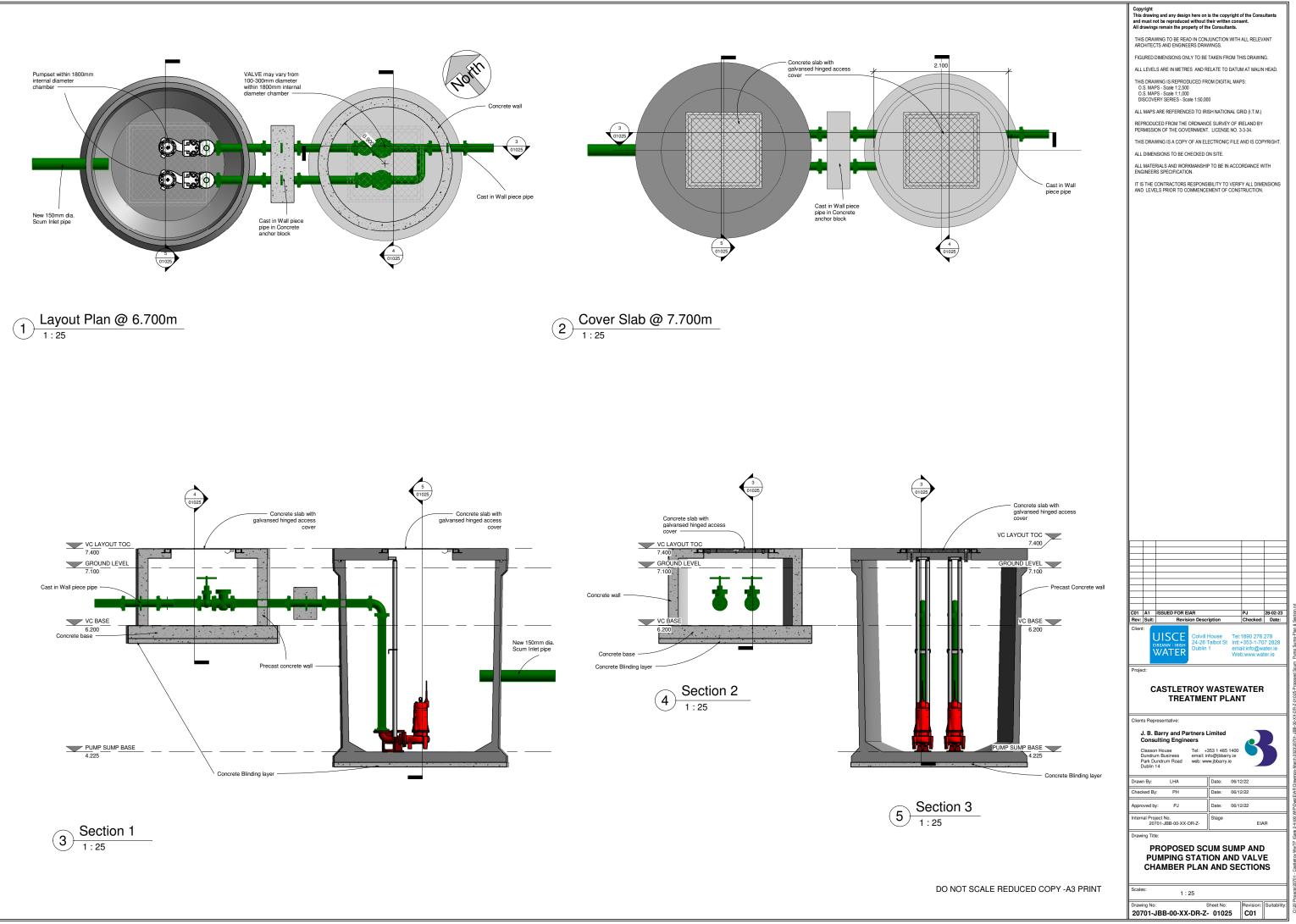
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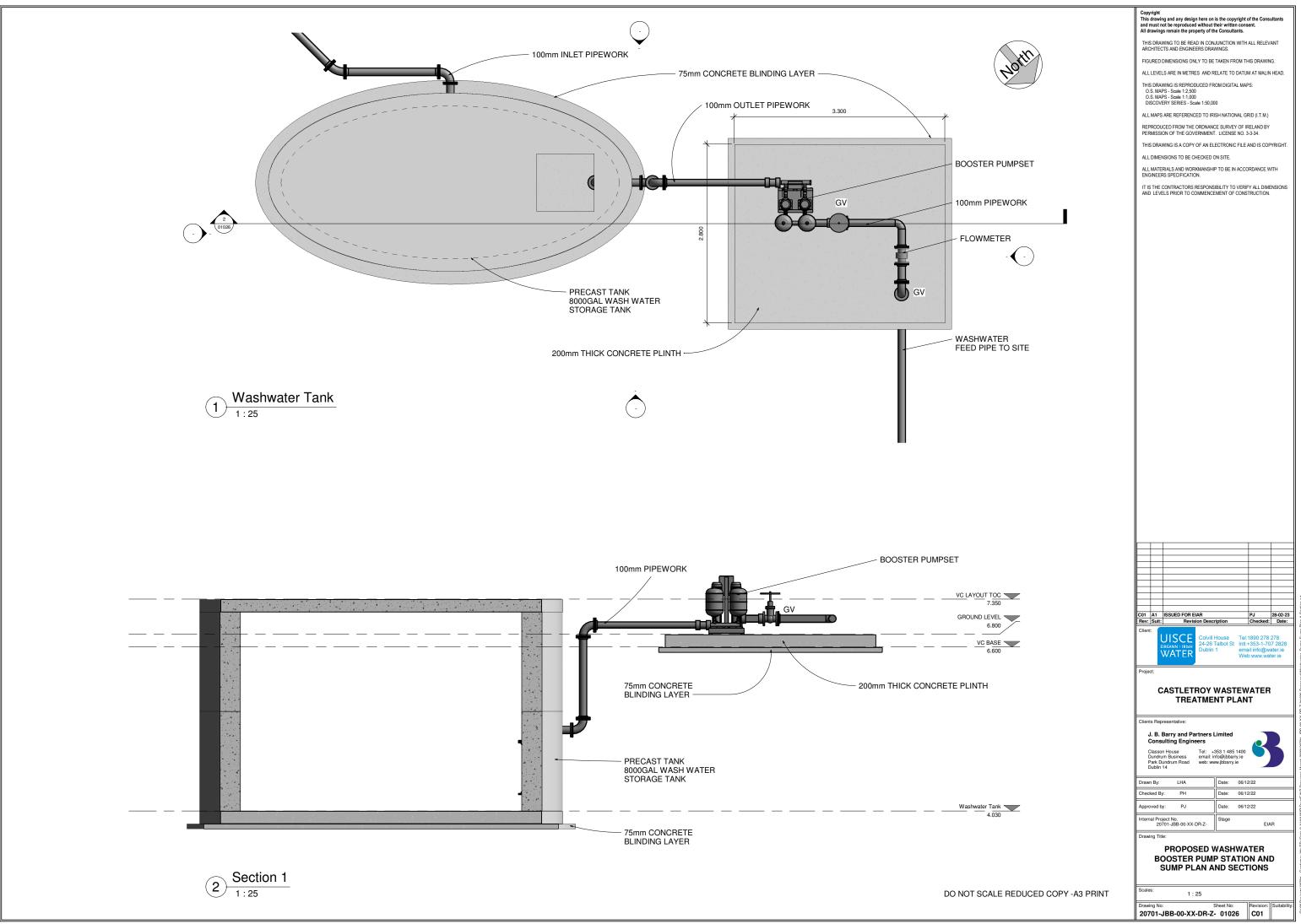
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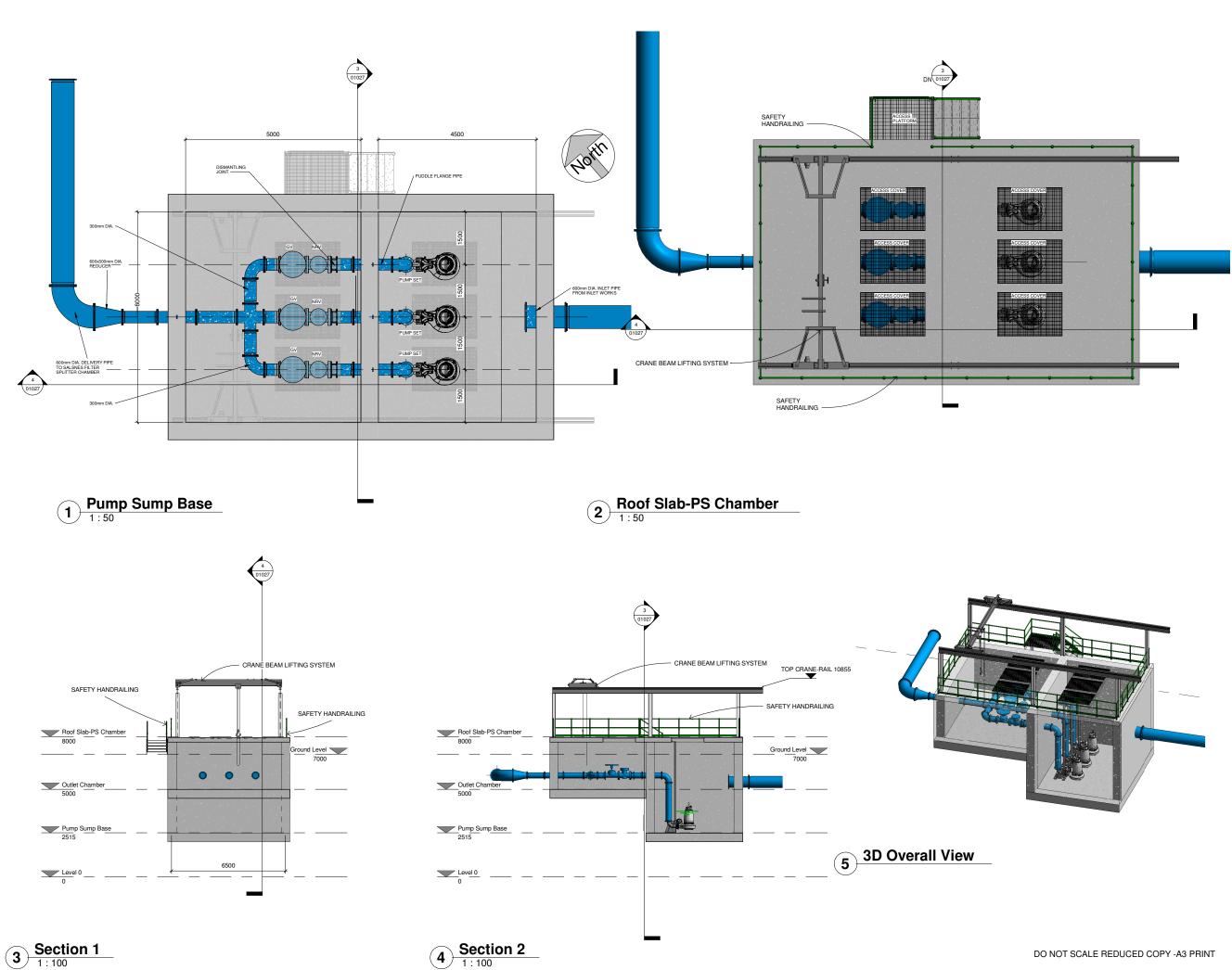
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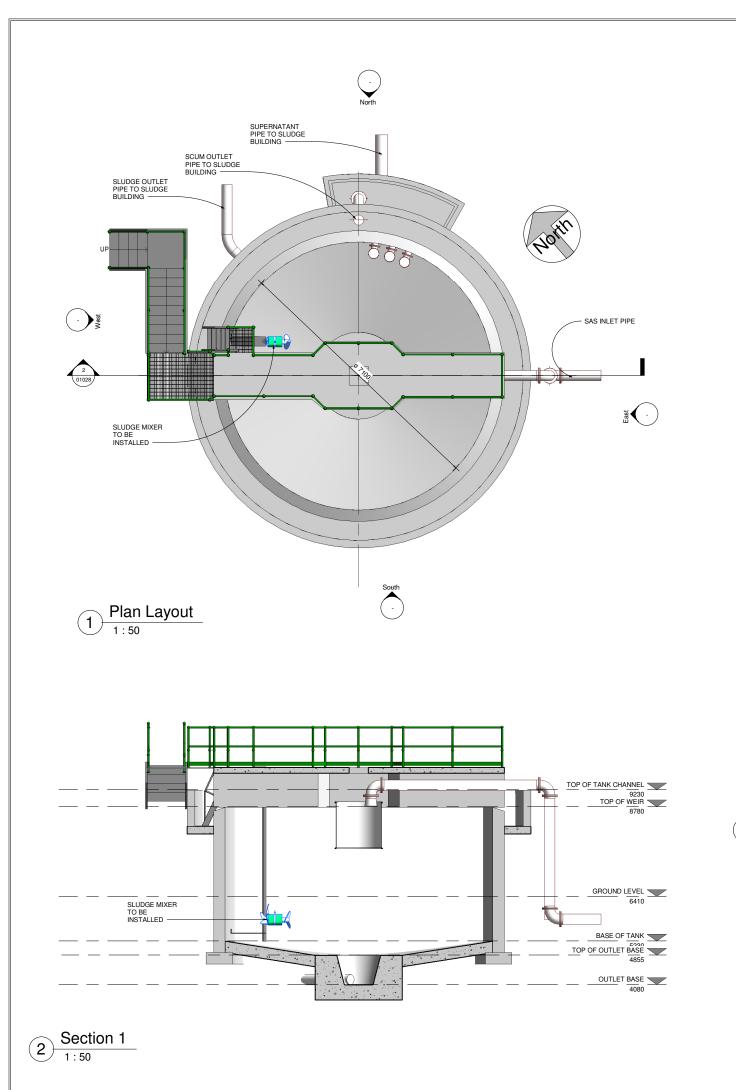
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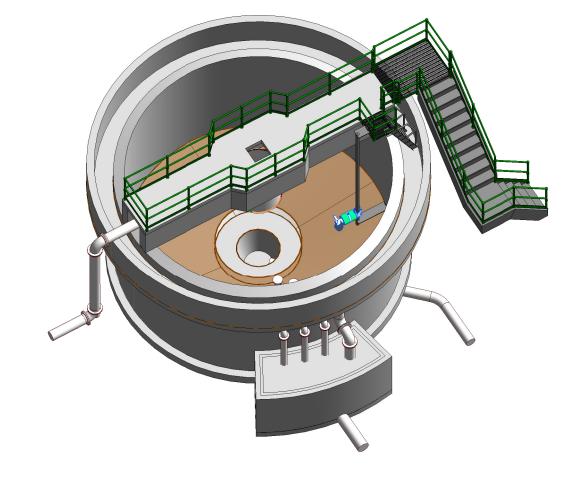
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C01 A1 ISSUED FOR EIAR Rev: Suit: Revision Description	PJ 28-02-23 Checked: Date:
Client: UISCE EREANN : IRISH WATER Colvill House 24-26 Talbot Dublin 1	
CASTLETROY WAS TREATMENT I	
Clients Representative:	
J. B. Barry and Partners Limite Consulting Engineers Classon House Dundrum Business Park Dundrum Road Dublin 14	l85 1400 barry.ie
Drawn By: LHA Date:	06/12/22
Checked By: PH Date:	06/12/22
Approved by: PJ Date:	06/12/22
Internal Project No. 20701-JBB-00-XX-DR-Z-	EIAR
Drawing Title: PROPOSED STORM PUMP SUMP PLAN AI	-
Scales: As indicated	





3D View - Sludge 3 Thickening Tank



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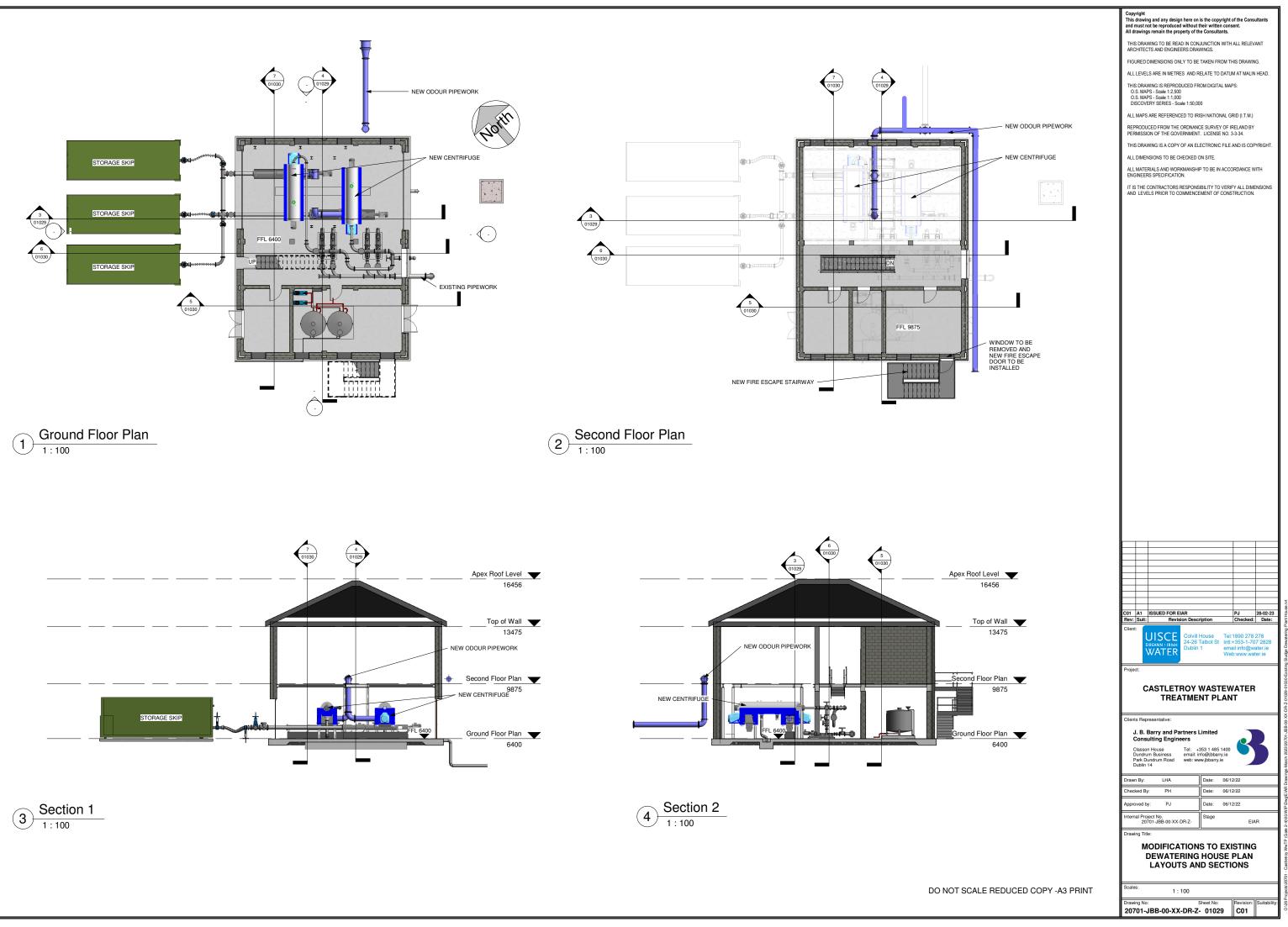
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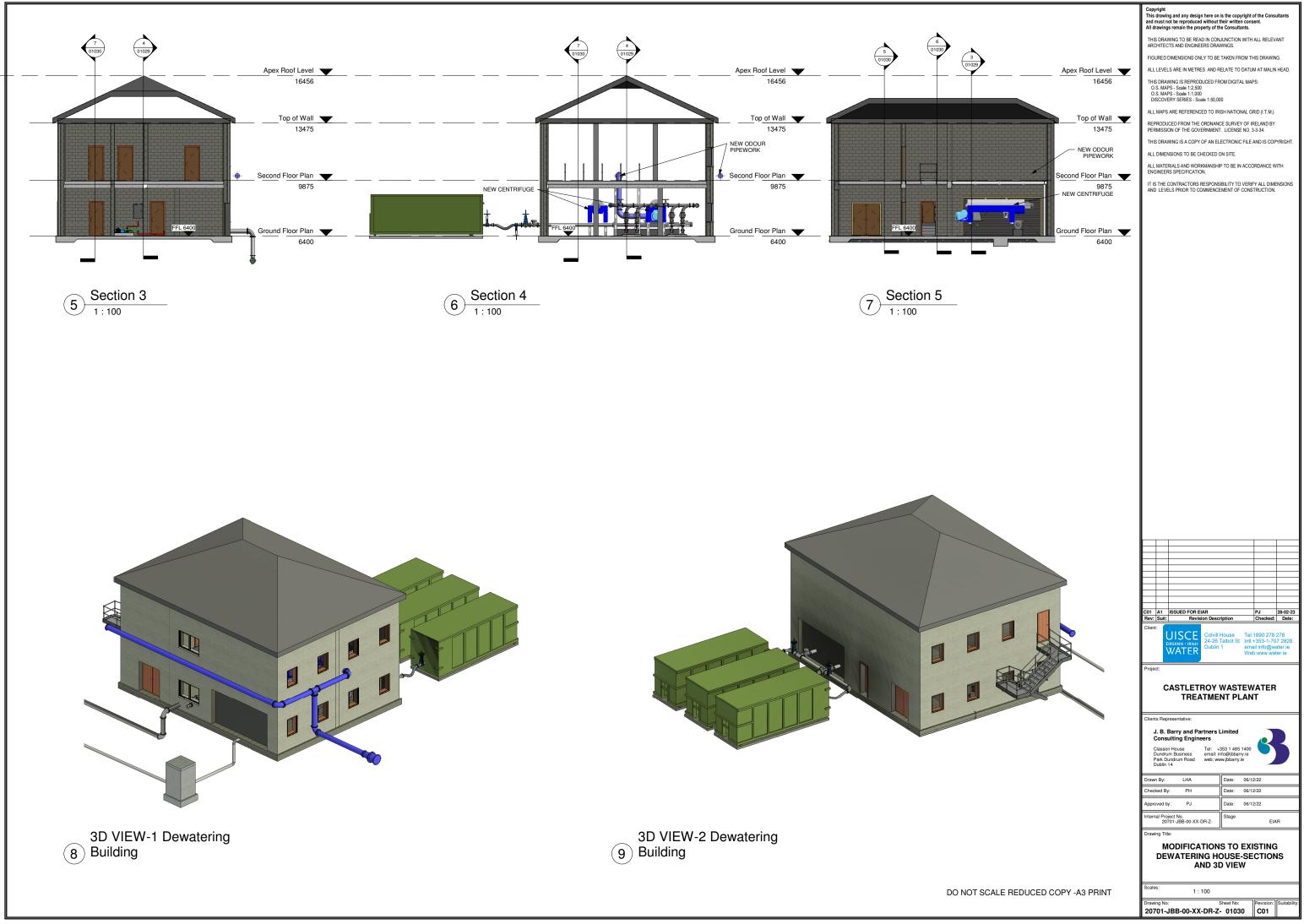
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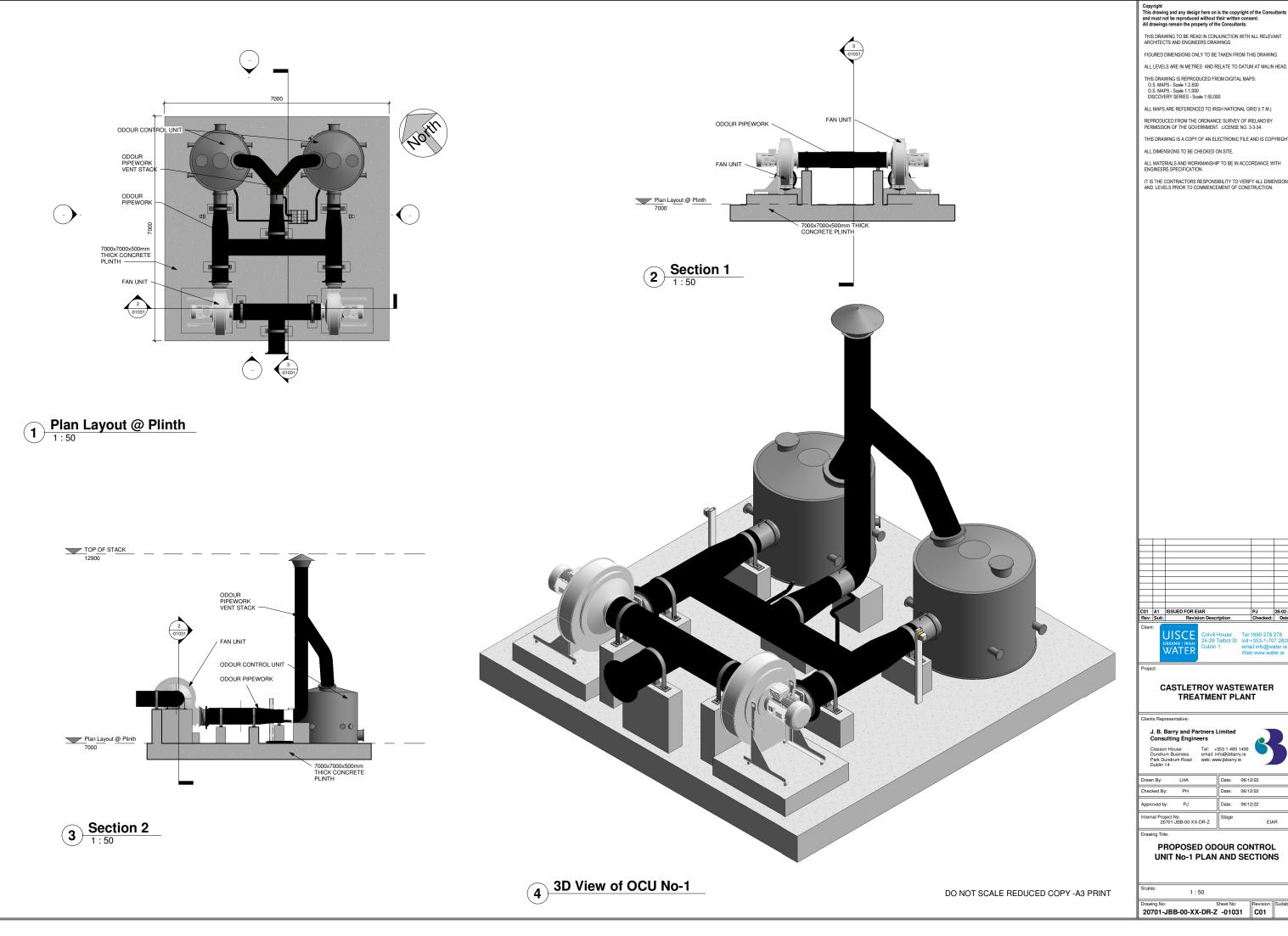
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	House Tel:1890 278 278 Talbot St Intl:+353-1-707 2828 1 email:info@water.ie Web:www.water.ie
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	WASTEWATER NT PLANT
Clients Representative:	
Dundrum Business email: i	Limited 353 1 485 1400 nfo@jbbarry.ie wujbbarry.ie
Drawn By: LHA	Date: 06/12/22
Checked By: PH	Date: 06/12/22
Approved by: PJ	Date: 06/12/22
Internal Project No. 20701-JBB-00-XX-DR-Z-	Stage EIAR
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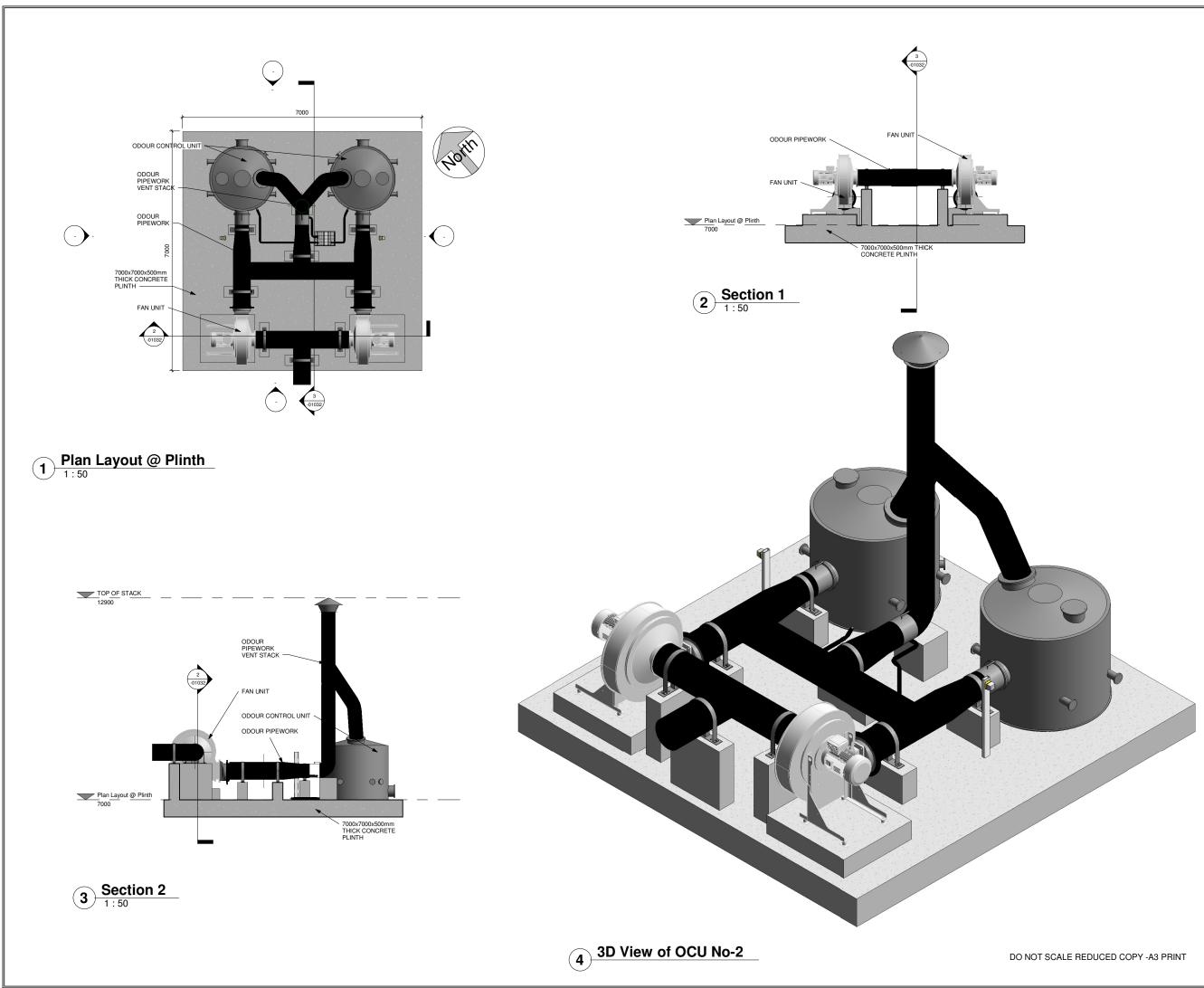
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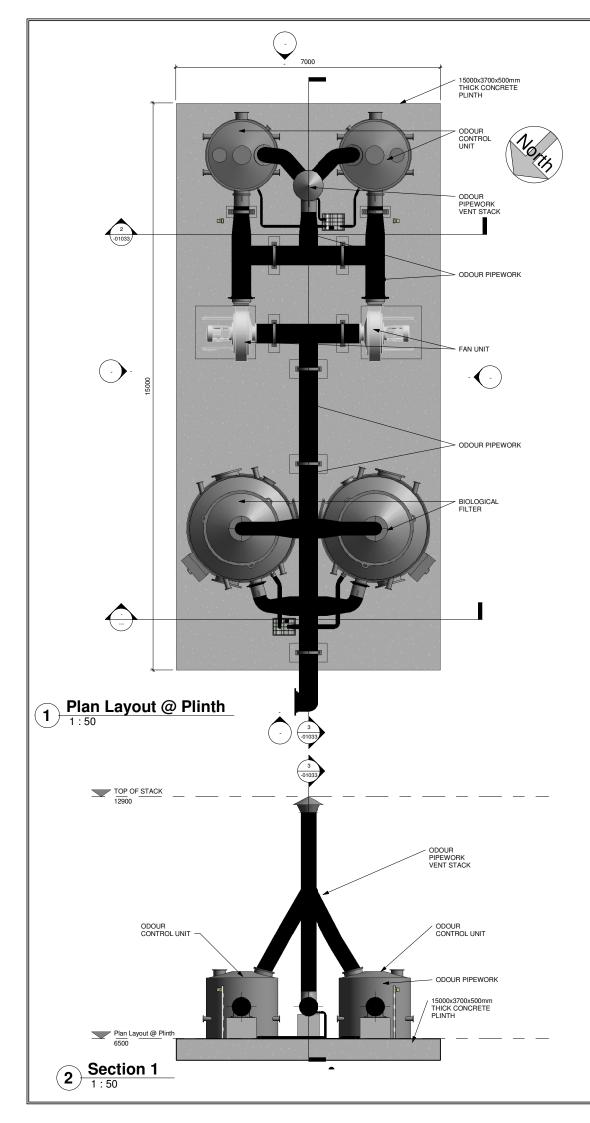
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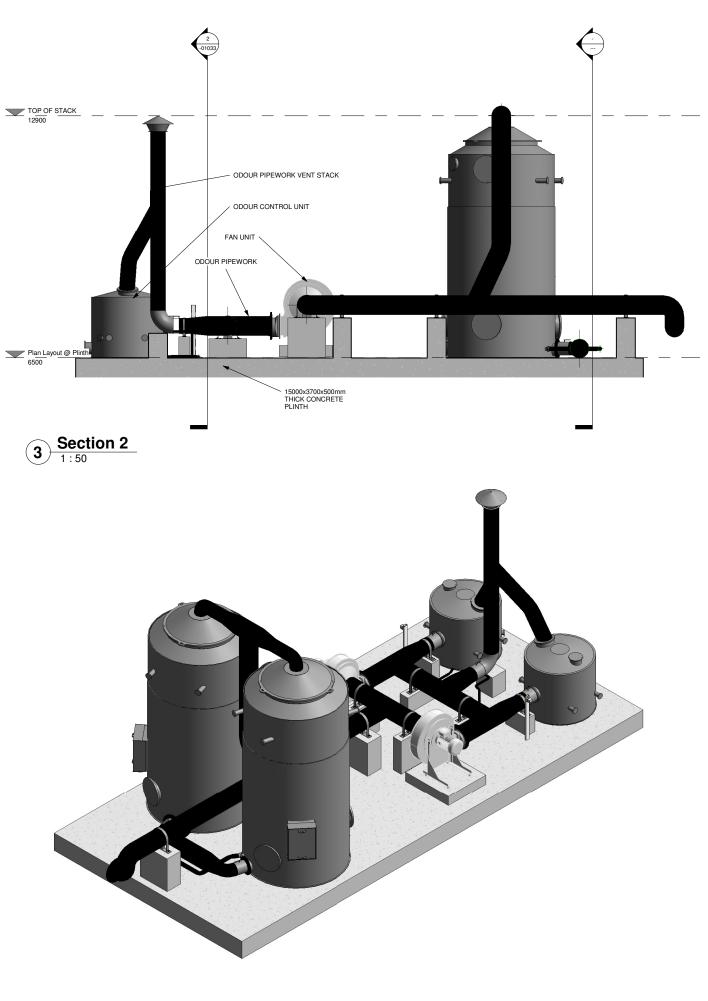
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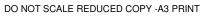
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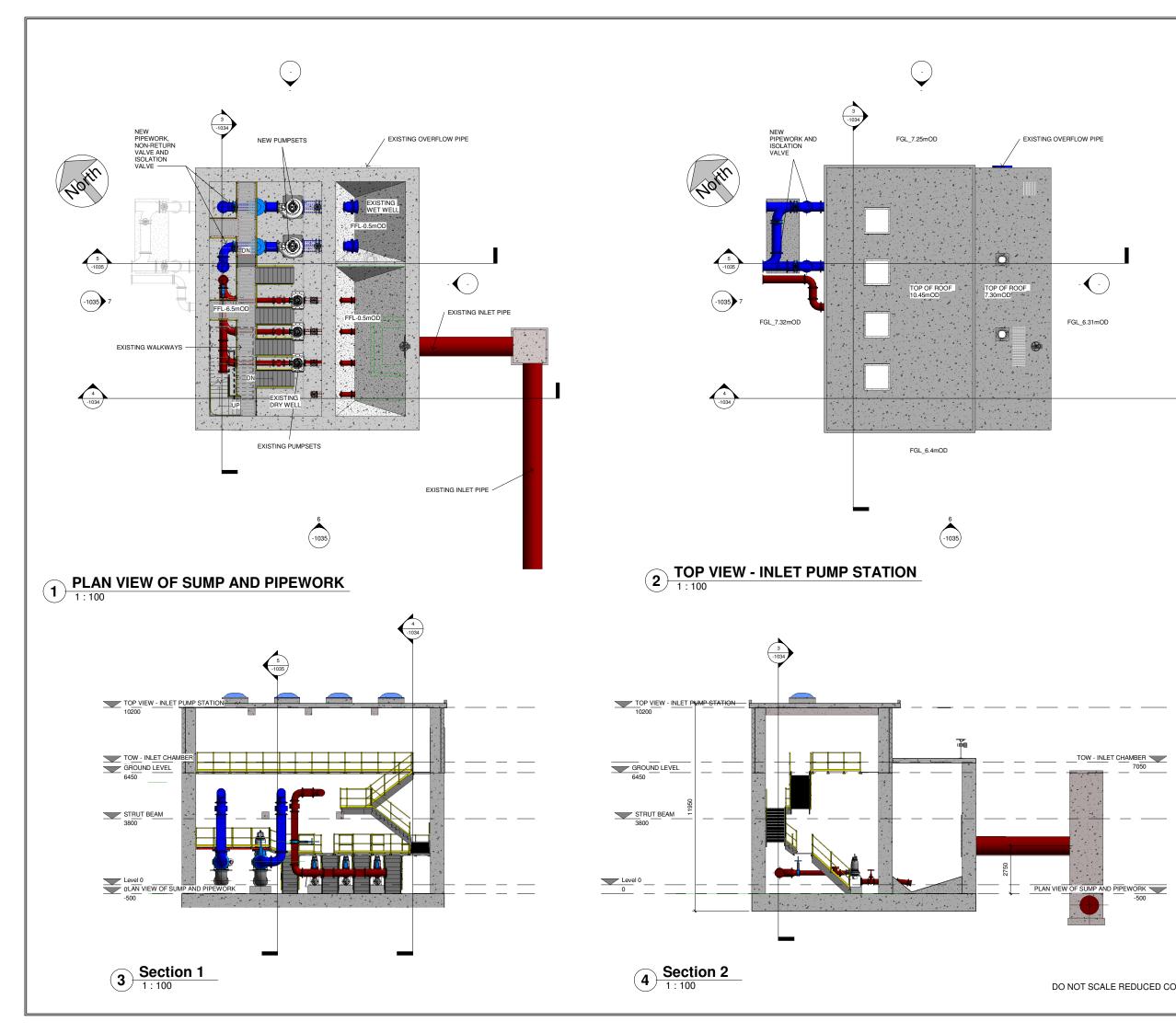
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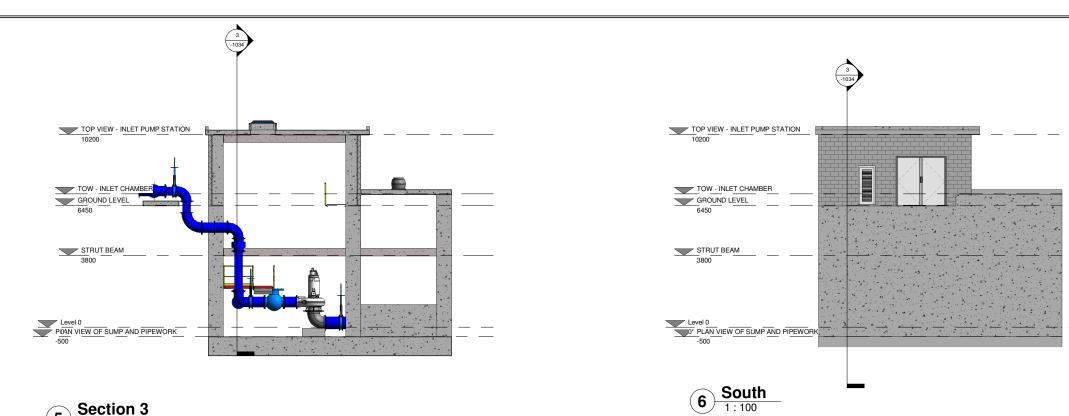
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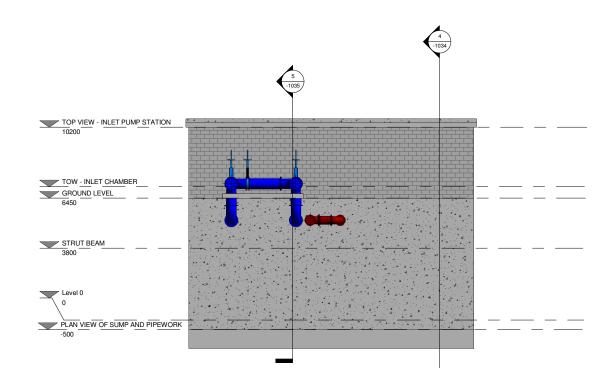
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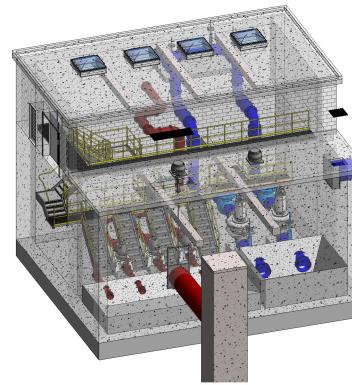
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	Project:				
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	J. B. Barry and Partners L Consulting Engineers				
	Dundrum Business email: in Park Dundrum Road web: ww	53 1 485 1400 io@jbbarry.ie w.jbbarry.ie			
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8 3D VIEW OF PUMP STATION

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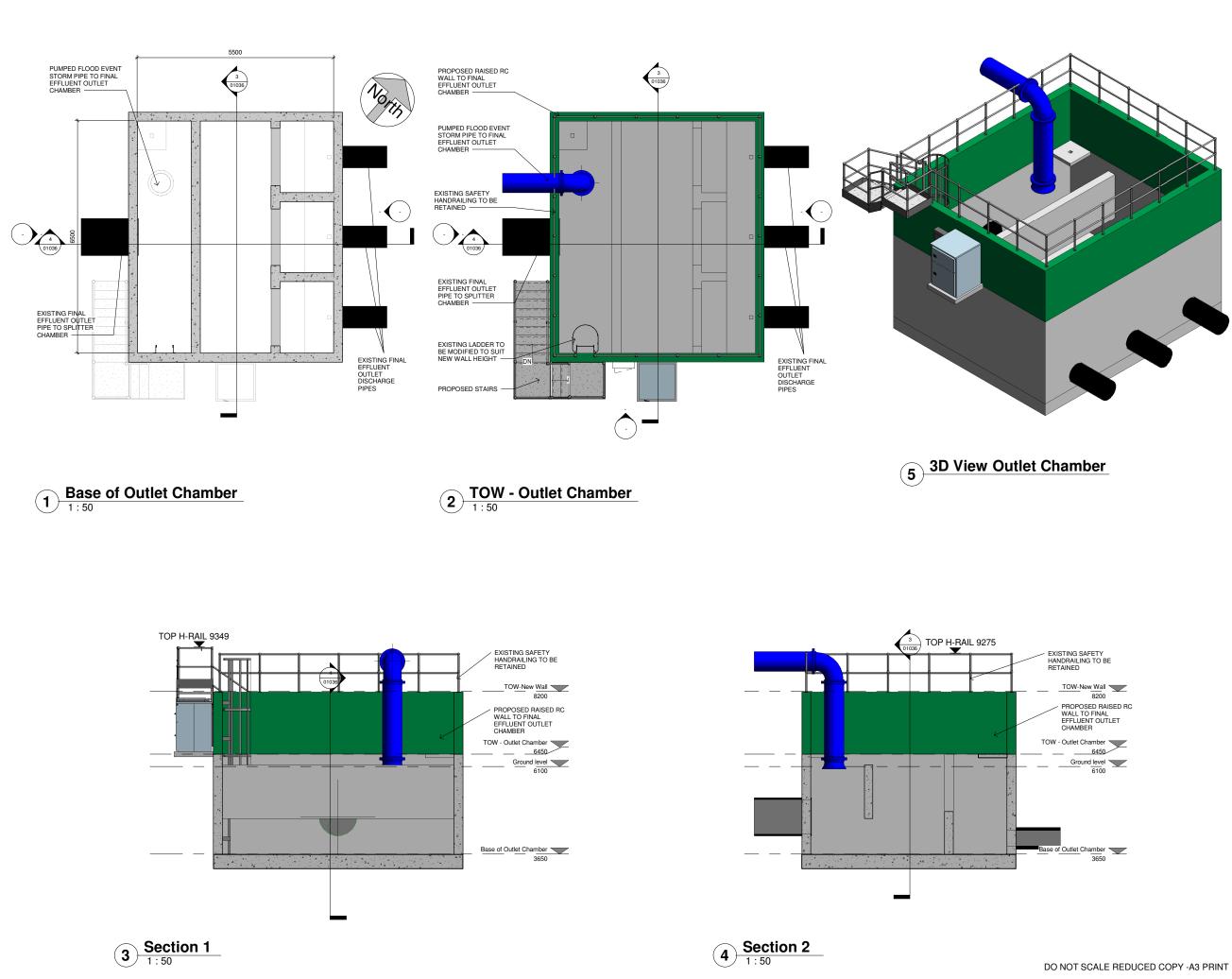
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Client	UISCE BERANN 31RISH WATER Colvill House 24-26 Talbot St Dublin 1 Tel:1830 278 278 Intl:+353-1-707 2828 email:inf@water.ie Web:www.water.ie									
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	CASTLETROY WASTEWATER TREATMENT PLANT									
Client	s Rep	resentative:								
C D P	J. B. Barry and Partners Limited Consulting Engineers Classon House Dundrum Rusiness Park Dundrum Road Dublin 14									
Drawr	n By:	LHA		Date:	06/12	2/22				
Check	ked By	r: PH		Date:	06/12	2/22				
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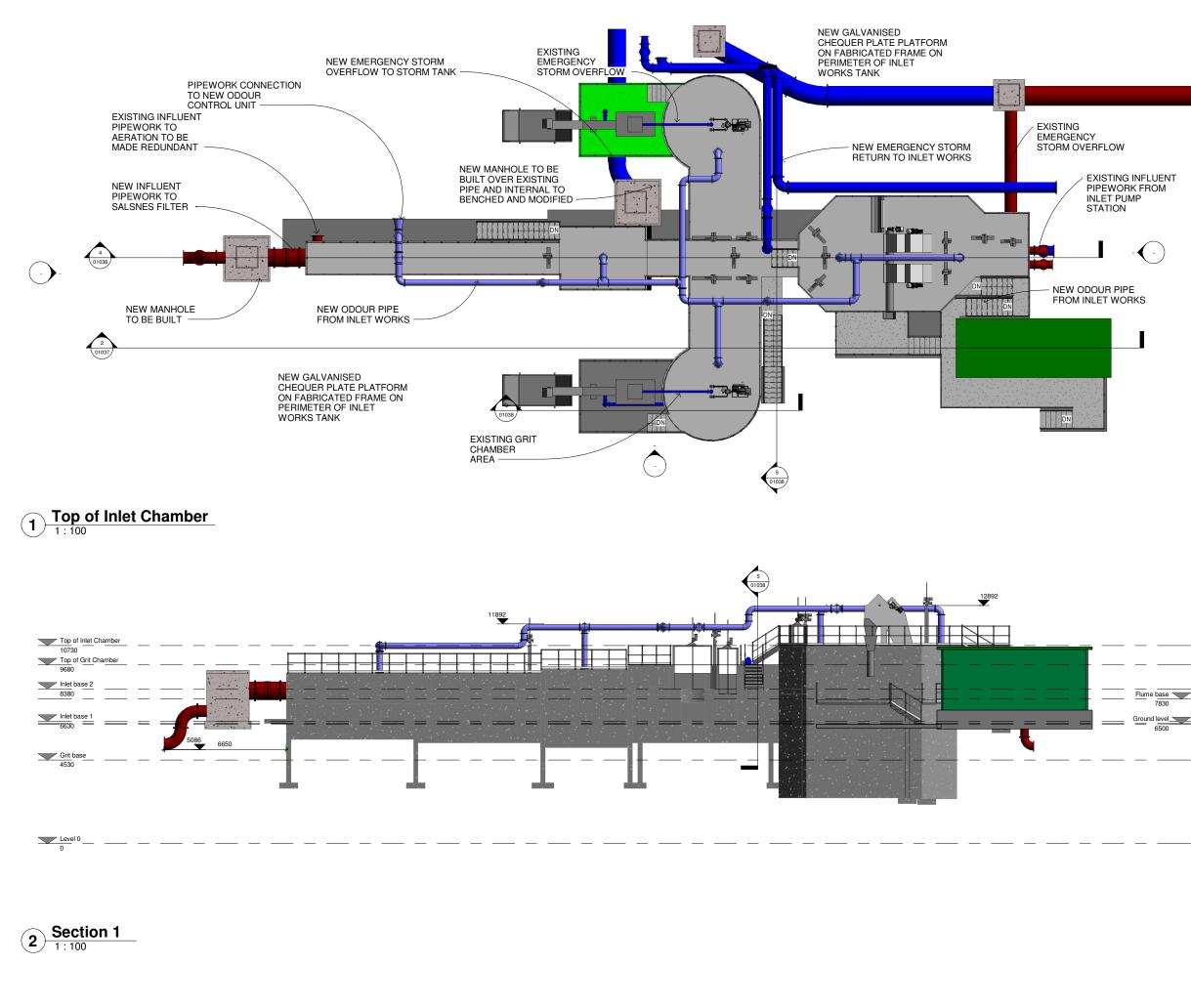
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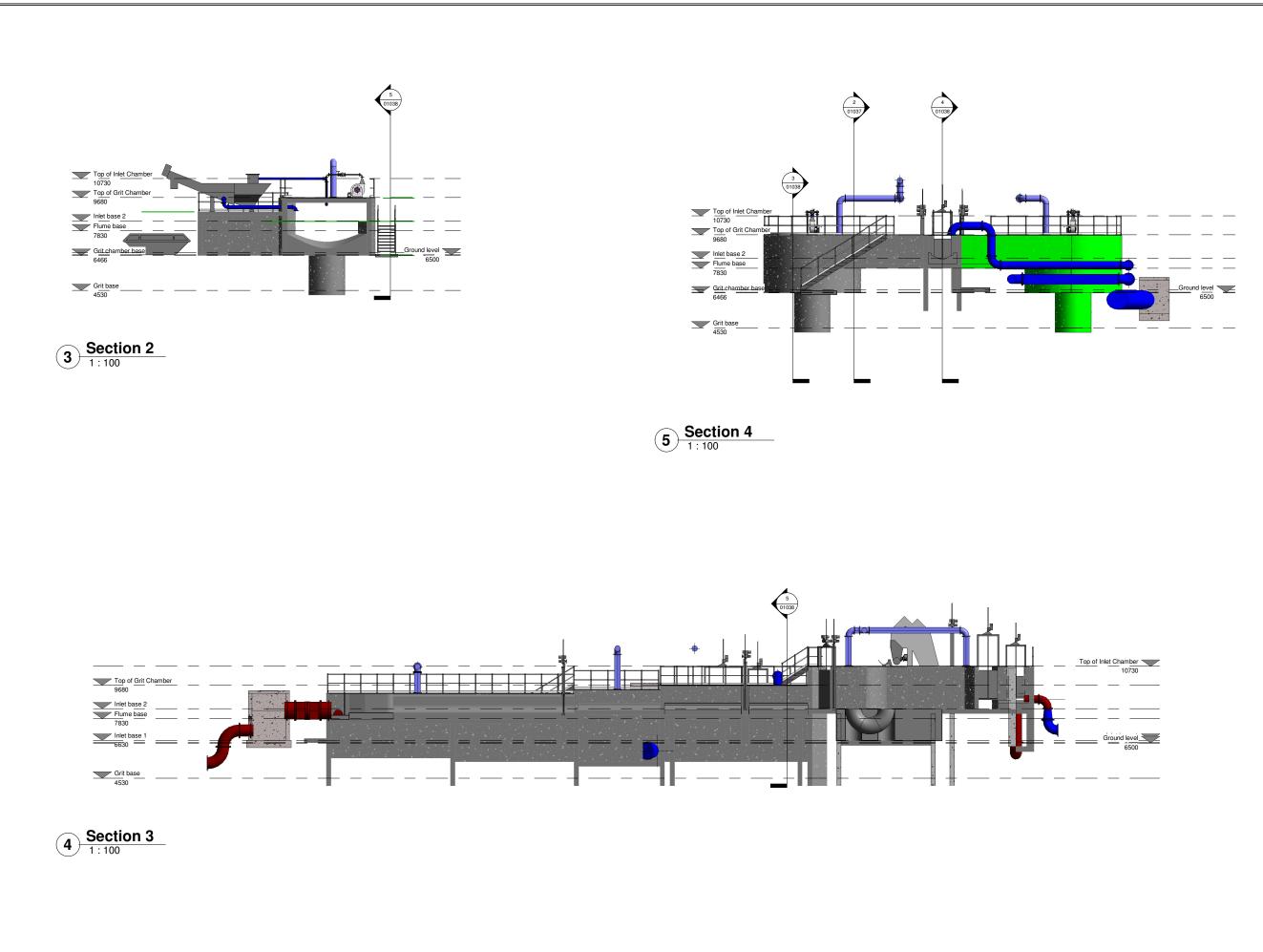
IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND LEVELS PRIOR TO COMMENCEMENT OF CONSTRUCTION.



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C01 A1 ISSUED FOR EIAR Rev: Suit: Revision 28-02-22 d: Date Tel:1890 278 278 Intl:+353-1-707 282 email:info@water.ie Web:www.water.ie JISCE VATER CASTLETROY WASTEWATER TREATMENT PLANT ients Rep J. B. Barry and Partners Limited Consulting Engineers Tel: +353 1 485 1400 email: info@jbbarry.ie web: www.jbbarry.ie Classon House Dundrum Business Park Dundrum Road Dublin 14 Drawn By: LHA Date: 06/12/22 PH Date: 06/12/22 Checked By: Approved by: PJ Date: 06/12/22 nternal Project No. 20701-JBB-00-XX-DR-Z-Stage EIAR rawing Title MODIFICATIONS TO EXISTING INLET WORKS PLAN LAYOUT AND SECTION 1:100 20701-JBB-00-XX-DR-Z- 01037 C01

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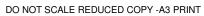
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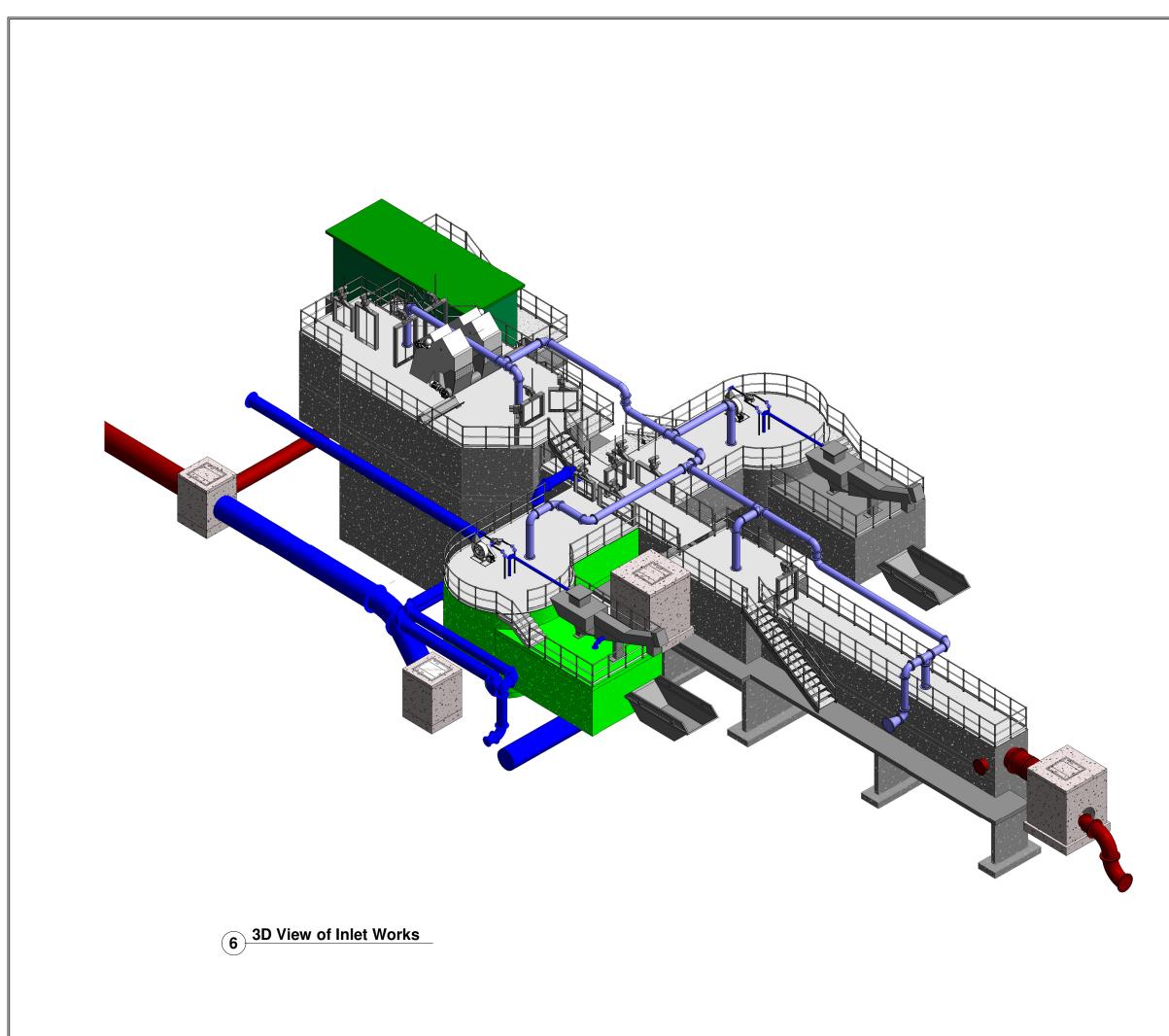
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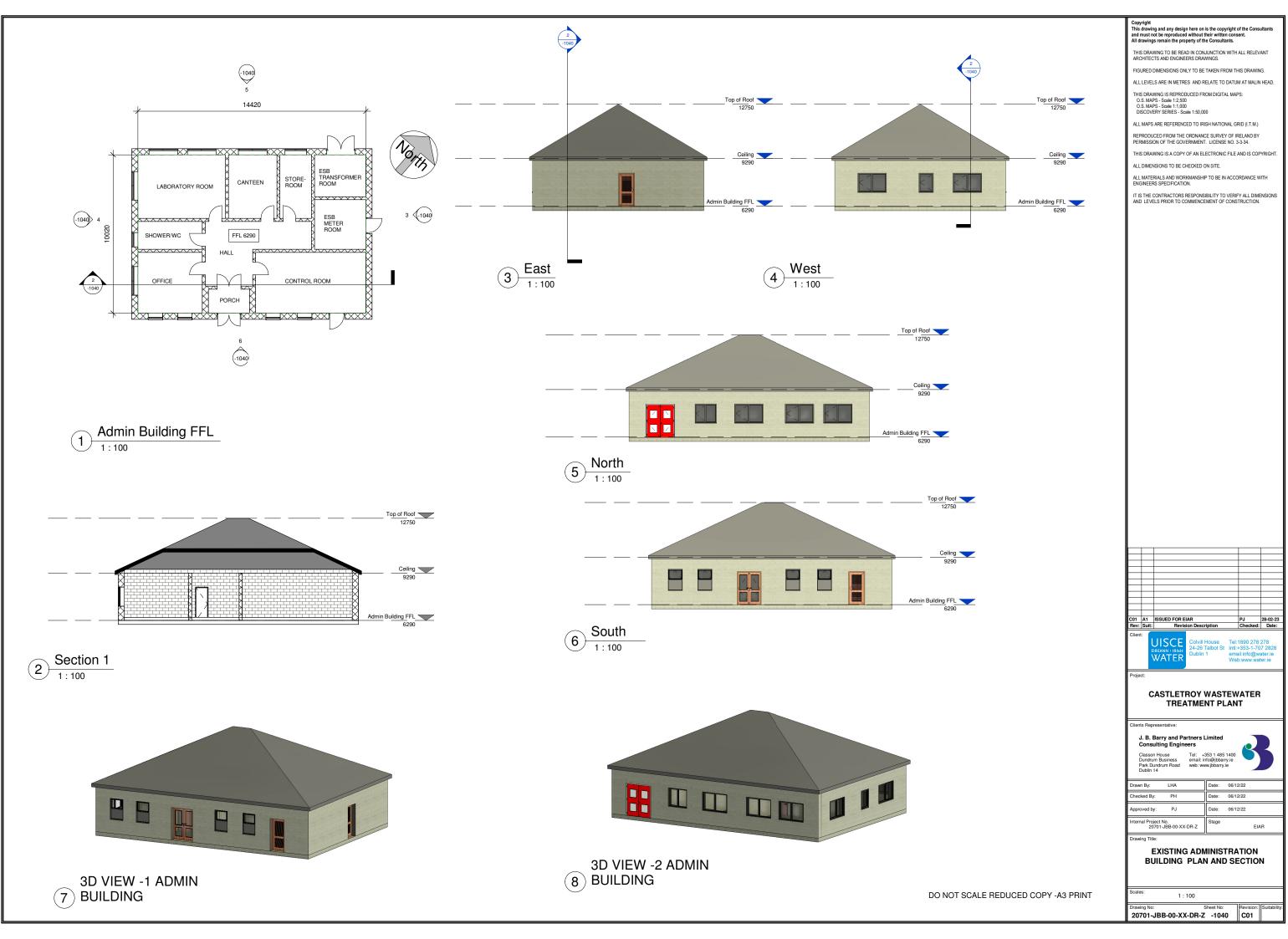
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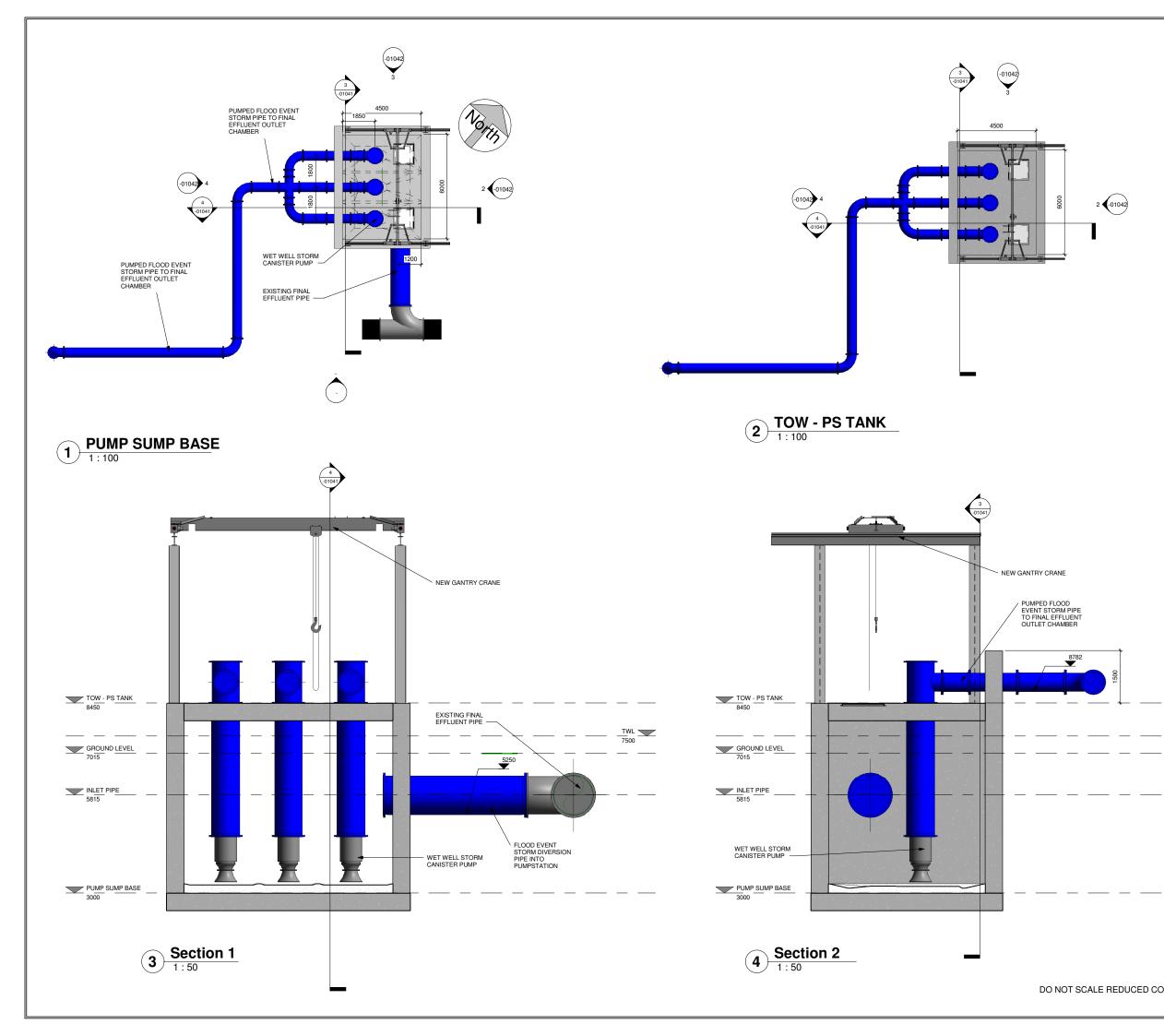




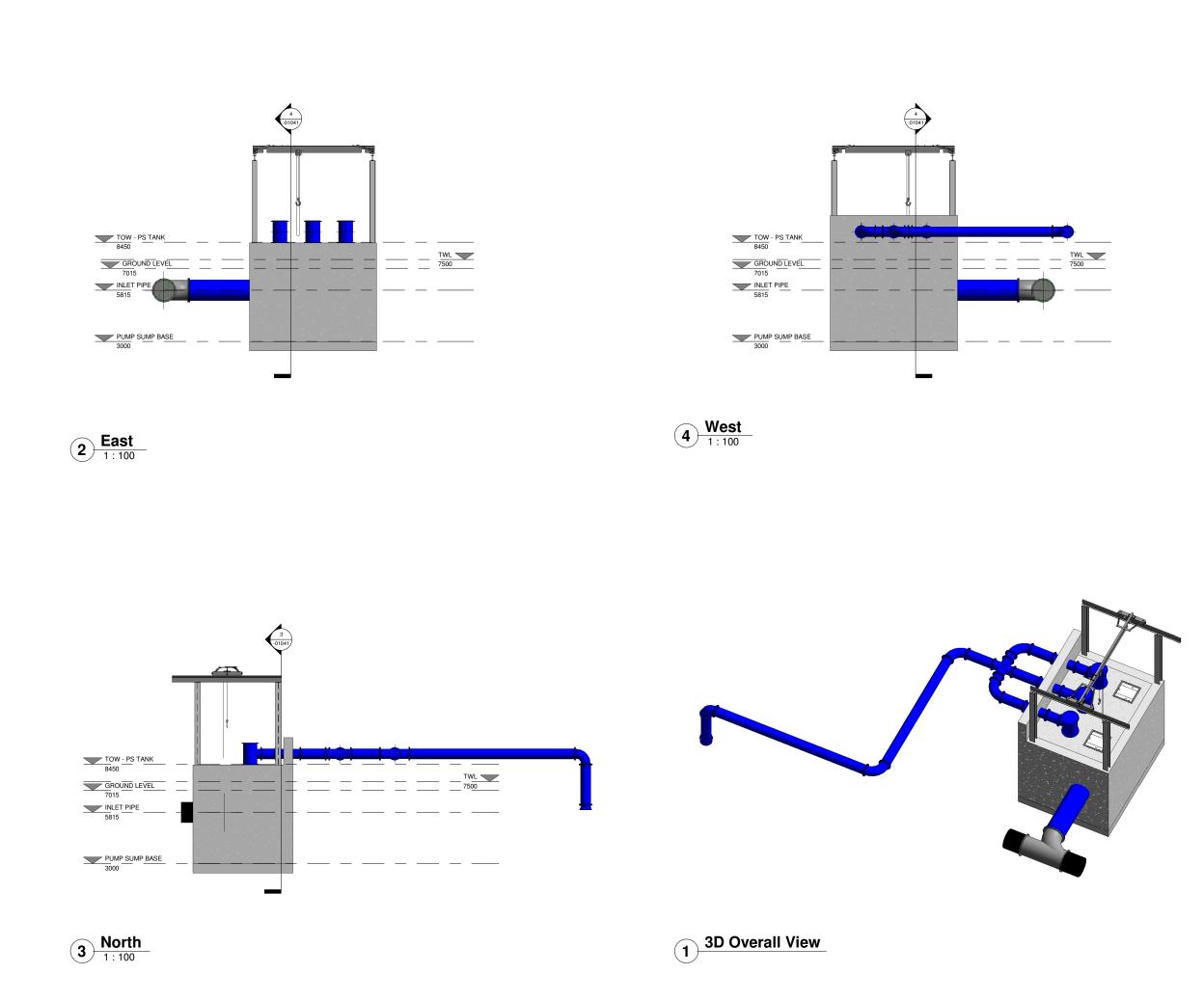
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	Dundrum Business email: in Park Dundrum Road web: ww	853 1 485 1400 fo@jbbarry.ie w.jbbarry.ie
	Dublin 14	
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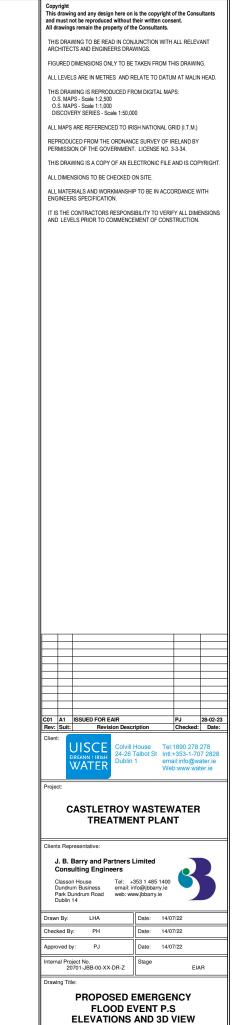
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	Drawn By: LHA	Date: 06/12/22
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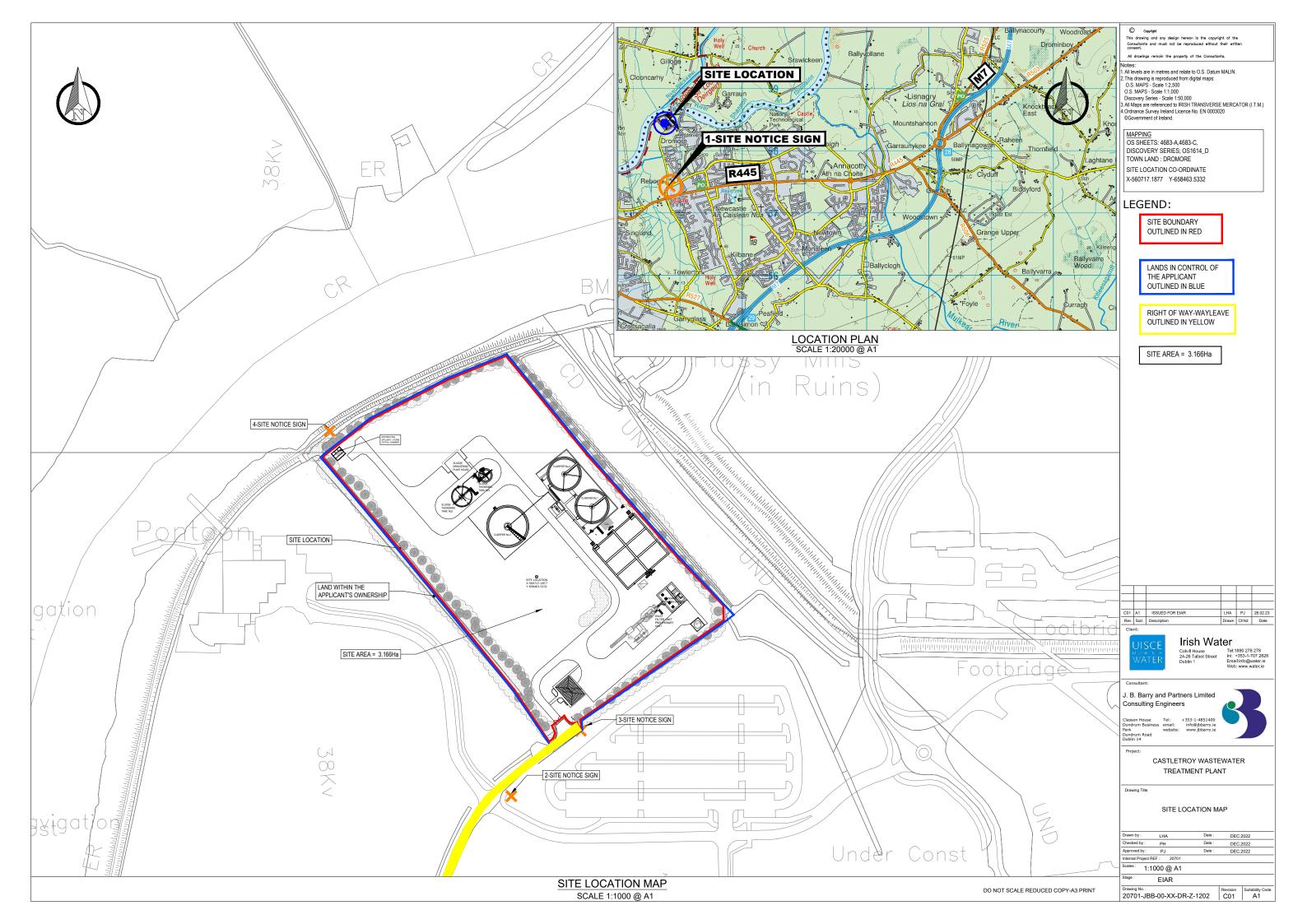




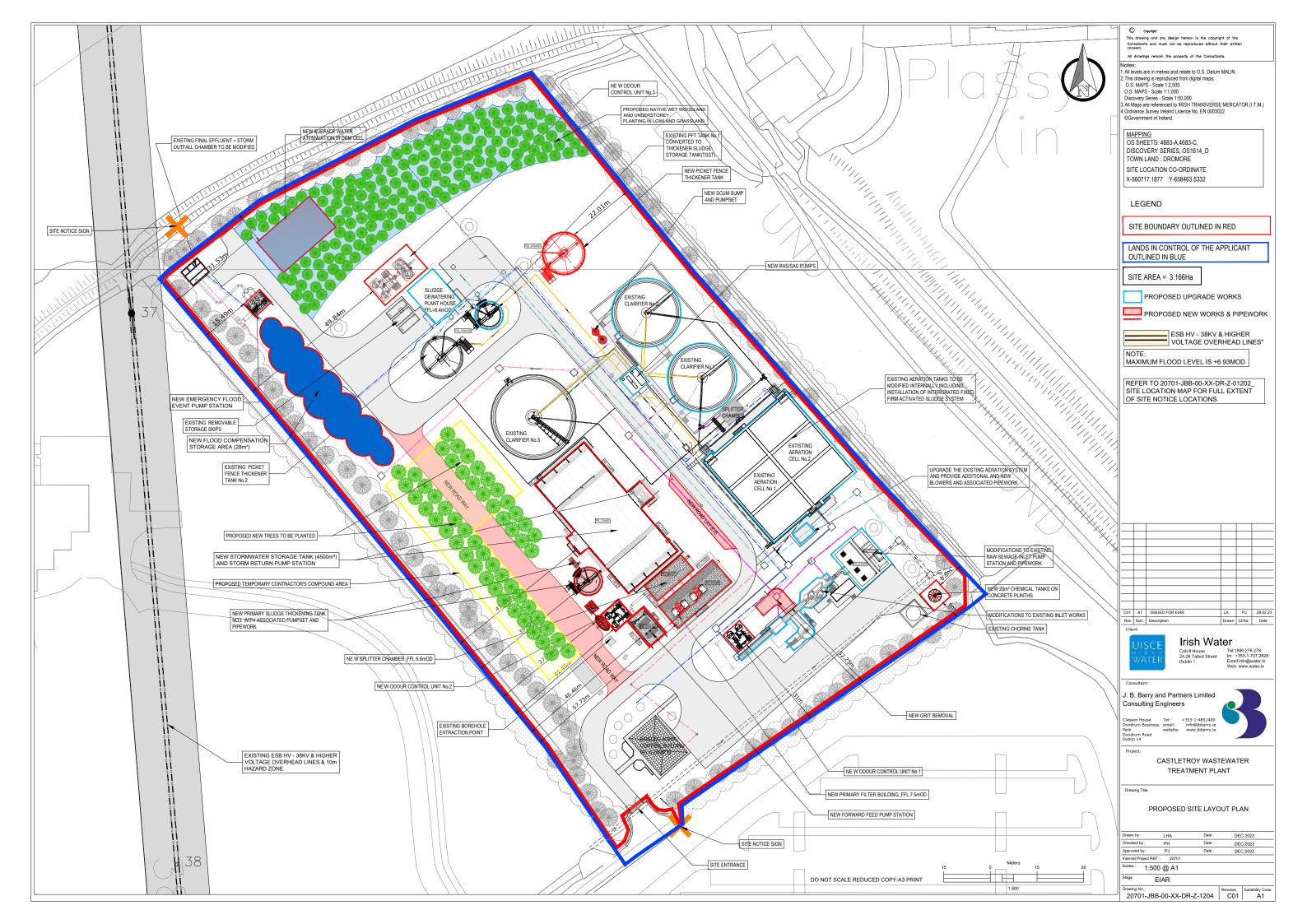
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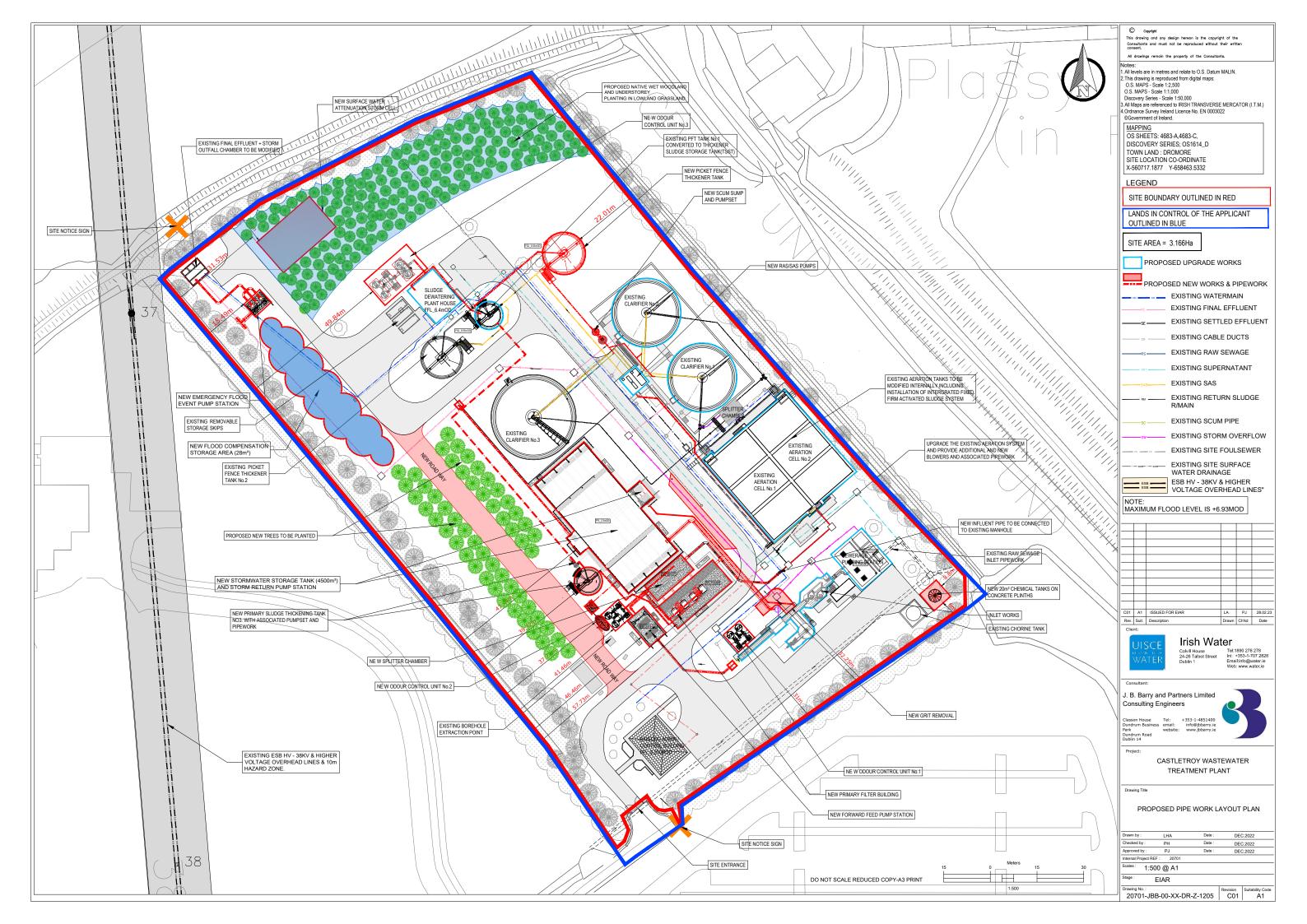
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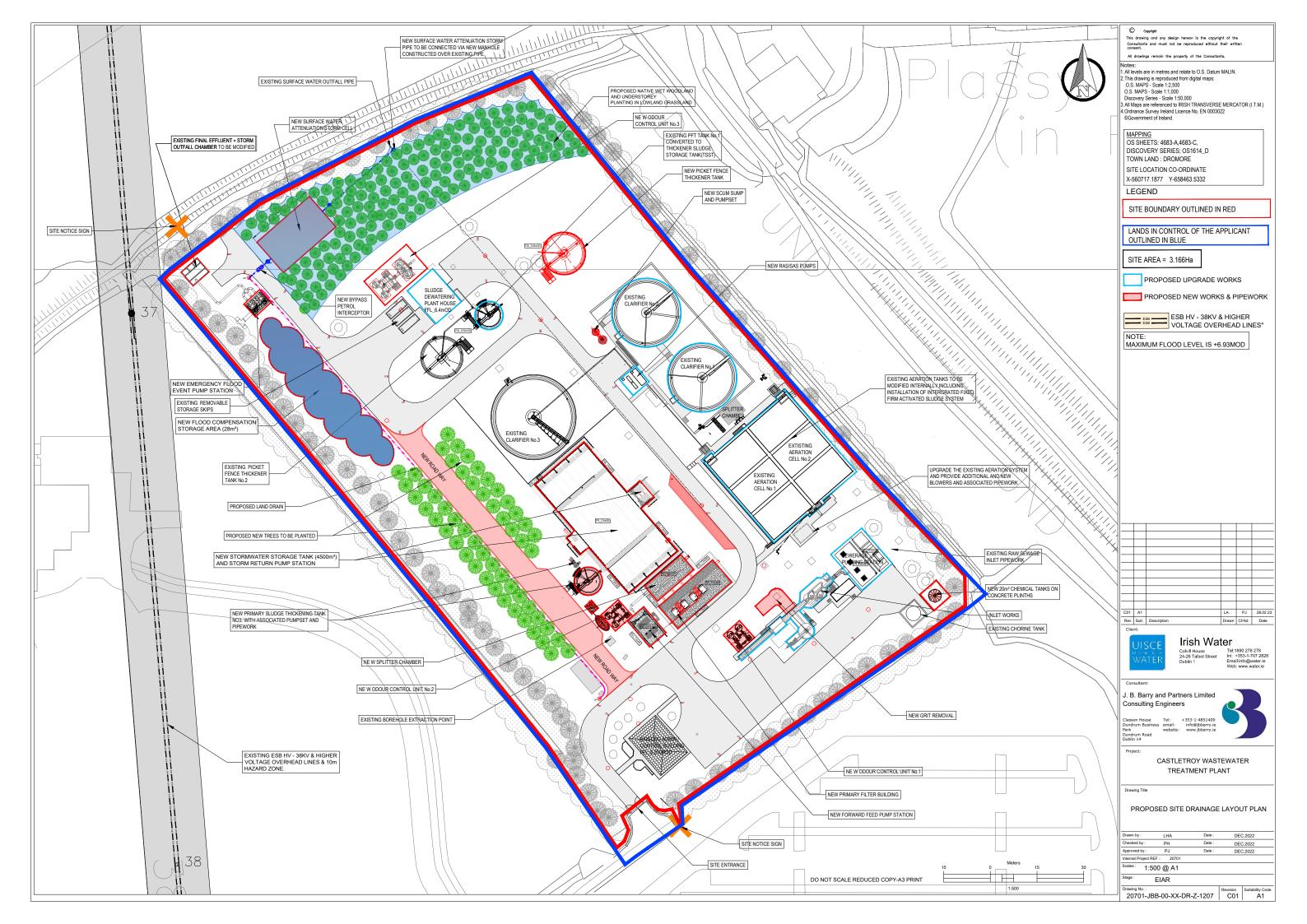
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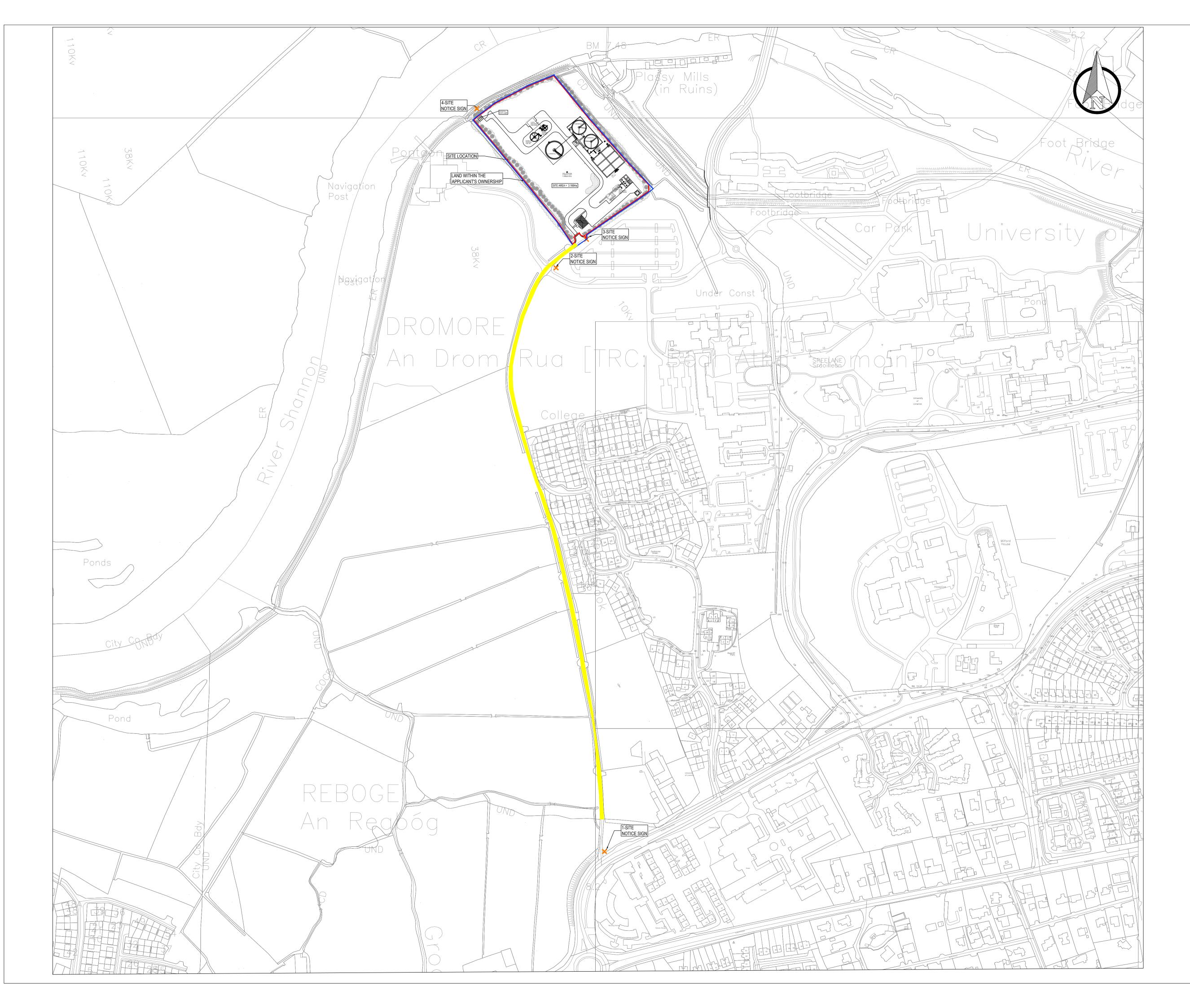












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Classon House Tel: +35 Dundrum Business email: in	3-1-4851400 fo@jbbarry.ie ww.jbbarry.ie				
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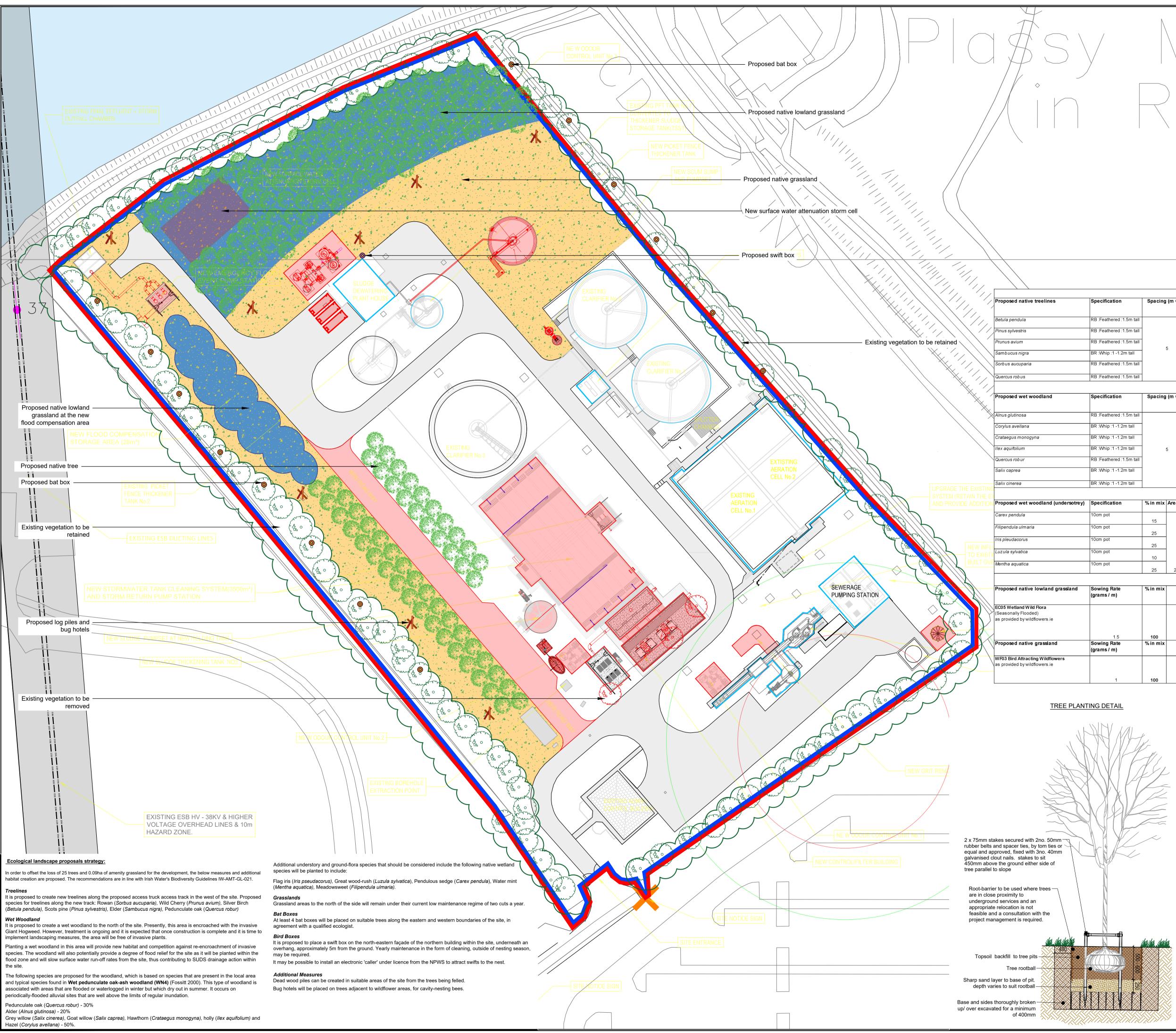
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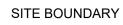
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LEGEND



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EXISTING TREES TO BE RETAINED

EXISTING TREES TO BE REMOVED

EXISTING VEGETATION TO BE RETAINED AROUND THE SITE BOUNDARY

PROPOSED NATIVE TREE AT THE TREELINES AND WET WOODLAND (53 No.)

PROPOSED NATIVE WET WOODLAND AND UNDERSTOREY PLANTING IN LOWLAND GRASSLAND (2,833 sq.m.) PROPOSED NATIVE LOWLAND GRASSLAND AT NEW FLOOD COMPENSATION AND NORTHERN AREA (3,521 sq.m.)

PROPOSED NATIVE GRASSLAND (4,826 sq.m.)

PROPOSED SWIFT BOX - INDICATIVE LOCATION

PROPOSED BAT BOX - INDICATIVE LOCATION

PROPOSED LOG PILES AND BUG HOTELS

B Comments Total no. The status of the s			ום							
B Feathered 15m tail B 10 To be planted ingroup of three of hese are precises any to kept aw precises any tokept aw precises any to kept aw precises any tokept aw pre	pecification	Spacing				Comments	Establishment	Management year 1.5 -5		
Image Image <th< td=""><td>peomoution</td><td>opaoniy</td><td></td><td>Total</td><td></td><td></td><td>Maintenance Period 18</td><td>management year 1.0 -0</td></th<>	peomoution	opaoniy		Total			Maintenance Period 18	management year 1.0 -0		
B Feathered 1.5m Iail 3 Whip 1:1 2m Iail 5 Feathered 1.5m Iail 6 Feathered 1.5m Iail 7 Real-readed 1.5m	B :Feathered :1.5m tall			10			, , , , , ,			
B Feathered 1.5m tail	B :Feathered :1.5m tall			10			Monthly tasks:	necessary to be kept away		
3 Min:: 1-1 2m tail 4 Mase weaking during day weaking day weakin	B :Feathered :1.5m tall		5	10		1	checked, rejected and removed	-Tree ties and staking to be		
B - Reathered -1.5m tail Spacing (m CTR) Total no. Comments Establishment Management year 1.6 Maintenance Period Banomitik Management year 1.6 B - Feathered -1.5m tail 5 22 Total no. Comments Establishment Management year 1.6 Maintenance Period Banomitik Every 3 years: 	R :Whip :1 -1.2m tall	5		4		-	-Water weekly during dry	management period, if the		
B-Reathered :1.5m tail Total Spacing (m CTR) Total no. Feathered :1.5m tail R-mathered :	B :Feathered ∶1.5m tall			10			-Weed removal at base of tree			
Spacing (m CTR) Total no. Comments Establishment Maintenance Period 18 months Management year 1.f. Maintenance Period 18 months B Feathered 1.5 m tail 3 Whip 1-1.2 m tail 5 Total: 22 To be planted in groups species Defective (ded or dyng) plants be repared after year 1. Monthy tasks: -Trees takes flus to be decked, rejected and removes weather weather weather weather weather -Fertilise at base of tree Total sharp t removes at starp t removes at starp t removes at starp t weather weather weather weather -Fertilise at base of tree Management year 1. Monthy tasks: -Trees takes flus to be removes at starp t removes at starp t removes at starp t removes at starp t weather -Veel removal at loss of tree Total starp removes at starp t removes	B :Feathered :1.5m tall			10						
B Feathered 1.5 m tail 22 To be planted in groups of three of the same species Deficition (mean one Period 18 months) Even 3 years (Trees to be pruned and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg year and reg year 1, 1) (Trees to prune reg			Total:	54						
2. Whip 1-12m tail 12 of three of the same species b be repaced after year 1. Monthly tasks:	pecification			Total	no.	Comments	Maintenance Period 18	Management year 1.5 -5		
3. Whip 1-1.2m tail 12 Monthly tasks Monthly tasks Increases ary to be kept average of the top and the to	B :Feathered :1.5m tall			22						
3: Whip: 1-1.2m tail 5 12	R :Whip :1 -1.2m tall			12			Monthlytasks	necessary to be kept away		
3: Whip: 1:1.2m tail 5 12	R :Whip :1 -1.2m tall			hip :1 -1.2m tall		12			checked, rejected and removed	-Tree ties and staking to be
3 Feathered :1.5m tail 34 -Wead removal at base of tree -Bestablishment 3.4 11	R :Whip :1 -1.2m tall			12		-	-Water weekly during dry weather -Weed removal at base of tree	management period, if the tree are properly		
11 11 3:Whip 1-1.2.m tail 11 11 11 125 25 100 3521 528 15 100 3521 528 15 100 3521 528	B :Feathered :1.5m tall			34		-				
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